JOHNSTONE SUPPLY

The Right Solutions For All Your Needs

2024 FALL HVACR CATALOG

219



OVER 35,000 PRODUCTS

refrigeration

facilities

commercial

residential

Coleman HEATING AND AIR CONDITIONING

Commercial Packaged Rooftop Units

Point Choice



Small Apex



Point Pro



Point Core



Greater Control for Better Efficiency

- 3-20 ton capacity range
- Field convertible duct connections
- On-site flexibility with less inventory
- AC and packaged heat pump models
- Simplified installation and energy-efficient

ADAPT ABILITY

Ultra Flexible Tankless Technology.
Less Inventory. Fewer Trips.
More Savings.

Introducing ADAPT™ Tankless

ADAPT... GO CONFIGURE



A.O. Smith

JohnstoneSupply.com/AOSmith

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MOTORS & MOTOR ACCESSORIES

VENTILATION & INDOOR AIR QUALITY

AC HEATING & CONTROLS

HYDRONICS

HVAC EQUIPMENT

INSTALLATION & MAINTENANCE

REFRIGERATION & AIR CONDITIONING

TEST INSTRUMENTS & TOOLS

For decades, Johnstone Supply has been your one-stop shop for leading brands of HVACR equipment, parts and supplies. But these days, your business success depends on more than a great range of products. Today's contractors need to stay current on product and technology changes, in addition to programs that make it easier to do business.

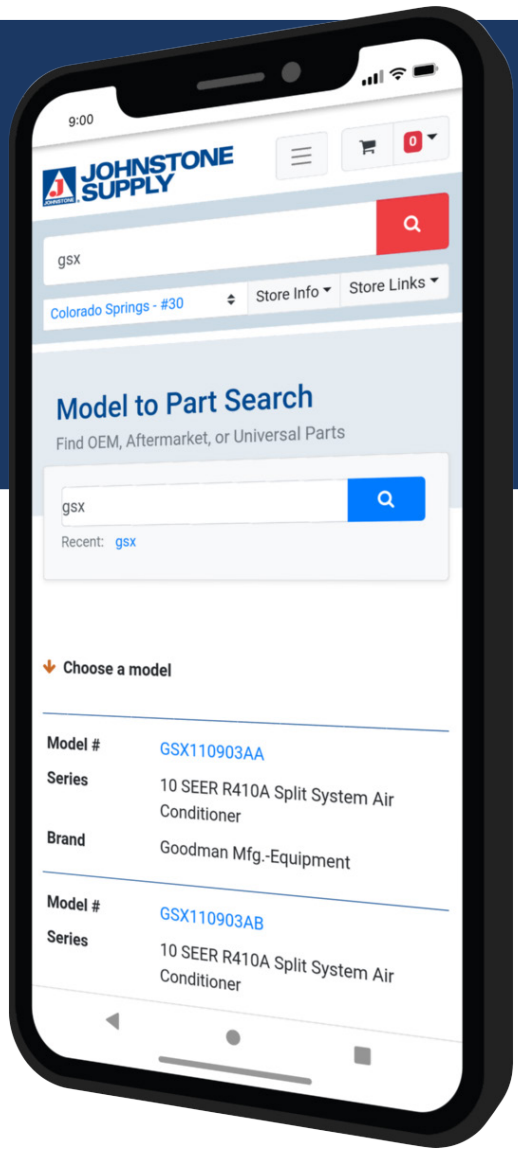
We deliver solutions:

- A website and mobile app that offer our customers real-time pricing and availability
- A state-of-the-art cross-reference utility tool equipped with refrigeration sizing tool that can locate virtually any HVACR product, including obsolete items
- Equipment Selector Tools: System Selector and Mini Split Selector allow you to easily identify and order AHRI Certified HVAC Systems that meet rating requirements and the application needs and identify rebates
- In-person & online training to educate you on products, trends, changes, and certifications
- Access to 2 million special order parts

MAKING IT EASY FOR THE CONTRACTOR

THAT'S THE POWER OF JOHNSTONE™

Save Time & Money. Buy Online



Johnstone Mobile App

Now Featuring Model to Part Tool:

- **HVAC Equipment Model Numbers** – Search and get a list of over 50 thousand critical OEM or Aftermarket / Universal parts
- **System & Mini-Split Selectors** – Match over 800,000 Current Certified Systems
- **Customized Pricing** – Affordable Pricing and Exclusive Online Deals
- **Available 24/7** – Logged in Users see Real-time Inventory, Pricing and Availability Filtered by Brand
- **Barcode Scanning** – Scan the Barcode and Save to Product List

Order Any Part from Any Device, Anywhere, Anytime

- Searching and browsing are now easier than ever with auto-fill search, ranked results and local options
- Gain more productive hours in your week by speeding things up with PartStock™ inventory replenishment and DirectConnect automated order entry

Download the Johnstone Mobile App today!

Download on the App Store

GET IT ON Google Play

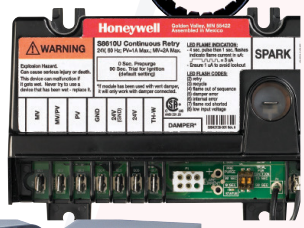
Repair, Replace Upgrade

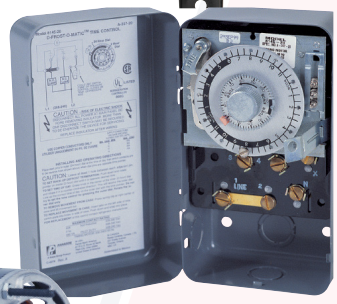


Johnstone excels at stocking industry-leading repair, replacement parts and equipment so that you have the right product right when you need it for residential, commercial, refrigeration or facilities maintenance. The JohnstoneSupply.com online catalog contains 70,000 stocked products, and most locations across the country offer a unique local selection.

With six distribution centers in our supply chain network, you can be sure our 450+ stores either have your product available in stock same day or can receive it overnight. Our manufacturer partners offer us the availability of their entire line — whether we stock it or not — for those times when your need is critical. That amounts to over a million special order parts available to you.

We stock hundreds of OEM parts for nearly every major brand so you don't have to wait. Plus, using our proprietary cross-reference utility, we can find hard-to-locate and even obsolete parts and recommend quality replacements for repairs on older or more obscure equipment.











YOUR ONE STOP FOR ALL YOUR OEM REPLACEMENT PARTS

THAT'S THE POWER OF JOHNSTONE™

JOHNSTONE UNIVERSITY



LEARNING THAT EARNS

Johnstone University is your source for HVACR training online, anytime and anywhere. Gain the knowledge and skills to help drive successful business results with JohnstoneUniversity.com

Online you will learn how to:

- Keep technical skills current
- Stay safe and productive
- Increase revenue per job
- Maintain NATE certification
- Remain compliant with laws
- Know industry regulations and standards
- Build your dream team with the Technician Training Plan
- Hundreds of other free product courses

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JohnstoneUniversity.com

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THE POWER OF JOHNSTONE™

TRAINING • INVENTORY • SUPPORT

Whether you visit a location or shop online, we handle your purchase with speed and respect for your needs. Our friendly experts are here to help you locate replacement parts or special order products.

We are your Supportive Business Ally

- We leverage technology and content to help your needs
- We have a network of distribution facilities that provide rapid order fulfillment of a wide variety of products

We know that your success comes when you can get back on the road quickly.

You can count on Johnstone to be your first and best supplier, and to offer a wide array of solutions. Because service isn't just being fast at the counter, it's offering what you need before you even need it. We are your partner in success — here to make it easy for you to do business.





2024 PRODUCT SHOWCASE

As the market grows, so do we.
Bosch's full line of products now available at your local Johnstone Supply

BOSCH
Invented for life



Delivering exceptional home comfort through quality engineering, quiet performance, and premium efficiency.

RESIDENTIAL | COMMERCIAL | EQUIPMENT | SUPPLIES | PARTS | FACILITIES | REFRIGERATION

AIRSTAGE

FUJITSU

All heat pumps are NOT created equal

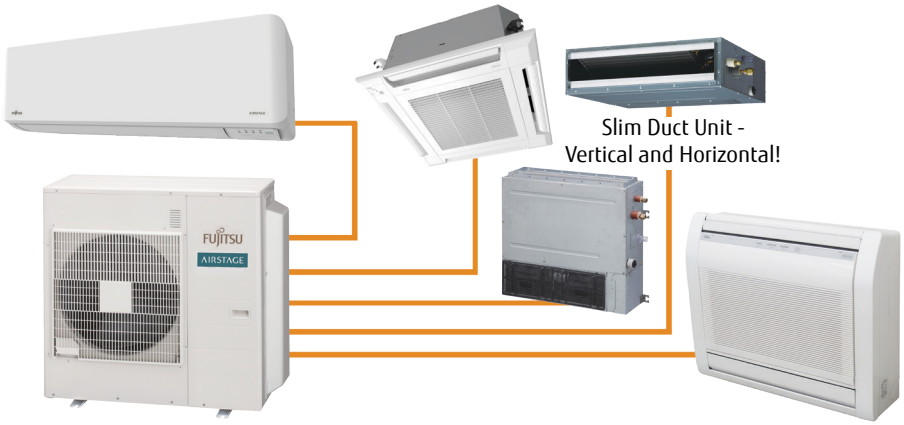
Look for the Fujitsu AIRSTAGE Advantage!

- "Leak Proof" HCR Copper
- Outdoor units in 18, 24, 36k BTU/h with service valves to isolate each zone
- Operate one or all indoor units
- 5 indoor unit styles from as low as 7,000 and high as 24,000 BTU/h
- Certain combinations are Energy Star Qualified
- Hundreds of combinations - mix and match flexibility
- DC Twin Rotary Compressor

XLTH Xtra Low Temp Heating:

- XLTH heating rated down to -15°F (-26°C) outdoor temps - No cut-off temperature
- Built-in STAINLESS STEEL base pan heater
- Enhanced soy-based wiring harness
- XLTH: Connect 14,000 to 39,000 BTU/h
- Metal fan guard

Whole Home Comfort - Multi-Zone Mini-Split Systems



Slim Duct Unit - Vertical and Horizontal!

FUJITSU GENERAL AMERICA, INC

For more information, please visit JohnstoneSupply.com/Fujitsu

First Co.

FIRST-PAK HP

Single Package Vertical Heat Pump
With Electric Heat (FPH)

1.0 - 2.5 tons

3 -10 kW electric heat

11.9 SEER2 & 6.3 HSPF2

Operates down to 5°F ambient temperature



AHRI CERTIFIED

JohnstoneSupply.com/FirstCo

Proudly Made in the USA

AFUE up to 96%

Highest-Efficiency Furnaces

MAYTAG





Designed Exclusively for Manufactured Homes

- Fits standard manufactured home furnace footprint.

We have a Coil to complete your central air system

- Hundreds of AHRI-rated matches with many other condenser models and brands.



STYLECREST

Revolv

OWN THE ROOM. EVERY ROOM.

With Energy-Efficient Heat Pumps from Friedrich



FRIEDRICH

SAN ANTONIO, TEXAS | SINCE 1883



10-26 KW AUTOMATIC STANDBY GENERATORS

Home, Family, and Assets, Remain Protected During a Power Outage.

- PrecisionPower Electrical Technology
- External Main Circuit Breaker
- 5-year Comprehensive Warranty

Honeywell

Coleman

HEATING AND
AIR CONDITIONING

READY FOR TODAY
READY FOR TOMORROW



Changes Are Coming!

Are you prepared for low GWP refrigerants? Scan the QR code to shop Coleman's NextGen A2L equipment out now!



Grow your Business

Johnstone Supply Coleman Dealer Program

Engage with Customers

- Residential Financing by Synchrony
- Promotional Extended Warranties
- Contractor Incentives & Consumer Rebates
- Homeowner Letters by Proforma

Connect with Prospects

- Home Services Scheduling by Dispatch
- Dealer Locator
- Marketing Navigator

Achieve Business Results

- Ducted Systems Academy
- Preferred Vendor Network
- Customized programs to support each dealer's individual needs

Ask your Johnstone Supply counter staff about the Coleman Dealer Program today!

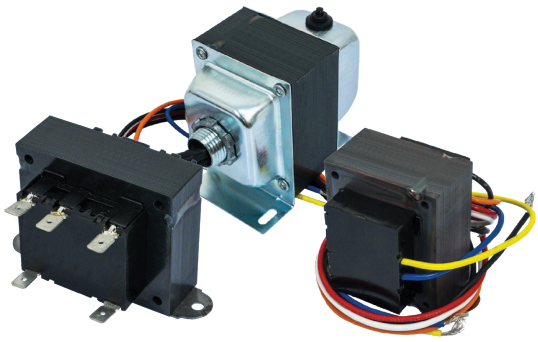
DIVERSITECH®

TITAN HD®



MOTOR RUN CAPACITORS
- ROUND & OVAL -

- Single & Dual Ratings
- Round & Oval Sizes
- Voltage: 370 & 440/370
- HEAVY DUTY
- 60,000 HOURS



CLASS II TRANSFORMERS
- FOOT MOUNT & MULTI-MOUNT -

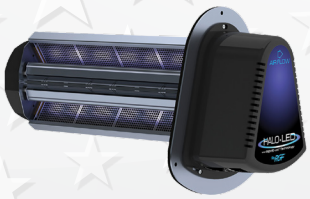
- 50/60Hz Operation
- Available in ratings up to 100VA
- Multiple connection options available (Wire Leads, 1/4" spades, or screw terminals)

MADE IN THE USA

IAQ Products You Can Count On

Proudly designed, engineered, and manufactured in the USA

Whole Home In-Duct Air Purifiers



REME HALO LED™

L82-571

Mfg. #REME-LED

LED technology reduces energy usage

Zero ozone creation and no mercury

Reduces airborne and surface bacteria, viruses, odors, and mold



REME HALO®

L82-570

Mfg. #REME-H

Utilizes RGF's patented REME® Cell technology.

UV-C light creates low level, airborne hydrogen peroxide throughout the air-conditioned space reducing airborne and surface bacteria, viruses, odors, and mold.

ecobee for Pro

ecobee smart thermostats & sensors boast the latest innovations, enabling professionals and homeowners to reimagine how they can benefit from smart technology.



L51-232

Mfg #EB-STATE6P-01

Smart Thermostat **PREMIUM**

- Includes remote sensor
- Monitors air quality, air pressure, humidity, and occupancy



L51-233

Mfg #EB-STATE6LP-01

Smart Thermostat **ENHANCED**

- 7-day programmable
- Humidity sensing



L49-427

Mfg #EB-STATe3LTP-02

Lite Pro Smart Wi-Fi **THERMOSTAT**

- Home IQ™ energy report
- Live weather, free software upgrades and mobile app



G38-522

Mfg #EB-CAMSDB-01

Smart Doorbell **CAMERA** (wired)

- Connects via phone, tablet, or ecobee Premium Thermostat
- Hardwired for an expansive 175° vertical field of view.
- Hear doorbell chimes through any speaker-enabled ecobee device.

ENERGY STAR

Premium and Enhanced Thermostats include a Power Extender Kit for installations without a C wire.

720 Series
Whole-House Fan Powered Humidifiers

AprilAire

Industry Leading Performance and Water Savings

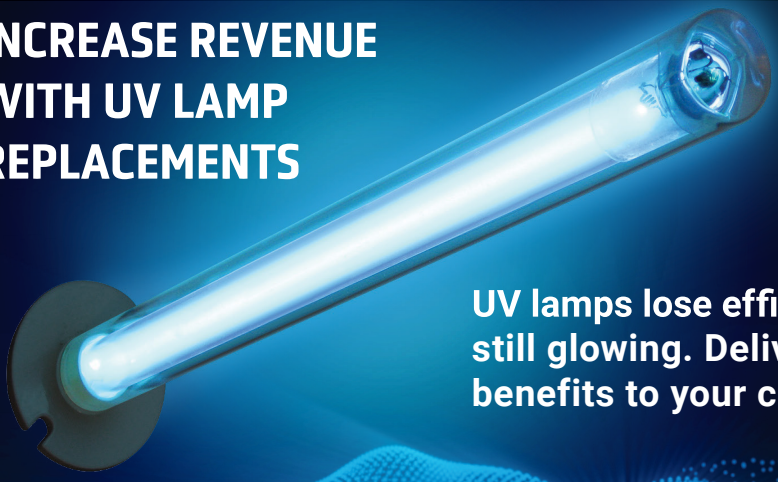


- 2X more efficient
- Install fan on left or right side
- High/low settings for noise reduction
- 21 GPD - highest capacity in the industry*
- One-piece HydroCore™ for easy maintenance

Order #	Mfg#	Description	Volts	Output
B88-145	720A	Automatic	120V	21
B88-146	720M	Manual	120V	21

*Compared to leading evaporative humidifier claimed capacities

INCREASE REVENUE WITH UV LAMP REPLACEMENTS



FRESH-AIRE UV
GENUINE LAMPS

UV lamps lose efficiency over time even if they are still glowing. Deliver ongoing Indoor Air Quality benefits to your customers by replacing lamps.

UVC LAMPS

Order #	Mfg #	Lamp Life	Pigtail Connector	FAUV System
L82-455	TUVL-315	3 Years	No	APCO-X
L81-109	TUVL-215P	2 Years	Yes	Blue-Tube UV/APCO
L81-108	TUVL-115P	2 Years	Yes	Blue-Tube UV/APCO

DIVERSITECH®

Nu-Calgon

SCORPION™

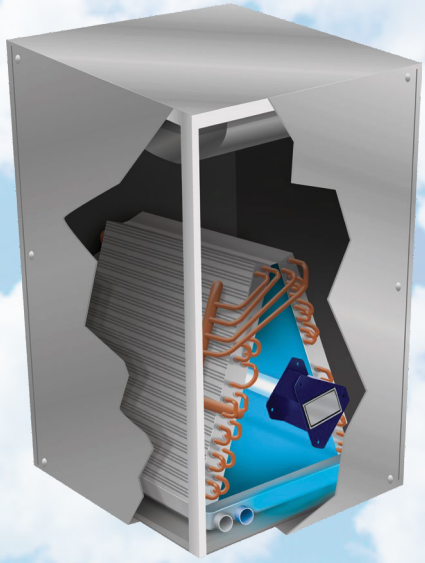
OVER 5X LIFE

UVC-LED Disinfecting System

UVC-LED Disinfecting System

- Kills mold, bacteria & viruses
- Up to 5X the life compared to standard UV bulbs
- Shatter proof LED's
- Toggle switch for two-run modes
- Meets UL 2998 zero ozone emission certification





P/N	MFG P/N	Description	
L82-804	4910-10	Scorpion LX15	24 VAC
L82-805	4910-11	Scorpion HX15	110-277 VAC

ICM CONTROLS

Discover the Best Line Voltage Monitoring Relays from ICM Controls

High-quality and cost-effective industrial voltage monitors. Designed for single-phase and three-phase systems.



B12-400
Mfg # ICM450A

Three-Phase Line Voltage Monitor

- Programmable Line Voltage Monitor
- True RMS Voltage Monitoring
- Backlit Display
- Soft Button Controls
- Common 1/4" Quick Connect Terminals
- English and Spanish menu options

Proudly Made in the USA

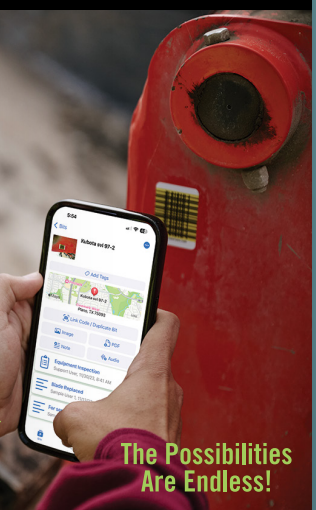
BR CODE™

SCANNABLE LABELS

POWERED BY THE BITRIP® APP

DIGITAL INFORMATION AT YOUR FINGERTIPS

- PHOTOS
- TALK-TO-TEXT
- GPS LOCATION DATA
- DIGITAL INSPECTION FORMS*
- INSTANT DATA RECOVERY
- SPANISH TRANSLATIONS
- INTEGRATES WITH SOFTWARE PROGRAMS



The Possibilities Are Endless!

*Form templates are available with Desktop Pro subscription.

BITRIP

DUCK PRO by Shurtape

JB JUST BETTER

A2L COMPATIBLE

PROUDLY MADE IN THE USA.

EXPERIENCE THE POWER OF OUR AMERICAN-MADE PUMPS.

PLATINUM® BEAST 12 CFM VACUUM PUMP
H93-227 (Mfg. #DV-340N)



PLATINUM® PRO 8.4 CFM PROFESSIONAL GRADE VACUUM PUMP
H93-229 (Mfg. #DV-240DC)



ELIMINATOR® DC 6 CFM Vacuum Pump
H93-228 (Mfg. #DV-6EDC)



ELIMINATOR® Spark-Proof 6 CFM Vacuum Pump
H93-219 (Mfg. #DV-6E-250SP)



JUST BETTER

SERVICING A2L REFRIGERANTS
ARE YOU READY?

A2L COMPATIBLE



A2L Series 41 Manifold with Hoses
H28-911 Mfg. #42036



A2L Adapter 45° Reverse LH Thread
H28-981 Mfg. #19180



PLUS II™ A2L Charging Hose
B22-808 Mfg. #30260

YELLOW JACKET®

NEW & INNOVATIVE TOOLS
TO GET THE JOB DONE!

HVAC\R

KLEIN TOOLS EST. 1857



H29-086
KNECT™ Impact-Rated Pass Through Socket Set, 32-Piece



H28-878
Flip Impact Socket Set, 7-Piece



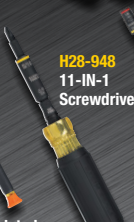
H28-942
Plier Wrench, 10-Inch



H28-946
Rechargeable Pro Thermal Imager with WiFi



H28-944
2-in-1 Insulated Electronics Screwdriver, Phillips, Slotted Bits



H28-948
11-IN-1 Screwdriver



H28-986
7-in-1 Impact Rated Flip Socket with Handle

RSH™ SERIES

Surge protection and voltage range monitoring devices

RECTORSEAL
A CSW Industrials Company



G38-503
RSH-50
VRMDC KIT
Combines the VRM60A, RSH-50, & 60A disconnect breaker in a NEMA 3R enclosure, for an all-in-one equipment solution.



G38-337
RSH DB
Disconnect Box with a pre-installed RSH-50 Surge Protector.



G38-076
RSH-50
Surge Protective Device for Single-Phase System 120/240 VAC.

- Thermally fused MOVs
- Unsurpassed industry product warranty
- Gas Discharge Tubes (GDT)
- Voltage Range Monitoring

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PRODUCTS DESIGNED BY HVAC TECHS WHO GET IT

MAGNATEMP TELESCOPIC PROBE



H28-983
Mfg # MTEMP

The telescopic temperature probe allows the technician to check air temperature in most situations, inside the ceiling duct without needing to use a ladder. The magnet and hook allow you to leave it in place so you can leave it while doing other tasks.

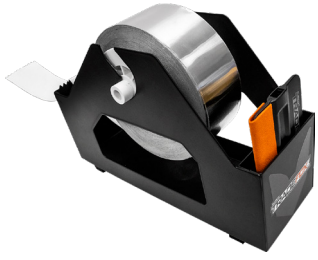
NITROGEN PURGE BOOT



H28-984
Mfg # TFXNPB

The Nitrogen Purge Boot was designed to assist the technician in the purging & brazing process. O-rings fit and seal over various sizes of tubing creating a 'hands-free' and hassle free solution between your nitrogen regulator and the refrigerant line.

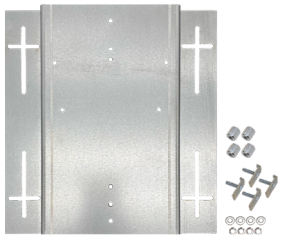
UNIVERSAL TAPE DISPENSER



G81-162
Mfg # TFXUTD

Keep your tape clean and within reach on the job site with this convenient magnetic tape holder.

DISCONNECT MOUNTING PLATE



G38-513
Mfg # TFXDMP

A universal way to secure the disconnect to the unit, without blocking access to the electrical panel.



The NEW ZONELINE™



Cutting-Edge Inverter Technology

Meet GE Appliances' first PTAC to use inverter technology and a variable-speed compressor that gives guests more comfort, more often.

Whisper-Quiet Operation

A large cross-flow blower, a variable speed compressor, and two EC motors work together to minimize noise and maximize comfort.

Cost-Saving Performance

A variable-speed compressor drastically reduces energy-intense startup cycles, which can help save money on electricity and utility costs.

Efficient Cold Weather Heat Pump

The variable speed compressor and advanced defrost capability allow for the best-in-class heat pump operation down to 0°F.

GE APPLIANCES
a Haier company

AIR&WATER SOLUTIONS

To learn more about GE Appliances Air & Water Solutions, visit:
JohnstoneSupply.com/GE

Universal Truck Stock Solutions

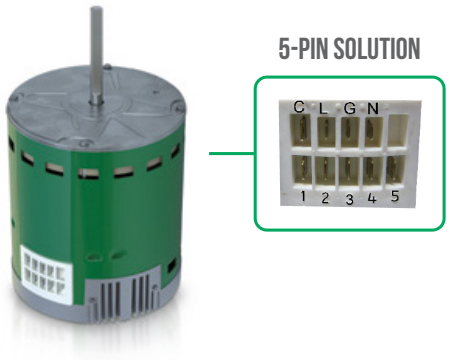
RegalRexnord

Save Time and Money

Evergreen® EM

Designed to replace OEM constant torque ECMs with 24 VAC speed taps

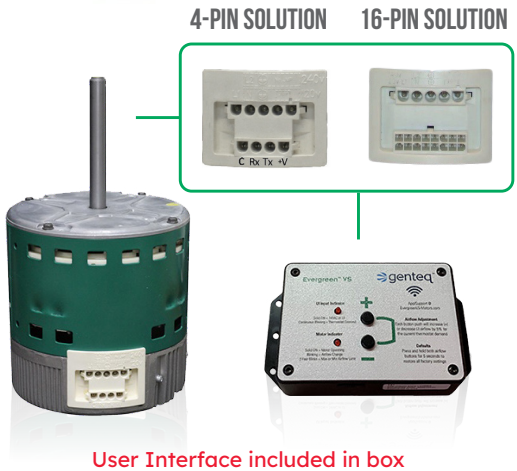
Order #	Mfg. #	HP	Volts
S83-698	6203X	1/3	208-230
S83-699	6205X	1/2	208-230



Evergreen® VS

An easy plug-in-play replacement for 16-pin and 4-pin variable ECM speed motors

Order #	Mfg. #	HP	Volts
S83-694	6503VUI	1/3	120/240
S83-695	6505VUI	1/2	120/240



User Interface included in box

Commercial Motors



FLEX-IN-1™ General Purpose Motors

Ready to configure into any mounting position

Decrease Downtime, Minimize Costs

The only NEMA® rolled steel motor design with a patent-pending multi-mount, repositionable bolt-on base, and C-Face that allows for rapid reconfiguration vs. a traditional general-purpose motor.

Order #	Mfg. #	Description	Frame	Volts	Efficiency
S83-669	FX34BK003	3/4HP 3PH	56HC	460 V	81%



Belt Drive Motors
48 Frame Split-Phase 27
48 Frame Split-Phase & Capacitor Start 28
56 Frame Split-Phase 27-28
56 Frame Split-Phase & Capacitor Start 28

Condenser Fan Motors
42 Frame Permanent Split Capacitor 29
48 Frame ECM Motors 30
48 Frame Permanent Split Capacitor 31-40
48 Frame PSC & Three-Phase 41
56 Frame Permanent Split Capacitor 40-41
56 Frame PSC & Three-Phase 42-43
56 Frame Three-Phase 43-44

Definite Purpose Motors
3-3/8" OEM Replacement Draft Inducers 49-51,53-61
Attic Fan Motors 62
Bath Vent & Range Hood Motors 62-64
Beverage/Ice Machine Motors 64
Carbonator Pump Motors 64-65
Evaporative Cooler Motors 65-66
Farm Duty Motors 66
Hot Water Circulating Pump Motors 67
Mobile Home & Travel Trailer Motors 67
OEM Special Replacement Motors 68-98
Oil Burner Motors 98-99
Refrigeration ECM Motors 100-104
Refrigeration Evaporator Fan Motors 104-105
Unit Bearing Fan Motors 105-109

Direct Drive Motors
3-3/8" Diameter Shaded Pole 7-8
3-3/8" Diameter Shaded Pole & PSC 4-6
4-7/16" and 5" Diameter Shaded Pole & PSC 9
4-7/16" Diameter Shaded Pole 8
48 Frame ECM Motors 13-19
48 Frame Permanent Split Capacitor 20-26
5" Diameter Shaded Pole & PSC 9-13

Double Shaft Motors
3-3/8" Diameter Shaded Pole & PSC 45
4-7/16" Diameter Shaded Pole & PSC 46
48 Frame Permanent Split Capacitor 47-48
5" Diameter Shaded Pole & PSC 46-47

General Purpose Motors
48 Frame Capacitor Start Dripproof 111-112
48 Frame Split-Phase Dripproof 109-110
48 Frame Three-Phase 120
56 Frame C-Face 118-120
56 Frame Capacitor Start Dripproof 113-115
56 Frame Capacitor Start TEFC 115-116
56 Frame Single-Phase 120
56 Frame Split-Phase Dripproof 110-111
56 Frame Three-Phase 120-123
T-Frame Capacitor Start 117-118
T-Frame Three-Phase Energy Efficient 124
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Motor Accessories
Blower Wheels 156-157
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DIRECT DRIVE MOTORS
3-3/8" Diameter Shaded Pole & PSC

Heatcraft Direct Replacement Motor
The "3-in-1" Energy Efficient Motor



- Direct replacement for Heatcraft

Applications:
- Direct replacement for Bohn, Chandler, Climate Control and Larkin

Features:
- Replaces 1/12 HP, 1/15 HP and 1/20 HP PSC and low efficiency shaded pole designs
- PSC design

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S58-998	9721	3-3/8"	1/12-1/20	115/208-230	1550	1	1.10	52%	5/16"	3-1/4"	Rev.	Ball	4.8	**235.00**

3.3" Diameter Refrigeration Evaporator Motor
PSC



- High efficiency PSC motors for refrigeration evaporator application
- Four 8-32 x 3/4" stud extensions at each end
- Ball bearings have all-angle thrust system
- Automatic reset thermal overload protector
- PSC design with capacitor included
- Lyall plugs for reversing
- 416 stainless steel shaft

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S59-629	9721	3.3"	1/12-1/20	115/208-230	1550/1350	1	1.10/0.57 & 1.20/0.62	0.265"	3-1/4"	CCWSE REV	Ball	5.0	**279.00**

RESCUE® Refrigeration Evaporator Motors
PSC



A



B

- High efficiency
- Uses over 40% less electricity than standard shaded pole designs
- Open Air Over

Applications:
- Designed to meet manufacturer's requirements for fans and blowers

Features:
- Capacitor included
- Automatic thermal protection
- Ball bearings
- Four 8-32 x 3/4" stud extensions at each end
- Dual studs
- 12" leads
- Class B insulation
- 40° C ambient operating temperature

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	For Use With	Capacitor To Match	Each
A	**S59-317**	9662	3.3"	1/20	115	1550	1	0.85	60%	5/16"	3"	Rev.	Ball	4.0	Bohn, Larkin	Included	**225.00**
A	**S58-963**	9656	3.3"	1/15	208-230	1550	1	0.60	60%	5/16"	2-1/2"	Rev.	Ball	4.0	Bohn, Larkin	Included	**215.00**
B	**S59-318**	9664	3.3"	1/12-1/20	115/230	1550	1	1.20/0.60	60%	5/16"	2-1/2"	Rev.	Ball	4.0	Bohn, Larkin	Included	**195.00**

Refrigerator Evaporator Motors
PSC



- Uses over 40% less electricity than standard shaded pole designs
- OAO and TEAO enclosures

Features:
- Capacitor included
- Automatic thermal protection
- Ball bearings
- Four 8-32 x 3/4" stud extensions at each end
- Dual studs
- 12" leads
- Class B insulation
- 40° C ambient operating temperature

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	For Use With	Capacitor To Match	Each
Open Air Over Enclosure																
S59-323	9624	3.3"	1/50	115	1550	1	0.43	60%	1/4"	2-1/4"	Rev.	Ball	4.0	—	Included	**155.00**
S59-324	9628	3.3"	1/30	115	1550	1	0.60	60%	5/16"	2-1/4"	Rev.	Ball	4.0	—	Included	**159.00**
S59-319	9632	3.3"	1/20	115	1550	1	0.85	60%	5/16"	2-19/50"	Rev.	Ball	4.0	—	Included	**179.00**
S59-322	9648	3.3"	1/20	230	1550	1	0.36	60%	5/16"	2-1/4"	Rev.	Ball	4.0	Fedders	Included	**215.00**
S59-325	9657	3.3"	1/10	230	1550	1	0.70	60%	5/16"	3-3/4"	Rev.	Ball	5.0	Heatcraft	Included	**275.00**
Totally Enclosed Air Over Enclosure																
S59-326	9641	3.3"	1/50	115	1550	1	0.50	60%	1/4"	2-1/4"	Rev.	Ball	4.0	—	Included	**225.00**
S59-320	9654	3.3"	1/20	115/230	1550	1	0.80/0.40	60%	5/16"	1-63/100"	CWSE	Ball	4.0	Krack	Included	**285.00**

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Multi-Horsepower Fan and Blower Motor

PSC

- 1/12 HP, 1/15 HP and 1/20 HP Motor
- Open ventilated

Features:
- Sleeve bearing
- Dual voltage
- Thermally protected
- Manufactured with low temperature oil



Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S59-241	D1127	3-3/8"	1/12-1/20	115/230	1550	1	1.10	65%	5/16"	3"	Slv	4.0	Included	**265.00**

1500 RPM Open Ventilated Motors

Shaded Pole

- Open air over

Applications:
- Electric wall and ceiling heaters, gas and oil heaters, range hood vents, fans, blowers, etc.

Features:
- Open ventilated enclosures, to be located in the airstream, thermally protected
- Studs: four on 2.84" centers, both ends of motor



A



B



C



D

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
A	**S58-219**	D120	3-3/8"	1/70	115	1500	1	0.70	35%	1/4"	2-1/4"	CWSE	2-1/8"	Slv	2.0	**189.00**
A	**S58-220**	D121	3-3/8"	1/70	115	1500	1	0.70	35%	1/4"	2-1/4"	CCWSE	2-1/8"	Slv	2.0	**195.00**
B	**S59-448**	D609	3-3/8"	1/50	115	1500	1	0.90	35%	1/4"	2-1/4"	CCWSE	2-3/16"	Slv	3.0	**219.00**
A	**S58-183**	D126	3-3/8"	1/40	115	1500	1	1.10	35%	5/16"	2-1/4"	CWSE	2-1/2"	Slv	2.1	**215.00**
A	**S58-221**	D127	3-3/8"	1/40	115	1500	1	1.00	35%	5/16"	2-1/4"	CCWSE	2-1/2"	Slv	2.5	**215.00**
C	**S58-234**	D190	3-3/8"	1/40	230	1500	1	0.60	35%	1/4"	2-1/4"	CW	2-1/2"	Slv	2.5	**335.00**
D	**S59-449**	D515	3-3/8"	1/30	115	1500	1	1.30	35%	5/16"	2-1/4"	CCWSE	2-5/8"	Slv	3.2	**265.00**
A	**S58-793**	D514	3-3/8"	1/30	115	1500	1	1.30	35%	5/16"	2-1/4"	CWSE	2-3/4"	Slv	3.2	**299.00**
C	**S58-233**	D532	3-3/8"	1/30-1/12	115	1500	2	1.40	35%	5/16"	1-1/2"	CW	2-3/4"	Slv	3.5	**405.00**
A	**S58-222**	D132	3-3/8"	1/20	115	1500	1	1.80	35%	5/16"	2-1/4"	CWSE	2-5/8"	Slv	3.2	**195.00**
A	**S58-223**	D133	3-3/8"	1/20	115	1500	1	1.80	35%	5/16"	2-1/4"	CCWSE	2-5/8"	Slv	3.2	**195.00**
C	**S58-581**	D189	3-3/8"	1/20	230	1500	1	0.90	35%	5/16"	2-1/4"	CCW	2-5/8"	Slv	3.2	**205.00**
A	**S58-777**	D109	3-3/8"	1/15	115	1600	1	2.00	35%	5/16"	3"	CWSE	3"	Slv	3.7	**269.00**

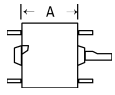
3000 RPM Open Ventilated Motors

Shaded Pole

Applications:
- For use on such diverse applications as hair dryers, fans, blowers, etc.

Features:
- 60 Hz
- Open ventilated enclosure motor to be located in the airstream, thermally protected
- Studs: Four on 2.84" centers, **S58-788** has two mounting studs, 1/2" extension both ends of motor





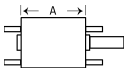
Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S58-193	D202	3-3/8"	1/85	115	3000	1	0.60	35%	1/4"	2-1/4"	CW	2-3/8"	Slv	2.1	**245.00**
S58-785	D203	3-3/8"	1/40	115	3000	1	1.00	35%	1/4"	2-1/4"	CCW	2-3/4"	Slv	3.0	**289.00**
S58-346	D206	3-3/8"	1/30	115	3000	1	1.20	35%	1/4"	2-1/4"	CW	2-3/4"	Slv	3.0	**289.00**
S58-787	D210	3-3/8"	1/25	115	3000	1	1.30	35%	1/4"	2-1/4"	CW	3-1/4"	Slv	3.5	**305.00**
S58-511	D216	3-3/8"	1/25	230	3000	1	0.70	35%	1/4"	2-1/4"	CW	3-1/4"	Slv	3.5	**385.00**
S58-788	D211	3-3/8"	1/15	230	3000	1	1.10	35%	1/4"	2-1/2"	CCW	3-7/8"	Slv	4.0	**355.00**

Packard

Direct Drive Blower Motors

Shaded Pole





- Open air over

Applications:
- Office equipment, portable fans, electric heaters, kitchen/bath ventilators

Features:
- Thermally protected
- Studs: Four on each end, 1/2" long on 2.84" centers, #8-32 thread both ends
- Shaft: flatted

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S58-124	40030	3-3/8"	1/25	115	1550	1	1.70	35%	5/16"	2-1/2"	CWSE	2-1/2"	Slv	4.0	**235.00**
S58-125	40031	3-3/8"	1/25	115	1550	1	1.70	35%	5/16"	2-1/2"	CCWSE	2-1/2"	Slv	4.0	**235.00**

FASCO

Draft Booster Motors

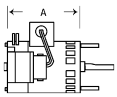
Shaded Pole or PSC



A



B



Features:
- All-angle mount
- 24V pilot duty safety switch
- Sleeve bearing (except as noted)
- 5/16" shaft adapter included
- With centrifugal safety switch
- Thermal overload protector
- Self-cooling
- Open ventilated

Note: S88-384 is used in Economite, LSI/Miller and Mid-Continent gas units

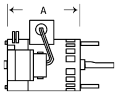
Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
Shaded Pole																
A	**S88-384**	D454	3-3/8"	1/30	115	3000	1	1.50	35%	1/4"	1-1/2"	CWSE	6-3/8"	Slv	4.0	**435.00**
PSC																
B	**S88-383**	D410	3-3/8"	1/10	115	3000	1	1.50	65%	1/4"	3-3/4"	Rev.	7-1/8"	Ball	5.8	**1045.00**
B	**S88-026**	D412	3-3/8"	1/9	230	3000	1	0.70	65%	1/4"	3-3/4"	Rev.	6-5/8"	Ball	5.5	**1099.00**

FASCO

Open Ventilated Motors

Shaded Pole





Applications:
- Fans, blowers, office equipment, portable heaters, electric heaters, kitchen and bath ventilators

Features:
- Short body lengths makes them adaptable to limited space use
- Flatted shaft, thermally protected, 60 Hz

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Replaces	Each
S59-468	D032A	3-3/8"	1/70	115	3000	1	0.60	35%	1/4"	2-1/2"	CWSE	2-1/2"	Slv	2.8	32	**209.00**
S59-540	D033	3-3/8"	1/70	115	3000	1	0.60	35%	1/4"	2-1/2"	CCWSE	2-1/2"	Slv	2.6	33	**215.00**
S59-474	D369	3-3/8"	1/60	115	900	3	1.30 -0.95 -0.65	35%	5/16"	2-1/2"	CCWSE	3-3/8"	Slv	4.0	369	**499.00**
S59-477	D0534	3-3/8"	1/25	115	1550	3	1.80 -1.30 -1.00	35%	5/16"	2-1/2"	CWSE	3"	Ball	3.6	534	**299.00**
S59-478	D535	3-3/8"	1/25	115	1550	3	1.80 -1.30 -1.00	35%	5/16"	2-1/2"	CCWSE	3"	Ball	3.6	535	**299.00**
S59-475	D0030	3-3/8"	1/25	115	1550	1	1.60	35%	5/16"	2-1/2"	CWSE	2-5/8"	Slv	3.6	30	**179.00**
S59-476	D031	3-3/8"	1/25	115	1550	1	1.90	35%	5/16"	2-1/2"	CCWSE	2-5/8"	Slv	3.6	31	**179.00**

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Totally Enclosed Air Over Motors

Shaded Pole

Applications:
- Replacements for range hoods

Features:
- 1500 RPM, single-speed
- Studs: four on each end, 1/2" long on 2.84" centers
- Two black leads 14" long, 18 gauge
- Thermal overload protector


A


B


C

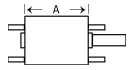


Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
A	**S59-450**	D541	3-3/8"	1/100	115	1500	1	0.60	35%	1/4"	2-1/4"	CCWSE	2-1/8"	Slv	2.0	**229.00**
B	**S58-216**	D122	3-3/8"	1/80	115	1500	1	0.60	35%	1/4"	2-1/4"	CWSE	2-1/8"	Slv	2.1	**209.00**
B	**S58-217**	D123	3-3/8"	1/80	115	1500	1	0.60	35%	1/4"	2-1/4"	CCWSE	2-1/8"	Slv	2.2	**209.00**
B	**S58-218**	D124	3-3/8"	1/50	115	1500	1	0.75	35%	1/4"	2-1/4"	CWSE	2-1/2"	Slv	2.7	**209.00**
B	**S58-184**	D125	3-3/8"	1/50	115	1500	1	0.75	35%	1/4"	2-1/4"	CCWSE	2-1/2"	Slv	2.7	**209.00**
C	**S59-451**	D602	3-3/8"	1/50	115	1500	1	0.90	35%	1/4"	2-1/4"	CWSE	2-3/16"	Slv	3.0	**215.00**
C	**S59-452**	D601	3-3/8"	1/50	115	1500	1	0.90	35%	1/4"	2-1/4"	CCWSE	2-3/16"	Slv	3.0	**215.00**

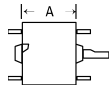
Totally Enclosed Air Over Motors

Shaded Pole

Applications:
- Replacements on many range hood vent fans or blowers and may be used for other applications where the motor is located in the airstream

Features:
- Thermally protected
- 60 Hz
- Shaft: flatted
- Studs: four each end, 3/4" long on 2.84" centers





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S58-287	D403	3-3/8"	1/60	115	3000	1	0.75	35%	1/4"	2-1/4"	CCWSE	2-3/8"	Slv	2.5	**259.00**
S58-288	D402	3-3/8"	1/60	115	3000	1	0.75	35%	1/4"	1-3/4"	CWSE	2-3/8"	Slv	2.5	**259.00**

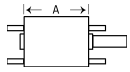
Totally Enclosed Air Over Motors

Shaded Pole

Applications:
- Bathroom ventilators, vent hoods, humidifiers, dehumidifiers, unit heaters, refrigerated display cases where motor is in humid or dusty locations

Features:
- Replacements for Broan, Duotherm, Markel, Miami Carey, Nutone, Tyler, Ventrola and others
- Shaft: flatted
- Studs: four, 3/4" long on 2.84" centers, #8-32 thread on both ends





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S58-019	40122	3-3/8"	1/100	115	1550	1	0.70	35%	1/4"	2-1/4"	CWSE	2"	Slv	3.0	**225.00**
S58-022	40123	3-3/8"	1/100	115	1550	1	0.70	35%	1/4"	2-1/4"	CCWSE	2"	Slv	3.0	**189.00**
S58-423	40124	3-3/8"	1/50	115	1550	1	0.80	35%	1/4"	2-1/4"	CWSE	2-5/16"	Slv	3.0	**189.00**
S58-011	40125	3-3/8"	1/50	115	1550	1	0.80	35%	1/4"	2-1/4"	CCWSE	2-5/16"	Slv	3.0	**199.00**

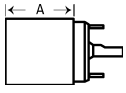
Totally Enclosed Self-Cooled Motors

Shaded Pole

Applications:
- Central heating and direct drive blower units in humid or dusty areas

Features:
- Thermally protected
- Shaft: flatted
- Cooling case may be removed if necessary to use as totally enclosed motor
- Studs: four, 3/4" long on 2.84" centers, #8-32 thread





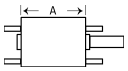
Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S58-228	D134	3-3/8"	1/25	115	1500	1	1.60	35%	5/16"	2-1/4"	CWSE	4-1/4"	Slv	4.1	**425.00**
S58-271	D227	3-3/8"	1/20	115	1500	1	1.70	35%	5/16"	2-1/4"	CCWSE	4-1/4"	Ball	5.0	**539.00**
S58-789	D226	3-3/8"	1/20	115	1500	1	1.60	35%	5/16"	2-1/4"	CWSE	4-1/4"	Ball	4.5	**525.00**
S58-790	D234	3-3/8"	1/15	115	1580	1	2.20	35%	5/16"	2-1/4"	CWSE	4-3/4"	Slv	5.0	**449.00**

DIRECT DRIVE MOTORS
3-3/8" Diameter Shaded Pole

FASCO

Internally Fan-Cooled Motors
Shaded Pole





Applications:
- For use on fans, blowers and small pumps where motor is isolated from air stream

Features:
- Continuous duty
- Studs: four on 2.84" centers, #8-32 thread
- Sleeve bearing, thermal overload protection
- Open construction

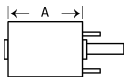
Note: S58-701 has four studs opposite shaft end; **S58-786** is double shaft with 3-1/4" extension each end.

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S58-701	D167	3-3/8"	1/70	115	1500	1	0.70	35%	1/4"	3"	CWSE	2-7/8"	Slv	2.5	**349.00**
S58-510	D608	3-3/8"	1/50	230	3000	1	0.60	35%	1/4"	1-5/16"	CWSE	3-3/4"	Slv	3.0	**315.00**
S58-224	D130	3-3/8"	1/40	115	1500	1	1.00	35%	5/16"	4-1/8"	CWSE	3-1/3"	Slv	2.8	**289.00**
S58-786	D209	3-3/8"	1/30	115	3000	1	1.10	35%	1/4"	3-1/4"	CCWOSE	3-5/8"	Slv	3.0	**305.00**
S89-088	D208	3-3/8"	1/30	115	3000	1	1.10	35%	1/4"	3"	CWSE	3-5/8"	Slv	3.0	**295.00**

Packard

11 Frame Replacement Motors
Shaded Pole





Applications:
- Replaces GE motors in air conditioners, unit heaters, commercial condensing units, unit cooler fans, blowers and refrigeration cabinets

Features:
- Ball bearings, resilient rings for base mounting, and tapped mounting holes

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S58-534	81671	3-3/8"	1/15	115/230	1550	1	2.10	35%	5/16"	1-5/8"	CCWSE	4-1/2"	Ball	5.0	**379.00**
S58-535	81672	3-3/8"	1/15	115/230	1550	1	2.10	35%	5/16"	1-5/8"	CWSE	4-1/2"	Ball	5.0	**389.00**

FASCO

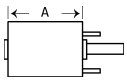
Open Ventilated Air Over Motors for Fans and Roof Ventilators
Shaded Pole Replacements for Sears, Acme and Others



A



B



Applications:
- Replacements for motors used on roof ventilators, may also be used on fan and blower applications where the motor is located in the air system

Features:
- Thermally protected, 60 Hz
- Shafts: flatted
- Studs: four studs on 3.89" centers, shaft end, 1/2" long all motors
- **S89-442** is a replacement for Leslie Locke #7108-5056

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
A	**S89-441**	D170	4-7/16"	1/20	115	1500	1	1.70	35%	5/16"	2-1/4"	CWSE	2-3/4"	Slv	4.5	**549.00**
A	**S88-238**	D116	4-7/16"	1/15	115	1500	1	2.40	35%	3/8"	2-3/8"	CWSE	3"	Slv	5.0	**439.00**
A	**S89-442**	D310	4-7/16"	1/12	115	1500	1	4.00	35%	3/8"	2"	CWSE	2-3/8"	Slv	4.5	**515.00**
A	**S87-975**	D119	4-2/5"	1/11-1/35	115	1500	3	2.90	35%	1/2"	2-5/8"	CCWSE	3-3/4"	Ball	6.0	**465.00**
B	**S88-229**	D174	4-2/5"	1/10	115	1500	1	3.50	35%	3/8"	2-7/8"	CWSE	3-3/8"	Slv	6.5	**565.00**
A	**S89-087**	D374	4-2/5"	1/8-1/20	115	1500	2	4.00	35%	3/8"	2-1/2"	CWSE	3-5/8"	Slv	6.5	**869.00**

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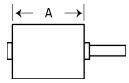
Totally Enclosed Unit Heater Motors

Shaded Pole

Applications:
- Used for Modine and Reznor unit heaters

Features:
- Single-speed
- Totally enclosed, non-ventilated
- Sleeve bearing





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S88-836	D113	4-2/5"	1/12	115/230	1550	1	2.50	35%	3/8"	3"	CCWSE	4-1/8"	Slv	9.0	**949.00**
S88-837	D114	4-2/5"	1/12	115/230	1550	1	2.50	35%	3/8"	3"	CWSE	4-1/8"	Slv	9.0	**935.00**
S88-838	D115	4-2/5"	1/12	115/230	1550	1	2.50	35%	1/2"	2"	CCWSE	4-1/8"	Slv	9.0	**935.00**

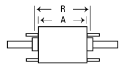
Totally Enclosed Fan and Blower Motor

PSC Unit Heater

Applications:
- Direct drive furnace blowers, shaft mounted fans, unit heaters or any continuous duty application where the motor is located in the airstream

Features:
- Continuous duty, air over
- Auto protector
- Leads: 60" long, with 1/4" straight terminals
- Shaft: flatted
- Capacitor and capacitor housing included
- Three thru-bolts on a 4.42" diameter bolt circle
- Replaces mfg. #322P611





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Each
S88-287	U6520	5"	1/8	115	1075	1	2.60	65%	1/2"	2-1/4"	Rev.	3-7/8"	4-5/8"	Slv	12.2	**805.00**

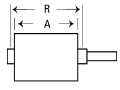
Open Ventilated Refrigeration Replacement Motors

Shaded Pole

Applications:
- Unit cooler fans and blowers, refrigeration cabinets, unit heaters, space heaters, remote air conditioners, blower units and other air moving applications
- For many popular commercial condensing units (Copeland, Tecumseh, Hussmann, Tyler, etc.)

Features:
- Single-speed, all-angle sleeve bearing, 42Y frame
- These four motor ratings replace 21 of GE's 21/29 frame designs
- 1/2" shaft adapter included, mechanically reversible
- Extended studs on 3-1/2" bolt circle for stud mounting (mounting washers and nuts included)
- Extended hubs with 2-1/4" rubber rings for base mounting
- Automatic reset thermal protection

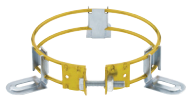




Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Each
S88-444	RF6402	5"	1/10	115/208-230	1050	1	4.00	35%	3/8"	2-1/4"	CWSE - Mech. Rev.	3-13/16"	4-9/16"	Slv	11.4	**449.00**
S88-445	RF6403	5"	1/10	115/208-230	1050	1	4.00	35%	3/8"	2-1/4"	CCWSE - Mech. Rev.	3-13/16"	4-9/16"	Slv	12.0	**455.00**
S88-442	RF4400	5"	1/10	115/208-230	1550	1	4.00	35%	3/8"	2-1/4"	CWSE - Mech. Rev.	3-13/16"	4-9/16"	Slv	10.2	**425.00**
S88-443	RF4401	5"	1/10	115/208-230	1550	1	4.00	35%	3/8"	2-1/4"	CCWSE - Mech. Rev.	3-13/16"	4-9/16"	Slv	10.0	**425.00**

Lug Mounting Brackets

- For 3.3" through 5-5/8" diameter motors
- Large lug size have 3/4" slot and small lug size have 1/4" slot
- A: approximate motor diameter
- B: minimum bolt circle mounting diameter
- C: maximum bolt circle mounting diameter



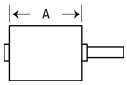
Order #	A	B	C	Each
S58-406	3-3/8"	4-5/8"	5-7/8"	**44.49**
S58-407	3-3/8"	5-7/8"	9-7/8"	**49.99**
S58-408	4-1/4"	5-1/2"	6-3/4"	**31.99**
S58-409	4-1/4"	6-3/4"	10-3/4"	**44.49**

Order #	A	B	C	Each
S58-410	5"	6-5/16"	7-9/16"	**40.99**
S58-411	5"	7-9/16"	11-9/16"	**55.00**
S58-412	5-5/8"	6-7/8"	8-1/8"	**40.49**
S58-413	5-5/8"	8-1/8"	12-1/8"	**47.49**

FASCO

Totally Enclosed Unit Heater Motor
Shaded Pole





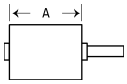
Applications:
- Direct replacement for Sterling Radiator Company unit heater motors

Features:
- TEAO

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S88-839	D261	5"	1/8-1/15	115	1075	2	2.30	65%	1/2"	3"	Rev.	3-5/8"	Slv	9.0	**735.00**

Direct Drive Ventilation Motor
PSC, 42YZ Frame, Open Air Over



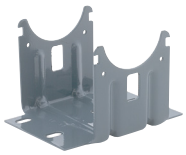


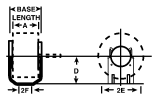
Features:
- Capacitor included and mounted
- Automatic thermal protection
- Continuous duty

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match
S58-964	4742	5"	1/6	115	1650	1	2.70	54%	1/2"	3"	CWLE	3-7/8"	Ball	10.0	Included

Century®

Resilient Bases
For 4-5/16", 5", 5-1/2" and 5-5/8" Diameter Motors





- Check "A" dimension of motor (overall body length, excluding hubs)
- Select base that fits motor body length
- Verify correct shaft height ("D" dimension)

Note: Resilient mounting rings, mounting clips and adapter rings not included.

Order #	Mfg. #	Base Length	D	A Length for 4-5/16" Diam.	A Length for 5-5/8" & 5" Diam.	2E	2F	Each
S58-356	1206	4-3/16"	2-11/16"	3-1/2"	3-3/4"	3-7/8"	1-11/16"	**129.00**
S58-357	1207A	4-11/16"	2-11/16"	4"	4-1/4"	3-7/8"	1-11/16"	**125.00**
S58-358	1211	4-3/16"	3"	3-1/2"	3-3/4"	3-15/16"	1-11/16"	**85.00**
S58-359	1212	4-11/16"	3"	4"	4-1/4"	3-15/16"	1-11/16"	**75.00**
S58-360	2061	3-15/16"	3"	3-1/4"	3-1/2"	3-15/16"	1-11/16"	**95.00**
S58-361	1422	4-7/16"	3"	3-3/4"	4"	4-1/4"	2-3/4"	**75.00**
S58-362	1226	4-7/8"	3"	4-1/4"	4-1/2"	3-15/16"	1-11/16"	**79.00**
S58-363	1292	5-1/8"	3"	4-1/4"	4-3/4"	3-15/16"	1-11/16"	**79.00**
S58-365	1340	5-11/16"	3"	5"	5-1/4"	4-1/4"	2-3/4"	**89.00**
S58-369	2062	3-15/16"	3-1/2"	3-1/4"	3-1/2"	3-15/16"	1-11/16"	**95.00**
S58-370	1209A	4-3/16"	3-1/2"	3-1/2"	3-3/4"	3-15/16"	1-11/16"	**85.00**
S58-373	1347	5-3/16"	3-1/2"	4-1/2"	4-3/4"	3-15/16"	1-11/16"	**85.00**
S58-374	1419	5-11/16"	3-1/2"	5"	5-1/4"	4-1/4"	2-3/4"	**89.00**

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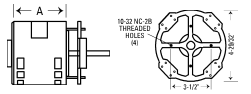
21/29 Frame Replacement Motors

PSC, 42 Frame, Open Dripproof Air Over

Applications:
- Four motors replace over 30 GE Motors used for air conditioners, refrigerated cabinets, window fans, etc.
- Complete mounting provisions for replacing 21/29 frame motors

Features:
- Versatile all-angle operation
- Single-speed
- Mechanically reversible
- Dummy end shield can be moved on the extended thru-bolts to fit existing base
- Threaded holes and bolts for 21/29 frame end mounting, 2-1/4" hub rings, resilient mount
- 1/2" shaft adapter furnished, flatted shaft
- Automatic thermal protection
- Capacitor included





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S81-178	1468P	5"	1/20	115/208-230	1550	1	2.20	36%	3/8"	3-3/10"	CCWSE	3-1/2"	SAB	7.0	**599.00**
S81-177	1469P	5"	1/15	115/208-230	1550	1	1.30	38%	3/8"	3-1/2"	CWSE	3-1/2"	SAB	8.4	**629.00**
S81-176	1470P	5"	1/10	115/208-230	1550	1	3.80	46%	3/8"	3-1/2"	CWSE	3-1/2"	SAB	7.0	**639.00**
S81-175	1471P	5"	1/10	115/208-230	1050	1	1.70	51%	3/8"	3-1/4"	CWSE	4"	SAB	7.0	**645.00**

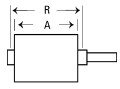
21/29 Frame Motors

PSC, 42 Frame, Open Air Over

Applications:
- Direct drive furnace blowers, air conditioners, fans, blowers and locations where the motor is located in the airstream

Features:
- Rotation: electrically reversible
- Resilient rings for base mounting
- 3-speed
- Sleeve bearing for all-angle mounting
- Capacitor not included





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S89-021	2824	5"	1/8	115	1075	3	2.50	1/2"	4"	Rev.	4-5/16"	4-15/16"	Slv	8.7	G21-930	**709.00**
S89-022	2825	5"	1/5	115	1075	3	3.50	1/2"	4"	Rev.	4-1/2"	5-7/16"	Slv	11.2	G21-930	**749.00**
S89-026	2828	5"	1/4	208-230	1075	3	2.20	1/2"	4"	Rev.	5-1/16"	5-11/16"	Slv	11.9	G21-930	**839.00**

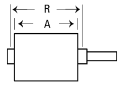
Direct Drive Blower Motors

PSC, 42 Frame, Open Air Over

Applications:
- Direct drive blower motor suitable for a wide variety of air moving applications such as refrigeration condensers, unit heaters, unit coolers, central air conditioning, etc.

Features:
- Automatic thermal protector
- Sleeve bearing
- Includes 2-1/2" resilient rings
- Rotation is non-reversible





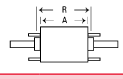
Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S81-180	1127P	5"	1/6	115	1050	1	6.00	54%	1/2"	4"	CCWLE	4-1/16"	4-3/4"	SAB	12.0	—	**445.00**
S88-580	8952	5"	1/5	208-230	1075	3	1.60	62%	1/2"	4"	Rev.	4-5/16"	4-7/8"	SAB	11.0	G21-930	**615.00**

Unit Heater and Furnace Blower Motors

Applications:
- Unit heaters, furnace blower, fans and blowers
- Open ventilated PSC motors designed as OEM replacement furnace blower/unit heater motors for Payne, Day & Night, Bryant, Reznor, Intertherm, Coleman, Janitrol, etc.

Features:
- Thermally protected, capacitor leads with 1/4" flag terminals, reversing plug
- Shaft: 2-1/2" flatted
- Studs: three or four on 4.62" centers, 13/16" long, #10-32 thread, on shaft end of motor
- Resilient rings: not included





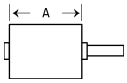
Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-302	D150A	5"	1/4-1/6	115	1050	3	4.70	65%	1/2"	6"	Rev.	4-1/8"	5-1/8"	Slv	11.5	G21-930	**569.00**
S88-303	D151A	5"	1/4-1/6	230	1050	3	1.70	65%	1/2"	6"	Rev.	4-1/8"	5-1/8"	Slv	11.0	G21-930	**585.00**

DIRECT DRIVE MOTORS
5" Diameter Shaded Pole & PSC

FASCO

Heating and Ventilation Motors
Shaded Pole, 42 Frame, Open Air Over





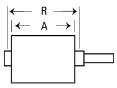
Applications:
- 1-, 2- and 3-speed motors designed as replacements on central heating and direct drive blower units
- May also be used for ventilators, exhaust fans, etc.

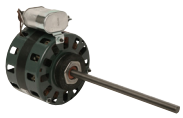
Features:
- Thermally protected, sleeve bearing
- **S89-413** is a replacement for Siegler & Williams wall heaters

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S89-413	D143	5"	1/30-1/40	115	1050	2	1.50	35%	1/2"	1-5/8"	CCWSE	2-1/4"	Slv	5.0	**565.00**
S88-520	D148	5"	1/10	115	1050	1	3.60	35%	3/8"	3-1/2"	CWSE	2-5/8"	Slv	6.5	**595.00**

FASCO

PSC 4-Speed Single Shaft Fan Coil Motor
For McQuay, Trane and Other Single Shaft Fan Coil Units





Applications:
- 4-speed, PSC direct drive motor most often drives an 8" wide blower wheel in fan coil units

Features:
- Rotation: reversible, capacitor included

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Each
S88-660	D290A	5"	1/10-1/40	115	1050	4	2.20	65%	1/2"	8-1/2"	Rev.	3-1/4"	4-1/4"	Slv	7.5	**825.00**

Century®

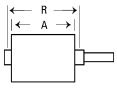
1-, 2-, 3- and 4-Speed Fan and Blower Motors
Shaded Pole or PSC, 42 Frame, Open Air Over



A



B



Applications:
- Direct drive furnace blowers, shaft mounted fans, unit heaters or any continuous duty application where the motor is located in the airstream

Features:
- Automatic reset thermal protectors
- All motors have 30" leads
- **S88-272** has extended mounting studs on the shaft extension end of the motor

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
PSC																		
A	**S88-273**	BL6505	5"	1/5-1/10	115	1075	3	3.20	65%	1/2"	5"	Rev.	3-7/8"	4-5/8"	Slv	9.7	G21-933	**589.00**
A	**S88-274**	B6507A	5"	1/5-1/10	230	1075	3	1.30	65%	1/2"	5"	Rev.	3-7/8"	4-5/8"	Slv	10.8	G21-933	**595.00**
B	**S89-856**	390A	5"	1/4-1/7	115	1050	3	3.70	65%	1/2"	6"	Rev.	4-1/4"	—	Slv	12.0	G21-933	**659.00**
A	**S89-773**	BL6519	5"	1/4-1/6	115	1075	3	4.70	65%	1/2"	4-7/8"	Rev.	4-1/16"	—	Slv	11.3	G21-930	**615.00**
A	**S89-774**	B6520A	5"	1/4-1/6	230	1075	3	2.00	65%	1/2"	4-7/8"	Rev.	4-1/16"	—	Slv	11.4	G21-930	**615.00**
Shaded Pole																		
A	**S88-267**	BL6410	5"	1/8	115	1050	1	5.20	35%	1/2"	4-7/8"	CCWLE	3-3/8"	4-1/8"	Slv	8.8	—	**459.00**
A	**S89-770**	BL6412	5"	1/6	115	1050	1	5.50	35%	1/2"	3-5/8"	CCWLE	3-7/8"	4-5/8"	Slv	8.7	—	**395.00**
A	**S89-771**	BL6420	5"	1/6-1/9	115	1050	2	5.60	35%	1/2"	3-5/8"	CCWLE	3-7/8"	4-3/8"	Slv	9.0	—	**425.00**
A	**S88-270**	BL6414	5"	1/5-1/10	115	1050	3	6.50	35%	1/2"	4-7/8"	CCWLE	3-7/8"	4-9/16"	Slv	11.1	—	**425.00**
A	**S88-272**	BL6416	5"	1/5-1/15	115	1050	4	7.10	35%	1/2"	2"	CCWLE	3-7/8"	4-5/8"	Slv	10.8	—	**649.00**
A	**S88-271**	B6415	5"	1/5-1/10	208-230	1050	3	3.20	35%	1/2"	4-7/8"	CCWLE	3-7/8"	4-5/8"	Slv	11.1	—	**545.00**
A	**S88-269**	BL6413	5"	1/5	115	1050	1	6.00	35%	1/2"	4-7/8"	CCWLE	3-3/8"	4-1/8"	Slv	9.0	—	**529.00**

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Furnace Blower Motors

PSC, Open Air Over

Applications:
- Furnace blowers, attic ventilators, air handlers and fan coil units

Features:
- Continuous duty
- Thermally protected



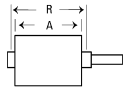
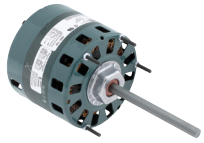
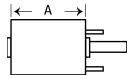


Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
PSC																		
A	**S89-768**	669A	5"	1/10-1/35	115	1050	4	1.70	65%	1/2"	8-1/2"	Rev.	3-1/2"	4"	Slv	9.0	Included	**925.00**
B	**S89-769**	690	5"	1/6	208-230	1110	1	1.03	65%	1/2"	1-3/4"	Rev.	4-1/4"	—	Slv	10.3	G21-930	**535.00**

277 Volt Fan Motor

Features:
- 4-speed PSC motor, sleeve bearing
- Rotation: electrically reversible
- Extended hubs both ends, weighs 11 lbs.





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-683	D152	5"	1/4-1/8	277	1050	4	1.50	65%	1/2"	6"	Rev.	4-1/8"	Slv	11.0	G21-930	**885.00**

RESCUE EZ13® Blower Motors

- Universal ECM replacement for furnaces and air handlers
- Built-in 6,000 volt surge protection
- Replaces X13, Endura Pro and SelecTech constant torque ECM
- Truck stock
- Universal replacement
- Ready to install
- Replaces Thousands of OEM Models
- Pre-programmed with Universal Program, no programming required
- Inputs: 24Vac, tap inputs
- Rotation: Auto-Rotation sensing
- Hertz: 60 & 50Hz
- Operation mode: constant torque
- NEMA 48 frame, open air over (OAO) Enclosure, Belly-band Mounting
- Up to 82% Efficiency



Order #	Mfg. #	Diam.	HP	Volts	RPM	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S83-125	5632	5-5/8"	1/2-1/3	115/208-230	1075	6.30/4.00-3.80 & 6.40/4.00-3.80	82%	1/2"	5.0"	Rev.	Ball	10.0	**705.00**
S83-124	5642	5-5/8"	3/4	115/208-230	1075	9.30/5.80-5.40 & 9.30/5.80-5.40	82%	1/2"	5.0"	Rev.	Ball	12.0	**765.00**
S83-123	5652	5-5/8"	1	115/208-230	1075	12.40/7.80-7.20 & 12.30/7.70-7.20	82%	1/2"	5.0"	Rev.	Ball	14.0	**805.00**

RESCUE® Select Pro™ Blower Motors

- Programmable ECM replacement for furnaces and air handlers
- Built-in 6,000 Volt surge protection
- Replaces X13, Endura Pro and SelecTech constant torque ECM
- Truck stock
- OEM direct replacement
- Programmable and tunable in operation
- Replaces thousands of OEM models
- Integrated Bluetooth® Technology, no additional programming tool required
- RESCUE® Select Pro™ programming app offers OEM direct programming, customized airflow in operation
- Inputs: 24Vac, tap inputs
- Speeds: programmable (1075/Var)
- Rotation: programmable (CCW or CW)
- 60 & 50Hz
- Operation mode: Constant Torque
- NEMA 48 Frame, open air over (OAO) enclosure, belly-band mounting



Order #	Mfg. #	Diam.	HP	Volts	RPM	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S83-128	6633	5-5/8"	1/2-1/3	115/208-230	1075	6.30/4.00-3.80 & 6.40/4.00-3.80	82%	1/2"	5.0"	Rev.	Ball	10.0	**775.00**
S83-127	6643	5-5/8"	3/4	115/208-230	1075	9.30/5.80-5.40 & 9.30/5.80-5.40	82%	1/2"	5.0"	Rev.	Ball	12.0	**839.00**
S83-126	6653	5-5/8"	1	115/208-230	1075	12.40/7.80-7.20 & 12.30/7.70-7.20	82%	1/2"	5.0"	Rev.	Ball	14.0	**885.00**

DIRECT DRIVE MOTORS
48 Frame ECM Motors

RESCUE EZ16® Blower Motors



- Universal ECM replacement for furnaces and air handlers
- Built-in 6,000 volt surge protection
- Field tunable with EZI (included)
- Replaces thousands of OEM models
- Direct drop-in
- Adjustable airflow at point of installation
- Multi-HP trim function to increase flexibility
- Remote mount for ease of access
- Universally compatible with all 2.0, 2.3, EON motors and Nidec 16X4W
- Inputs: 24Vac or PWM
- Rotation: CCW or CW (24Vac) / Auto-Rotation (PWM)
- Hertz: 60 & 50Hz
- Operation Mode: Constant Torque
- NEMA 48 Frame, Open Air Over (OAO) enclosure, belly-band mounting
- Up to 82% efficiency

Order #	Mfg. #	Diam.	HP	Volts	RPM	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S83-270	5863	5-5/8"	1/3	115/208-230	1075	4.50/2.90-2.70 & 4.50/2.90-2.70	82%	1/2"	5.0"	Rev.	Ball	9.0	**999.00**
S83-271	5862	5-5/8"	1/2-1/3	115/208-230	1075	6.40/4.00-3.80 & 6.40/4.00-3.80	82%	1/2"	5.0"	Rev.	Ball	10.0	**1099.00**
S83-272	5861	5-5/8"	3/4-1/3	115/208-230	1075	9.30/5.90-5.50 & 9.40/5.90-5.50	82%	1/2"	5.0"	Rev.	Ball	12.0	**1199.00**
S83-273	5860	5-5/8"	1-1/3	115/208-230	1075	12.10/7.60-7.10 & 12.10/7.60-7.10	82%	1/2"	5.0"	Rev.	Ball	14.0	**1245.00**

RESCUE EcoTech® Motors
ECM, 48 Frame, Open Air Over



- High Efficiency Direct Drive Blower Motors

Applications:
- A high efficiency drop-in for indoor direct-drive blowers originally equipped with a PSC motor
- Designed for air handler, furnace and heat pump systems

Features:
- Easy installation — connects just like a PSC motor, no modifications to wiring or system control required
- Energy efficiency and low available speed support improved comfort and indoor air quality
- Five speeds: 600–1200 RPM
- Reversible rotation
- Electronically protected motor
- 36" leads
- No capacitor required
- Ball bearing

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S81-644	5522ET	5-5/8"	1/3 - 1/5	115/230	1075	5	4.20 / 2.70	82%	1/2"	4-1/2"	Rev.	Ball	12.0	**879.00**
S81-645	5532ET	5-5/8"	1/2-1/4	115/230	1075	5	6.20/3.90	82%	1/2"	4-1/2"	Rev.	Ball	12.0	**915.00**
S81-646	5542ET	5-5/8"	3/4-1/3	115/230	1075	5	8.50 / 5.20	82%	1/2"	4-1/2"	Rev.	Ball	17.8	**1045.00**
S81-647	5552ET	5-5/8"	1-1/2	115/230	1075	5	11.50 / 6.90	82%	1/2"	4-1/2"	Rev.	Ball	17.9	**1199.00**

Evergreen® VS Motors



- Designed to replace Genteq constant airflow (variable speed) ECM indoor blower motors
- Replaces Genteq models 2.3, EON, and 3.0 motors
- The User Interface is included to replace 2.3 and Eon (16-pin)
- 2-year warranty

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S83-694	6503VUI	5-4/7"	1/3	120/240	1050	1	5.00/2.80	80%	1/2"	5"	Rev.	Ball	9.0	**1045.00**
S83-695	6505VUI	5-4/7"	1/2	120/240	1050	1	7.70/4.30	80%	1/2"	5"	Rev.	Ball	12.0	**1145.00**
S83-696	6507VUI	5-4/7"	3/4	120/240	1050	1	10.10/6.10	80%	1/2"	5"	Rev.	Ball	16.0	**1245.00**
S83-697	6510VUI	5-4/7"	1	120/240	1050	1	12.80/7.40	80%	1/2"	5"	Rev.	Ball	20.0	**1245.00**

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Evergreen EM Dual Voltage

- 48 frame, belly band mount
- Multi-speed, constant torque, brushless DC motor
- Automatically determines motor direction using Genteq's rotation sensing technology
- Operating speed range 600-1200 RPM
- Encapsulated electronics
- 4kV surge protection
- Soft start and off ramp for quiet operation
- Does not replace premium ECM constant airflow products such as Eon, 3.0, 2.3, and 2.5

Note: Pre-wired for 208-230V



Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S83-698	6203X	5-5/8"	1/3	208-230/115	1075	5	2.80	80%	1/2"	4-1/2"	Rev./Auto	Ball	8.4	**669.00**
S83-699	6205X	5-5/8"	1/2	208-230/115	1075	5	4.10	80%	1/2"	4-1/2"	Rev./Auto	Ball	11.3	**749.00**
S83-700	6207X	5-5/8"	3/4	208-230/115	1075	5	6.00	80%	1/2"	4-1/2"	Rev./Auto	Ball	15.6	**825.00**
S83-701	6210X	5-5/8"	1	208-230/115	1075	5	7.60	80%	1/2"	4-1/2"	Rev./Auto	Ball	19.3	**919.00**

Evergreen® EM Replacement Blower Motors

ECM, 48 Frame, Open Air Over

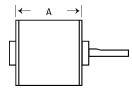
Applications:

- Designed to replace direct-drive blower motors in residential and light commercial indoor furnaces, air handlers and package systems designed with a standard ECM motor, such as an X13 or equivalent competitor model
- Does not replace premium ECM constant airflow products such as Eon 3.0, 2.3 and 2.5

Features:

- Belly band mount
- Multi-speed, constant torque, brushless DC motor
- Automatically determines motor direction using Genteq's rotation sensing technology
- Operating speed range 600-1200 RPM
- Encapsulated electronics
- 4kV surge protection
- Soft start and off ramp for quiet operation





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S81-945	6103E	5-5/8"	1/3	115	1075	5	4.80	80%	1/2"	4-1/2"	Rev./Auto	10.17	Ball	8.4	**915.00**
S81-946	6203E	5-5/8"	1/3	208-230	1075	5	2.80	80%	1/2"	4-1/2"	Rev./Auto	10.17	Ball	8.4	**915.00**
S81-947	6105E	5-5/8"	1/2	115	1075	5	6.80	80%	1/2"	4-1/2"	Rev./Auto	10.67	Ball	11.3	**1045.00**
S81-949	6107E	5-5/8"	3/4	115	1075	5	8.40	80%	1/2"	4-1/2"	Rev./Auto	11.42	Ball	15.6	**1145.00**
S81-950	6207E	5-5/8"	3/4	208-230	1075	5	6.00	80%	1/2"	4-1/2"	Rev./Auto	11.42	Ball	15.6	**1145.00**
S81-951	6110E	5-5/8"	1	115	1075	5	10.90	80%	1/2"	4-1/2"	Rev.	12.17	Ball	19.3	**1299.00**
S81-952	6210E	5-5/8"	1	208-230	1075	5	7.60	80%	1/2"	4-1/2"	Rev.	12.17	Ball	19.3	**1299.00**

Evergreen® Motor Accessories

- **S59-612** Evergreen InTune™ from Genteq provides wireless connection from a smart phone or tablet to stock Evergreen EM (constant torque replacement EC) and CM (commercial VAV EC) motors for realtime adjustment of the motors operating point
- **S59-653** Evergreen 0-10 VDC Harness Kit, Harness connects 0-10 VDC controls directly to Evergreen EM & CM motors to select precise operating points from 600-1200 RPM to dial in system performance
- **S59-654** PWM Control (Single Input), Converts a single 24vac thermostat or motor demand to a PWM signal with a manually adjustable range of 600-1200 rpm to set a precise operating point


A


B

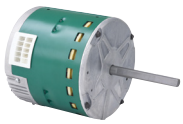

C

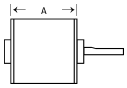

D

Fig.	Order #	Mfg. #	Description	Each
Accessories for Evergreen® EM & CM Motors				
A	**S59-612**	5K006	Intune Wi-Fi Programmer	**975.00**
B	**S59-653**	5K007	0-10 VDC Harness Kit	**115.00**
Accessories for Evergreen® EM, CM & OM Motors				
—	**S59-654**	760ECM	PWM Control (Single Input)	**469.00**
Accessory for Evergreen® VS Motors				
C	**S59-751**	5K015	4 to 16 Pin Converter	**35.99**
Accessory for Evergreen® IM, EM, CM & VS Motors				
D	**S59-765**	5K016	Rotation Reversing Harness	**59.00**

Evergreen® CM Commercial Blower Motors

ECM, 48 Frame, Open Air Over





- 80% High efficiency ECM technology
- Replaces X13 and similar competitor constant Torque ECM
- Upgrade/replace PSC motors in VAV and air handler applications
- Precise air balancing using PWM or 0-10VDC controls
- Pre-programmed for truck stock
- No complex wiring or configuration
- Two year warranty

Applications:
- VAV boxes, packaged heat pumps and direct drive belly band blower motors

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S81-894	6703	5-5/8"	1/3	277	1050	5	2.60	80%	1/2"	4"	Rev.	5.25"	Ball	7.5	**735.00**
S81-895	6705	5-5/8"	1/2	277	1050	5	3.60	80%	1/2"	4"	Rev.	5.75"	Ball	10.6	**819.00**
S82-494	6405	5-5/8"	1/2	460	1200-600	5	2.10	80%	1/2"	4"	Rev.	5.75"	Ball	14.0	**1399.00**
S81-896	6707	5-5/8"	3/4	277	1050	5	4.90	80%	1/2"	4"	Rev.	6.5"	Ball	13.5	**905.00**
S82-495	6407	5-5/8"	3/4	460	1200-600	5	3.20	80%	1/2"	4"	Rev.	6.5"	Ball	16.0	**1499.00**
S81-897	6710	5-5/8"	1	277	1050	5	6.60	80%	1/2"	4"	Rev.	7.25"	Ball	17.2	**1045.00**
S82-496	6410	5-5/8"	1	460	1200-600	5	4.00	80%	1/2"	4"	Rev.	7.25"	Ball	18.5	**1545.00**

Evergreen™ IM Retrofit Blower Motors

ECM, 48 Frame, Open Air Over



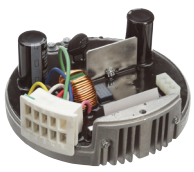
- Designed to upgrade system performance by replacing standard PSC blower motors

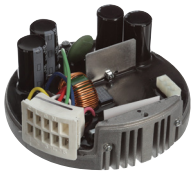
Applications:
- For use in ALL air handler, heat pump, electric and fossil fuel furnace applications

Features:
- Constant fan (600 RPM) operation optimizes the efficiency of IAQ accessories and reduces air stratification in the home
- Ball bearing
- 80% High efficiency ECM technology
- RPM range: 600–1075
- Quiet operation
- Five pre-programmed speed-torque profiles
- Correct direction of rotation automatically determined by patented auto-rotation capability

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S81-250	6005	5-5/8"	1/2-1/5	115/208-230	1075	5	4.00	80%	1/2"	5"	Rev.	Ball	13.8	**885.00**
S81-251	6010	5-5/8"	1-1/2	115/230	1075	5	11.00/6.70	80%	1/2"	5"	CCW/CW	Ball	20.3	**1099.00**

ECM Replacement Modules


A


B

- ECM Control ONLY Module replacement for Genteq® models X13®, Endura® Pro, and Evergreen® EM motors
- Pre-programmed
- Auto rotation sensing
- Compatible with OEM harness/plugs
- Kit includes control module, control mounting bolts, low voltage harness, motor ID label

Fig.	Order #	Mfg. #	HP	Volts	Each
A	**S59-644**	6103ECTL	1/3	115	**645.00**
A	**S59-645**	6105ECTL	1/2	115	**719.00**
A	**S59-646**	6107ECTL	3/4	115	**795.00**
B	**S59-647**	6110ECTL	1	115	**885.00**
A	**S59-648**	6203ECTL	1/3	230	**645.00**
A	**S59-649**	6205ECTL	1/2	230	**719.00**
A	**S59-650**	6207ECTL	3/4	230	**795.00**
B	**S59-651**	6210ECTL	1	230	**885.00**

Evergreen® Mounting Kits



Order #	Mfg. #	Mounting Centers	Each	3 Lot
S59-771	5K002	9"	**155.00**	**145.00**
S59-429	5K004	11"	**165.00**	**149.00**
S59-430	5K005	13"	**235.00**	**209.00**

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TECHINSPECT Pro Service Tool

- Analyzes GE ECM motors independent of the HVAC system
- Test basic settings of fan-only, heating, cooling and dehumidify and variable Speed
- Detect and isolate motor failures from HVAC system failures

Applications:
- Works on all OEM constant airflow ECM Genteq motors



Order #	Mfg. #	Each
S58-935	GA447	**365.00**

Short Finder Tool

- Locate 3A and 5A shorts in 24VAC circuits
- Auto-resetting
- Trip indication LED
- Includes 18" leads with alligator clips



Order #	Mfg. #	Each
S59-795	ZSPRT	**85.00**

Universal Zebra ECM Motor Testers

- Quickly troubleshoots ECM motor problems
- 3-way position switches test up to 6 speeds
- LEDs indicate power and signals being set
- Includes rugged case and adapter for common GE/Regal Beloit Series 2.0 and 2.3 motors
- UZALL Kit includes UZ-1 Motor Tester and all available motor adapters
- Other adapters sold separately



Order #	Mfg. #	Description	Each
S59-418	UZ-1	Universal ECM Motor Tester	**349.00**
S59-791	UZALL	Universal ECM Motor Tester Kit w/all Adapters	**855.00**

Universal Zebra System Accessories

Order #	Mfg. #	Description	Each
G38-341	UZPH1	Adapter for GENTEQ ECM Series 2.0, 2.3, 2.5 and 3.0	**37.99**
G36-448	UZHMA	Adapter for GE, Regal-Beloit, and GENTEQ Series 1.6, 2.0, and 2.3 ECM Motors	**85.00**
G36-449	UZHMB	Adapter for GE, Regal-Beloit, and GENTEQ Series 3.0 ECM Motors	**85.00**
G38-342	UZPH2	Adapter for X-Motors and X-13	**55.00**
G38-343	UZPH3	Adapter for ECM 142 Motors	**20.99**
G36-450	UZHMC	Adapter for GE, Regal-Beloit, and GENTEQ X-13 and Evergreen 'AH' (but not 'IM') Series ECM Motors; Other Manufacturer's "X-Motors"	**85.00**
G36-451	UZHME	Adapter for GE, Regal-Beloit, and GENTEQ ECM 142 Series Motors (Signal-Controlled ECM Condenser Fan Motors)	**85.00**
G38-344	UZPH4	Adapter for Evergreen 'IM' Series (but not Evergreen 'AH' Series)	**55.00**
G36-452	UZHMF	Adapter for Evergreen 'IM' Series Motors 5 Pin + 4 Pin Plugs (but not Evergreen 'AH' Series)	**85.00**
G36-453	UZEXT	24" Extension/Repair Harness	**41.49**
H27-447	UZACC	Accessories Case	**49.49**

SideWinder Winding Section Analyzer

- Quickly diagnose faulty ECM motors
- Displays faults (shorts or opens) in each phase of winding section
- A second test indicates any shorts between the motor frame and any phase winding
- No external power source needed (includes 9V battery)



Order #	Mfg. #	Description	Each
H28-522	SW-5	SideWinder ECM Motor Winding Section Analyzer	**229.00**
H28-565	ZSWAE	SideWinder Emerson Motor Adapter	**34.49**

Zebra HVAC



Variable Speed Zebra

- Uses simple to operate microprocessor controlled tests
- Accurately diagnoses exactly which component has failed in a variable speed system that isn't working correctly
- Assists in system setup by reporting CFM airflow and motor RPM as room vents and other controls are adjusted
- Allows easy adjustment of all available settings and options on ECM (Variable Speed) blower motors to obtain maximum comfort

Order #	Mfg. #	Each
S59-419	VZ-7	**985.00**

Zebra HVAC



Variable Speed Zebra Accessories

Order #	Mfg. #	Description	Each
S59-421	VZH03	X-13 Motor Adapter Set	**159.00**
S59-425	VZH06	Condenser Unit ECM Fan Motor Adapter Set	**159.00**

Zebra HVAC



ECM Motor Surge Protection and Repair Kits

- Simply "plugs-in", no wiring or splicing on **S59-420**, **S59-423** and **S59-426**
- **S59-420** and **S59-423** are dual-surge motor protectors
- **S59-426** is a circuit board/condensing unit/heat pump protector
- **S59-422** repairs many standard ECM motor modules that have been damaged by voltage problems and power surges
- **S59-792** offers 24V protection
- **S59-793**, **S59-794** offers 120-240V protection

Order #	Mfg. #	Description	Each
S59-792	PRO24	24V Plug-in Surge and Spike Protector	**79.00**
S59-420	VZPRO	Standard (5-pin connector) ECM Motor Protector	**79.00**
S59-793	AZPRO	Azure ECM Motor Surge Protector	**79.00**
S59-794	ENPRO	Encite ECM Motor Surge Protector	**79.00**
S59-423	X13PR	X-13 & Evergreen ECM Motor Protector	**79.00**
S59-426	ZAPPRO	Circuit Board/Condensing Unit/Heat Pump Protector	**79.00**
S59-422	VZREP	ECM Motor Repair Kit	**55.00**

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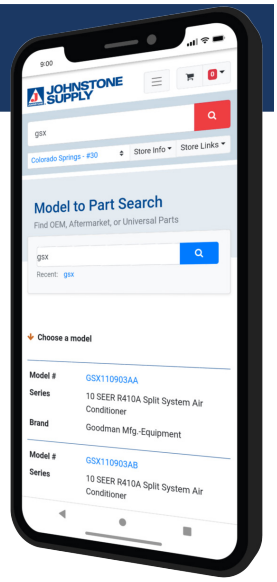

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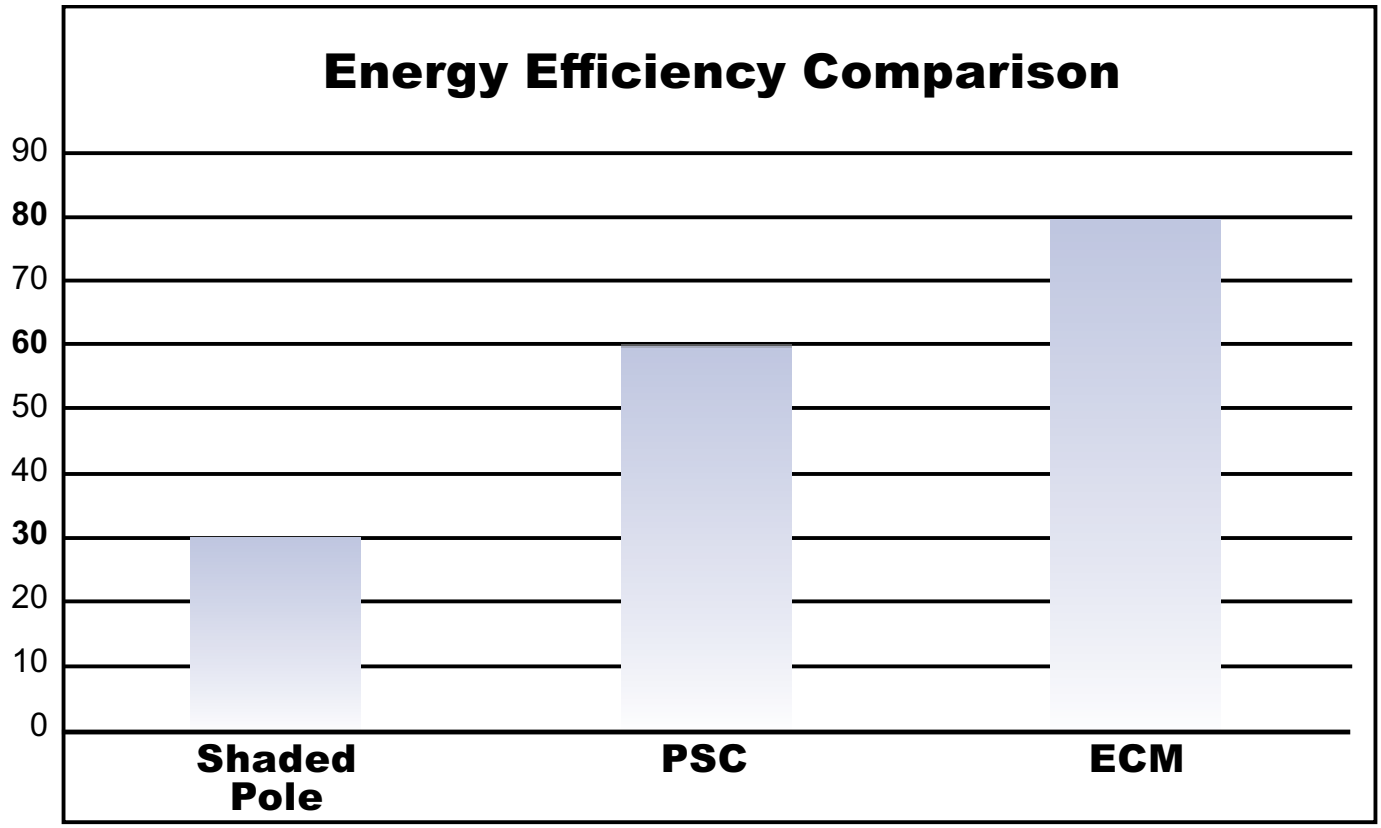
What is an ECM (Electrically Commutated Motor)?

Simply stated, a way to achieve a higher level of motor efficiency. Through the use of built-in internal electronics and a permanent magnetic rotor, the advantages of greater control and efficient operating levels are both achieved. This efficiency is up to 80% in some cases; see the chart below comparing the efficiency levels of Shaded Pole, PSC and ECM.



RSH-20 Motor Protectors

◀ NEW

- UL Recognized
- Thermally fused MOVs
- 5 year product warranty
- 3 Modes of protection: L-G, N-G, L-N
- Plug-n-Play for ease of installation
- Diagnostic LED indicates protection
- 120/240 VAC Type 4CA



Order #	Mfg. #	Description	Each
S59-801 ◀	RSH-20MP-X13	X-13 ECM Motor Protector	**89.00**
S59-802 ◀	RSH-20MP-5P	5-Pin ECM Motor Surge Protector	**89.00**
S59-803 ◀	RSH-20MP-EN	Encite ECM Motor Surge Protector	**89.00**
S59-804 ◀	RSH-20MP-AZ	Azure ECM Motor Surge Protector	**89.00**

Find ALL your X13™ Motors at Johnstone Supply

We have the aftermarket X13™ motor solution for all major brands like Carrier, Rheem, Trane, ICP and other top equipment brands. Find out more at www.JohnstoneSupply.com/ECM



Patriot™ Multi-Horsepower Furnace and Air Handler Direct Drive Blower Motors

PSC, 48 frame, Open Air Over



- Made in the USA

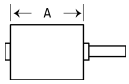
Features:
- Mounted by belly band, flex mount
- Rheem/Ruud® side shell holes, hub rings or the extended studs
- Long life ball bearing
- Class B insulation
- 36" terminated leads

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S81-964	81964	5-5/8"	1/2-1/6	115	1075	4	7.30	67%	1/2"	5.5"	CCWLE RE	SAB	19.7	**539.00**
S81-968	81968	5-5/8"	1/2-1/6	208-230	1075	4	3.60	67%	1/2"	5.5"	CCWLE RE	SAB	16.6	**539.00**

RESCUE® Multi-Horsepower Direct Drive Blower Motors

PSC, 48 Frame, Open Air Over





- Replaces 28 different ratings, with a multitude of mounting options
- Can be mounted by studs (both ends), hub rings, belly band or eight Rheem shell holes

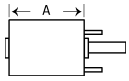
Features:
- Reversible
- All-angle mount
- 36" leads all terminated
- 2.5" diameter hub rings included

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S89-093	5460	5-5/8"	1/2-1/6	115	1075	4	7.30	66%	1/2"	5"	Rev.	4-13/16"	SAB	15.0	G21-891	**359.00**
S89-094	5461	5-5/8"	1/2-1/6	208-230	1075	4	3.60	69%	1/2"	5"	Rev.	4-13/16"	SAB	15.0	G21-891	**365.00**
S89-287	5470	5-5/8"	3/4-1/5	115	1075	4	8.10	71%	1/2"	5"	Rev.	6-1/16"	Ball	22.0	G21-909	**425.00**
S89-288	5471	5-5/8"	3/4-1/5	208-230	1075	4	4.10	70%	1/2"	5"	Rev.	6-1/16"	Ball	21.0	G21-909	**435.00**

MasterFit® Pro Multi-Horsepower Direct Drive Fan and Blower Motors

PSC, 48 Frame, Open Air Over





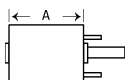
Features:
- All purpose capacitor included
- Automatic thermal protection
- Mounts by belly band, thru-bolts or shell holes
- Extended thru-bolts
- Rheem mounting holes in shell

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S82-122	FD6002A	5-5/8"	1/3-1/8	208-230	825	4	2.10	65%	1/2"	3-1/2"	Rev.	5-1/4"	Slv	12.2	Included	**515.00**
S81-404	FDL6001A	5-5/8"	1/2-1/6	115	1075	4	7.00	65%	1/2"	5"	Rev.	4.86"	Slv	16.8	Included	**289.00**
S81-405	FD6000A	5-5/8"	1/2-1/6	208-230	1075	4	3.90	65%	1/2"	5"	Rev.	4.86"	Slv	16.8	Included	**305.00**
S81-406	FDL6002A	5-5/8"	3/4-1/5	115	1075	4	9.10	65%	1/2"	5"	Rev.	4.86"	Ball	16.9	Included	**359.00**
S81-407	FD6001A	5-5/8"	3/4-1/5	208-230	1075	4	4.00	65%	1/2"	5"	Rev.	4.86"	Ball	16.7	Included	**369.00**

The Consolidator Direct Drive Motors

PSC, 48 Frame, Open Enclosure





- All angle mount
- Stud, hub rings, band, shell hole mount
- Class B insulation
- 40° C ambient temperature
- Capacitor requirement noted on motor label

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S82-540	5492	5-5/8"	1/2-1/6	115	1075	4	7.30	67%	1/2"	5.5"	Rev.	5.3"	SAB	16.0	**309.00**
S82-541	5493	5-5/8"	1/2-1/6	208-230	1075	4	3.60	67%	1/2"	5"	Rev.	5.3"	SAB	16.6	**289.00**

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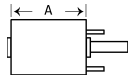
EZ-FIT® Furnace and Air Handler Direct Drive Blower Motors

- For Use in Furnace and Air Handler Direct Drive Blower
- 48 Frame, OAO, 4-speed motor
- 2-1/2" hub rings for base mounting included
- Designed to use with 370V Capacitor
- Mounting: Thru-Bolts, Rheem®† Shell Holes or Belly Band
- Extended Mount Studs
- Automatic Reset Thermal Overload Protector





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S83-113	3312	5-5/8"	3/4-1/5	115	1075	4	8.10-3.10	67%	1/2"	5"	Rev.	6"	Ball	17.0	**499.00**
S83-114	3313	5-5/8"	3/4-1/5	208-230	1075	4	3.80	68%	1/2"	5"	Rev.	6"	Ball	17.0	**565.00**
S83-115	3314	5-5/8"	1/2-1/6	115	1075	4	7.30-2.80	67%	1/2"	5"	Rev.	5-5/16"	SAB	14.0	**405.00**
S83-116	3315	5-5/8"	1/2-1/6	208-230	1075	4	3.60	68%	1/2"	5"	Rev.	5-5/16"	SAB	13.5	**425.00**

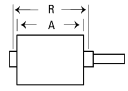
3- and 4-Speed Direct Drive Blower Motors

PSC, 48 Frame, Open Air Over

Applications:
- For direct drive furnace blowers and other air over applications

Features:
- Automatic thermal protection
- 24" line leads, four studs shaft end on 5-1/8" bolt circles
- Sleeve bearing for all angle mounting
- Rotation reversed by electrical connection
- 2-1/2" hub rings for base mounting included
- Capacitor not included





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S89-249	5825	5-5/8"	1/6	115	1075	4	2.20	55%	1/2"	6"	Rev.	4-1/8"	4-5/8"	SAB	11.0	G21-928	**449.00**
S89-250	5826	5-5/8"	1/6	208-230	1075	4	1.10	53%	1/2"	6"	Rev.	3-13/16"	4-3/8"	SAB	11.0	G21-930	**455.00**
S88-544	1863	5-5/8"	1/4	115	1075	3	3.50	59%	1/2"	5"	Rev.	4-1/16"	4-5/8"	SAB	12.0	G21-933	**345.00**
S88-545	1971	5-5/8"	1/4	208-230	1075	3	1.50	59%	1/2"	5"	Rev.	4-1/16"	4-5/8"	SAB	11.0	G21-933	**349.00**
S88-546	1864	5-5/8"	1/3	115	1075	3	5.00	58%	1/2"	5"	Rev.	4-5/16"	4-7/8"	SAB	12.0	G21-933	**345.00**
S88-547	1972	5-5/8"	1/3	208-230	1075	3	1.90	65%	1/2"	5"	Rev.	4-5/16"	4-7/8"	SAB	13.0	G21-933	**359.00**
S88-548	1865	5-5/8"	1/2	115	1075	3	6.50	65%	1/2"	4"	Rev.	5-1/4"	6-3/8"	SAB	19.0	G21-891	**425.00**
S88-549	1973	5-5/8"	1/2	208-230	1075	3	2.90	69%	1/2"	5"	Rev.	4-13/16"	5-3/8"	SAB	19.0	G21-891	**439.00**
S88-560	8904	5-5/8"	3/4	115	1075	3	9.50	66%	1/2"	4"	Rev.	5-3/8"	5-15/16"	SAB	19.0	G21-897	**485.00**
S88-561	8905	5-5/8"	3/4	208-230	1075	3	4.00	72%	1/2"	4"	Rev.	5-3/8"	5-15/16"	SAB	19.0	G21-897	**489.00**
S89-251	8906	5-5/8"	1	115	1075	3	12.10	71%	1/2"	5"	Rev.	6-1/8"	6-5/8"	SAB	20.0	G21-909	**525.00**
S89-252	8907	5-5/8"	1	208-230	1075	3	5.20	73%	1/2"	5"	Rev.	6-1/8"	6-5/8"	SAB	21.0	G21-909	**545.00**

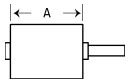
Masterfit® Pro Multi-Horsepower Motors

PSC, 48Y Frame, Open Air Over

Applications:
- 277V light commercial VAV blower and furnace replacement motors

Features:
- Automatic thermal protection
- All purpose capacitor included
- Extended thru bolts
- Rheem mounting holes in shell
- Resilient rings

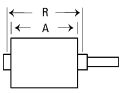




Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S81-867	7FD6000A	5-5/8"	1/2 - 1/6	277	1075	4	3.30 - 1.00	65%	1/2"	5"	Rev.	4.86	Slv	15.5	Included	**475.00**
S81-868	7FD6001A	5-5/8"	3/4 - 1/5	277	1075	4	3.60 - 1.00	65%	1/2"	5"	Rev.	4.86	Ball	16.2	Included	**559.00**

DIRECT DRIVE MOTORS
48 Frame Permanent Split Capacitor





1625 RPM Direct Drive Blower Motors
PSC, 48 Frame, Open Air Over

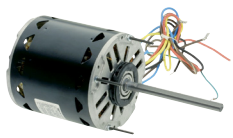
Applications:
- Designed as replacements for direct drive furnace blower motors, air conditioners, exhaust fans and other applications where the motor is located in the airstream

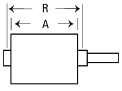
Features:
- Automatic thermal protection
- 3-speed
- Electrically reversible rotation
- Sleeve bearing
- Capacitor not included

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S89-108	1690	5-5/8"	1/4	115	1625	3	2.70	67%	1/2"	5"	Rev.	4-5/16"	4-7/8"	SAB	13.0	G21-891	**505.00**
S89-110	1692	5-5/8"	1/3	115	1625	3	3.70	69%	1/2"	5"	Rev.	4-9/16"	5-1/8"	SAB	13.0	G21-897	**719.00**
S89-111	1693	5-5/8"	1/3	208-230	1625	3	2.10	64%	1/2"	5"	Rev.	4-9/16"	5-1/8"	SAB	13.0	G21-930	**735.00**
S89-112	1694	5-5/8"	1/2	115	1625	3	5.50	71%	1/2"	5"	Rev.	5-5/16"	5-7/8"	SAB	17.0	G21-897	**765.00**
S89-113	1695	5-5/8"	1/2	208-230	1625	3	3.00	72%	1/2"	5"	Rev.	5-5/16"	5-7/8"	SAB	17.0	G21-933	**785.00**
S89-114	1696	5-5/8"	3/4	115	1625	3	8.60	71%	1/2"	5"	Rev.	5-5/16"	5-7/8"	SAB	20.0	G21-897	**815.00**
S89-115	1697	5-5/8"	3/4	208-230	1625	3	4.00	73%	1/2"	5"	Rev.	5-5/16"	5-7/8"	SAB	18.0	G21-891	**835.00**

Helpful Hints for Replacing a PSC Motor

- Always check the capacitor before replacing a permanent split capacitor motor
- Before dismantling, scratch an arrow on the case of the bad motor indicating direction of rotation
- Matching ampere rating is usually more accurate than matching horsepower for fractional horsepower motors
- An overloaded motor always runs hot and slow, and draws more than nameplate amps Reading the motor current draw with an ampere meter is the most accurate method of identifying an incorrect replacement
- Green is always the ground wire





3-Speed Direct Drive Motors
PSC, 48 Frame, Open Air Over

- **S88-436** replaces Fasco #D712
- **S88-437** replaces Fasco #D711 and may also be used as a condenser fan motor using **S58-215** drip shield

Applications:
- Replaces motors used in the higher tonage gas and electric furnaces

Features:
- All-angle ball bearings
- Class B insulation, 40°C ambient
- Includes two 2-1/4" mounting rings with two 2-1/2" mounting adapters
- Rotation is plug reversible
- Both motors use 20M370V capacitor (**G21-909**, not included)

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-436	BDL1106	5-5/8"	1	115	1075	3	12.30	65%	1/2"	6-3/8"	Rev.	5-13/16"	6-3/8"	Ball	20.7	G21-909	**835.00**
S88-437	BD1106	5-5/8"	1	208-230	1075	3	5.10	65%	1/2"	6-3/8"	Rev.	5-9/16"	6-1/16"	Ball	19.7	G21-909	**845.00**

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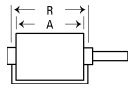
3-Speed and 4-Speed Direct Drive Blower Motors

PSC, 48 Frame, Open Air Over

Applications:
- Ideal replacements for blowers in direct drive furnaces, air conditioners and exhaust fans

Features:
- Automatic thermal protection
- Extended tie rods shaft end
- Mounting hubs both ends
- Capacitor not included





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-902	D721	5-5/8"	1/4-1/6	115	1075	3	4.80	65%	1/2"	6"	Rev.	4"	4-9/16"	Slv	15.0	G21-930	**285.00**
S88-906	D725	5-5/8"	1/4-1/8	208-230	1075	3	2.20	65%	1/2"	6"	Rev.	4"	4-9/16"	Slv	15.0	G21-930	**279.00**
S88-903	D727	5-5/8"	1/3-1/5	115	1075	3	5.90	65%	1/2"	6"	Rev.	4-1/2"	4-13/16"	Slv	14.0	G21-930	**279.00**
S88-907	D923	5-5/8"	1/3-1/5	208-230	1075	3	2.90	65%	1/2"	6"	Rev.	4-1/4"	4-13/16"	Slv	13.0	G21-930	**285.00**
S88-904	D701	5-5/8"	1/2-1/5	115	1075	4	7.70	65%	1/2"	5-1/2"	Rev.	5-1/4"	5-13/16"	Slv	18.0	G21-891	**315.00**
S88-908	D703	5-5/8"	1/2-1/4	208-230	1075	3	4.20	65%	1/2"	6"	Rev.	5"	5-9/16"	Slv	18.0	G21-933	**329.00**
S88-905	D728	5-5/8"	3/4-1/3	115	1075	3	10.50	65%	1/2"	6"	Rev.	5-1/2"	6-1/16"	Slv	20.0	G21-891	**395.00**
S88-909	D729	5-5/8"	3/4-1/3	208-230	1075	3	5.40	65%	1/2"	6"	Rev.	5-1/2"	6-1/16"	Slv	21.0	G21-891	**389.00**

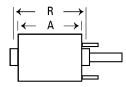
3-Speed Direct Drive Blower Motors

PSC, 48 Frame, Open Air Over

Applications:
- Designed as replacements for direct drive furnace blower motors, air conditioners, exhaust fans and other applications

Features:
- Automatic thermal protection
- Reversible rotation
- Horizontal mount
- 2-1/4" resilient rings
- 26" long leads with 1/4" straight terminals
- 1/2" x 4" long flatted shaft with flat 3-1/2" long
- 3/4" long studs on 5.12" bolt circle, #10-32 thread on shaft end





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-524	048A17O152	5-5/8"	1/4	115	1625	3	2.90	—	1/2"	4"	Rev.	4-1/2"	4-13/16"	Ball	12.0	G21-933	**449.00**
S87-976	048A11O1798	5-5/8"	1/4	115	1075	3	3.40	55%	1/2"	4"	Rev.	4-1/4"	4-9/16"	Ball	12.0	G21-933	**349.00**
S88-525	X014	5-5/8"	1/4	208-230	1625	3	1.80	—	1/2"	4"	Rev.	4-1/4"	4-9/16"	Ball	11.0	G21-930	**439.00**
S88-526	048A17O151	5-5/8"	1/3	115	1625	3	4.00	—	1/2"	4"	Rev.	4-3/4"	5-1/16"	Ball	14.0	G21-933	**459.00**
S87-978	048A11O1769	5-5/8"	1/3	115	1075	3	4.60	57%	1/2"	4"	Rev.	4-3/4"	5-13/16"	Ball	14.0	G21-933	**335.00**
S87-979	048A11O2042	5-5/8"	1/3	208-230	1075	3	3.30	—	1/2"	4"	Rev.	4-3/4"	5-1/16"	Ball	14.0	G21-930	**395.00**
S88-527	048A17O153	5-5/8"	1/2	115	1625	3	5.00	—	1/2"	4"	Rev.	5-1/4"	5-9/16"	Ball	16.0	G21-897	**509.00**
S87-980	048A11O1755	5-5/8"	1/2	115	1075	3	6.20	—	1/2"	4"	Rev.	5-1/4"	5-9/16"	Ball	17.0	G21-891	**369.00**
S88-528	048A17O155	5-5/8"	1/2	208-230	1625	3	4.10	—	1/2"	4"	Rev.	5-1/4"	5-9/16"	Ball	16.0	G21-930	**535.00**
S87-981	048A11O1756	5-5/8"	1/2	208-230	1075	3	2.65	74%	1/2"	4"	Rev.	5-1/4"	5-9/16"	Ball	17.0	G21-933	**405.00**
S88-250	048A11O787	5-5/8"	3/4	115	1075	3	10.20	—	1/2"	4"	Rev.	5-3/4"	6-1/16"	Slv	20.0	G21-897	**485.00**
S88-251	048A11O2046	5-5/8"	3/4	208-230	1075	3	5.60	—	1/2"	4"	Rev.	5-1/2"	5-13/16"	Ball	19.0	G21-891	**499.00**

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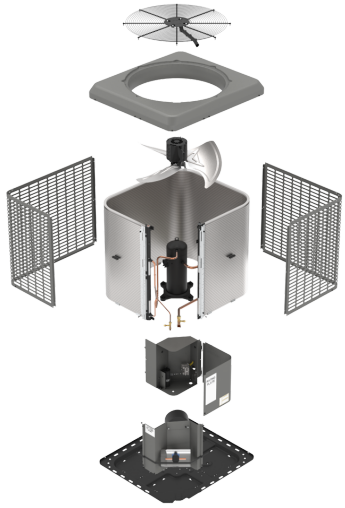
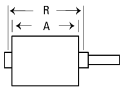


DIRECT DRIVE MOTORS
48 Frame Permanent Split Capacitor

Century®





3-Speed Direct Drive Blower Motors
PSC, 48 Frame, Open Air Over

Applications:
- Designed as replacements for direct drive furnaces, air conditioners, exhaust fans, etc.

Features:
- Automatic thermal protection
- Reversible rotation
- Resilient rings included

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S80-340	7FD1016	5-5/8"	1/6	277	1075	3	0.90	65%	1/2"	6-7/16"	Rev.	3-3/4"	4-5/16"	Slv	10.3	G21-930	**445.00**
S82-395	FDL1016	5-5/8"	1/6	115	1075	3	2.50	65%	1/2"	1-3/5"	Rev.	3-7/8"	—	Slv	11.0	G21-933	**309.00**
S88-537	DL1026	5-5/8"	1/4	115	1075	3	3.50	60%	1/2"	4-1/2"	Rev.	4-1/16"	4-5/8"	Slv	11.2	G21-930	**275.00**
S88-540	D1026	5-5/8"	1/4	208-230	1075	3	1.80	60%	1/2"	4-1/2"	Rev.	4-1/16"	4-5/8"	Slv	11.0	G21-930	**285.00**
S80-341	7FD1026	5-5/8"	1/4	277	1075	3	1.60	65%	1/2"	6-7/16"	Rev.	3-7/8"	4-7/16"	Slv	11.4	G21-930	**445.00**
S82-396	FDL1034	5-5/8"	1/3	115	1625	3	4.00	65%	1/2"	1-3/5"	Rev.	3-7/8"	—	Slv	14.0	G21-897	**425.00**
S88-538	DL1036	5-5/8"	1/3	115	1075	3	4.90	60%	1/2"	4-11/16"	Rev.	4-5/16"	4-7/8"	Slv	12.8	G21-933	**295.00**
S83-461	454A	5-5/8"	1/3,1/4,1/6	208-230	1625	3	2.10,1.20,0.90	—	1/2"	5.48"	Rev.	—	—	Ball	19.0	G21-930	**625.00**
S88-541	D1036	5-5/8"	1/3	208-230	1075	3	2.60	60%	1/2"	4-1/2"	Rev.	4-5/16"	4-7/8"	Slv	12.9	G21-930	**295.00**
S80-342	7FD1036	5-5/8"	1/3	277	1075	3	2.10	65%	1/2"	6-7/16"	Rev.	4-1/2"	5-1/16"	Slv	14.5	G21-933	**475.00**
S82-397	FDL1054	5-5/8"	1/2	115	1625	3	7.60	65%	1/2"	1-3/5"	Rev.	5-1/8"	—	Slv	16.0	G21-897	**749.00**
S88-539	DL1056	5-5/8"	1/2	115	1075	3	7.10	60%	1/2"	4-1/2"	Rev.	4-13/16"	5-3/8"	Slv	15.5	G21-891	**345.00**
S82-394	FD1054	5-5/8"	1/2	208-230	1625	3	2.80	65%	1/2"	1-3/5"	Rev.	5-1/8"	—	Slv	15.8	G21-933	**559.00**
S88-542	D1056	5-5/8"	1/2	208-230	1075	3	3.20	60%	1/2"	4-1/2"	Rev.	4-13/16"	5-3/8"	Slv	14.9	G21-933	**355.00**
S80-343	7FD1056	5-5/8"	1/2	277	1075	3	2.20	65%	1/2"	6-7/16"	Rev.	5-3/8"	5-15/16"	Slv	18.1	G21-891	**519.00**
S88-881	DL1076	5-5/8"	3/4	115	1075	3	9.50	60%	1/2"	4-1/2"	Rev.	5-5/8"	6-5/16"	Slv	18.8	G21-897	**369.00**
S88-882	D1076	5-5/8"	3/4	208-230	1075	3	4.00	60%	1/2"	4-1/2"	Rev.	5-5/8"	6-5/16"	Slv	18.0	G21-891	**399.00**
S82-383	150A	5-5/8"	3/4	208-230	1075	3	4.70	60%	1/2"	.98"	Rev.	5-1/2"	—	Ball	19.3	G21-891	**735.00**
S80-344	9605A	5-5/8"	3/4	277	1075	3	3.90	60%	1/2"	6-7/16"	Rev.	5-1/2"	6 "	Slv	17.5	G21-909	**649.00**
S89-870	BDH1106	5-5/8"	1	460	1100	3	3.20	65%	1/2"	6-7/16"	Rev.	5-7/8"	6-7/16"	Ball	21.5	G21-897	**1145.00**

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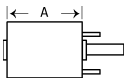
A



B



Direct Drive Blower Motors
PSC, 48 Frame, Open Air Over

Applications:
- Window air conditioners
- Fans and blowers

Features:
- Automatic thermal protection
- Electrically reversible rotation
- All-angle
- Sleeve bearing
- Open construction

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
A	**S89-428**	D895	5-5/8"	1/8	208-230	1650	1	0.80	65%	1/2"	1-1/2"	Rev.	3-1/2"	Slv	8.5	G21-928	**475.00**
B	**S89-424**	D783	5-5/8"	1/4	208-230	1625	1	1.50	65%	1/2"	6"	Rev.	4"	Slv	12.0	G21-930	**439.00**
B	**S88-860**	D787	5-5/8"	1/3	208-230	1625	1	2.30	65%	1/2"	7"	Rev.	4-1/4"	Slv	13.0	G21-930	**539.00**
B	**S89-427**	D788	5-5/8"	1/2	208-230	1625	1	3.90	65%	1/2"	6"	Rev.	5"	Slv	15.5	G21-930	**675.00**

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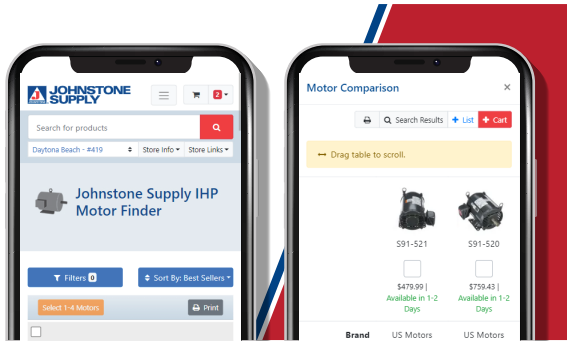

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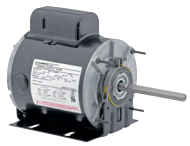
Heavy-Duty, Multi-Purpose Direct Drive Motors

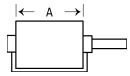
PSC, 48 Frame, Totally Enclosed Air Over

- Replace Motors Used in Dirty, Dusty Environments

Applications:
- Unit heaters, hot house fans, agricultural fans for chicken, cow and hog houses, condenser fan motors and furnace blower motors

Features:
- Automatic thermal protection
- Capacitor included
- Single-speed
- All-angle mount
- 5/8" shaft adapter included, class B insulation
- 60°C ambient
- Electrically reversible rotation





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
Resilient Base																
S88-832	767A	5-5/8"	1/4	115/230	1725	1	3.00	65%	1/2"	4-1/2"	Rev.	6-3/4"	Ball	19.4	Included	**999.00**
S88-825	731A	5-5/8"	1/4	115/208-230	1140	1	3.10	65%	1/2"	4-1/2"	Rev.	6-1/4"	Ball	17.2	Included	**845.00**
S88-833	768A	5-5/8"	1/3	115/230	1725	1	2.90	65%	1/2"	4-1/2"	Rev.	6-3/4"	Ball	17.9	Included	**1045.00**
S88-826	732A	5-5/8"	1/3	115/208-230	1140	1	3.30	65%	1/2"	4-1/2"	Rev.	6-1/2"	Ball	28.0	Included	**895.00**
S88-827	733A	5-5/8"	1/2	115/208-230	1140	1	5.60	65%	1/2"	4-1/2"	Rev.	7-1/4"	Ball	19.3	Included	**959.00**

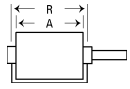
Unit Heater Motors

PSC, 48 Frame, Totally Enclosed Air Over

Applications:
- Replaces unit heater motors on Reznor, Modine, Trane, Carrier and others

Features:
- Automatic thermal protection
- Four extended studs shaft end 1" long
- 18" leads
- Base and capacitor included
- Electrically reversible rotation





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Each
S88-066	048A17T72	5-5/8"	1/6	115	1625	1	2.20	65%	1/2"	2-3/4"	Rev.	5-1/4"	5-3/4"	Slv	13.0	**489.00**
S88-067	048A11T199	5-5/8"	1/6	115	1075	1	3.00	55%	1/2"	2-3/4"	Rev.	4-3/4"	5-1/4"	Ball	12.0	**495.00**
S88-068	048A11T198	5-5/8"	1/4	115	1075	1	4.10	65%	1/2"	2-3/4"	Rev.	4-3/4"	5-1/4"	Ball	14.0	**519.00**
S88-069	048A11T201	5-5/8"	1/3	115	1075	1	6.50	70%	1/2"	2-3/4"	Rev.	6"	6-1/2"	Ball	21.0	**535.00**

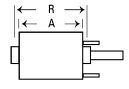
Direct Drive Unit Heater Motors

PSC, 48 Frame, Totally Enclosed Air Over

Applications:
- Designed as replacements for direct drive furnace motors and other applications where the motor is located in the airstream

Features:
- Automatic thermal protection
- Capacitor included
- Ball bearing
- Motor rotation can be easily changed with reversing plug or quick connects
- Continuous duty, air over
- #8-32 mounting studs included





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S89-013	9034	5-5/8"	1/6	115	1075	1	2.60	51%	1/2"	2-1/2"	Rev.	4-5/16"	4-7/8"	Ball	12.0	G21-928	**609.00**
S89-014	9035	5-5/8"	1/4	115	1075	1	3.60	63%	1/2"	2-1/2"	Rev.	5-1/8"	5-13/16"	Ball	15.0	G21-930	**729.00**
S89-015	9036	5-5/8"	1/3	115	1075	1	5.10	63%	1/2"	2-1/2"	Rev.	5-1/8"	5-13/16"	Ball	15.0	G21-928	**739.00**

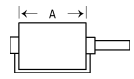
Flex Mount Direct Drive Motors 3- and 4-Speed

PSC, 48 Frame, Open Air Over

- Fits 9" or 10" Diameter Mounting

Features:
- Automatic thermal protection
- Reversible rotation
- Shaft: 1/2" x 6" long
- Leads: all 26" long
- Lugs: three, 120° apart
- Capacitor not included





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-367	FML1026	5-5/8"	1/4	115	1075	3	3.50	65%	1/2"	6"	Rev.	4-1/16"	Slv	13.7	G21-933	**589.00**
S88-368	FM1026	5-5/8"	1/4	208-230	1075	3	1.40	65%	1/2"	6"	Rev.	4-1/16"	Slv	12.4	G21-930	**625.00**
S88-369	FML1036	5-5/8"	1/3	115	1075	3	6.00	65%	1/2"	6"	Rev.	4-9/16"	Slv	16.0	G21-891	**625.00**
S88-370	FM1036	5-5/8"	1/3	208-230	1075	3	2.70	65%	1/2"	6"	Rev.	4-9/16"	Slv	13.2	G21-933	**659.00**
S88-371	FML1056	5-5/8"	1/2	115	1075	3	8.00	65%	1/2"	6"	Rev.	5-1/16"	Slv	16.4	G21-891	**705.00**
S88-372	FM1056	5-5/8"	1/2	208-230	1075	3	3.40	65%	1/2"	6"	Rev.	5-1/16"	Slv	16.7	G21-891	**745.00**
S88-373	FML1076V1	5-5/8"	3/4	115	1075	4	10.90	65%	1/2"	6"	Rev.	5-5/16"	Slv	20.0	G21-897	**1045.00**

DIRECT DRIVE MOTORS
48 Frame Permanent Split Capacitor

Flex Mount Direct Drive Motors
PSC, 48 Frame, Open Air Over



Features:
- Automatic thermal protection
- Electrically reversible

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Bearing Type	Wt. Lbs.	Each	3 Lot
S81-710	43783	5-5/8"	1/4	115	1075	4	3.60	1/2"	6"	Slv	13.2	**465.00**	**439.00**
S81-707	43784	5-5/8"	1/4	208-230	1075	4	1.80-2.00	1/2"	6"	Slv	12.8	**455.00**	**435.00**
S81-708	43785	5-5/8"	1/3	115	1075	4	4.80	1/2"	6"	Slv	14.8	**445.00**	**419.00**
S81-705	43786	5-5/8"	1/3	208-230	1075	4	2.30-2.60	1/2"	6"	Slv	14.5	**459.00**	**439.00**
S81-706	43787	5-5/8"	1/2	115	1075	4	8.00	1/2"	6"	Slv	17.8	**525.00**	**495.00**
S81-709	43788	5-5/8"	1/2	208-230	1075	4	3.30-4.00	1/2"	6"	Slv	17.6	**569.00**	**539.00**
S82-245	43789	5-5/8"	3/4	115	1075	3	9.00	1/2"	5"	Slv	11.7	**629.00**	**599.00**
S82-246	43790	5-5/8"	3/4	208-230	1075	3	4.50	1/2"	5"	Slv	18.7	**689.00**	**655.00**

Direct Drive Ventilation Blower Motors
PSC, 48 Frame, Open Air Over



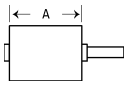
Applications:
- Designed to meet manufacturer's requirements for direct drive ventilation units

Features:
- Automatic thermal protection
- Capacitor included and mounted
- Continuous duty

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S80-215	4745	5-5/8"	1/3	115	1650	1	4.00	70%	1/2"	3-1/4"	CCWLE RE	Ball	14.0	Included	**635.00**
S80-216	4748	5-5/8"	1/2	115/230	1650	1	8.00	74%	5/8"	3-1/4"	CWLE RE	Ball	18.0	Included	**795.00**
S80-217	4750	5-5/8"	3/4	115/230	1100	1	10.00	73%	5/8"	3-1/4"	CWLE	Ball	24.0	Included	**895.00**

Single-Speed Blower Motors
PSC, 48Y Frame, Open Air Over



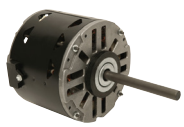


Applications:
- Single-speed PSC motors designed to replace shaded pole motors for direct drive furnace blowers, air conditioners, blowers, etc.

Features:
- Automatic thermal protection
- Capacitor leads include 1/4" terminals
- 2-1/4" diameter resilient rings with expanders for 2-1/2" diameter
- Horizontal mount only; not suitable for vertical mounting
- Rotation: electrically reversible
- Capacitor not included

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-338	X475	5-5/8"	1/6	230	1550	1	1.30	65%	1/2"	4"	Rev.	4"	4-1/2"	Ball	10.0	G21-930	**415.00**
S88-339	048A17O124	5-5/8"	1/4	230	1625	1	1.80	65%	1/2"	4"	Rev.	4-1/4"	4-3/4"	Ball	10.0	G21-930	**449.00**

Blower Motor
PSC, 48 Frame, Open Air Over



- Internally Mounted Capacitor Included

Applications:
- Replacements for shaded pole direct drive fans and furnace blowers

Features:
- Automatic thermal protection
- 2-1/2" rings for resilient mounting
- Internally mounted capacitor simplifies wiring

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S88-425	FSP4006S	5-5/8"	1/8	115	1050	1	2.40	65%	1/2"	5-7/16"	CWSE	4-3/8"	Slv	8.8	**505.00**

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Belt Drive Fan Motors

Split Phase, 48 Frame, Open Dripproof

Applications:
- Replacements for furnace blowers, belt driven fans, air coolers and similar applications with moderate torque requirements

Features:
- Automatic thermal protection
- Continuous duty
- All-angle mounting
- 40°C rise
- Reversible rotation
- Resilient base included
- Not recommended where automatic reset creates a hazard



Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S87-627	8000	5-5/8"	1/4	115	1725	1	5.30	51%	1/2"	1-1/2"	Rev.	Ball	13.0	**329.00**
S87-628	8100	5-5/8"	1/3	115	1725	1	6.70	57%	1/2"	1-1/2"	Rev.	Ball	15.0	**369.00**
S87-629	8200	5-5/8"	1/2	115	1725	1	8.70	66%	1/2"	1-1/2"	Rev.	Ball	18.0	**455.00**

Belt Drive Fan and Blower Motors

Split Phase, 48/56 Frame, Open Dripproof

Features:
- Automatic reset overload protection
- 2-1/2" resilient rings
- All-angle bearings
- 1/2"–5/8" diameter shaft adapter included
- Continuous duty, 40°C ambient
- CCW/CW electrically reversible rotation
- Fig. A slotted frame, base included: fits 48 and 56 frame mount
- Fig. B length adjustable, base not included: 1-1/2" splined hub (OSE) for adjustable mounting



A



B

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
With Resilient Base														
A	**S88-720**	5KH39QN5512T	5-5/8"	1/4	115	1725	1	5.10	1/2"	1-1/2"	Rev.	Ball	11.6	**395.00**
A	**S82-195**	048S17D2087	5-5/8"	1/2	115	1725	1	7.90	1/2"	1-1/2"	Rev.	Slv	19.0	**639.00**
With Resilient Rings														
B	**S88-723**	5KH39QN9725T	5-5/8"	1/4	115	1725	1	5.00	1/2"	1-1/2"	Rev.	Ball	11.7	**455.00**
B	**S88-724**	5KH39QN9696X	5-5/8"	1/3	115	1725	1	5.80	1/2"	1-1/2"	Rev.	Ball	14.5	**415.00**
B	**S88-725**	4732	5-5/8"	1/2	115	1725	1	7.90	1/2"	1-1/2"	Rev.	Ball	17.1	**545.00**

Furnace Blower and Fan Duty Motors

Split Phase, 48 Frame, Dripproof

Features:
- Automatic thermal protection
- Low starting amps
- All-angle sleeve bearing
- Resilient mounting furnished
- 40°C ambient
- Continuous duty
- Reversible rotation
- 60 Hz
- Class A insulation
- Not recommended where automatic reset creates a hazard



Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S87-872	048S17D2017	5-5/8"	1/6	115	1725	1	3.60	—	1/2"	1-1/2"	Rev.	Slv	12.0	**405.00**
S87-876	5KH35JN26X	5-5/8"	1/3	230	1725	1	3.10	—	1/2"	1-1/2"	Rev.	Ball	14.0	**515.00**
S87-879	048S17D2088	5-5/8"	1/2	230	1725	1	3.60	66%	1/2"	1-1/2"	Rev.	Slv	19.0	**685.00**

Belt Drive Fan Motors

Split Phase, 56 Frame, Open Dripproof

Applications:
- Sleeve bearing motor replacements for furnace blowers, belt driven fans, air coolers and similar applications with moderate torque requirements

Features:
- Automatic thermal protection
- Continuous duty
- All-angle mounting
- 40°C rise
- Reversible rotation
- Complete with resilient base
- Not recommended where automatic reset creates a hazard



Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S89-656	4114	6-3/10"	1/2	115/230	1725	1	8.00	68%	5/8"	1-9/10"	Rev.	SAB	22.0	**1299.00**
S88-297	4115	6-3/10"	3/4	115/230	1725	1	11.20	70%	5/8"	1-9/10"	Rev.	SAB	24.0	**1345.00**

marathon Motors



Furnace Blower and Fan Duty Belt Drive Motor
Split-Phase, 56 Frame, Dripproof

Features:
- Automatic thermal protection
- Low starting amps
- Resilient mounting furnished
- 40°C ambient
- Continuous duty
- Reversible rotation
- High Service Factors
- 60 Hz
- Class A insulation
- Not recommended where automatic reset creates a hazard

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S87-878	056S17D2050	6-3/10"	1/2	115	1725	1	7.20	5/8"	1-7/8"	Rev.	Ball	20.0	**685.00**



Belt Drive Fan and Blower Motor
Capacitor Start, 48 Frame, Open Dripproof

Applications:
- Widely used for rooftop heating and air conditioning units

Features:
- Automatic thermal protection
- Reversible
- Sleeve bearing
- Capacitor and base included
- Flatted shaft with 5/8" adapter

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S88-065	430	5-5/8"	3/4	115/208-230	3450	1	9.20	73%	1/2"	1-1/2"	Rev.	SAB	22.0	**1045.00**



2-Speed Belt Drive Fan and Blower Motors
Split Phase, 56 Frame, Open Dripproof

- **S87-774** is 56Z frame and has flatted shaft, **S87-775** has keyed shaft

Features:
- No thermal protection
- Reversible rotation
- Continuous duty
- 60 Hz
- 40°C rise
- Resilient base for all-angle mounting
- Extended thru-bolts on shaft end
- 1.0 Service Factor

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S87-774	3053	6-3/10"	1/3-1/9	115	1800	2	7.10	61%	1/2"	1-1/2"	Rev.	SAB	19.0	**1099.00**
S87-775	3306	6-3/10"	1/2-1/6	115	1800	2	9.20	58%	5/8"	1-7/8"	Rev.	SAB	26.0	**1299.00**



Single-Speed Belt Drive Fan and Blower Motor
Capacitor Start, 56 Frame, Open Dripproof

Applications:
- Widely used for rooftop heating and air conditioning units

Features:
- Automatic thermal protection
- Reversible rotation
- Capacitor and base included

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S89-657	1769	6-3/10"	1	115/208-230	1725	1	14.00	74%	5/8"	1-9/10"	Rev.	SAB	30.0	**1299.00**

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Multifit™ Multi-Horsepower Motors

PSC, 42 Frame, Totally Enclosed Air Over

- Replaces 4.42 BC Emerson clam-shell, GE cap can, 4.62BC A.O Smith/ Westinghouse, Emerson 42 frame, 4.33BC GE 42 frame, and Fasco 42 frame

Features:

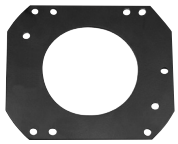
- Multiple mounting configurations with removable studs providing 3 bolt circles
- Includes water resistant rubber grommets for lead openings
- Reversible rotation
- 36" leads
- Double sealed ball bearings



Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
60° Ambient															
S80-338	9722	5"	1/8-1/12	208-230	1075	1	0.90	65%	1/2"	3"	Rev.	Dbl-Sld Ball	9.8	G21-930	**345.00**
S80-339	9723	5"	1/4-1/6	208-230	1075	1	2.00	65%	1/2"	3"	Rev.	Dbl-Sld Ball	12.0	G21-933	**365.00**
S80-371	9724	5"	1/4-1/6	208-230	1625	1	1.60	65%	1/2"	3"	Rev.	Dbl-Sld Ball	11.1	G21-930	**359.00**
70° Ambient															
S83-486	9722F	5"	1/8-1/12	208-230	1075	1	0.75	65%	1/2"	3"	Rev.	Ball	10.0	—	**355.00**
S83-487	9723F	5"	1/4-1/6	208-230	1075	1	2.20	65%	1/2"	3"	Rev.	Ball	14.0	—	**375.00**
S83-488	9724F	5"	1/4-1/6	208-230	1625	1	1.40	65%	1/2"	3"	Rev.	Ball	11.0	—	**375.00**

Multifit™ Adapter Plate

- Adapts to a 48 Frame 5.12BC or 42 Frame 3-point 4.42BC



Order #	Mfg. #	For Use With	Each
S59-427	2118	S80-338, S80-339 and S80-371	**27.99**

Help Johnstone Supply Help You With Your Motor Replacement Needs

Provide the following information for more accurate motor replacement:

1. Before dismantling, scratch an arrow on the case of the motor indicating direction of rotation.
2. Note the voltage. Often, it is not indicated on the nameplate.
3. Note the number of speeds.
4. Note the type of motor: Permanent split capacitor (PSC) or shaded pole.
5. Note the shaft diameter.
6. Note the capacitor size if a PSC motor.
7. Provide all nameplate data:
   a. Horsepower
   b. Amps
   c. RPM

Condenser Fan Motors

PSC, 42 Frame, Open Air Over

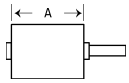
Applications:

- For replacing horizontal, base mounted condenser fan motors

Features:

- Automatic thermal protector, sleeve bearing
- Continuous duty, air over





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S81-169	721P	5"	1/10	115/230	1550	1	2.60	40%	1/2"	2-5/8"	CWLE	3-13/16"	SAB	9.0	**895.00**
S81-168	722P	5"	1/6	115/230	1550	1	2.70	54%	1/2"	2-7/16"	CWLE	3-13/16"	SAB	11.0	**865.00**

CONDENSER FAN MOTORS
48 Frame ECM Motors

Evergreen® ECM Outdoor Condenser Fan Motor

NEW

ECM, 48 Frame, Totally Enclosed Air Over

- 80% efficient
- 2-speed taps, one for 1100RPM tone for 850RPM, which means it replaces a 6-pole PSC and an 8-pole PSC in one motor
- Electrically reversible
- For residential use


A


B


C

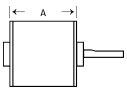
Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
A	**S82-490**	6303	5-5/8"	1/3	208-230	1100/850	2	3.50	80%	1/2"	3"	Rev.	Ball	13.0	**685.00**
B	**S83-306**	6303R	5-5/8"	1/3	208-230	1100/850	2	3.50	80%	1/2"	3"	Rev.	Ball	13.0	**715.00**
C	**S83-821** ◀	6303S	5-5/8"	1/3	208-230	1100/850	2	3.50	80%	1/2"	3"	Rev.	Ball	—	**475.00**

RESCUE EcoTech® Condenser Fan Motors

ECM, 48 or 56 Frame, Totally Enclosed Air Over


A


B



- **S82-764** and **S83-361** are 48 frame and replace 6- and 8-pole motors
- Line-voltage starting motor with 2 speeds
- Second speed adjustment use a 24V speed tap
- Rotation adjustment use a 24V rotation tap
- High 60°C max ambient operating temperature
- **S83-359** and **S83-360** are 56 frame for use in commercial refrigeration condensers
- ECM technology lowers energy usage, especially at partial output and integrates easily into existing air-cooled condenser designs

Specifications:

- **S82-764** mounts vertical, shaft down
- **S83-361** mounts vertical, shaft up

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
48 Frame															
A	**S82-764**	5561EO	5-5/8"	1/3	208-230	1200	2.50	Up to 75%	1/2"	4-1/2"	Rev.	5.625"	Ball	11.0	**829.00**
A	**S83-361**	5562EO	5-5/8"	1/3	208-230	1200	2.50	Up to 75%	1/2"	4-1/2"	Rev.	6.366"	Ball	10.0	**825.00**
56 Frame															
B	**S83-359**	6361EO	6-1/2"	2-1/2	208-230	300-1200	6.50-5.80	85%	5/8"	3.35"	Rev.	—	Ball	45.0	**3299.00**
B	**S83-360**	6362EO	6-1/2"	2-1/4	460	300-1200	2.70	85%	5/8"	3.35"	Rev.	—	Ball	56.0	**3499.00**

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HeatMaster™ Ultra 80°C Ambient Condenser Fan Motors

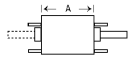
PSC, 48 Frame, Totally Enclosed Air Over

Applications:
- For use with head pressure/speed controls

Features:
- Automatic thermal protection
- Three-Year Warranty
- UL and CSA approved Class F Insulation achieves superior dielectric strength for long thermal life
- Double sealed ball bearing with high temperature synthetic grease
- Water-resistant reversing plug
- 48" color coded high temperature leads for easy identification and installation
- Mounts by belly band, adjustable extended thru-bolts, or Rheem/Trane mounting holes, with screws supplied

Century® HeatMaster®





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
825 RPM																
S82-023	FE1028SU	5-5/8"	1/4	208-230	825	1	1.20	65%	1/2"	6-1/2"	Rev.	4.61"	Dbl-Sld Ball	15.0	G21-930	**499.00**
S82-033	ORM5488BU	5-5/8"	1/3-1/8	208-230	825	1	1.80	65%	1/2"	6-1/2"	Rev.	4.86"	Dbl-Sld Ball	15.8	G21-933	**395.00**
S82-024	FE1038SU	5-5/8"	1/3	208-230	825	1	1.60	65%	1/2"	6-1/2"	Rev.	5.11"	Dbl-Sld Ball	15.3	G21-933	**575.00**
1075 RPM																
S82-026	FE1026SU	5-5/8"	1/4	208-230	1075	1	1.90	65%	1/2"	6-1/2"	Rev.	4.36"	Dbl-Sld Ball	13.0	G21-930	**339.00**
S82-030	FEH1026SU	5-5/8"	1/4	460	1075	1	0.90	65%	1/2"	6-1/2"	Rev.	4.74"	Dbl-Sld Ball	12.7	G21-933	**559.00**
S82-034	ORM5458BU	5-5/8"	1/3-1/6	208-230	1075	1	1.90	65%	1/2"	6-1/2"	Rev.	4.11"	Dbl-Sld Ball	11.8	G21-933	**315.00**
S82-027	FE1036SU	5-5/8"	1/3	208-230	1075	1	2.50	65%	1/2"	6-1/2"	Rev.	4.86"	Dbl-Sld Ball	15.9	G21-933	**359.00**
S82-031	FEH1036SU	5-5/8"	1/3	460	1075	1	1.20	65%	1/2"	6-1/2"	Rev.	5.24"	Dbl-Sld Ball	15.4	G21-933	**595.00**
S82-028	FE1056SU	5-5/8"	1/2	208-230	1075	1	3.80	65%	1/2"	6-1/2"	Rev.	5.36"	Dbl-Sld Ball	18.0	G21-891	**399.00**
S82-032	FEH1056SU	5-5/8"	1/2	460	1075	1	1.50	65%	1/2"	6-1/2"	Rev.	5.61"	Dbl-Sld Ball	18.3	G21-891	**655.00**
S82-029	FE1076SU	5-5/8"	3/4	208-230	1075	1	5.10	65%	1/2"	6-1/2"	Rev.	5.61"	Dbl-Sld Ball	18.3	G21-897	**475.00**

HeatMaster™ High Temperature Condenser Fan Motors

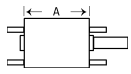
PSC, 48 Frame, Totally Enclosed Air Over

Applications:
- Replaces motors in units by Carrier/Bryant and others

Features:
- 70°C ambient
- Three year warranty
- UL and CSA approved Class F insulation achieves superior dielectric strength for long thermal life
- Single-speed
- Sleeve or ball bearing
- Large high-temperature nylon glass-filled shaft slinger for bearing protection; keeps water and dirt out of motor bearings
- 36" color coded high temperature leads for easy identification and installation
- Easy to remove drain plugs in both end frames allow accumulated condensation to be expelled quickly

Century® HeatMaster®





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
825 RPM																
S81-288	ORM5484BF	5-5/8"	1/8-1/15	208-230	825	1	0.80	65%	1/2"	6-1/2"	Rev.	6-1/2"	Ball	11.6	G21-930	**319.00**
S80-128	ORM5488BF	5-5/8"	1/3-1/8	208-230	825	1	2.10	65%	1/2"	6-1/2"	Rev.	4-7/8"	Dbl-Sld Ball	15.8	G21-933	**365.00**
S80-329	FE1008SF	5-5/8"	1/8	208-230	825	1	1.00	65%	1/2"	6-1/2"	Rev.	4"	Dbl-Sld Ball	11.3	G21-930	**425.00**
S80-330	FE1018SF	5-5/8"	1/6	208-230	825	1	1.10	65%	1/2"	6-1/2"	Rev.	4"	Dbl-Sld Ball	11.1	G21-930	**455.00**
S80-331	FE1028SF	5-5/8"	1/4	208-230	825	1	1.50	65%	1/2"	6-1/2"	Rev.	4-11/16"	Dbl-Sld Ball	15.0	G21-930	**445.00**
S81-290	ORM4688BF	5-5/8"	1/3-1/8	460	825	1	1.00	61%	1/2"	6-1/2"	Rev.	5-1/8"	Ball	16.6	G21-933	**675.00**
S80-332	FE1038SF	5-5/8"	1/3	208-230	825	1	2.10	65%	1/2"	6-1/2"	Rev.	5-1/8"	Dbl-Sld Ball	15.3	G21-933	**515.00**
S81-662	ORM5489BF	5-5/8"	1/2-1/5	208-230	825	1	2.50	65%	1/2"	6-1/2"	Rev.	5-61/100"	Dbl-Sld Ball	18.0	G21-891	**515.00**
S80-333	FE1058SF	5-5/8"	1/2	208-230	825	1	2.50	65%	1/2"	6-1/2"	Rev.	5-5/8"	Dbl-Sld Ball	15.4	G21-891	**669.00**
1075 RPM																
S81-289	ORM5454BF	5-5/8"	1/8-1/15	208-230	1075	1	0.80	58%	1/2"	6-1/2"	Rev.	4"	Ball	10.6	G21-930	**315.00**
S80-120	FE1016SF	5-5/8"	1/6	208-230	1075	1	1.40	65%	1/2"	6-1/2"	Rev.	3-15/16"	Dbl-Sld Ball	10.6	G21-930	**285.00**
S80-121	FE1026SF	5-5/8"	1/4	208-230	1075	1	2.00	65%	1/2"	6-1/2"	Rev.	4-9/16"	Dbl-Sld Ball	13.0	G21-930	**295.00**
S80-334	FEH1026SF	5-5/8"	1/4	460	1075	1	1.00	65%	1/2"	6-1/2"	Rev.	4-3/4"	Dbl-Sld Ball	12.7	G21-933	**559.00**
S80-122	FE1036SF	5-5/8"	1/3	208-230	1075	1	2.80	65%	1/2"	6-1/2"	Rev.	4-7/8"	Dbl-Sld Ball	15.9	G21-933	**325.00**
S80-335	FEH1036SF	5-5/8"	1/3	460	1075	1	1.30	65%	1/2"	6-1/2"	Rev.	5-1/4"	Dbl-Sld Ball	15.4	G21-933	**595.00**
S81-291	ORM4658BF	5-5/8"	1/3-1/8	460	1075	1	1.20	63%	1/2"	6-1/2"	Rev.	4-7/8"	Ball	13.4	G21-933	**595.00**
S80-126	ORM5458BF	5-5/8"	1/3-1/6	208-230	1075	1	2.00	65%	1/2"	6-1/2"	Rev.	4-1/8"	Dbl-Sld Ball	11.8	G21-933	**305.00**
S80-123	FE1056SF	5-5/8"	1/2	208-230	1075	1	4.00	65%	1/2"	6-1/2"	Rev.	5-9/16"	Dbl-Sld Ball	18.0	G21-891	**359.00**
S81-663	ORM5459BF	5-5/8"	1/2-1/6	208-230	1075	1	3.60	65%	1/2"	6-1/2"	Rev.	5-9/25"	Dbl-Sld Ball	17.0	G21-891	**425.00**
S81-664	ORM4659BF	5-5/8"	1/2-1/5	460	1075	1	1.50	65%	1/2"	6-1/2"	Rev.	4-43/50"	Dbl-Sld Ball	19.0	G21-891	**775.00**
S80-336	FEH1056SF	5-5/8"	1/2	460	1075	1	1.50	65%	1/2"	6-1/2"	Rev.	5-9/16"	Dbl-Sld Ball	19.0	G21-891	**655.00**
S80-124	FE1076SF	5-5/8"	3/4	208-230	1075	1	5.10	65%	1/2"	6-1/2"	Rev.	5-5/8"	Dbl-Sld Ball	18.3	G21-897	**399.00**
S80-337	FEH1076SF	5-5/8"	3/4	460	1075	1	2.20	65%	1/2"	6-1/2"	Rev.	6-1/8"	Dbl-Sld Ball	21.1	G21-891	**735.00**



Save Time and Money Upgrading to a ECM Condenser Fan Motor!

- Evergreen® OM motor, is an electronically commutated motor (ECM) designed to replace induction motors (shaded pole or PSC) in outdoor fan applications in HVAC systems. The Evergreen® OM Motors replaces both 1100 RPM (6-pole) and 850 RPM (8-pole) PSC motors helping you save time and money.

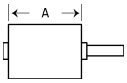
Century®



MasterFit® Pro Multi-Horsepower Condenser Fan Motors

PSC, 48 Frame, Totally Enclosed Air Over

Features:
- All purpose capacitor included
- Mounts by belly band, thru-bolts or shell holes
- Extended thru bolts
- Rheem mounting holes in shell
- 2 speed



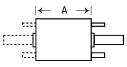
Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S81-401	FE6000F	5-5/8"	1/3-1/6	208-230	1075	2	2.60	1/2"	6.5"	Rev.	4.74"	Ball	14.9	Included	**335.00**
S81-399	FE6001F	5-5/8"	1/3-1/6	208-230	825	2	1.90	1/2"	6.5"	Rev.	5.24"	Ball	17.0	Included	**385.00**
S81-402	FE6002F	5-5/8"	1/2-1/5	208-230	1075	2	3.90	1/2"	6.5"	Rev.	5.36"	Ball	18.3	Included	**359.00**
S81-400	FE6003F	5-5/8"	1/2-1/5	208-230	825	2	2.40	1/2"	6.5"	Rev.	5.74"	Ball	19.7	Included	**455.00**
S81-403	FE6004F	5-5/8"	3/4-1/4	208-230	1075	2	5.80	1/2"	6.5"	Rev.	5.99"	Ball	20.5	Included	**429.00**



RESCUE® EZ-WIRE™ Condenser Fan Motor

PSC, 48 Frame, Totally Enclosed Air Over

- For use in commercial and residential condensing units
- Automatic reset thermal overload protection
- Designed for use with 440v capacitor
- Shell holes for Rheem mount
- Multi-horsepower
- Reversible rotation
- 48" leads
- Side shell holes
- Thermally protected



Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S82-845	5430	5.6"	1/3-1/6	208-230	1075	1	2.20	66%	1/2"	5"	Rev.	4.3"	Ball	11.2	**295.00**

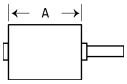


RESCUE® Multi-Horsepower Condenser Fan Motors

PSC, 48 Frame, Totally Enclosed Air Over

- Replaces 28 different ratings, with a multitude of mounting options

Features:
- Automatic thermal protection
- All-angle mount can be mounted by studs (both ends), belly band or four screws in shell
- Reversible
- 36" leads all terminated



Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S89-408	5464	5-5/8"	1/3-1/6	208-230	825	2	1.90	65%	1/2"	5"	Rev.	5-5/16"	Ball	18.0	Multiple	**439.00**
S89-095	5462	5-5/8"	1/3-1/6	208-230	1075	2	2.60	68%	1/2"	5"	Rev.	4-1/2"	Ball	14.0	Multiple	**339.00**
S89-409	5465	5-5/8"	1/2-1/5	208-230	1075	2	3.00	71%	1/2"	5"	Rev.	5-5/16"	Ball	19.0	Multiple	**425.00**

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Mojave® Series Condenser Fan Motors

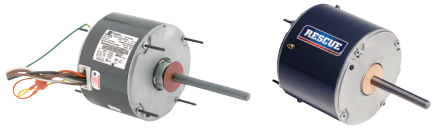
PSC, 48 Frame, Totally Enclosed Air Over

- 158°F (70°C) ambient motors built to withstand extreme temperature conditions
- Class F insulation — thermal endurance to over 300°F

Applications:
- Residential and commercial condensing unit fan motors in extreme temperature locations

Features:
- Automatic thermal protection
- Ball bearings
- 48" leads
- Special corrosion protection
- Reversible rotation

Note: Figure B are RESCUE® brand motors



A B

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
825 RPM																
A	**S81-262**	1872H	5-5/8"	1/8	208-230	825	1	0.78	60%	1/2"	6"	Rev.	Ball	13.7	G21-930	**495.00**
A	**S81-132**	1874H	5-5/8"	1/4-1/8	208-230	825	1	2.10	60%	1/2"	6"	Rev.	Ball	13.0	G21-930	**409.00**
A	**S81-263**	1873H	5-5/8"	1/6	208-230	825	1	1.20	59%	1/2"	6"	Rev.	Ball	17.0	G21-930	**355.00**
A	**S81-264**	1875H	5-5/8"	1/3	208-230	825	1	2.40	68%	1/2"	6"	Rev.	Ball	17.0	G36-263	**445.00**
B	**S81-134**	5464H	5-5/8"	1/3-1/6	208-230	825	2	1.90	65%	1/2"	5"	Rev.	Ball	18.0	Multiple	**445.00**
A	**S81-265**	1870H	5-5/8"	1/2	208-230	825	1	3.30	71%	1/2"	6"	Rev.	Ball	17.0	G21-891	**555.00**
1075 RPM																
A	**S81-266**	1859H	5-5/8"	1/6	208-230	1075	1	1.00	62%	1/2"	5"	Rev.	Ball	18.1	G21-930	**325.00**
A	**S81-128**	1860H	5-5/8"	1/4	208-230	1075	1	1.70	63%	1/2"	6"	Rev.	Ball	12.0	G21-930	**329.00**
A	**S81-258**	3736H	5-5/8"	1/4	460	1075	1	0.80	58%	1/2"	6"	Rev.	Ball	18.1	G21-933	**325.00**
A	**S81-129**	1861H	5-5/8"	1/3	208-230	1075	1	2.10	70%	1/2"	6"	Rev.	Ball	14.0	G21-933	**375.00**
A	**S81-259**	3737H	5-5/8"	1/3	460	1075	1	1.30	63%	1/2"	6"	Rev.	Ball	18.1	G21-933	**415.00**
B	**S81-133**	5462H	5-5/8"	1/3-1/6	208-230	1075	2	2.60	67%	1/2"	5"	Rev.	Ball	14.0	Multiple	**365.00**
A	**S81-130**	1862H	5-5/8"	1/2	208-230	1075	1	3.20	72%	1/2"	6"	Rev.	Ball	18.0	G21-891	**415.00**
A	**S81-260**	3738H	5-5/8"	1/2	460	1075	1	1.50	66%	1/2"	6"	Rev.	Ball	18.1	G21-891	**425.00**
B	**S81-267**	5465H	5-5/8"	1/2-1/6	208-230	1075	2	3.00	71%	1/2"	5"	Rev.	Ball	19.0	Multiple	**495.00**
B	**S81-269**	5480H	5-5/8"	1/2-1/6	460	1075	2	1.30	64%	1/2"	5"	Rev.	Ball	19.0	G21-891	**799.00**
A	**S81-131**	1868H	5-5/8"	3/4	208-230	1075	1	4.70	73%	1/2"	6"	Rev.	Ball	20.0	G21-891	**369.00**
A	**S81-261**	3742H	5-5/8"	3/4	460	1075	1	2.00	70%	1/2"	6"	Rev.	Ball	18.1	G21-891	**569.00**
B	**S81-268**	5482H	5-5/8"	3/4-1/4	208-230	1075	2	4.00	75%	1/2"	5"	Rev.	Ball	21.0	G21-897	**535.00**
B	**S81-270**	5481H	5-5/8"	3/4-1/4	460	1075	2	2.20	69%	1/2"	5"	Rev.	Ball	22.0	G21-891	**869.00**

Save Time and Money Upgrading to a ECM Condenser Fan Motor!

The Rescue Ecotech® condenser fan motor is programmed to match the rotation and speed most preferred by major equipment manufacturers and offers the flexibility for adjustment to speed and rotation. This motor replaces both 6 and 8 pole condenser fan motors.



Patriot Condenser Fan Motors

PSC, 48 Frame, Totally Enclosed

- Made in USA
- Royal blue shell for easy identification

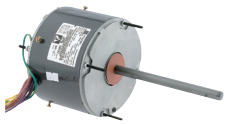
Features:
- Rheem side shell holes
- Trane & Rheem blind boles in endshield
- 70° C (Mojave Rated)
- All position ball bearing
- 48" leads
- Reversible rotation

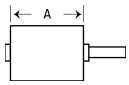


Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S81-776	1776	5-5/8"	1/3-1/6	208-230	1075	1	2.20	68%	1/2"	5"	CCWLE RE	Ball	15.0	**489.00**
S82-057	82057	5-5/8"	1/3-1/5	208-230	825	1	2.40	66%	1/2"	6"	CCWLE RE	Ball	18.0	**615.00**

CONDENSER FAN MOTORS
48 Frame Permanent Split Capacitor

The Consolidator Condenser Fan Motors
PSC, 48 Frame, Totally Enclosed

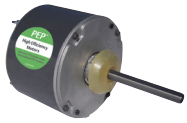




- The Original Multi-Purpose Condenser Fan Replacement Motors
- Consolidate 12 applications into one motor
- Multi-mount, multi-application
- 60°C ambient
- **S81-012** is a 70°C ambient, F class motor with ball bearings

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S89-577	5458	5-5/8"	1/3-1/6	208-230	1075	1	2.00	66%	1/2"	6"	Rev.	4"	SAB	13.4	G21-933	**305.00**
S81-012	5458H	5-5/8"	1/3-1/6	208-230	1075	1	2.00	70%	1/2"	6"	Rev.	4"	Ball	18.1	G21-933	**355.00**
S82-542	5496	5-5/8"	1/3 - 1/5	208-230	825	1	2.40-1.40	70%	1/2"	6"	Rev.	5.1"	SAB	14.5	G36-263	**305.00**

PEP® Condenser Fan Motors
PSC, 48 Frame, Totally Enclosed Air Over



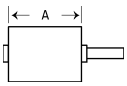
Applications:
- Residential and commercial condensing unit fan motors to meet manufacturer's requirements

Features:
- Up to 76% efficient, saving up to 70 watts
- Hubless lead end
- Drain holes on both ends

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S81-408	1859PEP	5-5/8"	1/6	208-230	1075	1	0.90	76%	1/2"	5"	Rev.	Ball	10.0	**489.00**
S81-409	1860PEP	5-5/8"	1/4	208-230	1075	1	1.40	76%	1/2"	5"	Rev.	Ball	12.7	**515.00**
S81-412	3736PEP	5-5/8"	1/4	460	1075	1	0.70	76%	1/2"	5"	Rev.	Ball	11.0	**915.00**
S81-410	1861PEP	5-5/8"	1/3	208-230	1075	1	7.50	76%	1/2"	5"	Rev.	Ball	15.3	**545.00**
S81-413	3737PEP	5-5/8"	1/3	460	1075	1	1.00	76%	1/2"	5"	Rev.	Ball	15.3	**1045.00**
S81-411	1862PEP	5-5/8"	1/2	208-230	1075	1	7.50	76%	1/2"	5"	Rev.	Ball	18.0	**605.00**
S81-414	3738PEP	5-5/8"	1/2	460	1075	1	1.40	76%	1/2"	5"	Rev.	Ball	17.8	**1099.00**

4-in-1® Multi-Horsepower Condenser Fan Motors
PSC, 48 Frame, Totally Enclosed Air Over





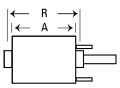
Features:
- Automatic thermal protection
- All angle mounting
- Removable drain plugs at each end
- Rheem mounting holes, screws included
- Multi-application
- Reversible rotation
- 60° Ambient

Specifications:
- **S89-728** is a direct replacement for mfg. #51-20668-11, 51-23055-11, 51-23054-11, and 51-23053-11

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S83-465	ORM5488B	5-5/8"	1/3-1/8	208-230	825	1	2.10	—	1/2"	6.7"	Rev.	—	Ball	15.0	—	**325.00**
S89-728	ORM5458B	5-5/8"	1/3-1/6	208-230	1075	1	2.00	65%	1/2"	6-1/2"	Rev.	4-1/16"	Ball	11.8	G21-933	**275.00**

460 Volt Condenser Fan Motors
PSC, 48 Frame, Open Ventilated





Applications:
- Primarily used in commercial rooftop air conditioning units

Features:
- Automatic thermal protection
- Class B insulation systems
- Lead end bell open all models, shaft end bell closed except as noted
- Rotation: electrically reversible
- Capacitor not included
- **S88-586** has flat end bells, and the **S88-587** has shaft end bell open

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-588	D913	5-5/8"	1/4	460	1075	1	1.10	65%	1/2"	6-3/8"	Rev.	4-1/4"	4-3/4"	Ball	10.6	G21-930	**609.00**
S88-587	D920	5-5/8"	1/2	460	825	1	2.10	65%	1/2"	4-1/2"	Rev.	5-1/2"	5-3/4"	Slv	18.0	G21-897	**879.00**
S88-592	D915	5-5/8"	3/4-1/2	460	1075	2	2.50	65%	5/8"	4-1/2"	Rev.	5-1/2"	6"	Ball	20.0	G21-897	**885.00**

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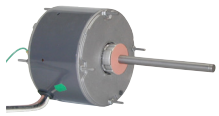
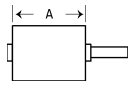
Condenser Fan Motors

PSC, 48 Frame, Totally Enclosed Air Over

Applications:
- Residential and commercial condensing unit fan motors
- Replaces motors in units by Carrier/Bryant and others

Features:
- Automatic thermal protection
- 60°C ambient
- Flat end bell on lead end





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S89-124	1871	5-5/8"	1/10	208-230	825	1	1.00	60%	1/2"	6"	Rev.	3-13/16"	SAB	10.0	G21-922	**449.00**
S89-125	1872	5-5/8"	1/8	208-230	825	1	0.80	60%	1/2"	6"	Rev.	4-1/16"	SAB	11.0	G21-930	**465.00**
S89-126	1873	5-5/8"	1/6	208-230	825	1	1.00	60%	1/2"	6"	Rev.	4-1/16"	SAB	12.0	G21-930	**335.00**
S89-129	8673	5-5/8"	1/6	208-230	825	2	1.00	59%	1/2"	6"	Rev.	4-5/16"	SAB	14.0	G21-930	**685.00**
S89-127	1874	5-5/8"	1/4-1/8	208-230	825	1	2.00	59%	1/2"	6"	Rev.	4-5/16"	SAB	13.0	G21-930	**439.00**
S89-130	8674	5-5/8"	1/4	208-230	825	2	2.00	62%	1/2"	6"	Rev.	4-9/16"	SAB	15.0	G21-933	**769.00**
S81-135	1880	5-5/8"	1/4	460	825	1	1.00	57%	1/2"	6"	Rev.	5-1/16"	Ball	14.0	G21-930	**695.00**
S89-128	1875	5-5/8"	1/3-1/5	208-230	825	1	2.40	68%	1/2"	6"	Rev.	5-1/16"	SAB	17.0	G36-263	**429.00**
S89-131	8675	5-5/8"	1/3	208-230	825	2	2.00	65%	1/2"	6"	Rev.	5-5/16"	SAB	17.0	G21-933	**805.00**
S81-136	1881	5-5/8"	1/3	460	825	1	1.00	61%	1/2"	6"	Rev.	5-9/16"	Ball	17.0	G21-933	**735.00**
S58-955	3323	5-5/8"	1/3-1/6	208-230	1075	1	2.00	61%	1/2"	5"	Rev.	4"	Ball	12.0	G21-933	**415.00**
S81-137	1882	5-5/8"	1/2	460	825	1	1.60	64%	1/2"	6"	Rev.	6-5/16"	Ball	21.0	G21-891	**789.00**

Single-Phase Rooftop Condenser Fan Motors

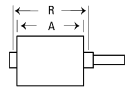
PSC, 48 Frame, Totally Enclosed Air Over

Applications:
- Industrial and commercial rooftop units

Features:
- Single-speed, 1075 RPM, PSC, ball bearing
- Automatic reset thermal protection
- Shaft has water slinger
- 6" leads in outlet box
- Capacitor included, except **S89-644**, and **S81-099**

Note: Totally enclosed except **S88-084** which is enclosed end opposite shaft





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-082	6727	5-5/8"	1/3	208-230/460	1075	1	2.40	65%	1/2"	5"	Rev.	5-1/16"	5-7/8"	Ball	17.0	Included	**929.00**
S88-083	7475	5-5/8"	1/2	208-230/460	1075	1	2.80	72%	1/2"	5"	Rev.	5-13/16"	6-3/8"	Ball	20.0	Included	**1199.00**
S81-099	2201	5-5/8"	1/2	208-230/460	1075	1	3.20	71%	1/2"	5"	Rev.	6-4/5"	7-3/8"	Ball	20.0	G21-891	**939.00**
S88-084	6603	5-5/8"	3/4	208-230/460	1075	1	2.00	68%	1/2"	5"	CWSE	6-5/16"	6-7/8"	Ball	22.0	Included	**1399.00**
S89-644	2202	5-5/8"	3/4	208-230/460	1075	1	4.60	76%	1/2"	5"	Rev.	7-4/5"	7-2/5"	Ball	23.0	G22-730	**1245.00**

Condenser Fan Motors

PSC, 48 Frame, Open Air Over

Applications:
- Used for vertical or horizontal shaft applications where the motor is located in the airstream

Features:
- Automatic thermal protection
- 208-230V
- Capacitor not included

Note: S89-578, **S89-579** and **S89-580** closed on shaft end, open on opposite shaft end



A



B



C

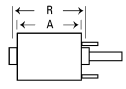


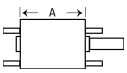
Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
A	**S89-421**	D743	5-5/8"	1/5	208-230	1075	1	1.20	65%	1/2"	6"	Rev.	3-1/2"	—	Slv	9.0	G21-930	**355.00**
B	**S89-578**	D7749	5-5/8"	1/4	208-230	1075	1	1.70	65%	1/2"	6-1/2"	Rev.	3-3/4"	4-9/16"	Ball	11.3	G21-930	**229.00**
A	**S89-420**	D742	5-5/8"	1/4	208-230	1075	1	2.10	65%	1/2"	6"	Rev.	4"	—	Slv	10.6	G21-930	**385.00**
C	**S88-899**	D748	5-5/8"	1/3	208-230	1075	1	2.90	65%	1/2"	6-1/2"	Rev.	4"	4-13/16"	Slv	12.5	G21-930	**279.00**
B	**S89-579**	D7748	5-5/8"	1/3	208-230	1075	1	2.90	65%	1/2"	6-1/2"	Rev.	4-1/4"	4-13/16"	Ball	13.2	G21-930	**255.00**
B	**S89-580**	D7745	5-5/8"	1/2	208-230	1075	1	3.70	65%	1/2"	6-1/2"	Rev.	4-3/4"	5-5/16"	Ball	17.0	G21-891	**289.00**

Condenser Fan Motors
PSC, 48 Frame, Totally Enclosed Air Over



Applications:
- Designed for all-angle mounting

Features:
- Electrically reversible 48 frame motors feature flat end bell opposite shaft end with 1" long #8-32 extended studs to mount to bulk heads in shaft down applications
- Single-speed
- 24" power leads, 4" capacitor leads
- Class B insulation
- Water slinger included, capacitors not included; order separately



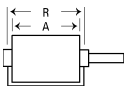
Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S89-018	1859	5-5/8"	1/6	208-230	1075	1	1.00	62%	1/2"	5"	Rev.	3-7/8"	SAB	11.0	G21-930	**315.00**
S88-501	1860	5-5/8"	1/4	208-230	1075	1	1.70	66%	1/2"	5"	Rev.	4-1/8"	SAB	12.0	G21-930	**319.00**
S88-502	1861	5-5/8"	1/3	208-230	1075	1	2.10	70%	1/2"	5"	Rev.	4-5/8"	SAB	14.0	G21-933	**345.00**
S89-634	3737	5-5/8"	1/3	460	1075	1	1.30	65%	1/2"	6"	Rev.	5-2/5"	Ball	17.0	G21-933	**375.00**
S88-503	1862	5-5/8"	1/2	208-230	1075	1	3.00	70%	1/2"	6"	Rev.	5-1/8"	SAB	18.0	G21-891	**379.00**
S89-635	3738	5-5/8"	1/2	460	1075	1	1.50	66%	1/2"	6"	Rev.	5-9/10"	Ball	19.0	G21-891	**415.00**
S89-019	1868	5-5/8"	3/4	208-230	1075	1	4.50	74%	1/2"	5"	Rev.	4-11/16"	SAB	20.0	G21-891	**389.00**
S89-636	1879	5-5/8"	3/4	208-230	1075	1	4.70	73%	1/2"	5"	Rev.	5-4/5"	Ball	21.0	G21-891	**505.00**
S89-637	3742	5-5/8"	3/4	460	1075	1	2.00	70%	1/2"	6"	Rev.	6-2/5"	Ball	22.0	G21-891	**545.00**

Standard Duty Condenser Fan Motors
PSC, 48 Frame, Open Dripproof Air Over



Features:
- Automatic thermal protection
- 30" leads and 6" green ground lead
- Four 1-1/2" x 8-32 extended mounting studs
- Water slinger on shaft
- Provision for mounting capacitor
- Class B insulation to allow operation in higher ambient temperature
- Rotation: reversible with quick connects
- Protected against moisture by EMR
- High efficiency rated
- Enclosed except for end shield at lead end

Note: Comes less base, capacitor and hub rings



Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-093	3851	5-5/8"	1/4	208-230	1075	1	1.70	62%	1/2"	5"	Rev.	4-5/16"	—	SAB	14.0	G21-930	**319.00**
S88-090	6880	5-5/8"	1/3	208-230	1075	1	2.20	67%	1/2"	5"	Rev.	4-13/16"	—	SAB	12.0	G21-930	**349.00**
S88-091	3852	5-5/8"	1/2	208-230	1075	1	3.10	71%	1/2"	5"	Rev.	5-1/16"	—	SAB	15.0	G21-933	**375.00**
S89-020	3097	5-5/8"	3/4	208-230	1075	1	4.80	73%	1/2"	5"	Rev.	6-1/8"	6-5/8"	SAB	20.0	G21-891	**459.00**
S89-638	8665	5-5/8"	3/4	230	1075	1	4.40	73%	1/2"	6"	Rev.	5-3/10"	5-9/10"	Ball	23.0	G22-730	**665.00**

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Condenser Fan Motors

PSC, 48 Frame, Open Dripproof Air Over

Applications:
- For use on condenser cooling fans

Features:
- Automatic thermal protection
- Comes complete with capacitor (except **S89-640** and **S89-641**)
- 21" leads
- Rotation: reversible with quick connects in frame band
- Enclosed end shield on shaft end
- **S87-815**, **S87-825** and **S87-816** have extended thru-bolts

Note: S87-825, **S89-640** and **S89-641** do not include base



A



B

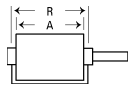


Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
Resilient Mount																		
A	**S87-951**	3846	5-5/8"	1/4	230	1075	1	1.90	66%	1/2"	4-9/10"	Rev.	4-9/16"	6-1/8"	SAB	15.0	Included	**839.00**
A	**S87-970**	4811	5-5/8"	1/3	230	1625	1	1.80	72%	1/2"	4-9/10"	Rev.	4-9/16"	5-1/8"	SAB	16.0	Included	**845.00**
A	**S89-639**	4961	5-5/8"	1/3	230	1625	1	1.80	72%	1/2"	4-9/10"	Rev.	4-3/5"	5-1/10"	Ball	17.0	Included	**1199.00**
A	**S87-815**	3847	5-5/8"	1/3	230	1075	1	2.20	70%	1/2"	4-9/10"	Rev.	4-13/16"	5-3/8"	SAB	16.0	Included	**879.00**
A	**S87-824**	4960	5-5/8"	1/3	230	1075	1	2.20	70%	1/2"	4-9/10"	Rev.	4-13/16"	5-3/8"	Ball	16.0	Included	**965.00**
A	**S87-816**	3848	5-5/8"	1/2	230	1075	1	3.10	72%	1/2"	5"	Rev.	6"	6-7/16"	SAB	19.0	Included	**915.00**
A	**S80-192**	7025	5-5/8"	1/2	230	1075	1	3.10	72%	1/2"	4-9/10"	Rev.	6"	6-7/16"	Ball	18.0	Included	**1345.00**
Hub Ring Mount																		
B	**S87-825**	5345	5-5/8"	1/3	230	825	1	3.00	64%	1/2"	6"	Rev.	5-13/16"	6-3/8"	Ball	19.0	Included	**849.00**
B	**S89-640**	7040	5-5/8"	1/3	208-230	825	1	2.60	64%	1/2"	6"	Rev.	6"	6-2/5"	Ball	18.0	G21-933	**715.00**
B	**S89-641**	7041	5-5/8"	1/2	230	825	1	2.80	71%	1/2"	6"	Rev.	5-4/5"	6-7/10"	Ball	21.0	G22-730	**1099.00**

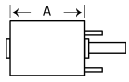
Standard-Duty Condenser Fan Motor

PSC, 48Y Frame, Open Air Over

Applications:
- Designed for standard replacement horizontal or vertical shaft up mounting on central air conditioning condenser units

Features:
- Automatic thermal protection
- Electrically reversible
- Shaft end plate enclosed
- Energy efficient
- Plug reversible
- 60°C ambient except **S88-713** which is 40°C ambient
- Capacitor not included
- Thru-bolts: four 1-5/8" long with #8-32 thread





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-713	X298	5-5/8"	3/4	208-230	1075	1	4.20	1/2"	6"	Rev.	5-1/4"	Ball	17.0	G21-897	**395.00**

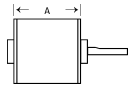
Condenser, Heat Pump, Refrigeration Condenser Fan Motors

PSC, 48 Frame, Open Lead End

Applications:
- Horizontal or vertical shaft up applications

Features:
- Automatic thermal protection
- Short body design
- Electrically reversible





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S81-055	FS1024S	5-5/8"	1/4	208-230	1625	1	1.40	65%	1/2"	4.93"	Rev.	4.0"	Slv	11.0	G21-930	**695.00**
S82-398	FH1024	5-5/8"	1/4	460	1625	2	0.90	60%	1/2"	1-3/5"	Rev.	5"	Ball	15.8	G21-930	**695.00**
S81-054	665A	5-5/8"	1/3	208-230	1625	1	1.90	65%	1/2"	6.44"	Rev.	—	Slv	13.0	G21-930	**789.00**
S82-399	FH1054	5-5/8"	1/2	460	1625	2	1.40	60%	1/2"	1-3/5"	Rev.	5-1/3"	Ball	22.5	G21-933	**875.00**
S82-385	435A	5-5/8"	1/2	460	1075	1	1.70	60%	1/2"	6.00"	Rev.	5-5/8"	Ball	16.3	G21-933	**599.00**
S82-392	F1076A	5-5/8"	3/4	208-230	1075	2	3.50	60%	5/8"	4-1/4"	Rev.	5-1/3"	Ball	19.0	G21-897	**815.00**
S82-384	158A	5-5/8"	3/4	460	1075	1	2.10	60%	1/2"	6.00"	Rev.	5-5/8"	Ball	19.0	G21-892	**655.00**
S89-892	FH1076	5-5/8"	3/4	460	1075	2	2.20	65%	1/2"	6.44"	Rev.	—	Ball	20.0	G21-897	**1199.00**

CONDENSER FAN MOTORS
48 Frame Permanent Split Capacitor

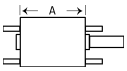
FASCO



A



B



Condenser Fan Motors
PSC, 48 Frame, Totally Enclosed Air Over

Applications:
- For use on central air conditioning systems and outdoor condensing units

Features:
- Automatic thermal protection
- All-angle mount
- Extended tie rods both ends
- Flat end bells both ends
- Four drilled and tapped holes in the shell (except for **S89-583**)

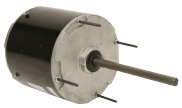
Note: Capacitor not included

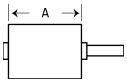
Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
A	**S89-430**	D919	5-5/8"	1/8	208-230	1075	1	0.90	65%	1/2"	6"	Rev.	3-3/4"	Slv	8.2	G21-930	**295.00**
A	**S89-217**	D917	5-5/8"	1/6	208-230	1075	1	1.00	65%	1/2"	6"	Rev.	3-3/4"	Slv	12.0	G21-930	**275.00**
A	**S89-429**	D906	5-5/8"	1/5	208-230	1075	1	1.50	65%	1/2"	6"	Rev.	4"	Slv	12.0	G21-930	**305.00**
B	**S89-581**	D7909	5-5/8"	1/4	208-230	1075	1	1.80	65%	1/2"	6-1/2"	Rev.	4"	Ball	12.3	G21-930	**239.00**
A	**S88-894**	D909	5-5/8"	1/4	208-230	1075	1	1.80	65%	1/2"	6-1/2"	Rev.	4"	Slv	11.2	G21-930	**265.00**
A	**S88-895**	D908	5-5/8"	1/3	208-230	1075	1	2.40	65%	1/2"	6-1/2"	Rev.	4-1/2"	Slv	13.4	G21-933	**285.00**
B	**S89-582**	D7908	5-5/8"	1/3	208-230	1075	1	2.60	65%	1/2"	6-1/2"	Rev.	4-1/2"	Ball	14.1	G21-933	**255.00**
B	**S89-583**	D7907	5-5/8"	1/2	208-230	1075	1	3.70	65%	1/2"	6-1/2"	Rev.	5"	Ball	17.2	G21-891	**335.00**

Tech Tip

Don't forget to remove appropriate Condensation Drain Plug. Drain holes should be at lowest point in motor to permit proper condensate drainage.

Century®





Condenser Fan Motors
PSC, 48 Frame, Dripproof Open Lead End

Applications:
- For shaft up or horizontal applications, short body design

Features:
- Automatic thermal protection
- Heavy-duty ball bearing
- Class B
- 60°C ambient
- Extended thru-bolts and bearing hubs for resilient rings for different types of mounting
- Electrically reversible
- **S88-984** is for heavy-duty applications, it produces 1.1 HP

Note: Capacitor not included

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-663	F1026S	5-5/8"	1/4	208-230	1075	1	1.40	65%	1/2"	6"	Rev.	4-5/16"	Ball	11.5	G21-930	**345.00**
S88-466	F1026	5-5/8"	1/4	208-230	1075	2	1.40	65%	1/2"	6"	Rev.	4-1/16"	Ball	11.6	G21-930	**699.00**
S88-467	F1036	5-5/8"	1/3	208-230	1075	2	1.70	65%	1/2"	6"	Rev.	4-13/16"	Ball	15.4	G21-933	**755.00**
S88-665	F1056S	5-5/8"	1/2	208-230	1075	1	2.50	65%	1/2"	6"	Rev.	5-5/16"	Ball	15.8	G21-891	**519.00**
S88-468	F1056	5-5/8"	1/2	208-230	1075	2	2.50	65%	1/2"	6"	Rev.	5-1/16"	Ball	16.9	G21-891	**835.00**
S88-666	F1076S	5-5/8"	3/4	208-230	1075	1	3.50	65%	1/2"	6"	Rev.	5-9/16"	Ball	17.8	G21-897	**559.00**
S88-984	F1076SV1	5-5/8"	3/4	208-230	1075	1	5.30	65%	1/2"	4"	Rev.	6"	Ball	20.9	G22-730	**549.00**
S89-733	F1106	5-5/8"	1	208-230	1075	1	4.80	65%	1/2"	6"	Rev.	6-1/8"	Ball	22.3	G21-897	**935.00**

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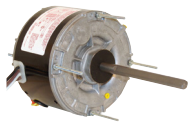
TEAO Condenser Fan Motors

PSC, 48 Frame, Totally Enclosed Air Over

Applications:
- Replaces motors in units by Carrier/Bryant and others

Features:
- Automatic thermal protection
- 60°C ambient
- Short body design
- Shaft up or down mounting with extended thru-bolts both ends
- Class B insulation
- Electrically reversible

Note: Capacitor not included



A



B

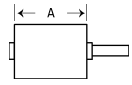


Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
A	**S81-356**	182A	5-5/8"	1/10	208-230	1075	1	0.70	57%	1/2"	6"	Rev.	3-3/4"	Slv	9.0	G21-930	**399.00**
—	**S83-462**	554A	5-5/8"	1/6,1/10	208-230	1075	2	0.92/0.42	—	1/2"	6.05"	Rev.	—	Ball	11.0	G21-930	**609.00**
B	**S89-730**	FE1026SC	5-5/8"	1/4	208-230	1075	1	1.90	65%	1/2"	6"	Rev.	4-9/16"	Ball	11.6	G21-930	**239.00**
B	**S83-464**	FE1026	5-5/8"	1/4	208-230	1075	2	1.30	—	1/2"	6.0"	Rev.	—	Ball	13.0	G21-930	**685.00**
B	**S89-731**	FE1036SC	5-5/8"	1/3	208-230	1075	1	2.60	65%	1/2"	6"	Rev.	4-7/8"	Ball	14.3	G21-933	**265.00**
—	**S83-463**	FE1036	5-5/8"	1/3	208-230	1075	2	1.80	—	1/2"	6.0"	Rev.	—	Ball	16.0	G21-933	**695.00**
B	**S89-732**	FE1056SC	5-5/8"	1/2	208-230	1075	1	3.70	65%	1/2"	6"	Rev.	5-9/16"	Ball	17.0	G21-891	**289.00**
B	**S89-395**	FEH1076	5-5/8"	3/4	460	1075	2	1.70	65%	1/2"	6"	Rev.	6-1/16"	Ball	21.2	G21-891	**1099.00**

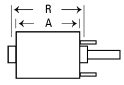
Condenser Fan/Heat Pump Motors

PSC, 48Y Frame, Open Air Over

Applications:
- For horizontal or vertical shaft up mounting in heat pump applications, central air conditioning outdoor condenser fans where motor is located directly in the air stream

Features:
- Automatic thermal protection
- Water slinger on shaft end
- End bell on shaft end is totally enclosed with water slinger on shaft, end bell opposite shaft end is open
- Continuous duty, designed for frame band mounting or with four #8-32 thru-bolts extended -1/2"
- Frame drilled and tapped with two 11/64" diameter holes for capacitor mounting when required
- Shaft 6" long with two flats 90° apart
- Electrically reversible rotation





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-423	048A17O2006	5-5/8"	1/4	208-230	1625	1	1.80	—	1/2"	6"	Rev.	4-1/2"	4-13/16"	Ball	12.0	G21-930	**455.00**
S88-356	X097	5-5/8"	1/4	208-230	825	1	1.80	55%	1/2"	6"	Rev.	4-1/4"	4-13/16"	Ball	13.0	G21-930	**635.00**
S88-095	X088	5-5/8"	1/3	208-230	1075	1	3.00	—	1/2"	6"	Rev.	4-3/4"	5-9/16"	Slv	12.0	G21-930	**385.00**
S88-357	048A11O840	5-5/8"	1/2	208-230	1075	2	4.20	—	1/2"	6"	Rev.	5-1/2"	6-1/16"	Ball	19.0	G21-891	**575.00**
S87-992	048A11O678	5-5/8"	3/4	208-230	1075	2	5.10	—	1/2"	6"	Rev.	5-1/2"	6-1/16"	Ball	18.0	G21-897	**735.00**

Direct Drive Condenser Fan Motors

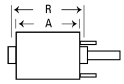
PSC, 48Y Frame, Totally Enclosed Air Over

Applications:
- Direct drive condenser fans for all angle mounting. Needs to be mounted in the airflow of the fan for proper cooling.

Features:
- Automatic thermal protection
- Condensate drain holes
- Rotation: reversible with use of quick connectors
- Slinger on shaft
- High breakdown torque
- High temperature thermal protector reduces nuisance tripping

Note: Drain holes with removable plugs are located in each end bracket. Remove the plug on the bottom when the motor is installed. Leads: 36"; shaft: two flats, 90° apart; studs: four, 1-1/2" long on 5.12" bolt circle, #8-32 thread.



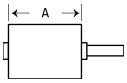


Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-157	048A11T569	5-5/8"	1/4	208-230	1075	1	1.40	—	1/2"	6"	Rev.	4-7/16"	Ball	13.0	G21-930	**329.00**
S88-529	048A17T87	5-5/8"	1/4	208-230	1625	1	2.00	—	1/2"	6"	Rev.	4-7/16"	Ball	12.0	G21-930	**445.00**
S88-158	X413	5-5/8"	1/3	208-230	1075	1	1.90	68%	1/2"	6"	Rev.	4-15/16"	Ball	14.0	G21-933	**389.00**
S88-530	048A17T86	5-5/8"	1/3	208-230	1625	1	2.00	—	1/2"	6"	Rev.	4-15/16"	Ball	14.0	G21-930	**485.00**
S88-159	048A11T571	5-5/8"	1/2	208-230	1075	1	2.70	—	1/2"	6"	Rev.	5-7/16"	Ball	17.0	G21-891	**379.00**
S88-557	048A17T96	5-5/8"	1/2	208-230	1625	1	2.90	—	1/2"	6"	Rev.	5-1/4"	Ball	17.0	G21-930	**515.00**

CONDENSER FAN MOTORS
48 Frame Permanent Split Capacitor

Deluxe Heatmaster Condenser Fan Motors
PSC, 48 Frame, Open Air Over





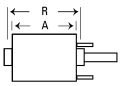
Features:
- Patented canopy design
- Fan blades move cooling air through the motor for extra performance and long life
- Electrically reversible
- 70°C ambient
- Heavy-duty ball bearings
- All 5/8" diameter shafts have flat and key
- All models, except **S88-407**, are suitable for use with solid state speed control devices

Note: S88-219 and **S88-407** are supplied with conversion kit allows their use in 56 frame wire belly band basket

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-215	FC1046F	5-5/8"	2/5	200-230/460	1075	1	3.20	65%	1/2"	3-1/2"	Rev.	8-13/32"	Ball	15.4	G21-930	**775.00**
S88-216	FC1066F	5-5/8"	3/5	200-230/460	1075	1	4.00	65%	1/2"	3-1/2"	Rev.	7"	Ball	17.8	G21-933	**905.00**
S88-471	FC1066AF	5-5/8"	3/5	200-230/460	1075	1	4.00	65%	5/8"	3-1/2"	Rev.	10-5/16"	Ball	19.3	G21-933	**905.00**
S88-217	FC1086F	5-5/8"	4/5	200-230/460	1075	1	4.60	65%	1/2"	3-1/2"	Rev.	11-29/32"	Ball	31.0	G21-909	**1199.00**
S88-218	FC1086AF	5-5/8"	4/5	200-230/460	1075	1	4.60	65%	5/8"	3-1/2"	Rev.	11-29/32"	Ball	26.2	G21-909	**1199.00**
S88-219	FC1106F	5-5/8"	1	200-230/460	1075	1	6.40	65%	5/8"	4"	Rev.	12-21/32"	Ball	31.6	G21-913	**1399.00**
S88-407	FC1156F	5-5/8"	1-1/2	200-230/460	1075	1	7.00	65%	5/8"	4"	Rev.	13-3/32"	Ball	31.0	G21-913	**1599.00**

Commercial Condenser Fan Motors
PSC, 56 Frame, Open Dripproof or Totally Enclosed





Applications:
- Replacement for Carrier, Trane, York

Features:
- Automatic thermal protection
- Extended thru-bolts, flat end bell lead end
- Shaft: 5/8" D x 6" L with 5" flat and keyway 90° apart
- Continuous duty air over
- Ball bearing, 56Z frame
- 40°C ambient

Note: Capacitor not included. Open dripproof models are shaft end totally enclosed, opposite end open

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
Open Dripproof Air Over																	
S88-359	3568	6-3/10"	1/2	208-230	825	1	3.60	69%	5/8"	6"	Rev.	6"	7"	Ball	25.0	G21-891	**1445.00**
S88-360	3567	6-3/10"	3/4	208-230	825	1	5.30	62%	5/8"	6"	Rev.	7-3/16"	8-3/16"	Ball	32.0	G21-904	**1699.00**
S88-361	3566	6-3/10"	3/4	208-230	1075	1	3.80	71%	5/8"	6"	Rev.	6"	7"	Ball	26.0	G21-897	**1499.00**
S88-362	3565	6-3/10"	1	208-230	1075	1	5.20	72%	5/8"	6"	Rev.	6-1/2"	7-1/2"	Ball	30.0	G21-904	**1399.00**
Totally Enclosed Air Over																	
S89-645	2203	6-3/10"	1	208-230/460	1075	1	5.20	80%	5/8"	6"	Rev.	9-4/5"	10-2/5"	Ball	40.0	G21-904	**1299.00**
S81-100	2204	6-3/10"	1-1/2	208-230/460	1075	1	7.60	82%	5/8"	6"	Rev.	10-3/10"	10-8/9"	Ball	43.0	G21-909	**1399.00**

Commercial Condenser Fan/Heat Pump Motor
PSC, 56Y Frame, Open Air Over



Applications:
- Heavy duty design for commercial direct drive condenser fans mounted vertically, shaft up. Needs to be mounted within the airflow of the fan for proper cooling.

Features:
- Automatic thermal protection
- Single-phase
- Belly band
- Shaft up
- Shaft slinger
- 60°C ambient
- Ball bearings
- Flat and key on shaft
- Unique rain shield fits over shaft to protect motor in vertical shaft up position

Note: Capacitor not included

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S81-182	056A11O5314	6-3/10"	1	200-230/460	1075	1	6.50	73%	5/8"	4"	Rev.	Ball	35.0	**889.00**

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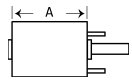
Vertical Condenser Fan Motors

PSC, 56 Frame, Open Air Over

Features:
- Automatic thermal protection
- Double sealed ball bearing
- Continuous duty
- 60°C ambient
- Rotation: reversible
- Shaft with flat and key

Note: Capacitor not included





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S89-710	C660V1	6-1/2"	3/4	460/200-230	825	1	5.30	62%	5/8"	6"	Rev.	8-5/6"	Dbl-Sld Ball	36.0	G21-897	**1399.00**
S89-714	C770V1	6-1/2"	1	460/200-230	1075	1	4.80	72%	5/8"	6"	Rev.	9-1/3"	Dbl-Sld Ball	35.0	G21-913	**1345.00**
S89-715	C771	6-1/2"	1-1/2	460/200-230	1075	1	6.60	65%	5/8"	6"	Rev.	10-2/3"	Dbl-Sld Ball	46.3	G21-913	**1345.00**

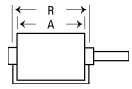
Single-Phase Rooftop Condenser Fan Motor with Resilient Base

PSC, 56 Frame, Totally Enclosed Air Over

Applications:
- Industrial and commercial rooftop units

Features:
- Automatic reset thermal protection
- Capacitor included
- Single-speed
- 1075 RPM
- Ball bearing
- Shaft has water slinger
- 6" leads in outlet box





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-085	2686	6-3/10"	1	208-230/460	1075	1	5.10	80%	5/8"	5"	Rev.	9-5/16"	10-1/2"	Ball	38.0	Included	**1845.00**

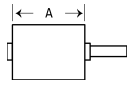
Deluxe Heatmaster Three-Phase Condenser Fan Motors

PSC, 48 Frame, Open Air Over

Features:
- Patented canopy design, fan blades move cooling air through the motor for extra performance and long life
- Off-winding protectors protect all three legs of circuit
- Heavy-duty ball bearings
- 70°C ambient
- All 5/8" diameter shafts have flat and key

Note: S88-222 and **S88-408** are supplied with conversion kit allowing their use in most 56 frame applications





Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	"A" Dim.	Wt. Lbs.	Each
S88-220	FC3056F	1/2	48	200-230/460	1140	3.0	78.00%	W-8	1/2"	3-1/2"	10-5/16"	23.3	**1045.00**
S88-221	FC3076F	3/4	48	200-230/460	1140	4.0	78.00%	W-8	5/8"	4"	12-5/32"	24.3	**1199.00**
S88-222	FC3106F	1	48	200-230/460	1140	5.6	78.00%	W-8	5/8"	4"	12-21/32"	31.9	**1699.00**
S88-408	FC3156F	1-1/2	48	200-230/460	1140	5.8	78.00%	W-8	5/8"	4"	12-21/32"	31.4	**1845.00**



CONDENSER FAN MOTORS
56 Frame PSC & Three-Phase

Varitough® Commercial Condenser Fan Motors
Three-Phase, 56 Frame, Open Dripproof

Features:
- 70°F maximum ambient rated
- Thermostat overload detection
- AEGIS SGR™ bearing protection ring already mounted
- Class F insulation system
- Double-sealed ball bearings
- Shaft-up
- Continuous duty, air over
- Voltage change device
- Inverter duty



A B

Fig.	Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	Wt. Lbs.	Each
Rigid Base													
A	**S81-819**	1139VG	1/2	56YZ	230/460	575	3.1/1.6	60.00%	F-1/W-8	5/8"	3-3/5"	40.0	**1899.00**
A	**S82-047**	1833VG	1	56YZ	208-230/460	850	5.0/2.5	77.10%	F-1/W-8	5/8"	6"	42.0	**1999.00**
A	**S82-040**	1820VG	1	56YZ	208-230/460	1140	4.3-4.3/2.1	83.40%	F-1/W-8	5/8"	6"	34.0	**1545.00**
A	**S82-045**	1831VG	1-1/2	56YZ	208-230/460	850	3.6	80.00%	F-1/W-8	5/8"	3-1/2"	40.0	**2145.00**
A	**S82-041**	1821VG	1-1/2	56YZ	208-230/460	1140	5.0/2.5	84.70%	F-1/W-8	5/8"	6"	41.0	**1745.00**
A	**S82-042**	1822VG	2	56YZ	208-230/460	1140	7.8-7.8/3.9	85.40%	F-1/W-8	5/8"	6"	44.0	**1899.00**
Belly Band Mount													
B	**S82-038**	1818VG	1	56YZ	208-230/460	1140	4.3-4.3/2.1	83.40%	F-1/W-8	5/8"	6"	33.0	**1599.00**
B	**S82-043**	1828VG	1	56YZ	208-230/460	850	5.0/2.5	76.60%	F-1/W-8	5/8"	6"	42.0	**1799.00**
B	**S82-044**	1830VG	1	56YZ	208-230/460	850	5.2-5.2/2.6	76.70%	F-1/W-8	5/8"	3-1/4"	33.3	**1799.00**
B	**S82-046**	1832VG	1-1/2	56HZ	208-230/460	835	6.6-6.2/3.1	74.00%	F-1/W-8	5/8"	6"	63.0	**2145.00**
B	**S82-039**	1819VG	1-1/2	56YZ	208-230/460	1140	5.3-5.3/2.6	84.70%	F-1/W-8	5/8"	6"	40.0	**1645.00**
B	**S82-048**	8987VG	2	56YZ	208-230/460	1140	7.8-7.8/3.9	85.50%	F-1/W-8	5/8"	6"	48.0	**1845.00**

Helpful Motor Connection Hints

1. Green is always the ground wire
1. Never connect line voltage to two-speed leads
1. Motor should be installed so leads are in the 6 o'clock position, or looped so water cannot enter motor

Condenser Fan Motors with Aegis Shaft Grounding Included
- 3-phase commercial 56 frame condenser fan motors for use with any VFD
- Shaft grounding already mounted and included
- 70°c ambient
- Enclosed shaft end bracket, vented frame
- Continuous duty, air over
- Automatic reset thermal protector
- Nameplated 60/50 hertz
- Double sealed ball bearings



A

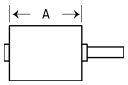


Fig.	Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length "A" Dim.	For Use With	Wt. Lbs.	Each
No Base, 1140RPM														
A	**S82-995**	056T11O15570	1-1/2	56Y	200-230/460	1140	5.5-5.4/2.7	79%	All Angle	5/8"	5" 16.1"	VFD	35.0	**1345.00**
No Base, 850 RPM														
—	**S83-001**	056T8O15532	1	56Y	208-230/460	850	5.3-5.3/2.65	75%	All Angle	5/8"	5" 17"	VFD	46.0	**1545.00**

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JuggerNaut Condenser Fan Motors with Bearing Current Protection (BCP)

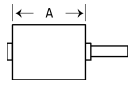
Three-Phase, 56 Frame, Open Air Over

- JuggerNaut Pro with Bearing Current Protection (BCP) or standard Juggernaut models available

Features:
- 70°C (158° F) ambient temperature
- Enclosed shaft end bracket with vented frame
- Automatic reset thermal protector
- External shaft slinger
- A threaded lead exit
- Voltage Change Device™ (VCD) to quickly change voltage on the spot
- Double-sealed ball bearings
- For commercial and residential fan/heat pump applications and may be installed outdoors

Note: F/L Amps shown in chart is based on a rating of 60 Hz and 208V.





Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	"A" Dim.	For Use With	Wt. Lbs.	Each
Juggernaut PRO														
S83-385	H1053RB-PRO	1	56HZ	460/208-230	850	5.1-5.4/2.7	70.2%	All Angle	5/8"	6"	11"	—	44.2	**2199.00**
S83-379	H1053A-PRO	1	56HZ	460/208-230	850	5.1-5.4/2.7	70.2%	All Angle	5/8"	6"	11"	—	44.2	**2199.00**
S83-381	H1054A-PRO	1-1/2	56HZ	460/208-230	850	6.6-6.6/3.3	72.0%	All Angle	5/8"	6"	12.4"	—	49.1	**2299.00**
S83-377	H1055A-PRO	1/2	56Z	460/200-230	1140	2.4-2.7/1.35	75.0%	All Angle	5/8"	6"	9.5"	—	26.0	**1399.00**
S83-378	H1056A-PRO	3/4	56HZ	460/200-230	1140	3.2-3.2/1.6	74.0%	All Angle	5/8"	6"	9.96"	—	28.0	**1545.00**
S83-380	H1050A-PRO	1	56HZ	460/208-230	1140	3.8-4.0/2.0	72.0%	All Angle	5/8"	6"	10"	—	32.2	**1599.00**
S83-382	H1051A-PRO	1-1/2	56HZ	460/208-230	1140	5.6-6/3	77.0%	All Angle	5/8"	6"	—	—	41.0	**1745.00**
Juggernaut														
S81-839	H1053RBV1	1	56	460/208-230	850	2.6/5.2-5.0	77.90%	All Angle	5/8"	6"	12-1/3"	Variable Frequency Drive	44.0	**1545.00**
S81-836	H1055AV1	1/2	56	460/200-230	1140	1.3/2.8-2.6	77.30%	All Angle	5/8"	6"	10"	Variable Frequency Drive	26.0	**975.00**
S81-837	H1056AV1	3/4	56	460/200-230	1140	1.5/2.8-3.0	77.50%	All Angle	5/8"	6"	10-1/4"	Variable Frequency Drive	28.0	**1099.00**

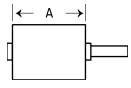
Vertical Condenser Fan Motors

Three-Phase, 56 Frame, Totally Enclosed Air Over

Applications:
- Used on many Carrier, York and McQuay rooftop units

Features:
- Automatic thermal protection
- Class B insulation
- 70°C ambient
- Double sealed ball bearings
- Shaft with both keyway and flat
- Rotation: reversible





Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	"A" Dim.	Wt. Lbs.	Each
S89-384	H696V1	1	56	460/208-230	1140	3.7	78.00%	F-1	5/8"	4-7/8"	11-1/4"	34.4	**1699.00**
S83-643	H698V1	2	56	460/208-230	1140	6.8	78.00%	F-1	5/8"	3-1/2"	12-3/8"	44.0	**1299.00**

Commercial Condenser Fan Motors

Three-Phase, 56 Frame, Open Dripproof

Applications:
- Commercial and industrial condenser fans

Features:
- Automatic thermal protection
- Slinger on shaft, vertical shaft up mounting
- Threaded lead hole
- Rotation: reversible
- Double sealed ball bearing



A



B

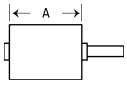
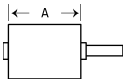


Fig.	Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	"A" Dim.	Replaces	Wt. Lbs.	Each
Belly Band Mount															
A	**S82-105**	1817H	3/4	56YZ	208-230/460	1140	2.8	82.50%	F-1/W-8	5/8"	6"	15-1/4"	—	32.0	**1345.00**
A	**S82-102**	1828H	1	56YZ	208-230/460	1140	4.8	75.60%	F-1/W-8	5/8"	6"	16-4/5"	—	40.0	**1845.00**
A	**S81-818**	1818H	1	56YZ	208-230/460	1140	4.2/2.1	85.00%	Shaft up	5/8"	6"	16-4/5"	—	29.3	**1199.00**
A	**S81-817**	1819H	1-1/2	56YZ	208-230/460	1140	5.4/2.7	85.00%	Shaft up	5/8"	6"	16-4/5"	—	36.7	**1345.00**
A	**S82-103**	8987H	2	56YZ	208-230/460	1140	7.6	85.40%	F-1/W-8	5/8"	6"	16-4/5"	—	45.0	**1699.00**
Rigid Base															
B	**S82-100**	1820H	1	56YZ	208-230/460	1140	4.2	77.80%	F-1/W-8	5/8"	6"	14-4/5"	—	27.0	**1445.00**
B	**S82-101**	1821H	1-1/2	56YZ	208-230/460	1140	5.4	82.70%	F-1/W-8	5/8"	6"	15-4/5"	—	35.0	**1599.00**
B	**S82-104**	1822H	2	56YZ	208-230/460	1140	7.8	85.40%	F-1/W-8	5/8"	6"	17-1/4"	—	29.0	**1745.00**
B	**S82-592**	7915VP	3	56HZ	208-230/460	1725	9.0-9.2/4.6	88.00%	Horizontal	7/8"	2-1/4"	—	S82-106, 7915V	45.0	**2245.00**

Century®


A


B



Condenser Fan Motors
Three-Phase, 56Y Frame, Air Over

Features:
- Automatic reset overload protection
- Vertical or horizontal mounting
- Double sealed ball bearings
- Shaft with both keyway and flat
- 60°C ambient
- 1.0 service factor
- All motors are open air over except **S89-720** which is open dripproof

Note: S89-887 has a resilient base

Fig.	Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	"A" Dim.	Wt. Lbs.	Each
A	**S89-887**	FB3056	1/2	56Y	208-230/460	1140	2.5	75.00%	—	1/2"	5-2/3"	7-3/4"	21.2	**1199.00**
B	**S89-720**	H767V1	1-1/2	56Y	200-230/460	1140	6.0	78.00%	W-6	5/8"	6"	10-1/8"	34.0	**1245.00**

marathon™ Motors



Condenser Fan Motors with Rigid Base
Three-Phase, 56HZ Frame, Open Air Over

Applications:
- Commercial condenser fans may be installed outdoors. Needs to be mounted within the airflow for proper cooling. Used on Trane, Carrier, Climtrol and York units 5 tons and larger

Features:
- Automatic reset thermal protector
- Enclosed shaft end bracket, vented frame
- Continuous duty, air over
- 70°C ambient
- Doubled sealed ball bearings
- VCD™ voltage change device

Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	Wt. Lbs.	Each
S81-184	056T8O5306	1	56HZ	208-230/460	850	5.3	78.50%	W-8	5/8"	5"	49.0	**1699.00**
S81-183	056T11O5305	1	56HZ	208-230/460	1140	4.2	78.50%	Horizontal	5/8"	5"	30.0	**1299.00**
S81-185	056T11O5306	1-1/2	56HZ	208-230/460	1140	5.4	78.50%	Horizontal	5/8"	5"	38.0	**1399.00**
S81-187	056T11O5310	2	56HZ	208-230/460	1140	7.2	78.50%	Horizontal	5/8"	5"	40.0	**1499.00**

marathon™ Motors



Condenser Fan/Heat Pump Motors
Three-Phase, 56 Frame, Open Air Over

Applications:
- Commercial condenser fans may be installed outdoors. Used on Trane, Carrier, Climatrol, and York units 5 tons and larger

Features:
- Automatic reset thermal protection
- Horizontal mount only
- 70°C ambient
- Shaft end bell closed, open opposite end
- Rotation: reversible
- Belly band mount and will accept resilient base kits
- 26" leads
- Features unique voltage change device for simplified voltage change
- Four locating screws 90° apart, 3-3/8" from outer edge of shaft slinger
- 1.0 Service Factor
- Ball Bearing
- Continuous Duty

Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	"A" Dim.	"R" Dim.	Wt. Lbs.	Each
S88-153	056T11O5300	1/2	56Y	200-230/460	1140	2.7	68.00%	Horizontal	5/8"	6"	8-1/8"	8-5/8"	20.0	**905.00**
S88-154	056T11O5301	3/4	56Y	200-230/460	1140	4.2	—	Horizontal	5/8"	6"	8-5/8"	9-1/8"	29.0	**995.00**
S88-661	056T8O5302	1	56Y	200-230/460	850	5.3	74.5%	Horizontal	5/8"	5"	11-1/8"	11-5/8"	46.0	**1399.00**
S88-155	056T11O5302	1	56Y	200-230/460	1140	4.2	75.5%	Horizontal	5/8"	6"	9-1/8"	9-5/8"	29.0	**1099.00**
S88-156	056T11O5303	1-1/2	56Y	200-230/460	1140	5.5	78.50%	Horizontal	5/8"	6"	10-1/8"	10-5/8"	35.0	**1199.00**
S81-188	056T8O5307	1-1/2	56Y	208-230/460	850	7.5	72.00%	Horizontal	5/8"	5"	10-1/2"	11"	47.0	**1745.00**
S81-186	056T11O5304	2	56Y	208-230/460	1140	7.2	81.50%	Horizontal	5/8"	5"	10-1/2"	11"	46.0	**1299.00**

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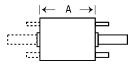
Double Shaft Blower Motor

Shaded Pole, Open Enclosure

Applications:
- Heaters, range hoods, bath ventilators and window air conditioners
- Suitable for a wide variety of air moving applications

Features:
- Single-speed
- Open ventilated
- Double shaft extensions
- Thermally protected
- Leads: 18" long
- Flatted shafts





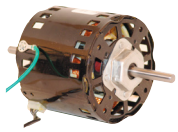
Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S58-001	82324	3-3/8"	1/25	115	1550	1	2.10	35%	5/16"	3" x 1-7/8"	Dbl. Shaft	3"	Slv	5.0	**365.00**

1550 RPM Double Shaft Window Air Conditioner Motors

Shaded Pole, Open Ventilated

Applications:
- Excellent replacements for small window air conditioners

Features:
- Can be mounted by band or studs, overload protection
- Four 3/4" long studs on 2.84" centers
- Shaft length is the same on both ends



A



B

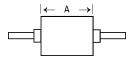


Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
A	**S59-453**	D1165	3-3/8"	1/20	115	1550	1	2.00	35%	5/16"	3-1/2"	Rev./Dbl. Shaft	—	Slv	4.0	**345.00**
B	**S87-968**	D366	3-3/8"	1/14-1/25	115	1550	2	2.45	35%	5/16"	6-3/8"	Dbl. Shaft	3-1/4"	Slv	4.0	**355.00**
B	**S58-582**	D367	3-3/8"	1/12-1/30	115	1550	3	2.70	35%	5/16"	5-3/4"	Dbl. Shaft	3-5/8"	Slv	5.2	**305.00**

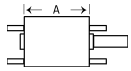
Multi-Speed Double Shaft Blower Motors

Shaded Pole, Open Air Over

Applications:
- Widely used on fans and blowers

Features:
- Studs: Four extended on each end, 9/16" long on 2.84" centers
- Two black leads 14" long, 18 gauge
- Non-reversible, thermal overload protector





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S58-783	D129	3-3/8"	1/125-1/200	115	1500	2	0.30	35%	1/4"	3-1/4"	CCWOSE	2-1/8"	Slv	2.5	**445.00**
S58-782	D128	3-3/8"	1/40-1/80	115	1500	3	1.30	35%	5/16"	4"	CCWOSE	2-1/2"	Slv	2.6	**355.00**

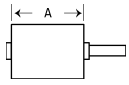
Double Shaft Blower Motors

Shaded Pole or PSC, Open Air Over

Applications:
- Double blower, room air conditioning, heaters
- OEM replacements for Thermador and more

Features:
- Continuous duty
- Thermally protected





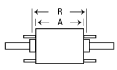
Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Shaft OLE x Diam. x LE	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Replaces	Capacitor To Match	Each
Shaded Pole																		
S59-480	D002	3-3/8"	1/15	115	1550	1	3.00	35%	5/16"	2"	2 x 5/16 x 2	Rev./Dbl. Shaft	3"	Slv	4.5	2	—	**539.00**
PSC																		
S82-202	D0447	3-3/8"	1/12	115	1550	3	1.40 - 0.90 - 0.70	60%	5/16"	6"	—	Rev./Dbl. Shaft	4"	Slv	5.4	447	G21-930	**435.00**

DOUBLE SHAFT MOTORS
4-7/16" Diameter Shaded Pole & PSC

FASCO

Double Shaft Fan Coil Air Conditioner/Heating Units Motors
Shaded Pole, Open Enclosure





Applications:
- Used in hotels, motels, offices and hospitals where a central system pumps hot or cold water or refrigerants to remote units
- This line is unusually broad to provide replacements with a minimum of modification and at the same time closely match performance of the original motor

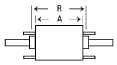
Features:
- Multiple-speed, thermally protected
- Leads: 60" long for **S88-109** and **S88-110**; 30" long for **S88-111**
- Shaft: flatted both ends; resilient rings: 2-1/2" diameter, supplied
- Shaft length is the same on both ends

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Each
S88-109	D336	4-7/16"	1/10-1/25	115	1550	3	3.50	35%	3/8"	7-1/2"	Dbl. Shaft	3-1/2"	4-3/8"	Slv	8.0	**729.00**
S88-110	D236	4-7/16"	1/10-1/25	115	1550	3	3.50	35%	1/2"	7-1/2"	Dbl. Shaft	3-3/8"	4-3/16"	Slv	6.9	**485.00**
S89-416	D337	4-7/16"	1/8-1/15	115	1550	4	4.10	35%	1/2"	7-1/2"	Dbl. Shaft	3-5/8"	4-7/16"	Slv	9.0	**529.00**
S88-111	D338	4-7/16"	1/6-1/15	115	1550	4	5.40	35%	1/2"	7-1/4"	Dbl. Shaft	4-1/8"	4-7/8"	Slv	9.4	**499.00**

Century®

3-, 4-, and 5-Speed Fan and Blower Motors
Shaded Pole, 42 Frame, Open Air Over





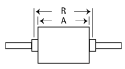
Features:
- Automatic reset thermal protection, 30" leads
- Shaft flatted, both extensions
- Shaft is same length at both ends

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Each
Resilient Rings																
S89-781	DCL4421	5"	1/10-1/25	115	1550	3	3.50	35%	1/2"	7-1/4"	Dbl. Shaft	3-5/16"	4-1/16"	Slv	11.1	**729.00**
Resilient Base																
S89-780	DBL6409	5"	1/10-1/30	115	1050	5	3.50	35%	1/2"	10-1/4"	Dbl. Shaft	3-3/8"	4-1/16"	Slv	10.9	**545.00**
S88-279	DBL6406	5"	1/10-1/25	115	1050	4	3.40	35%	1/2"	10-5/16"	Dbl. Shaft	3-3/8"	4-1/8"	Slv	10.9	**769.00**
S88-277	DBL4404	5"	1/10-1/20	115	1550	3	3.50	35%	1/2"	9"	Dbl. Shaft	3-3/8"	4-1/8"	Slv	11.6	**609.00**
S88-278	DB4405	5"	1/10-1/20	230	1550	3	1.80	35%	1/2"	10"	Dbl. Shaft	3-3/8"	4-1/8"	Slv	12.2	**645.00**

Century®

2-Speed Fan Coil Dual Blower Wheel Motor
PSC, 42 Frame, Open Air Over





Applications:
- Motors for floor or ceiling mounting

Features:
- Sleeve bearing
- Thermally protected, open construction
- Resilient mounting rings included
- 1/2" diameter flatted shaft

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S89-787	DC4522A	5"	1/5-1/10	208-230	1550	2	2.80	65%	1/2"	10-3/16"	Dbl. Shaft	3-9/16"	4-5/16"	Slv	10.9	Included	**445.00**

Century®

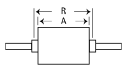
3- and 4-Speed Fan Coil Dual Blower Wheel Motors with Resilient Base
PSC, 42 Frame, Open Air Over



A



B



Features:
- Sleeve bearing
- Automatic reset thermal protection
- 30" leads
- Shaft is same length at both ends

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
—	**S89-783**	546A	5"	1/20-1/75	115	1075	4	0.78	65%	1/2"	10-1/8"	Dbl. Shaft	3-1/2"	4"	Slv	10.9	Included	**1045.00**
—	**S89-784**	452B	5"	1/20-1/50	115	1075	4	0.80	65%	3/8"	10-1/8"	Dbl. Shaft	3-1/2"	4"	Slv	11.5	Included	**1045.00**
A	**S89-855**	362B	5"	1/10-1/35	115	1075	4	1.70	65%	1/2"	10"	Dbl. Shaft	3-1/2"	4"	Slv	11.1	G21-930	**729.00**
B	**S88-283**	DB6502V1A	5"	1/10-1/25	208-230	1075	4	0.70	65%	1/2"	9"	Dbl. Shaft	3-3/8"	4-1/8"	Slv	14.0	Included	**699.00**
A	**S89-785**	381A	5"	1/10-1/20	208-230	1075	3	0.81	65%	1/2"	10"	Dbl. Shaft	3-1/2"	4"	Slv	9.5	G21-930	**679.00**
B	**S88-282**	DBL6501A	5"	1/10-1/20	115	1075	4	1.70	65%	1/2"	10-5/16"	Dbl. Shaft	3-3/8"	4-1/8"	Slv	14.0	G21-930	**759.00**

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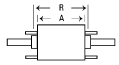
277 Volt Fan and Blower Motor

Shaded Pole, 42 Frame, Open Air Over

Applications:
- 277V direct drive blower wheel heating/air conditioning consoles, fan coil units, through-the-wall air conditioners, rooftop equipment

Features:
- Generous double shaft extensions which may be cut off to desired length or changed to a single shaft motor with desired rotation
- 3- or 4-speed
- Adaptable to most application requirements where the motor is located in the airstream
- Automatic reset thermal protection
- Shaft: same length both extensions





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Each
Shaded Pole																
S88-281	7DB6408	5"	1/10-1/25	277	1050	4	1.30	35%	1/2"	9"	Dbl. Shaft	3-3/8"	4-1/8"	Slv	11.4	**445.00**

Multi-Speed Fan Coil Air Conditioning/Heating Unit Motors

PSC, 42 Frame, Open Ventilated

Applications:
- Designed for use in fan coil air conditioner/ heating units in hotels, motels, offices and hospitals where a central system pumps hot or cold water or refrigerants to remote console type room units

Features:
- Thermally protected
- Shaft: flatted and same length both ends, height is 3-1/2"
- Resilient rings: 2-1/2" diameter supplied, except **S89-417**
- Capacitor Included


A


B

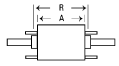


Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Each
A	**S88-659**	D294A	5"	1/10-1/50	115	1050	5	1.30	65%	3/8"	10-3/4"	Dbl. Shaft	3-1/4"	4-1/8"	Slv	7.9	**735.00**
A	**S88-113**	D291A	5"	1/10-1/40	115	1050	4	2.20	65%	1/2"	10-3/4"	Dbl. Shaft	3-1/4"	4-1/8"	Slv	12.8	**779.00**
B	**S89-417**	D347A	5"	1/8-1/20	115	1550	4	2.30	65%	1/2"	10-1/2"	Dbl. Shaft	3"	—	Slv	7.2	**755.00**
B	**S88-239**	D354A	5"	1/6-1/20	115	1050	3	2.80	65%	1/2"	8-1/2"	Dbl. Shaft	3-7/8"	4-11/16"	Slv	10.0	**1045.00**
B	**S89-414**	D221A	5"	1/6-1/12	115	1550	4	3.20	65%	1/2"	8-13/100"	Dbl. Shaft	3-5/8"	4-1/5"	Slv	8.8	**635.00**
B	**S88-240**	D258A	5"	1/5-1/10	208-230	1550	2	2.80	65%	1/2"	8"	Dbl. Shaft	3-7/16"	4-5/16"	Slv	9.8	**469.00**

Double Shaft Fan Coil Air Conditioning/Heating Unit Motor

Shaded Pole, 42 Frame, Open Air Over

Applications:
- Direct replacement for York, American Standard, Dunham Bush, Nesbitt, Trane, International, Chrysler, Modine, McQuay, Singer, Carrier, Bohn, Fedders, Climatrol and others

Features:
- Double shaft, flatted both extensions



Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Rot.	Bearing Type	Wt. Lbs.	Each
With Resilient Base												
S83-645	89PSC	5"	1/10	115	1050	5	1.62	1/2"	Dbl. Shaft	Ball	11.00	**479.00**

Evergreen® DS Double Shaft ECM Motor with Remote Mount Control

- Retrofit Fan Coil, Air Conditioner Motor
- 5.6" Diameter - 48 Frame
- Electronically Commutated (ECM)
- Electronically Protected
- Open Air Over
- Class B Insulation, 55°C Ambient
- 1/2" Diameter Flatted Shaft
- 44" Leads
- Resilient Rings, Belly Band Mount



Order #	Mfg. #	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Each
S83-642	6007DS	3/4-1/3	115/230	1070	5	11.0/6.7	1/2"	6-3/4"	Rev.	Ball	**965.00**

DOUBLE SHAFT MOTORS
48 Frame Permanent Split Capacitor

3-Speed Double Shaft Blower Motors
PSC, 48 Frame, Open Air Over



Applications:
- Air conditioners, double blowers, air handlers, unit heaters

Features:
- Automatic reset thermal protection
- Rotation: CCW
- Open, continuous duty, sleeve bearing
- Mounting holes in shell for mounting capacitor (not included)
- Shaft length is same on both ends

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S89-648	3134	5-5/8"	1/4	230	1075	3	1.90	62%	1/2"	8"	Dbl. Shaft	SAB	13.0	G21-930	**575.00**
S89-649	3135	5-5/8"	1/3	230	1075	3	2.50	65%	1/2"	8"	Dbl. Shaft	SAB	14.0	G21-930	**595.00**
S89-650	3136	5-5/8"	1/2	230	1075	3	4.50	65%	1/2"	8"	Dbl. Shaft	SAB	20.0	G21-930	**645.00**

Double Shaft Fan and Blower Motors
PSC, 48 Frame, Open Air Over



- Single-phase, 1625 or 1075 RPM, sleeve bearing "Conservationist" energy-efficient design

Applications:
- Can be used in a variety of commercial and residential air conditioners, furnaces, air handlers, unit heaters and similar air over applications

Features:
- Quiet sleeve bearings in heavy diecast end bell
- 3-speed
- Automatic reset thermal overload protector
- Long double shafts, extended thru-bolts
- Packed with a heavy-duty length adapter kit which includes a ring bracket
- 2-1/4" resilient rings, split rings for conversion to 2-1/2" and necessary hardware
- Provision for mounting capacitors (capacitors and strap not included)

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-348	RAL1006	5-5/8"	1/8	115	1075	3	2.00	65%	1/2"	8-5/16" x 7-9/16"	Dbl. Shaft	Slv	11.0	G21-930	**599.00**
S88-350	RAL1016	5-5/8"	1/6	115	1075	3	2.20	65%	1/2"	8-3/16" x 7-9/16"	Dbl. Shaft	Slv	11.8	G21-930	**569.00**
S88-351	RA1016	5-5/8"	1/6	208-230	1075	3	0.96	65%	1/2"	8-5/16" x 7-9/16"	Dbl. Shaft	Slv	11.1	G21-930	**449.00**
S83-130	RAL1026A	5-5/8"	1/4	115	1075	3	3.40	65%	1/2"	8-1/8" x 7-5/8"	Dbl. Shaft	Slv	20.4	G21-930	**725.00**
S88-204	RAL1024	5-5/8"	1/4	115	1625	3	3.40	65%	1/2"	7-15/16" x 7-9/16"	Dbl. Shaft	Slv	12.5	G21-930	**715.00**
S88-223	RA1026	5-5/8"	1/4	208-230	1075	3	1.50	66%	1/2"	7-15/16" x 7-9/16"	Dbl. Shaft	Slv	13.1	G21-930	**485.00**
S88-205	RA1024	5-5/8"	1/4	208-230	1625	3	1.90	65%	1/2"	7-15/16" x 7-9/16"	Dbl. Shaft	Slv	12.8	G21-930	**729.00**
S88-353	RAL1036	5-5/8"	1/3	115	1075	3	5.00	65%	1/2"	8-1/6" x 6-13/16"	Dbl. Shaft	Slv	17.6	G21-930	**655.00**
S88-206	RAL1034	5-5/8"	1/3	115	1625	3	4.00	65%	1/2"	7-11/16" x 7-9/16"	Dbl. Shaft	Slv	13.8	G21-930	**799.00**
S88-224	RA1036	5-5/8"	1/3	208-230	1075	3	1.90	68%	1/2"	8-3/16" x 6-13/16"	Dbl. Shaft	Slv	15.7	G21-930	**505.00**
S88-207	RA1034	5-5/8"	1/3	208-230	1625	3	2.00	65%	1/2"	7-11/16" x 7-9/16"	Dbl. Shaft	Slv	14.5	G21-930	**755.00**
S88-211	RAL1056	5-5/8"	1/2	115	1075	3	7.60	65%	1/2"	7-7/16" x 6-13/16"	Dbl. Shaft	Slv	19.7	G21-891	**775.00**
S88-208	RAL1054	5-5/8"	1/2	115	1625	3	6.00	65%	1/2"	7-15/16" x 6-13/16"	Dbl. Shaft	Slv	16.3	G21-930	**905.00**
S88-212	RA1056	5-5/8"	1/2	208-230	1075	3	2.70	67%	1/2"	7-11/16" x 6-13/16"	Dbl. Shaft	Slv	18.4	G21-933	**559.00**
S88-209	RA1054	5-5/8"	1/2	208-230	1625	3	3.20	65%	1/2"	7-15/16" x 6-13/16"	Dbl. Shaft	Slv	17.0	G21-930	**875.00**
S89-047	RAL1076	5-5/8"	3/4	115	1075	3	8.20	65%	1/2"	7-7/16" x 6-13/16"	Dbl. Shaft	Slv	20.0	G21-897	**959.00**
S88-213	RA1076	5-5/8"	3/4	208-230	1075	3	3.60	68%	1/2"	7-7/16" x 6-13/16"	Dbl. Shaft	Slv	19.1	G21-933	**979.00**

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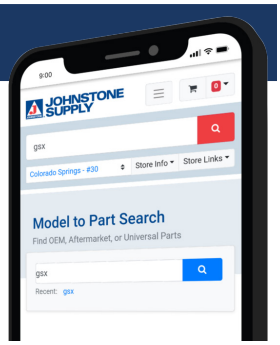

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Amana Draft Inducer Blowers

Direct Replacement for Amana

- Replacement for #11009003, 7021-9064 and 7021-9259
- **X82-087** replaces #7002-2407



A



B

Fig.	Order #	Mfg. #	Motor Type	HP	Volts	RPM	Speeds	F/L Amps	Rot.	Bearing Type	Safety Switch	Replaces	Outlet Flange	Wt. Lbs.	Each
A	**X82-087**	A160	—	1/30	115	3000	—	1.60	CW	Ball	No	7002-2407	—	4	**535.00**
A	**X89-563**	A129	—	1/20	115	3250	—	1.95	CWSE	Slv	No	7021-9064, 7021-9259	—	6	**789.00**
B	**X83-394**	66426K	Shaded Pole	1/30	208-230	3000	1	0.65	CCWSE	Ball	Auto Top	Magic Chef/Amana 35, 36, 48, 60 and 66HWC series	Round	4.5	**569.00**

Armstrong Draft Inducer Blowers

Direct Replacement for Armstrong

- **X89-597** replaces Armstrong #40404-003
- **X82-084** replaces #7021-10046



Order #	Mfg. #	HP	Volts	RPM	Speeds	F/L Amps	Rot.	Bearing Type	Safety Switch	Replaces	Wt. Lbs.	Each
X82-084	A155	—	115	3000	—	1.4	CCW	Ball	No	7021-10046	4.0	**659.00**
X89-597	66404	1/30	115	3200	1	1.2	CWLE	Ball	No	Armstrong 40404-003	5.7	**515.00**



Packard

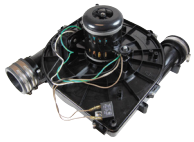
Carrier Draft Inducer Blowers

Direct Replacement for Carrier


A


B


C


D


E


F


G


H

Fig.	Order #	Mfg. #	Motor Type	HP	Volts	RPM	Speeds	F/L Amps	Rot.	Bearing Type	Safety Switch	Replaces	CFM	Outlet Flange	Wt. Lbs.	Each
A	**X82-557**	65230	—	—	208-230	3000	1	0.8	—	Ball	No	—	—	—	5.05	**585.00**
B	**X83-564**	66752	Shaded Pole	—	115	3200	1	1.8	CWLE	Ball	T.O.P.	Carrier 310371-752	—	—	4.5	**585.00**
C	**X83-723**	66753	Shaded Pole	—	115	3200	1	1.8	CWSE	Ball	No	318984-753	—	—	8.8	**315.00**
D	**X83-386**	66756	PSC	—	115	3300	1	0.85	CWSE	Ball	Auto Top	Carrier 320725-756	66	Round	8.5	**915.00**
D	**X83-387**	66757	PSC	—	115	3300	1	0.85	CWSE	Ball	Auto Top	Carrier 320725-757	83	Round	8.5	**1045.00**
D	**X83-388**	66758	PSC	—	115	3400	1	1.15	CWSE	Ball	Auto Top	Carrier 320725-758	92	Round	8.3	**1045.00**
E	**X83-390**	66761	Shaded Pole	—	115	3000	2	0.63/0.30	CWSE	Ball	Auto Top	Carrier 326628-761	—	—	7.75	**689.00**
E	**X83-391**	66762	Shaded Pole	—	115	3000	2	1.06/0.28	CWSE	Ball	Auto Top	Carrier 326628-762	—	—	7.75	**789.00**
E	**X83-392**	66763	Shaded Pole	—	115	3000	2	1.32/0.39	CWSE	Ball	Auto Top	Carrier 326628-763	—	—	8.8	**825.00**
F	**X83-724**	66765	Shaded Pole	—	115	3000/1900	2	0.9/0.48	CWSE	Ball	No	326628-765	—	—	4.5	**705.00**
G	**X83-393**	66649	PSC	1/16	208-230	3450	1	0.5	CWLE	Ball	Auto Top	Carrier HC30CK234, HC30GB232, 48GS400106, 48GS400649	179	Square	7.85	**719.00**
H	**X83-398**	66755	PSC	1/20	115	3300	1	0.55	CWSE	Ball	Auto Top	Carrier 309868-755	—	—	4.9	**1099.00**

FASCO



Coleman Draft Inducer Blower

Direct Replacement for Coleman

- Replaces #7021-6759, 7021-5478, York #7021-8629 and 7021-7105

Order #	Mfg. #	HP	Volts	RPM	F/L Amps	Rot.	Bearing Type	Safety Switch	Wt. Lbs.	Each
X89-468	A088	1/25	115	3200	1.3	CWSE	Slv	No	5.75	**649.00**

Packard



Dunkirk Draft Inducer

Direct Replacement for Dunkirk

- Direct replacement for #43300510

Order #	Mfg. #	HP	Volts	RPM	Speeds	F/L Amps	Replaces	Each
X82-633	82052	1/50	115	3000	1	1.00	433-00-510	**535.00**

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Excel Comfort Systems Draft Inducer Motor

Direct Replacement for Excel Comfort Systems

- Direct replacement for 7058-0280



Order #	Mfg. #	Motor Type	HP	Volts	Speeds	F/L Amps	Wt. Lbs.	Each
X82-077	A100	SP	1/45	115	1	1.5	5.85	**535.00**

Evcon Draft Inducer Motors

Direct replacement for Evcon

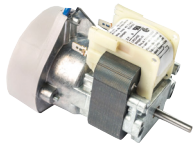
- Direct replacement for Evcon

Features:

- Open ventilated
- Single speed
- Sleeve bearing



A



B

Fig.	Order #	Mfg. #	Motor Type	HP	Volts	RPM	Speeds	F/L Amps	Rot.	Bearing Type	Replaces	Wt. Lbs.	Each
A	**X82-085**	A156	Shaded Pole	1/35	115	3000	1	1.1	CWSE	Slv	7021-8395	4	**439.00**
B	**S89-002**	K629	Shaded Pole	1/85	120	2950	1	0.67	CWSE	Slv	7102-2187	2.5	**405.00**

General Purpose Draft Inducer Blowers

- **X89-498** is a 3-speed model



A



B

Fig.	Order #	Mfg. #	HP	Volts	RPM	F/L Amps	Rot.	Bearing Type	Safety Switch	Wt. Lbs.	Each
A	**S88-385**	B23618	1/65	115/230	3000	0.9/0.4	CCWSE	Ball	Yes	5.0	**705.00**
A	**S88-536**	B23617	1/65	115/230	3000	0.9/0.4	CCWSE	Slv	Yes	4.0	**655.00**
B	**X89-498**	B47120	1/22	115	1500	1.95	CWSE	Slv	No	8.5	**515.00**

Heat-N-Glow Draft Inducer Blower

Direct Replacement for Heat-N-Glow

- Replaces #7002-1241



Order #	Mfg. #	HP	Volts	RPM	F/L Amps	Rot.	Bearing Type	Safety Switch	Wt. Lbs.	Each
X89-567	A133	1/50	115	3000	1.2	CCW	Slv	No	5	**475.00**

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- Training to keep you competitive

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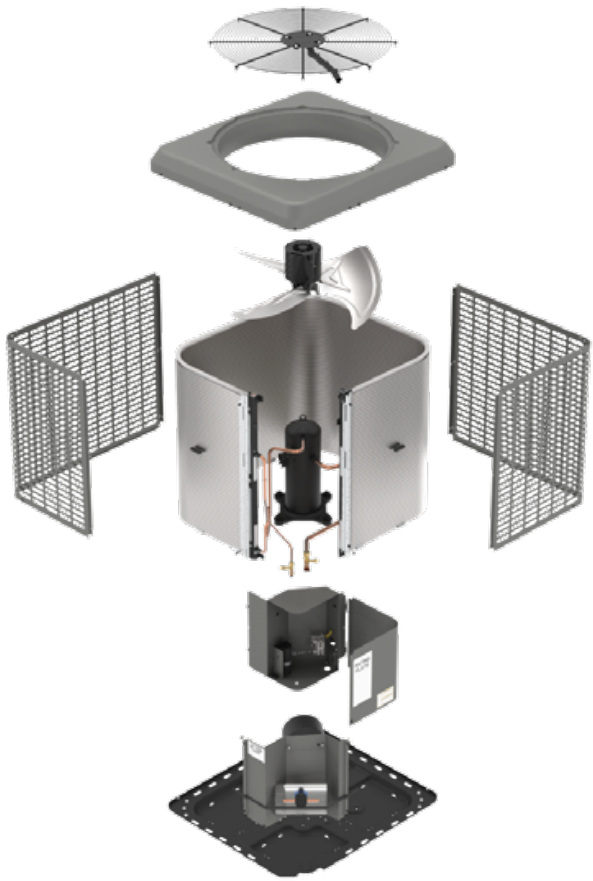

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Goodman Draft Inducer Blowers
Direct Replacement for Goodman


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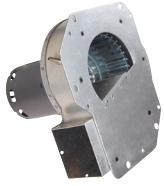
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Fig.	Order #	Mfg. #	Motor Type	HP	Volts	RPM	Speeds	F/L Amps	Rot.	Bearing Type	Safety Switch	Replaces	CFM	Outlet Flange	Wt. Lbs.	Each
A	**X89-574**	A140	—	1/50	115	3400	1	1.4	CWSE	Slv	No	7021-9087, 7021-9000	—	—	4.20	**645.00**
B	**X82-089**	A162	—	1/50	208-230	3000	1	0.5	CCW	Slv	Yes	7021-8656	—	—	4.00	**705.00**
C	**X82-155**	A281	—	1/40	115	3000	1	0.9	CW	Slv	No	7021-8252	—	—	4.80	**835.00**
C	**X82-086**	A157	—	1/35	115	3000	1	1.3	CCW	Slv	No	7002-2307	—	—	4.00	**445.00**
D	**X82-181**	82483	—	1/35	115	3000	1	1	CCWLE	Ball	No	B1859000, B1859000S	—	—	4.35	**279.00**
E	**X82-098**	A182	—	1/35	115	3125	1	1.3	CCW	Slv	No	7002-3036	—	—	5.50	**439.00**
F	**X82-099**	A184	—	1/35	115	3125	1	1.55	CCW	Ball	No	7058-0229	—	—	6.10	**495.00**
N	**X82-160**	A286	—	1/35	208/230	3125	1	0.6	CW	Slv	No	7021-9398	—	—	5.00	**835.00**
G	**X82-100**	A185	—	1/30	115	3000	1	1.15	CW	Slv	No	7021-9316	—	—	4.80	**735.00**
H	**X89-979**	A181	—	1/30	115	3000	1	1.5	CW	Ball	No	Goodman 200-44403	—	—	6.90	**545.00**
I	**X89-978**	A180	—	1/30	115	3400	1	1.8	CCW	Ball	No	Goodman 201-90601	—	—	7.00	**645.00**
J	**X82-630**	66590	—	1/30	115	3000	1	1.50	CWLE	Ball	—	7002-3036	—	—	5.25	**279.00**
J	**X82-555**	66005	—	1/30	115	3000	2	1.6	CWLE	Ball	No	B1859005, J238-11128	—	—	6	**279.00**
K	**X83-395**	66959	—	1/30	208-230	3000	1	0.65	CCWSE	Ball	Auto Top	B2959000(S)	—	Rectangle	6.0	**545.00**
C	**X82-158**	A284	—	1/30	208/240	3000	1	0.59/0.50	CW	Slv	No	7021-9227	—	—	5.00	**855.00**
L	**X82-154**	A280	—	1/25	115	3000	1	1.5	CW	Slv	No	7021-7794	—	—	3.60	**755.00**
M	**X82-161**	A287	—	1/25	115	3000	1	1.15	CW	Slv	No	7021-9655	—	—	4.80	**665.00**
N	**X82-554**	66003	—	1/25	115	3250	1	1.95	—	Slv	No	11009001, 11009002, 11009003	—	—	7	**359.00**
L	**X82-103**	A189	—	1/24	115	3000	1	1.5	CW	Slv	No	7021-7302	—	—	5.35	**755.00**
I	**X82-164**	A290	—	1/20	115	3200/2400	2	0.7	CCW	Ball	No	7062-5015	—	—	4.80	**869.00**
Q	**X82-102**	A188	—	1/18	115	3250	1	1.6	CW	Slv	No	7021-10958	—	—	4.50	**855.00**
R	**X83-762**	A076	Permanent Split Capacitor	—	115	3200	2	0.5	—	Ball	—	0271F00119; 0271F00119S; 0171M00002	—	No	10.00	**895.00**
S	**X83-763**	A077	Shaded Pole	—	120	3000	1	2.8	—	Slv	—	0717M00000; 0717M00000S; 0171M00001S; 0171M00001	—	No	10.00	**579.00**
O	**X89-926**	48331	—	—	115	3200	1	1.8	CWLE	Ball	No	5KSB46GF0001S and B4833000	—	—	5.05	**359.00**
P	**X89-927**	48332	—	—	115	3200/2800	2	1.8/1.1	CWLE	Ball	No	5KSB46GF0003S, B48330001	—	—	6.25	**519.00**
T	**X83-566**	66202	—	—	115	3000	2	1.13/0.56	CCWSE	Ball	T.O.P.	0131M00003, B4059002, B4059004, Y3L248B01	70	Rectangle	6.5	**315.00**
U	**X83-764**	A078	Shaded Pole	—	230	3000	1	1.4	—	Slv	—	0131G00000PS; 0131G00000P	—	No	10.00	**675.00**

DEFINITE PURPOSE MOTORS
3-3/8" OEM Replacement Draft Inducers

FASCO

Heil Quaker Draft Inducer Blowers
Direct Replacement for Heil Quaker

- **X89-583** replaces Heil Quaker #HQ1050144
- **X89-455** replaces Heil Quaker #HQ610672, 7021-5043 and 7021-7102



A



B

Fig.	Order #	Mfg. #	HP	Volts	RPM	F/L Amps	Rot.	Bearing Type	Safety Switch	Wt. Lbs.	Each
A	**X89-583**	A151	1/90	230	2750	0.3	CWSE	Slv	No	4	**669.00**
B	**X89-455**	A064	1/70	115	3150	0.7	CWSE	Slv	No	5	**505.00**

Packard

ICP Draft Inducer Blowers
Direct Replacement for ICP

- **S81-711** Replaces ICP # 1010324, 1013833, 1010238P
- **X82-626** Replaces 1110008, 1085571, 1085571P
- **X82-628** Replaces 100814, 1001371, 1001609
- **S59-509** Replaces 1054268, 1054268P, 4MH37, 7021-10284



A



B



C



D



E



F

Fig.	Order #	Mfg. #	Motor Type	HP	Volts	RPM	Speeds	F/L Amps	Rot.	Bearing Type	Safety Switch	Replaces	CFM	Wt. Lbs.	Each	3 Lot
A	**S81-711**	66833	—	1/50	115	3000	1	1.6	CW	Ball	No	—	—	5.8	**469.00**	**445.00**
B	**X82-626**	66254	—	1/50	230	3000	1	.30	CCWLE	Slv	—	—	—	5.9	**329.00**	**315.00**
C	**S59-509**	82148	—	1/30	208/230	3000	1	0.5	CCWSE	Slv	—	—	—	6.3	**599.00**	**569.00**
D	**X82-628**	66350	—	1/25	115	3350	1	0.92	CCWSE	Ball	—	—	—	7.8	**675.00**	**639.00**
E	**X83-727**	66420	PSC	1/16	208-230	3450	1	0.47	CCWSE	Ball	No	1178420	131	7.85	**575.00**	**545.00**
F	**X83-728**	66421	Shaded Pole	1/15	208-230	3300	1	1.10	CCWSE	Ball	No	1178421	156	7.85	**575.00**	**545.00**

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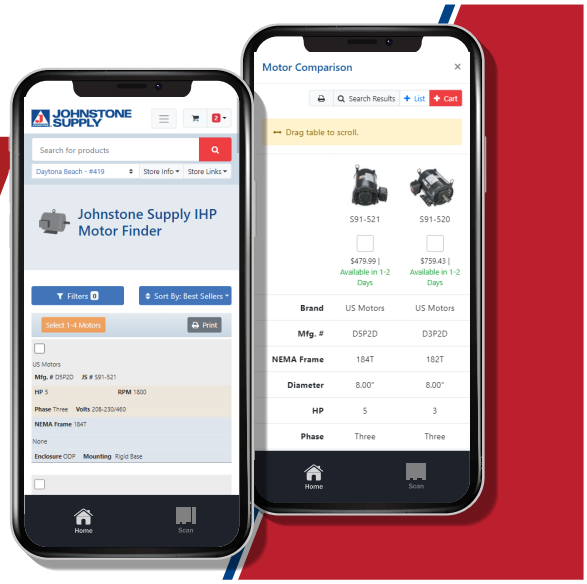

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Intercity Draft Inducer Blowers

Direct Replacement for Intercity


A


B


C


D


E


F


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K


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M

Fig.	Order #	Mfg. #	HP	Volts	RPM	F/L Amps	Rot.	Bearing Type	Safety Switch	Replaces	Wt. Lbs.	Each
A	**X82-092**	A174	1/100	115	2350	0.8	CW	Slv	No	7021-9188	5.95	**665.00**
A	**X82-165**	A301	1/100	115	2350	0.8	CW	Slv	No	7021-9498	6.10	**485.00**
B	**X82-097**	A179	1/60	115	3300	0.9	CW	Slv	No	7021-8693	5.85	**625.00**
A	**X89-575**	A141	1/60	115	3000	1.0	CWSE	Ball	No	7021-8741, 7021-8742, 7021-9188, 7021-9498	5.00	**785.00**
C	**X89-976**	A172	1/35	115	3000	1.6	CW	Ball	No	1010975 and 1010975P	6.60	**399.00**
D	**X82-096**	A178	1/30	115	3400	1.8	CW	Ball	No	7021-10928	6.75	**625.00**
E	**X82-168**	A306	1/30	208-230	3350/2900	0.3	CCW	Slv	No	7062-4532	7.00	**995.00**
F	**X82-094**	A176	1/25	115	3100	2.2	CW	Ball	No	7002-2946	6.95	**535.00**
G	**X89-975**	A171	1/25	115	3450	0.7	CCW	Ball	No	1010491, 1010527P, 1011096, 1011410 and 1011412	6.10	**855.00**
H	**X89-568**	A134	1/25	115	3000	1.5	CWSE	Slv	No	7021-9335 and 7021-8735, 7021-9499, 7021-8736, 7021-7700	5.00	**515.00**
I	**X89-995**	A169	1/25	230	3060	0.8	CW	Slv	No	7021-10048 and 7021-10580	7.00	**785.00**
J	**X82-253**	A307	1/24	115	3450	0.69	CW	Slv	No	7062-5165 and 7062-3794	5.50	**839.00**
K	**X89-579**	A145	1/20	115	3450	0.7	CCWSE	Ball	No	7062-4061	5.00	**1645.00**
L	**X89-977**	A173	1/18	115	3450	0.8	CCW	Ball	No	1011350 and R7-RFB350	11.20	**1045.00**
M	**X89-974**	A170	1/15	115	3200	2.3	CCW	Ball	No	1010312, 1010526, 1010928, 1011095, 1011097, 1011409 and 1164280	7.00	**839.00**

Janitrol Draft Inducer Blower

Direct Replacement for Janitrol, Tappan, SJC and Arkla

- Replaces Janitrol #8251560133 and #829932



Order #	Mfg. #	HP	Volts	RPM	F/L Amps	Rot.	Bearing Type	Safety Switch	Wt. Lbs.	Each
S88-515	A073	1/40	115/230	3000	0.8/0.5	CCWSE	Ball	No	4	**645.00**

Johnson Furnace Draft Inducer Motor

Direct replacement for Johnson Furnace

- Direct replacement for Johnson Furnace



Order #	Mfg. #	Motor Type	HP	Volts	RPM	Speeds	F/L Amps	Rot.	Bearing Type	Replac-es	Wt. Lbs.	Each
X82-076	A085	SP	1/30	230	3000	1	0.7	CCW	Ball	464	4.8	**555.00**

FASCO

Lennox Draft Inducer Blowers
Direct Replacement for Lennox


A


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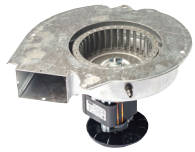
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Fig.	Order #	Mfg. #	Motor Type	HP	Volts	RPM	Speeds	F/L Amps	Rot.	Bearing Type	Safety Switch	Replaces	Outlet Flange	Wt. Lbs.	Each
A	**X82-169**	A322	—	1/70	120	3000	2	1.1	CCW	Slv	No	7021-9884	—	4.00	**629.00**
B	**X82-120**	A219	—	1/65	120	3000	1	0.7	CCW	Slv	No	7021-9262	—	4.25	**499.00**
C	**X89-569**	A135	—	1/60	120	3000	1	0.7	CCWSE	Slv	No	7021-8812, 7021-8819	—	3.20	**629.00**
D	**X89-572**	A138	—	1/60	120	3000	1	0.7	CCWSE	Slv	No	7021-8657, 7021-8825	—	4.20	**629.00**
E	**X89-595**	66401	—	1/60	120	2800	1	1.3	CWLE	Ball	No	88K8401	—	4.05	**345.00**
F	**X82-090**	A164	—	1/50	120	3400	1	0.8	CCW	Slv	No	7021-9593	—	3.00	**619.00**
G	**X82-116**	A210	—	1/30	115	3000	2	1.7	CCW	Ball	No	7021-11063	—	7.20	**725.00**
H	**X89-984**	A200	—	1/30	115	3000	1	1.95	CCW	Slv	No	313L5501	—	7.20	**325.00**
I	**X89-985**	A202	—	1/30	115	3400	1	1.8	CCW	Ball	No	45037-001, 45037-1P and 46087-001	—	4.50	**559.00**

continued on next page

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Fig.	Order #	Mfg. #	Motor Type	HP	Volts	RPM	Speeds	F/L Amps	Rot.	Bearing Type	Safety Switch	Replaces	Outlet Flange	Wt. Lbs.	Each
J	**X82-110**	A201	—	1/30	208-230	3000	1	0.65	CCW	Ball	No	7021-10055, 7021-10743	—	4.10	**685.00**
K	**X82-113**	A207	—	1/28	115	3000	1	1.75	CCW	Ball	No	7058-0217	—	6.15	**585.00**
L	**X82-629**	66501	—	1/30	115	3000	1	1.20	CCWSE	Ball	—	7002-2975	—	5.8	**225.00**
M	**X82-114**	A208	—	1/28	115	3000	1	1.75	CCW	Ball	No	7058-0322	—	5.50	**505.00**
N	**X89-987**	A206	—	1/25	115	3000	1	1.5	CW	Slv	No	65204100 and 20J8901	—	6.30	**619.00**
O	**X82-252**	A213	—	1/25	115	3200	2	2.1	CCW	Ball	No	7021-10376, 18L0401	—	5.30	**705.00**
P	**X83-755**	A248	Shaded Pole	—	120	3250	1	1.2	—	Slv	—	103014-03	No	10.00	**575.00**
Q	**X82-115**	A209	—	1/20	115	3200/2800	2	0.8	CCW	Ball	No	7062-5441	—	6.85	**955.00**
R	**X89-986**	A204	—	1/20	115	3400	1	1.8	CCW	Ball	No	83L4101	—	4.20	**699.00**
S	**X82-111**	A203	—	1/20	115	3400	1	1.8	CCW	Ball	No	7021-10841	—	7.00	**695.00**
T	**X82-737**	66300	—	1/25	120	3300	1	1.5	CW	Slv	No	7021-8473, 20J89, 76714300	—	6	**395.00**
U	**X82-112**	A205	—	1/20	120	3000	1	0.7	CCW	Slv	No	7021-8372, 7021-9001	—	6.70	**485.00**
V	**X82-118**	A217	—	1/16	230	3000	1	0.8	CCW	Ball	No	7021-11231	—	5.25	**689.00**
W	**X82-117**	A211	—	1/15	115	3400	1	2.35	CCW	Ball	No	7021-11634	—	7.10	**635.00**
X	**X82-170**	A324	—	1/12	208-230	3200	1	0.5	CW	Ball	No	7062-1909	—	6.50	**1145.00**
Y	**X82-171**	A331	—	1/10	460	3200	1	.38/.33	CW	Ball	No	7062-5554	—	6.50	**929.00**
Z	**X83-756**	A249	Shaded Pole	—	115	3400	1	2.35	—	Ball	—	103618-01; 103618-03	No	10.00	**459.00**
AA	**X83-757**	A252	Permanent Split Capacitor	—	115	3200	2	0.65/0.30	—	Ball	—	103274-01; 103274-03	No	10.00	**1045.00**
BB	**X83-758**	A253	Permanent Split Capacitor	—	120	3300	2	0.24/0.13	—	Ball	—	102701-01	No	10.00	**705.00**
CC	**X83-389**	66093	Shaded Pole	—	120	3000	1	0.43	CCWSE	Ball	Auto Top	80C93	Round	1.7	**255.00**

Magic Chef Draft Inducer Blower

FASCO

Direct Replacement for Magic Chef

- Replaces Magic Chef, HWC series



Order #	Mfg. #	HP	Volts	RPM	F/L Amps	Rot.	Bearing Type	Safety Switch	Wt. Lbs.	Each
S88-513	A081	1/40	230	3000	0.5	CCWSE	Ball	No	5	**595.00**

Nordyne Draft Inducer Blowers

FASCO

Direct Replacement for Nordyne



A



B

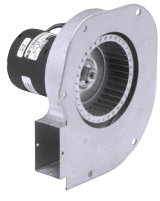

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Fig.	Order #	Mfg. #	HP	Volts	RPM	F/L Amps	Rot.	Bearing Type	Safety Switch	Replaces	Wt. Lbs.	Each
A	**X89-565**	A131	1/50	115	3000	1.1	CWSE	Slv	No	7021-9132, 7021-10171, 7021-10159 and 7021-9661	4.2	**579.00**
A	**X89-566**	A132	1/45	115	3000	1.1	CWSE	Slv	No	7021-7975	5.5	**669.00**
B	**X82-082**	A126	1/45	115	3000	1.80	CW	Ball	No	7002-3158	5.7	**809.00**
C	**X82-078**	A121	1/45	240	3000	0.51	CW	Slv	No	7021-10381	5.2	**799.00**
D	**X82-079**	A122	1/17	115	3000	1.75	CW	Slv	No	7021-11227	6.4	**835.00**
D	**X82-081**	A124	1/15	115	3000	1.75	CW	Slv	No	7021-11379	6.4	**925.00**

Packard

Rheem Draft Inducer Blowers

Direct Replacement for Rheem

Note: X89-570 is PSC and does not include capacitor, use **G21-928**.


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Fig.	Order #	Mfg. #	Motor Type	HP	Volts	RPM	Speeds	F/L Amps	Rot.	Bearing Type	Safety Switch	Replaces	CFM	Outlet Flange	Wt. Lbs.	Each
A	**X89-573**	A139	—	1/55	115	3000	—	0.95	CWSE	Slv	No	7021-7577	—	—	3.50	**715.00**
B	**X89-993**	A242	—	1/50	115	3400	—	1.36	CW	Slv	No	70-22436-01	—	—	6.30	**849.00**
C	**X89-992**	A241	—	1/50	208/230	3200	—	0.62	CW	Slv	No	70-23641-81	—	—	5.80	**689.00**
D	**X82-556**	66781	—	1/50	115	3000	—	0.6	CCWLE	Ball	No	70-101087-81, 7021-11559	—	—	6.7	**569.00**
E	**X89-430**	A079	—	1/50	115	3000	—	1.10	CCWSE	Slv	No	Rheem 74-70-21496-03-01, 74-70-21504-03-04 and Goodman B1859000, 7021-6804, JA1M106, JA1M137	—	—	4.00	**519.00**
F	**X89-991**	A240	—	1/50	115	3000	—	1.1	CCW	Slv	No	70-21496-83	—	—	5.30	**785.00**
G	**X89-519**	A090	—	1/45	115	3000	—	1.10	CWSE	Slv	No	Rheem 70-21496-01, 7021-5239 and JA1M102	—	—	4.38	**615.00**
H	**X82-134**	A247	—	1/40	115	3250/2800	—	0.95	CW	Slv	No	7062-5519	—	—	5.80	**715.00**
I	**X89-593**	66847	—	1/30	120	3000	1	1.71	CCWLE	Ball	No	Rheem 70-22838-02, 70-24157-03 and 117847-07	—	—	6.75	**219.00**
J	**X89-467**	A086	—	1/25	115	3200	—	1.30	CWSE	Slv	No	Rheem JA1N065, JA1N062 and 7021-5990	—	—	5.75	**609.00**
K	**S59-510**	82641	—	1/25	208/230	3200	1	0.62	CWSE	Ball	—	70-23641-81	—	—	6.5	**705.00**
L	**X82-133**	A246	—	1/20	115	3400/2400	—	0.85	CW	Ball	No	7062-3925, 70-24206-01	—	—	6.60	**749.00**
M	**X89-570**	A136	—	1/20	115	3450	—	0.75	CWSE	Slv	No	7062-3861	—	—	5.00	**1099.00**
N	**X82-132**	A244	—	1/20	208-230	3300	—	0.85	CCW	Ball	No	7021-6967, 70-42241-01	—	—	8.70	**995.00**
O	**X89-994**	A245	—	1/15	208/230	3000	—	0.95/0.85	CW	Ball	Yes	70-42278-02	—	—	8.40	**809.00**
P	**X83-726**	66181	PSC	—	115	3120	1	1.13	CWSE	Ball	No	70-102691-81	92	2.4" Dia. Round	6.75	**659.00**
Q	**X83-761**	A074	PSC	—	115	3300	2	0.5	—	Ball	—	70-104157-03	—	No	10.00	**715.00**

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Skymark Draft Inducer Motor

Direct Replacement for Skymark

- Direct replacement for #7021-9136

Order #	Mfg. #	Motor Type	HP	Volts	Speeds	F/L Amps	Wt. Lbs.	Each
X82-135	A251	SP	1/35	208-230	1	1.1	5.2	**709.00**

Trane Draft Inducer Blowers

Direct Replacement for Trane

- **S88-512** has a safety switch

Note: X89-695 is not UL approved.


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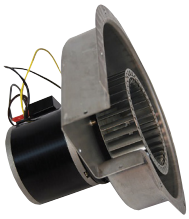
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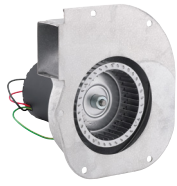
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Fig.	Order #	Mfg. #	Motor Type	HP	Volts	RPM	Speeds	F/L Amps	Rot.	Bearing Type	Safety Switch	Replaces	CFM	Outlet Flange	Wt. Lbs.	Each
A	**X82-738**	66362	—	1/100	115	3000	—	1	CW	Slv	No	7021-8925, BLW00362	—	—	6.25	**649.00**
B	**X82-178**	A370	—	1/100	208-230	2920	—	0.18	CCW	Ball	No	7062-3918	—	—	6.00	**829.00**
C	**X89-580**	A146	—	1/80,1/230	115	3000/2500	—	1.00/0.35	CWSE	Slv	No	7021-7986, 7021-8925	—	—	3.00	**809.00**
D	**X82-105**	A194	—	1/80	115	3000/1950	—	1.0/.5	CW	Slv	No	7021-9561	—	—	5.70	**525.00**
E	**X89-581**	A069	—	1/60	208–240	3000	—	0.50	CCWSE	Slv	No	38040252, 82252	—	—	4.80	**565.00**
—	**X82-151**	A276	—	1/55	115	3000	—	1	CW	Slv	No	7021-9011	—	—	5.30	**655.00**
F	**X89-577**	A143	—	1/50	115	3000	—	0.95	CWSE	Slv	No	7021-8428, 7021-8013, 7021-8924, 7021-9639, 7021-9055	—	—	4.50	**465.00**

continued on next page

DEFINITE PURPOSE MOTORS
3-3/8" OEM Replacement Draft Inducers

Fig.	Order #	Mfg. #	Motor Type	HP	Volts	RPM	Speeds	F/L Amps	Rot.	Bearing Type	Safety Switch	Replaces	CFM	Outlet Flange	Wt. Lbs.	Each
G	**X83-565**	66128	—	2/87	230	3000	1	0.21	CCWSE	Ball	T.O.P.	BLW01310, D965128P01	70	Rectangle	4.9	**245.00**
H	**X82-136**	A260	—	1/45	115	3250	—	1	CW	Ball	No	7058-0261	—	—	5.82	**485.00**
H	**X82-108**	A198	—	1/45	115	3000	—	1.75	CW	Ball	No	7058-0259	—	—	5.80	**469.00**
—	**X82-177**	A369	—	1/45	208-230	2800	—	0.34	CCW	Ball	No	7062-3915	—	—	7.00	**829.00**
—	**X82-173**	A361	—	1/42	115	3000	—	1.6	CW	Ball	No	7002-2558	—	—	6.40	**619.00**
—	**X82-174**	A362	—	1/42	115	3000	—	1.6	CW	Ball	No	7002-3273	—	—	5.90	**595.00**
I	**X89-981**	A192	—	1/40	115	3000	—	1.00	CCW	Ball	No	X38040253057	—	—	5.50	**585.00**
J	**X89-982**	A193	—	1/35	208/240	3480	—	0.59/0.50	CCW	Ball	No	X38040050010	—	—	5.10	**569.00**
K	**X82-179**	A373	—	1/35	208-230	3000	—	0.6	CCW	Ball	No	7021-9396	—	—	5.80	**645.00**
—	**X82-145**	A269	—	1/35	208-230	2500/3000	—	0.58-0.60	CCW	Ball	No	7021-11054	—	—	7.30	**605.00**
L	**X89-594**	66787	—	1/30	120	3000	1	1.2	CCWLE	Ball	No	D330787P01	—	—	6.85	**369.00**
M	**X89-695**	A150	—	1/29	208–230	3000	—	0.50	CCWSE	Slv	No	7021-7833, 7021-8928	—	—	3.60	**565.00**
N	**X82-106**	A196	—	1/25	115	3200	—	1.35	CW	Slv	No	7021-11544S, 7021-11544, 7021-9065	—	—	5.60	**455.00**
—	**X82-172**	A360	—	1/25	115	2700	—	1	CW	Ball	No	7002-2532	—	—	5.80	**595.00**
—	**X82-150**	A274	—	1/24	208-230	3500	—	0.28	CW	Ball	No	7062-3973	—	—	4.20	**1545.00**
O	**X89-564**	A130	—	1/20	115	3450	—	0.70	CWSE	Slv	No	7062-3956	—	—	5.00	**975.00**
—	**X82-147**	A271	—	1/18	208-230	3500	—	0.62	CW	Ball	No	7062-3969	—	—	10.30	**1645.00**
P	**X89-983**	A195	—	1/16	115	3400	—	1.80	CW	Ball	No	D330757P03, D342094P03, X38040313070	—	—	6.20	**489.00**
Q	**X82-146**	A270	—	1/15	208-230	3350/2800	—	.42-.50	CCW	Ball	No	7062-5033	—	—	6.90	**1045.00**
R	**X82-104**	A191	—	1/15	208-230	3000	—	0.8	CCW	Slv	No	7021-6683	—	—	6.40	**739.00**
—	**X82-148**	A272	—	1/12	208-230	3500	—	0.65	CW	Ball	No	7062-3971	—	—	6.00	**1645.00**
—	**X82-149**	A273	—	1/8	208-230	3500	—	0.62	CW	Ball	No	7062-3972	—	—	6.00	**1645.00**
S	**X82-107**	A197	—	VAR	33-110	1500-4700	—	1	CW	Ball	No	7092-0238S, 7092-0238	—	—	5.80	**625.00**
T	**X83-725**	66311	PSC	—	208-230	2800/1500	2	0.21/0.16	CCWSE	Ball	No	BLW01311, D965130P01, Y3S-248B51A, 10563	83/43	—	5.85	**279.00**
T	**X83-760**	A070	Shaded Pole	—	115	3400	1	2.35	—	Ball	—	70-104157-02	—	No	10.00	**595.00**
U	**X83-759**	A277	Perma-nent Split Capacitor	—	120	3300	2	0.60/0.36	—	Ball	—	D345183P01; BLW01401	—	No	10.00	**1045.00**



A



B

Williamson Draft Inducer Blowers

Direct Replacement for Williamson

- **S88-841** replaces Williamson #02-568, #7021-5510
- **X89-520** replaces Williamson 100,000 Btu furnaces, #7021-6999, #7021-7042

Note: X89-520 leads may require some modification on certain replacements.

Fig.	Order #	Mfg. #	HP	Volts	RPM	F/L Amps	Rot.	Bearing Type	Safety Switch	Wt. Lbs.	Each
A	**S88-841**	A080	1/45	115	3000	1.10	CWSE	Slv	No	5.25	**619.00**
B	**X89-520**	A118	1/15	115	3000	1.80	CWSE	Slv	No	6.50	**745.00**

Hundreds of Thousands of OEM Solutions at Your Fingertips

For all of your AC needs *supporting you from installation and beyond*

YORK INSTALL CONFIDENCE · PARTNERS choice · ARMSTRONG AIR The Professional's Choice · Coleman HEATING AND AIR CONDITIONING · A.O. Smith · Goodman Air Conditioning & Heating · SOURCE1 HVAC Service Parts · FRIEDRICH · Amana · FUJITSU · ALLIED Air Enterprises · DAIKIN



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York Draft Inducer Blowers

Direct Replacement for York

Note: X89-571 is PSC and does not include capacitor; use **G21-928**.


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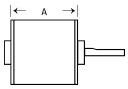
Fig.	Order #	Mfg. #	Motor Type	HP	Volts	RPM	Speeds	F/L Amps	Rot.	Bearing Type	Safety Switch	Replaces	Outlet Flange	Wt. Lbs.	Each
A	**X83-753**	A238	Shaded Pole	—	115	2750	1	1.2	—	Sleeve	—	5426425; 348572	No	10.00	**849.00**
B	**S88-511**	A063	—	1/56	230	3000	—	0.60	CCWSE	Ball	No	York 2622239, 7021-4314	—	5.00	**625.00**
C	**X83-754**	A239	Shaded Pole	—	115	2750	1	0.75	—	Sleeve	—	5426426; 5426424	No	10.00	**849.00**
D	**X82-739**	82702	—	1/50	115	3000	—	1.2	CCW	Slv	No	York 373-10337-702	—	6.2	**425.00**
E	**X89-518**	A083	—	1/50	230	3000	—	0.80	CCWSE	Ball	Yes	York 026-16323-0000, 026-20224-000, 7021-1373	—	4.75	**645.00**
F	**X82-122**	A221	—	1/40	208-230	3000	—	0.55	CCW	Slv	No	7062-5048, 7062-4743	—	6.90	**1145.00**
G	**X89-578**	A144	—	1/40	208–230	3000	—	0.50	CWSE	Slv	Yes	7021-6770	—	5.20	**855.00**
H	**X89-988**	A222	—	1/35	115	3000	—	1.05	CCW	Ball	No	026-32067-000 and 026-32067-700	—	4.10	**735.00**
I	**X82-125**	A226	—	1/35	115	3000	—	1.70	CW	Ball	No	7002-3285, 7002-2941	—	4.50	**645.00**
J	**X89-989**	A223	—	1/35	208/230	3200	—	0.64	CW	Slv	No	026-33999-001	—	5.60	**605.00**
K	**X82-083**	A154	—	1/30	115	3000	—	1.20	CW	Slv	No	7021-9428	—	5.20	**515.00**
L	**X89-571**	A137	—	1/25	115	3450	—	0.70	CWSE	Slv	No	7062-2442, 7062-3958	—	5.00	**595.00**
M	**X89-990**	A227	—	1/25	115	3450	—	0.70	CW	Slv	No	024-27641-000	—	6.10	**1345.00**
N	**X82-126**	A228	—	1/25	115	3000	—	2.00	CW	Ball	No	7058-0267S, 7058-0267	—	7.00	**549.00**
O	**X82-127**	A229	—	1/25	115	3000	—	1.75	CW	Ball	No	7062-5094S, 7021-5094	—	6.40	**489.00**
P	**X82-128**	A230	—	1/20	115	3450	—	0.80	CW	Slv	No	7021-10213	—	7.00	**1445.00**
Q	**X82-091**	A168	—	1/20	115	3450	—	0.70	CW	Ball	No	7021-5838, 7021-7217, 7021-9054	—	5.70	**1045.00**
R	**X82-124**	A225	—	1/15	115	3200	—	2.25	CW	Slv	No	7058-0266, 7058-0266S	—	4.80	**675.00**
S	**X82-130**	A234	—	1/12	208-230	3200	—	0.50	CW	Ball	No	7062-5155	—	3.50	**1445.00**
U	**X83-751**	A235	Shaded Pole	—	115	3000	1	2.63	—	Sleeve	—	1183211; 5445639; 341449	No	10.00	**475.00**
V	**X83-752**	A236	Permanent Split Capacitor	—	115	3300	2	0.58/0.27	—	Ball	—	438144	No	10.00	**569.00**

marathon Motors





Whole House and Exhaust Fan Motors
Belt Driven, Split-Phase, 115 Volts, 60 Hz, 1725 RPM

Features:
- Terminal board on shaft extension end of motor, resilient base included
- Automatic reset thermal protector, all-angle sleeve bearing, 1.0 Service Factor
- **S88-252** and **S88-941**: NEMA 48 frame
- **S88-253**: 56Z frame and includes a 5/8" shaft adapter key

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Each
S88-252	048S17D997	5-5/8"	1/3	115	1725	1	6.60	1/2"	1-1/2"	CCW	6-3/4"	7-1/4"	Slv	14.0	**475.00**
S88-941	048S17D7209	5-5/8"	1/3	115	1725	2	5.30	1/2"	1-1/2"	CCW	8"	8-3/8"	Slv	21.0	**715.00**
S88-253	056S17D2062	5-5/8"	1/2	115	1725	1	7.80	1/2"	1-7/8"	CCW	7-1/2"	7-31/32"	Slv	18.0	**619.00**

Packard



Replacement Blade
For Lomanco Attic Ventilator Motors

Order #	Size	Rot.	Pitch	Blades	Hub Location	Hub Bore	Std. Pk.	Wt. Lbs.	Each
W89-220	12"	CW	45°	5	Discharge	1/2"	1	2	**59.00**

Packard



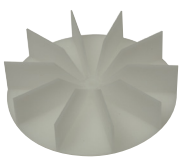
Ventilation and Refrigeration Universal Motor Kits
- **S58-464** and **S58-465** kits include 4" and 5-1/2" fan blades, mounting brackets, 1/4" and 5/16" shaft adapter and hub adapter
- **S58-464** comes with plug
- **S58-466** kit includes mounting bracket, 1/4" and 5/16" shaft adapters, and hub adapter for installing hubless style fans

Order #	Mfg. #	Stack Height	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S58-464	65670	5/8"	115	3000	1	0.50	30%	3/16"	1-1/4"	CWSE	Slv	1.5	**69.00**
S58-466	65673	5/8"	120	3000	2	0.60	30%	3/16"	1-1/2"	CWSE	Slv	1.5	**95.00**



Vent Fan and Range Hood Replacement Motors
- **S58-457** replaces Nutone #65878 and many other popular vent fans; standard 2-prong plug
- **S58-458** replaces Nutone #52367 and many other popular 2-speed range hood motors
- Special molded plastic plug matches original, 6" leads, thermally protected, rotation viewing shaft

Order #	Mfg. #	Stack Height	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S58-458	65101	7/8"	120	3000	2	1.20	30%	7/32"	1-7/16"	CWSE	Slv	2.0	**85.00**



Fan Blade
- Exact replacement plastic impeller for Broan 9910379H

Order #	Mfg. #	Diam.	Hub Bore	Each
S58-447	FB460	4-9/16"	0.218"	**6.39**

Packard



Replacement Motor Kit
For Bath Fans Manufactured by Nutone
- Direct replacement motor kit for motors found in Nutone bath fans
- Kit includes single-speed motor, 3-3/4" x 2" blower wheel and mounting bracket
- Replaces Nutone motor #K5895 and motor kit #K5894
- Includes 6" leads with molded plug like original

Order #	Mfg. #	Stack Height	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S58-641	65894K	3/4"	120	3000	1	0.90	30%	7/32"	2-3/8"	CCWSE	Slv	1.5	**185.00**

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Replacement Motor Kit

For Bath Fans Manufactured by Nutone

- Shaded pole, single-speed replacement motor for Nutone bath fans
- Kit includes motor, blower wheel, mounting bracket and mounting hardware
- Sleeve bearings
- Direct replacement for Nutone motor #C-K1162 and Nutone assembly #89423-000



Order #	Mfg. #	Stack Height	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S88-927	82423K	1/2"	115	3000	1	0.70	30%	7/32"	1-1/2"	CWSE	Slv	1.5	**145.00**

Ventilation Motor with Impeller

Replacement for Nutone, Gemline, and Bohn

- For use with evaporators, refrigerators, range hoods, ventilators, exhaust fans and unit heaters
- Shaded pole
- Sleeve bearings
- Stud mount
- Rotation is determined by viewing the shaft end
- Impeller measures 4-5/8" x 1"



Order #	Mfg. #	Watts	Stack Height	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S59-513	65112	5	5/8"	120	3000	1	0.76	7/32"	1-3/4"	CCWSE	Slv	2.5	**129.00**

Replacement Motors

For Ventilators Made by Aubrey, Broan, Nutone and Air King

- 120V, 60 Hz, thermally protected
- **S58-760** and **S58-214** come with 2-prong plug
- Mounting studs 6-32 x 1/2" L
- **S58-214** and **S58-760** are not CSA approved



Order #	Mfg. #	Stack Height	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Replaces	Each
S58-214	65102	5/8"	120	3000	1	0.40	30%	7/32"	2-3/8"	CWSE	Slv	0.5	—	**89.00**
S58-760	65709	5/8"	120	3000	1	0.80	30%	7/32"	2-3/8"	CCWSE	Slv	1.5	—	**129.00**
S59-531	65104	3/4"	120	3000	1	0.74	30%	7/32"	1-3/4"	CCW	Slv	1.5	Nutone: 57769; 57769000; C66582	**85.00**
S59-530	65103	7/8"	120	3000	1	0.71	30%	7/32"	1-1/8"	CCW	Slv	1.7	Nutone: 57768; 63675; 63675-000; 63675000; C63675	**85.00**
S59-532	65105	7/8"	120	3000	2	0.88	30%	7/32"	1-7/16"	CCW	Slv	1.7	Nutone: C27987	**55.00**
S58-467	65467	7/8"	120	3000	2	1.00	30%	7/32"	2-3/8"	CWSE	Slv	1.0	—	**149.00**
S58-468	65468	1-3/8"	120	3000	2	1.40	30%	7/32"	2-3/8"	CWSE	Slv	0.5	—	**205.00**

Fan Blade

For Broan Fans

- 12° pitch
- Push-on
- For use with 99080218 (40000 series) range hood

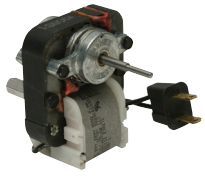


Order #	Replaces	Size	Rot.	Blades	Each	10 Lot
S58-439	99020123 06118-00	6-5/8"	CW	5-Wing	**9.45**	**8.65**

Direct Replacement Motors

For Broan Bathroom Ventilators

- Direct replacement "C" frame motors and matching wheels for Broan ventilators
- 120V, 60 Hz
- Plastic impeller wheels
- Parts may be adapted to fit many other brands of ventilators using similar motor and wheel assemblies



A



B

Fig.	Order #	Mfg. #	Stack Height	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Replaces	Each
A	**S58-461**	65216	5/8"	120	3000	1	0.51	40/221"	1-1/2"	CCWSE	Slv	1.3	998080090, 99080216	**89.00**
A	**S58-497**	S9980166	7/8"	120	—	1	—	7/32"	1-7/32"	CCW	—	—	—	**125.00**
B	**S59-439**	65094	7/8"	120	3000	1	1.40	7/32"	1-3/8"	CCW	—	—	99080094, 99080099, 99080166	**99.00**

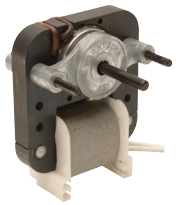
Packard



Impeller Wheel

- **S58-462** replaces Broan #99110379

Order #	Description	Diam.	Width	Hub Bore	Each
S58-462	CCW, D-Push-On	4-9/16"	1"	0.181"	**8.95**



Shaded Pole, C-Frame Motors

- For air coolers, displays, kitchen fans, portable room heaters, food dehydrators and applications where a tight fit is mandatory
- Shaft rides on self-aligning, pre-oiled, sintered bearings for long life and minimum noise
- All motors have thermal protection (either impedance protection or thermal device)
- Clockwise rotation facing output shaft, direction reversed by changing motor field
- Two #6-32 stud bolts extending 1/2" from stack on 1-7/8" centers; two 5/32" mounting holes on each side of stack on 1-7/8" centers; 60 Hz

Order #	Mfg. #	HP	Stack Height	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S58-428	65428	1/30	1-1/2"	240	3000	1	0.88	30%	1/4"	1"	CWSE	Slv	3.0	**269.00**

FASCO



Fasco Fan and Heater Motors

- **S58-558** is designed as a replacement for Fasco 115V motors used in range hoods and bath vents
- **S58-559** is a 230V Fasco wall heater motor
- Both are shaded pole, two pole, single-speed with large oil reserves and heavy-duty bearings to provide extended life without relubrication

Order #	Mfg. #	HP	Stack Height	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S58-558	K100	1/100	5/8"	115	2750	1	0.73	28%	40/221"	1-1/8"	CWSE	Slv	1.5	**155.00**
S58-559	K101	1/150	1-1/4"	230	1260	1	0.52	28%	3/16"	1-5/16"	CCWSE	Slv	2.1	**245.00**

EM&S



Unit Bearing Agitator Motors

For Ice Machines and Beverage Dispensers

- Direct replacements for ice machines and beverage dispensers manufactured by Cornelius, Scotsman, Reed, Vendo, Alco, Booth, Rowe and others
- **S58-537** and **S58-538** have threaded shafts 1/4"-20 by 1/2" long at shaft end
- **S58-539** has two pin holes #52 approximately 3-1/2" apart
- **S58-662** shaft has 3/4" flat
- **S58-540** has one pin hole 0.095" diameter 3/8" from end of shaft
- Stainless steel shafts match originals
- Each motor comes packed with 11 #8-36 screws for mounting
- Overload protected
- Cast iron body

Order #	Mfg. #	Diam.	Watts	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Each
S58-537	ESP-L15EMJR1	3-25/32"	15	115	1500	1	0.60	5/16"	5"	CCWSE	**275.00**
S58-538	ESP-L15EMJR1B1	3-25/32"	15	115	1500	1	0.60	5/16"	7"	CCWLE	**299.00**
S58-539	ESP-L15EMJ1B4	3-25/32"	15	115	1500	1	0.60	5/16"	9"	CWSE	**285.00**
S58-662	ESP-OL15EMJR11	3-25/32"	15	115	1500	1	0.60	5/16"	7"	CCWSE	**275.00**
S58-540	ESP-L25MJR1B1	3-25/32"	25	115	1500	1	1.10	5/16"	7"	CCWSE	**279.00**

marathon Motors



Carbonator Pump Motors

Split-Phase

Applications:
- Carbonator pumps, direct drive gear and vane-type pumps, utility pumps

Features:
- Continuous duty, 40°C ambient
- Automatic reset thermal protector
- 5/8" quiet all-angle bearings
- Open dripproof enclosure
- Thrust bearing carries up to 25 lbs. end thrust

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Rot.	Bearing Type	Wt. Lbs.	Each
S88-821	5KH32DN5587X	5-5/8"	1/4	115	1725	1	5.00	CCW	Slv	12.0	**455.00**
S88-842	5KH32GNB811X	5-5/8"	1/3	100-120/200-240	1725	1	5.60	Rev.	Ball	14.0	**539.00**
S88-822	5KH32FN5586X	5-5/8"	1/3	115	1725	1	5.60	Rev.	Slv	12.0	**435.00**

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Carbonator Pump Motors

Close Coupled Resilient Mount

Applications:
- Designed for use on carbonator and liquid transfer pumps
- Used for under-the-counter beverage dispensing equipment

Features:
- Specially designed end shield with extended hub and short slotted 5/8" diameter shaft, which enables close coupled pump to be mounted directly to motor
- Split-phase, automatic overload protection, sleeve bearing, reversible, 3" shaft height
- Base mounting holes 4-1/4" x 2-3/4", 48Y frame



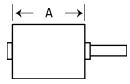
Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S88-064	1004	5-5/8"	1/4	115	1725	1	4.60	57%	5/8"	1/2"	Rev.	SAB	15.0	**555.00**
S88-619	6001	5-5/8"	1/4	115/230	1725	1	4.40	56%	5/8"	1/2"	Rev.	SAB	16.0	**769.00**
S88-092	1003	5-5/8"	1/3	115	1725	1	6.00	54%	5/8"	1/2"	Rev.	SAB	16.0	**609.00**
S88-620	6079	5-5/8"	1/3	115/230	1725	1	6.20	65%	5/8"	1/2"	Rev.	SAB	16.0	**905.00**
S88-621	6078	5-5/8"	1/2	115/230	1725	1	7.50	68%	5/8"	1/2"	Rev.	SAB	17.0	**1099.00**

Evaporative Cooler Motors

Split-Phase, All Copper Windings

Features:
- 56Z frame
- Zinc-plated governor parts
- Moisture resistant terminal board
- Open construction
- Automatic reset overload protector
- Class B insulation
- 7-1/2" ring to ring dimension





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S88-845	VB2054V1	6-1/2"	1/2	115	1725	1	7.60	60%	1/2"	1-1/2"	CCWLE	5-3/8"	Ball	14.8	**405.00**
S89-909	OTEB2054AV1	6-1/2"	1/2	115	1725	1	8.00	60%	1/2"	1-1/2"	CWLE	5-3/8"	Ball	16.7	**819.00**
S89-913	SV2104L	6-1/2"	1-1/3	115	1725/1140	1	12.70/7.60	60%	1/2"	1-1/2"	CCWLE	5-3/8"	Slv	28.5	**1099.00**

Evaporative Cooler Motors

Applications:
- Replacements for Arctic Circle, Wright, Universal, Alpine, Champion, Phoenix and other coolers with built-in base

Features:
- Split-phase, resilient rings, base and clamp not included
- Motors have external oil ports and are manufactured using the Emerson Moisture Resistant System (EMR) that includes epoxy painted rotors, plastic coated switches and actuators
- Automatic thermal overload protection
- Includes 2-1/2" mounting ring



Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S88-072	6767	6-3/10"	1/3	115	1725	2	6.40	43%	1/2"	1-3/5"	CWSE	Ball	17.0	**529.00**
S89-219	6766	6-3/10"	1/2	230	1725	1	4.80	65%	1/2"	1-3/5"	CWSE	Ball	19.0	**665.00**
S88-074	6765	6-3/10"	1/2	115	1725	2	8.20	48%	1/2"	1-3/5"	CWSE	Ball	16.0	**555.00**
S88-363	6795	6-3/10"	1/2	230	1725	2	4.50	49%	1/2"	1-3/5"	CWSE	Ball	19.0	**695.00**
S88-075	6769	6-3/10"	3/4	115	1725	1	10.50	64%	1/2"	1-3/5"	CWSE	Ball	18.0	**615.00**
S89-220	6771	6-3/10"	3/4	230	1725	1	5.40	69%	1/2"	1-3/5"	CWSE	Ball	20.0	**805.00**
S88-076	6770	6-3/10"	3/4	115	1725	2	10.90	59%	1/2"	1-3/5"	CWSE	Ball	19.0	**765.00**
S88-364	6796	6-3/10"	3/4	230	1725	2	5.50	57%	1/2"	1-3/5"	CWSE	Ball	19.0	**895.00**

"Copper Line" Special Feature Evaporative Cooler Motor

Applications:
- For swamp coolers and other applications in high moisture areas

Features:
- All copper windings, oil ports for reoiling, thru-bolts, phosphatized shaft and hardware, zinc chromate rotor core
- Shells painted inside and out, studs and QC connectors on terminal board
- CWSE, includes 2-1/2" mounting rings



Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S88-455	7098	6-3/10"	1/2	115	1725	2	8.20	51%	1/2"	1-3/5"	CWSE	SAB	19.0	**725.00**

Moisture Resistant Motors

For Swamp Coolers and Other Equipment in High Moisture Areas



Features:
- Epoxy finished rotor core, stator bore, resilient mount, sleeve bearing
- 115VAC, 60 Hz, 40°C ambient, 1.0 Service Factor, class B insulation, continuous duty
- Dripproof design, 5/8" shaft adapter furnished where necessary
- **S88-414** and **S88-415** are capacitor start design
- **S88-416** is split-phase

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S88-414	2574	6-3/10"	1-1/3	115	1725	2	13.60	73%	5/8"	1-9/10"	Rev.	SAB	35.0	**1399.00**
S88-415	2423	6-3/10"	1-1/3	230	1725	2	7.20	66%	5/8"	1-9/10"	Rev.	Ball	34.0	**1499.00**
S88-416	5149	6-3/10"	1	115/230	1725	1	15.10	73%	5/8"	1-9/10"	Rev.	Ball	27.0	**1399.00**

Motor Base



- Designed for US Motors 56Z frame cooler motors listed above (7-1/2" length) 1/3 through 3/4 HP

Order #	Mfg. #	Description	Each
S58-285	KIT-51	Motor Base	**79.00**

Motor Base



- Designed for 56Z frame cooler motors (7-1/2" length), 1/3 through 3/4 HP

Order #	Mfg. #	Description	Base Length	Wt. Lbs.	Each
S58-971	2724	Motor Base	7 7/16"	1.62	**33.49**

Motor Clamps



- For use with standard 2-1/2" resilient motor mounting rings for 1/3 through 1 HP cooler motors
- Set of two

Order #	Mfg. #	Description	For Use With	Each
S58-970	2710	Motor Clamps	Use With Motor Base 2724	**3.29**

Zinc Blower Pulleys



Order #	Mfg. #	Diam.	Hub Bore	Wt. Lbs.	Each
B81-966	6328	11"	3/4"	2.04	**55.00**
B81-967	6330	11"	1"	2.1	**55.00**
B81-968	6340	14"	3/4"	2.96	**75.00**
B81-969	6341	14"	1"	2.86	**75.00**

C-Face Commercial Farm Duty Pump Motors

56C Frame, Totally Enclosed Fan Cooled, Single-Phase



A



B

Applications:
- Commercial and industrial pumps, centrifugal and hydraulic pumps, machine tools and other equipment requiring NEMA C-face mounting configurations in dusty or dirty areas

Features:
- NEMA C-face mounting
- NEMA service factor
- Reversible rotation
- No thermal protection
- Fig. A: no base
- Fig. B: welded base
- Capacitor start

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
A	**S89-359**	5KC32GN25	6-3/10"	1/4	115/230	1725	1	5.40	5/8"	2"	Rev.	Ball	14.0	**769.00**
A	**S89-357**	5KC35MN73	6-3/10"	1/3	115/230	1725	1	6.00	5/8"	2"	Rev.	Ball	17.0	**885.00**
B	**S89-365**	5KC35MN145	6-3/10"	1/3	115/230	1725	1	6.00	5/8"	2"	Rev.	Ball	17.0	**895.00**
A	**S89-358**	5KC42GN0018	6-3/10"	1/2	115/230	1725	1	8.60	5/8"	2"	Rev.	Ball	21.0	**1045.00**
A	**S89-362**	5KC46PN0032	6-3/10"	3/4	115/230	1725	1	11.00	5/8"	2"	Rev.	Ball	31.0	**1245.00**

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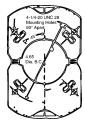
Hot Water Circulating Pump Motor

Replacement for Bell & Gossett, Split-Phase, Frame 48Y

Applications:
- Designed specifically as a replacement for Bell & Gossett hot water circulating pumps

Features:
- Special mounting bracket for direct interchangeability
- Split-phase, automatic reset thermal protector
- 1.0 Service Factor





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S88-290	OBG2004	5"	1/8	115	1725	1	3.10	60%	1/2"	5/8"	Rev.	Slv	11.5	**865.00**

Replacement for Miller Furnace Motor

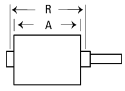
Shaded Pole

- Direct replacement for Miller

Applications:
- Direct replacement for Miller stock #MG8260, MMG82CG and MHLO-85; Duotherm #760R and Preway Mark series furnaces

Features:
- Two conductor leads, 21" long, with molded plug
- Mounting rings included, 12" ground lead attached





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Each
S88-434	OML6418	5"	1/7	115	1050	1	4.70	35%	1/2"	3-1/16"	CCWOSE	3-3/8"	4-1/16"	Slv	8.7	**535.00**

RV Blower Motors

Applications:
- Furnace fans, blowers, unit heaters, ventilators
- **S89-908** replaces F42C40A61, 3105054.005
- **S89-906** replaces 6757B311
- **S89-907** replaces F42B50A01, 1468A304



A



B



C

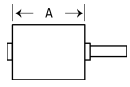


Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
RV Motors																
A	**S89-908**	ORV4540	5"	1/5	115	1650	3	2.50	35%	1/2"	4" x 2-1/2"	CCWLE	3-7/8"	Slv	10.1	**565.00**
B	**S89-906**	ORV4538	5"	1/4	115	1625	2	3.10	35%	1/2"	5-3/4" x 5-3/4"	CWLE	3-5/8"	Slv	9.7	**529.00**
C	**S89-907**	ORV4539A	5"	1/3	115	1675	2	3.40	35%	1/2"	7-1/8" x 3-1/2"	CWLE	3-7/8"	Slv	11.1	**565.00**

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Critical installation supplies

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Century

Aaon Direct Replacement Motors

- **S81-665** replaces F48S08A27-P48470
- **S81-666** replaces F48A11A27C-P63010
- **S81-667** replaces F48K44A27C-P85460
- **S81-668** replaces F48U09A27-R17470
- **S81-669** replaces F48R38A27C-P99140
- **S80-157** replaces F48K04A27


A


B


C


D


E


F

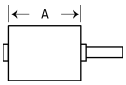


Fig.	Order #	Mfg. #	HP	Volts	RPM	F/L Amps	Rot.	"A" Dim.	Bearing Type	Replaces	Each
A	**S81-665**	OAN470	1/4	460/380-415	3200	0.90	CCWLE	5-1/2"	Ball	F48S08A27-P48470	**1045.00**
B	**S81-666**	OAN010	1/3	460	1100	1.00	CCWLE	4-3/4"	Ball	F48A11A27C-P63010	**949.00**
C	**S81-667**	OAN460	3/4	208-230	1075	5.40	CCWLE	7-3/8"	Ball	F48K44A27C-P85460	**995.00**
D	**S81-668**	OAN747	3/4	460	1075	2.00	CCWLE	7-1/4"	Ball	F48U09A27-R17470	**1399.00**
E	**S81-669**	OAN140	3/4	460	1075	2.80	CCWLE	6-3/8"	Ball	F48R38A27C-P99140	**1445.00**
F	**S80-157**	OAN1076V1	3/4	460/380-415	1075-920	2.80	CCWLE	7-3/8"	Ball	F48SP6V9	**1099.00**

Packard

Acme Miami/Frigidaire Evaporator Direct Replacement Fan Motor Kit



- Break-off shaft with adapters
- 3000 RPM
- Kits come complete with shaft adapters and mounting accessories
- **S58-443** includes housing for Frigidaire, OEM style adapters and brackets for most refrigerators; replaces Mars #90999

Order #	Mfg. #	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S58-443	65249	1/100	120	3000	1	0.80	30%	1/8"	2-1/2"	CWSE	Slv	1.0	**75.00**

marathon Motors

Acme Engineering Direct Replacement Fan and Blower Motor



- Direct replacement for #5KH33FN158
- Dripproof, single-speed, split-phase
- 48Z frame, ball bearing, resilient base

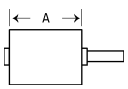
Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S89-311	5KH32FN3083	5-5/8"	1/4	115	1725	1	5.10	1/2"	1-7/8"	Rev.	Ball	14.0	**475.00**

Century

Addison Direct Replacement Blower Motor



- 48Y frame
- 1075 RPM
- Semi enclosed
- Ball bearing
- Automatic thermal protection



Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Replaces	Capacitor To Match	Each
S89-902	OAD1106	5-5/8"	1	208-230/460	1075	1	6.20	60%	5/8"	3-1/2"	CCWLE	6-1/8"	Ball	20.0	811N-0064A, F48F07B65	G21-897	**1199.00**

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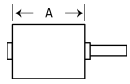
Armstrong/Ducane/Goodman and Lennox Direct Replacement Motors

Condenser Fan Motors

- 42 Frame
- TEAO
- "Clam-shell" and PSC design
- 42" leads





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S81-007	2243	5"	1/10	208-230	1075	1	0.75	63%	1/2"	2-7/10"	Rev.	4-1/8"	SAB	9.0	G21-930	**529.00**
S81-009	2249	5"	1/8	208-230	1075	1	0.90	63%	1/2"	2-7/10"	Rev.	4-1/8"	SAB	10.0	G21-930	**535.00**
S81-008	2246	5"	1/5	208-230	1075	1	1.60	63%	1/2"	2-7/10"	Rev.	4-1/8"	SAB	10.0	G21-930	**475.00**
S81-011	2250	5"	1/4	208-230	1075	1	1.70	63%	1/2"	2-7/10"	Rev.	4-1/8"	SAB	11.0	G21-930	**479.00**

Bell & Gossett Motors

Single-Speed, 1725 RPM, Single-Phase

- Single-Speed, 1725 RPM, Single-Phase

Features:

- Manufactured to rigid Bell & Gossett specifications to ensure quiet, dependable performance, including immediate start-up on system demand even after seasonal shutdowns
- Resilient mounted, with oil lubricated bronze sleeve bearings
- **S88-377** is 5" diameter, **S88-376** is 6" diameter
- **S88-417** is for 60 series pumps, **S88-419** and **S88-420** are for PD and 60 series pumps, **S88-481** is for 2-1/2" and LD3 pumps



Order #	Mfg. #	Description	Rot.	Service Factor	Volts	F/L Amps	HP	RPM	Wt. Lbs.
S88-375	111034	Power Pack	CWSE	1.40	115	1.75	1/12	1725	11
S88-377	111061	Power Pack	CWSE	1.35	115	2.40	1/6	1725	12
S88-376	111031	Power Pack Sleeve Bearing	CWSE	1.35	115	2.40	1/6	1725	18
S88-417	169035	—	CCWSE	1.35	115	4.90	1/4	1725	23
S88-481	111040	Power Pack Sleeve Bearing	CWSE	1.35	115	5.40	1/4	1725	21
S88-418	111042	Power Pack Sleeve Bearing	CWSE	1.35	115	4.20	1/3	1725	25
S88-419	111044	—	CCWSE	1.25	115/230	5.20/2.60	1/2	1725	25
S88-420	111047	—	CCWSE	1.25	115/230	7.00/3.50	3/4	1725	31

Bohn Direct Replacement Motors

Evaporator Coil And Refrigerator Fan Motors

- Direct replacements for Bohn refrigeration coil
- Shaded Pole or PSC



A



B

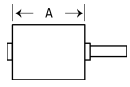


Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Replaces	Each
Shaded Pole																	
A	**S58-485**	D1124	3-3/8"	1/20	115	1550	1	2.10	35%	5/16"	3"	CWSE	3"	Slv	4.5	Bohn 5034LS, 5034L, 5008SS and 50085	**289.00**
A	**S58-486**	D1126	3-3/8"	1/15	230	1550	1	1.10	35%	5/16"	3"	CWSE	3-1/2"	Slv	4.5	Bohn 5008TS, 5008T, 5034MS and 5034M	**299.00**
PSC																	
B	**S58-776**	D1125	3-3/8"	1/12	208-230	1550	1	0.50	65%	5/16"	2-5/8"	CCWSE	3-3/4"	Slv	3.6	7190-0442	**365.00**

Packard



Bohn Direct Replacement Evaporator Motor

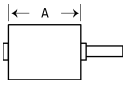
- Direct replacement for Bohn commercial evaporator motors
- Supplied with stand-offs and screws for other Bohn applications

Order #	Mfg. #	Stack Height	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S58-522	65691	5/8"	110	3000	1	0.64	30%	0.181"	1-3/8"	CWSE	Slv	1.0	**149.00**

FASCO

Broan Direct Replacement Kitchen/Bath Ventilator Motors

- Shaded pole, single-speed direct replacement motors for Broan kitchen and bath ventilators
- Sleeve bearing
- Molded plug like the originals
- **S59-099** replaces Broan #97009752
- **S59-472** replaces Broan #99080345 and Universal #JA2C229
- **S59-473** replaces Broan #99080274 and #99080273 and Universal #JA2M373 and #JA2C396




A

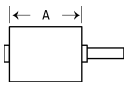

B


C

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Replaces	Each
A	**S59-473**	D633	3-3/8"	1/50	120	1400	1	0.70	35%	5/16"	1-5/16"	CWSE	2-1/2"	Slv	2.4	99080274, 99080273, JA2M373, JA2C396	**265.00**
B	**S59-472**	D632	3-3/8"	1/45	120	1625	1	1.30	35%	1/4"	1-1/2"	CCWSE	2-3/4"	Slv	2.0	99080345, JA2C229	**89.00**
C	**S59-099**	40752	3-3/8"	1/40	120	1500	1	1.30	35%	1/4"	1-1/2"	CCWSE	2-1/8"	Slv	2.6	97009752	**135.00**

BROAN

Broan Direct Replacement Attic Ventilator Motor



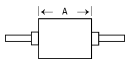


- This Broan #97009317 single-speed shaded pole motor is an exact replacement motor used in Broan models #340, 343, 345, 350, 353 and 355
- Thermally protected

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Wt. Lbs.	Each
S88-531	S97009317	5-1/16"	1/10	115	1090	1	4.30	30.0%	1/2"	1-15/16"	CWSE	2-9/16"	7.0	**1045.00**

Packard

Broan Direct Replacement Motor





- Replaces Broan # 99080267 and # 97009317
- Sleeve bearing
- 42 frame
- Stud mount
- Auto overload
- Single-speed, 60 Hz

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S80-260	69316	5"	1/10	115	1100	1	3.40	35%	1/2"	3-7/8"	CWSE	2.25"	Slv	7.0	**345.00**

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Broan Direct Replacement Evaporator Motor

- Direct replacement for Broan #99080159
- Shaded pole
- Sleeve bearing
- Automatic overload
- Rotation is determined by viewing the shaft end



Order #	Mfg. #	Stack Height	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Replaces	Each
S59-511	65159	7/8"	120	3000	1	0.71	1/4"	2-3/4"	CCWSE	Slv	99080159	**129.00**

Bryant Direct Replacement Room Air Conditioner Motor

- Direct replacement for Bryant

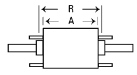
Applications:

- PSC replacement for the original # F48HXBNR1077 and F48HXZM-1367 used in Bryant units; may be adapted to other air conditioning and fan coil units with the length adaptor kit (supplied)

Features:

- Thermally protected
- Shaft length is same on both ends



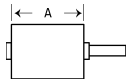


Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S81-179	1221P	5"	1/4	230	1550	3	3.40	63%	1/2"	8"	Dbl. Shaft	4-3/8"	5" – 6-1/4"	SAB	14.0	G21-930	**665.00**

Bryant/Carrier Direct Replacement Motor

- Direct replacement for Emerson K55HXLKK-5918 and Carrier #HC41VB701
- 2-speed, 230V PSC
- Pre-mounted lugs for easy installation
- Capacitor not included



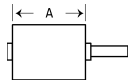


Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S82-400	OCB1036A	5-5/8"	1/3	208-230	1075	2	2.50	60%	1/2"	4-3/8"	Rev.	4"	Slv	16.0	G21-931	**549.00**

Bryant/Payne Direct Replacement Condenser Fan Motor

- Direct replacement for Bryant #HC35VE-230, Emerson #K1543 and KA55CGD-9658, Franklin #8735560170B1 and Payne #5651AJX034000AEAA
- Single-speed PSC motor
- Band mounted, totally enclosed
- Capacitor not included

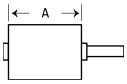




Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-654	D847	5-5/8"	1/8	208-230	1125	1	0.96	65%	1/2"	3-1/2"	CCWSE	3-3/4"	Slv	9.0	G21-930	**745.00**

FASCO





Buck Direct Replacement Wood Stove Motor

- Direct replacement motor used in Buck brand wood stoves
- 3-speed
- Band mounting; 4" O.D. with cooling band
- Replaces Fasco #7163-6045 and RMR #R22CCW270ZD

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S88-680	D1138	3-3/8"	1/50-1/140	115	1550	3	0.88	35%	5/16"	2-1/2"	CWSE	4"	Slv	4.1	**425.00**

Packard



Carrier/BDP Direct Replacement Combustion Blower Motors

- Direct replacement for Carrier/BDP

Applications:
- Direct replacement for high-efficiency combustion blower motors

Features:
- Leads and plug assembly duplicate original, thermally protected ball bearing

Order #	Mfg. #	Stack Height	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Replaces	Each
S58-569	65569	1-1/2"	115	3300	1	1.80	30%	5/16"	1" x 1-7/8"	CWSE	Ball	4.0	HC21ZE117B and HC660-005	**429.00**
S58-570	65570	1-1/2"	230	3000	1	0.80	30%	5/16"	1" x 1-7/8"	CWSE	Ball	4.0	HC-24E-230	**425.00**

Packard



Carrier/BDP Direct Replacement Draft Inducer Motors

- Direct replacement for Carrier/BDP Draft

Applications:
- Replacements for motors used in Carrier and BDP high-efficiency furnaces

Features:
- **S88-516** replaces BDP #251-2916 and 251-2918, Carrier #HC23UZ121A used in BDP units #376B, 395B and 397H
- **S88-517** replaces BDP #P251-2307, Carrier #HC27UE120 used in unit #398A (90 plus)
- Both motors feature special lead and plug assembly, stainless steel shaft and class B insulation
- Rotation: CWSE

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S88-516	82121	3-3/8"	1/33	115	3000	1	1.10	35%	5/16"	2-1/8"	CWSE	3-3/8"	Slv	4.0	**305.00**
S88-517	82180	3-3/8"	1/20	115	3300	1	1.54	35%	5/16"	2-1/8"	CWSE	3-3/4"	Slv	4.0	**359.00**

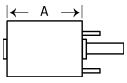
FASCO



A



B



Carrier Direct Replacement Draft Booster Motors

- Built-in centrifugal safety switch
- **S88-509** replaces Carrier CWSE motor #HC24AU600 and 701
- **S88-510** replaces Carrier CCWSE motor #HC24AU700
- **S88-884** replaces Carrier CWSE motor #HC680001 and Fasco #7162-3829
- **S88-556** replaces Carrier CWSE motor #HC24AU725A
- **S88-689** replaces Carrier #HQ4AU725A and Universal #JB1P044NV

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
Shaded Pole																	
A	**S88-509**	D456	3-3/8"	1/15	115/230	3000	1	2.00	35%	1/4"	2-3/4"	CWSE	6-1/2"	Ball	4.5	—	**579.00**
A	**S88-510**	D457	3-3/8"	1/15	115/230	3000	1	2.00	35%	1/4"	2-3/4"	CCWSE	6-1/2"	Ball	5.0	—	**639.00**
A	**S88-556**	D459	3-3/8"	1/15	230/460	3000	1	1.20	35%	1/4"	3"	CWSE	7"	Ball	5.5	—	**795.00**
A	**S88-689**	D1174	3-3/8"	1/15	460	3000	1	0.60	35%	1/4"	2-3/20"	CWSE	6-3/4"	Ball	5.0	—	**745.00**
PSC																	
B	**S88-884**	D1178	3-3/8"	1/15	208-230	3450	1	0.45	65%	1/4"	2-3/4"	CWSE	6-3/4"	Slv	4.6	G21-928	**689.00**

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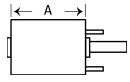
Carrier Direct Replacement Condenser Fan Motors

Direct Replacement for Carrier





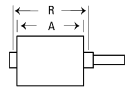
- **S89-222** replaces GE #5KCP39BGS162S and Carrier #HC31GE232
- **S89-123** replaces GE #5KCP39BGS069S and Carrier #HC33GE233
- **S89-225** replaces GE #5KCP39BGR201BS and Carrier #HC33GE208
- **S89-223** replaces GE #5KCP39EGS070S and Carrier #HC39GE237
- **S89-224** replaces GE #5KCP39FGS071S and Carrier #HC39GE236
- Capacitor not included

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S89-222	3401	5-5/8"	1/12	208-230	1100	1	0.70	53%	1/2"	1-3/5"	CCWSE	3-1/2"	SAB	9.0	G21-930	**555.00**
S89-123	3402	5-5/8"	1/10	208-230	1100	1	0.80	56%	1/2"	1-3/5"	CCWSE	3-1/2"	SAB	9.0	G21-930	**585.00**
S89-225	3405	5-5/8"	1/6	208-230	1500	1	0.80	57%	1/2"	1-3/5"	CCWSE	3-1/2"	SAB	9.0	G21-930	**679.00**
S89-223	3403	5-5/8"	1/4	208-230	1100	1	1.80	65%	1/2"	1-2/5"	CCWSE	4"	SAB	11.0	G21-930	**635.00**
S89-224	3404	5-5/8"	1/4	208-230	1100	1	1.80	63%	1/2"	1-3/5"	CCWSE	4-1/4"	SAB	12.0	G21-930	**735.00**

Carrier Direct Replacement Motor

Room Air Conditioner Motor





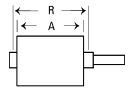
- Replaces Carrier #HC37MB-730, #51PH124275 and Fasco D848
- PSC, totally enclosed, 3-speed
- Thermal protector, sleeve bearing
- Shaft length; LE = Lead End, OLE = Opposite Lead End
- Capacitor not included

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S89-228	3360	5-5/8"	1/5	265-277	1040	3	1.30	58%	1/2"	7" x 3"	CCWSE	3-13/16"	4-5/16"	SAB	12.0	G21-922	**775.00**

Carrier Direct Drive Blower Motor

Direct Replacement For Carrier





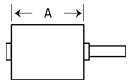
- **S89-227** replaces Carrier #HC45SE116, HC435SE116, SC435X101 and Fasco D838
- PSC, open air over ventilated
- Sleeve bearing, reversible rotation
- Capacitor not included

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S89-227	3340	5-5/8"	3/4	115	1075	4	12.10	65%	1/2"	6"	Rev.	5-5/16"	5-13/16"	SAB	18.0	G21-933	**1245.00**

Carrier Direct Replacement Motors

"The Round One"





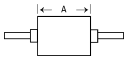
- PSC motors are direct replacements for condenser fan motors on "The Round One" by Carrier
- Single shaft extension with slinger, automatic reset thermal protector
- 3 lugs, 120° apart
- 7/16" diameter bolt holes on 7" diameter bolt circle
- Rotation: reversible

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-256	OCB1026A	5-5/8"	1/4-1/5	208-230	1075	2	2.20	65%	1/2"	4"	Rev.	3-3/4"	Slv	17.2	G22-819	**615.00**
S88-387	048A11O1109	5-5/8"	1/3	230	1075	1	2.60	—	1/2"	3"	Rev.	4-3/4"	Ball	15.0	G21-933	**465.00**

Packard

Carrier/BDP Direct Replacement Fan Coil Motor





- Direct replacement for GE #5KCP39FG015AS and Carrier #HC41FB666
- Single-speed, double shaft, open construction
- Capacitor not included

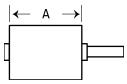
Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-983	82210	5-5/8"	1/3	208-230	1625	1	1.80	65%	1/2"	5-5/8" x 5-3/4"	CCWLE	4-3/8"	Slv	15.0	G21-930	**675.00**

Century®

Carrier Direct Replacement Motor

Rooftop Condenser Fan Motor





- Direct replacement for Carrier

Applications:
- Direct replacement for Carrier #HC43VL200, 230, 460 and 650, and HC44VL460, 465, 610, 852

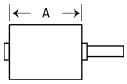
Features:
- Single-phase, ball bearing, thermally protected, lug mount on a 7" bolt circle
- Capacitor not included
- Rotation: reversible

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-691	OCA1056	5-5/8"	1/2	200-230/460	1075	1	4.60	65%	1/2"	2-1/2"	Rev.	6-5/16"	Ball	21.3	G22-820	**1399.00**

Century®

Carrier/BDP Direct Replacement Condenser Fan Motor





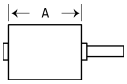
- These three-phase motors are direct replacements for Carrier
- **S89-009** replaces Carrier #HD46GK230

Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	"A" Dim.	Wt. Lbs.	Each
S89-009	OCA3076	3/4	48	208-230	1140	3.8	78.00%	W-6	1/2"	3"	8-3/4"	27.4	**1745.00**

Carrier Direct Replacement Condenser Fan Motor

Direct Replacement for Carrier





- Direct replacement for Carrier #HD52VE214 condenser fan motor
- Three-phase, 56 frame
- Shaft with two flats 90° apart and keyway

Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	"A" Dim.	Wt. Lbs.	Each
S89-107	1816	1	56YZ	200-230/460	1140	6	84.10%	F-1/W-8	5/8"	3"	9-5/16"	35.0	**1545.00**

marathon™ Motors

Carrier Direct Replacement Condenser Fan Motor

Direct Replacement for Eight Different Carrier Models



- Direct replacement for Carrier #5KCP49UG1007S, 5KCP49UG1027S, 5KCP49UG1028S, 5KCP49ZG171S, 5KCP49ZG189S, 5KCP49ZG190S, 5KCP49ZG24S and 5KCP49ZN9622S
- Single-speed, 56Z frame, single-phase
- Rotation: reversible, 65°C ambient
- Automatic thermal protector, ball bearing
- Capacitor not included

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S89-098	5KCP49ZN9617T	6-3/10"	1	200-230/460	1075	1	6.80	68%	5/8"	4"	Rev.	11-7/32"	Ball	49.0	G21-913	**949.00**

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Carrier Direct Replacement Condenser Fan Motors

- Three-Phase, 56 Frame
- All-angle mount
- Class B insulation, 70°C ambient
- Automatic reset overload
- Double sealed ball bearings
- Quick connect voltage change
- Shaft with both keyway and flat
- Rotation: reversible
- **S89-387** replaces HD52AK652
- **S81-938** replaces HD60FK651
- **S89-901** replaces HD60FK652


A


B


C

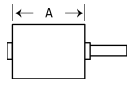
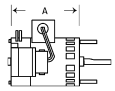


Fig.	Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	"A" Dim.	Wt. Lbs.	Each
A	**S89-387**	H978V1	SPL	56Z	208-230/460-575	1140	5.5	78.00%	W-8	5/8"	3-1/2"	11-1/2"	43.8	**2545.00**
B	**S81-938**	H980L	3	56Y	208-230/460	1725	3.6/1.8	82.5%	Horizontal	7/8"	2"	—	45.0	**3045.00**
C	**S89-901**	H979L	5	Y56Y	208-230/460	1725	15.0	82.3%	Horizontal	7/8"	2-5/16"	13-5/8"	52.6	**3799.00**

Coleman Direct Replacement Draft Booster Motor

- Shaded pole direct replacement for Coleman draft booster motors #8865-3149, used for units #8645A, D; 8655 A, D; 8665; 8665A; 8845A; 8855A; and 8865A
- Special drilled and tapped holes for mounting
- Centrifugal safety switch mounted on motor rated at 24V pilot duty





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S88-386	D408	3-3/8"	1/150	115	3000	1	0.48	35%	1/4"	1-1/2"	CWSE	5-1/2"	Slv	3.5	**395.00**

Coleman Direct Replacement Air Booster

- Direct replacement for 373-19801-820 and 373-19801-821

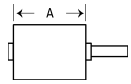


Order #	Mfg. #	HP	Volts	RPM	F/L Amps	Rot.	Bearing Type	Replaces	Each
X82-625	65475	1/150	115	3315	0.4	CCWSE	Ball	373-19807-820, 373-19801-821	**129.00**

Coleman/Frigidaire/McQuay/Trane Direct Replacement Motor

- This ball bearing shaded pole motor can be used as a direct replacement on Coleman, Frigidaire, McQuay, Tjernlund, Trane, etc., ice machines
- Thermally protected
- Two studs on 2.84" centers, 1/2" long, #8-32 thread
- Shaft: #416 stainless, 4-1/2" long flat
- Leads: 12" long
- O.D. with cooling band, 4"
- Rotation: CWSE



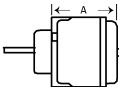


Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Replaces	Each
S59-471	D091	3-3/8"	1/15	115/230	3000	1	2.00/1.00	35%	5/16"	5""	CWSE	4-1/2"	Ball	5.0	91	**479.00**

Copeland Direct Replacement Motor

Unit Bearing Condenser Fan Motor





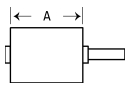
- Direct replacement for Copeland model # 050-0264-01
- 50 watt, 230V
- Open ventilated, large oil reservoir
- Thermally protected
- Leads: 32" long with #10 ring terminals
- Shaft: flatted, 1" long
- Mounting holes #8-36 thread

Order #	Mfg. #	Diam.	Watts	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Wt. Lbs.	Each
S58-437	ESP-OL50EMJR21	3-25/32"	50	230	1500	1	0.85	5/16"	2-1/2"	CCWSE	4-1/4"	7.0	**275.00**

Copeland Direct Replacement Condenser Fan Motor

PSC Motor



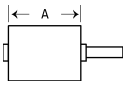


- Direct replacement for Copeland 050-0167-00-2, F48BGP-1092, and F48SBB-1989
- Special tapped mounting bracket on the shaft end

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S81-171	1989P	5"	1/20	230	1625	1	0.80	45%	1/2"	2-1/2"	CCWSE	3-13/16"	SAB	8.4	**939.00**

Copeland Direct Replacement Condenser Fan Motor





- PSC direct replacement for GE #5KSP39FG-4144S, Emerson F48NY741, F48HXAC-1527, and F48SAC-1729
- Single-speed
- Double flatted shaft, special mounting ring on motor shell
- Automatic thermal protection

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S81-174	1527P	5"	1/6	208	1550	1	1.40	51%	1/2"	2-15/16"	CCWSE	3-9/16"	SAB	19.5	G21-922	**1045.00**

Motor Mounting Bracket

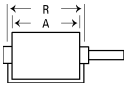


- For refrigeration condenser units
- Allows Gemline EM, TM and GE series motors to be interchanged with original motors
- 7-11/32" height shaft center to bracket base
- 6-1/2" distance between centerline of holes in bracket feet

Order #	Description	Each
S58-664	Mounting Bracket	**24.49**

Copeland Direct Replacement Motors





- **S89-082** replaces Copeland #050-0251-00
- **S89-083** replaces Copeland #050-0250-00
- PSC
- Includes base and mounted capacitor

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S89-082	6128	5-5/8"	1/6	208-230	1550	1	1.10	57%	1/2"	2-3/10"	CCWSE	3-9/16"	4-1/16"	SAB	17.0	G21-922	**1199.00**
S89-083	6129	5-5/8"	1/4	208-230	1625	1	1.50	69%	1/2"	2-3/10"	CCWSE	4-5/16"	4-13/16"	SAB	17.0	Included	**1145.00**

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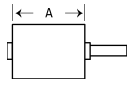
Copeland Direct Replacement Condenser Fan Motor

- This PSC motor will directly replace GE #5KCP-39GG357S and Emerson #K55BZY-1439 on Copeland units
- Includes capacitor
- Sleeve bearing, open dripproof design, belly-band mount
- Automatic thermal protection



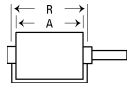


Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S87-959	6124	5-5/8"	1/4	230	1550	1	2.10	65%	1/2"	3"	CCWSE	4-1/16"	SAB	13.0	G21-930	**935.00**

Copeland Direct Replacement Condenser Fan Motor

- This PSC motor comes with capacitor and resilient base
- Single-speed, totally enclosed air over design
- Automatic thermal protection
- Replaces #5KCP32KG2598, 5KCP32KG175, 5KCP32KG221 and Emerson #K55HXECE2645





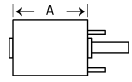
Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S87-961	6127	5-5/8"	1/3	230	1625	1	2.40	71%	1/2"	1-3/4"	CCWSE	5-13/16"	6-5/16"	SAB	17.0	Included	**985.00**

Copeland Direct Replacement Condenser Fan Motor

PSC Motor

- Directly replaces Copeland model #050-0265-00
- Single-speed, single-phase, 50/60 Hz
- Open air over enclosure
- Water-resistant reversing plug
- Stud mounting, all angle mounting, extended thru-bolts
- 70°C (158°F) max. ambient, Class B insulation
- Includes mounted capacitor



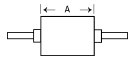


Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S81-296	40265	5-5/8"	1/6	208-230	1550	1	1.10	70%	1/2"	3-1/2"	CWLE	3-1/2"	Slv	9.5	**395.00**

Day & Night/Payne/Williams/Coleman Direct Replacement Window Air Conditioner Motor

- Direct replacement
- 2-speed, open design, thermally protected
- Pressed steel casing, sleeve bearing, oil lance opening at both ends for vertical or horizontal operation
- Non-reversible, #8-32 threaded mounting bolts, both ends extend 1/2
- Shaft length is the same on both ends

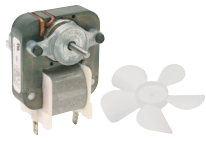




Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Shaft OLE x Diam. x LE	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Replaces	Each
S59-470	D359	3-3/8"	1/20	115	1550	2	2.70	35%	5/16"	4"	4 x 5/16 x 4	CCWLE Dbl. Shaft	3-1/8"	Slv	4.0	359	**319.00**

Delfield Direct Replacement Reach-In Cooler Motor

- Impedance protected, shaded pole, C-frame
- Directly replaces #1175-10-4439 Delfield motor
- Includes 5-1/2" diameter plastic fan blade

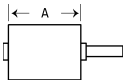


Order #	Mfg. #	Stack Height	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S58-514	65514	5/8"	120	3000	1	0.44	30%	3/16"	3/4"	CWSE	Slv	1.4	**165.00**

Dunham/Bush Direct Replacement Condenser Fan Motor

Directly replaces Dunham Bush Motor #226

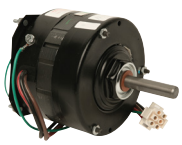




- Directly replaces Dunham Bush Motor #226
- Heavy-duty ball bearing PSC direct replacement motor used for commercial rooftop Dunham Bush condenser units
- Capacitor included
- Conduit box opposite shaft end
- Single-speed, base mounted

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S88-431	FB1056	5-5/8"	1/2	208-230/460	1075	1	5.20	65%	1/2"	4-1/2"	Rev.	8-1/4"	Dbl-Shld Ball	21.5	**1099.00**

Evcon Direct Replacement Condenser Fan Motor

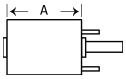


- Direct replacement for Evcon #F42B53A48 or 1468-41L
- Special mechanical and electrical configuration to match original motor
- Totally enclosed motor
- Permanent split capacitor
- Capacitor not included

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-940	OEV1006A	5"	1/12	208-230	1050	1	0.50	65%	1/2"	2-1/2"	CWOSE	3-3/8"	Slv	8.1	G21-930	**505.00**

Fedders Direct Replacement Rooftop Unit Motors



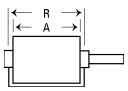


- Motors are shaded pole, single-speed, open ventilated, air over, single shaft
- **S58-292** is a direct replacement for Fedders #S196-47-2 and S196-0047-003
- **S58-599** is the 460V single-phase version for various Fedders and Copeland units
- Thru-bolt mount, automatic thermal overload protection, sleeve bearing

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S58-292	D188	3-3/8"	1/20	230	1500	1	0.90	35%	5/16"	2-1/4"	CW	2-7/8"	Slv	3.2	**235.00**
S58-599	D186	3-3/8"	1/20	460	1550	1	0.44	35%	5/16"	2-3/8"	CW	2-7/8"	Slv	3.1	**435.00**

Fedders Direct Replacement Condenser Fan Motor



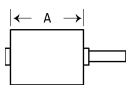


- This single-speed, PSC, 42-frame motor is a direct replacement for Fedders #S196-18-2 condenser fan motor on Fedders split system air conditioners
- Automatic thermal overload protection
- Resilient mount, sleeve bearing
- Capacitor not included

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-078	D1016A	5"	1/4	230	1100	1	2.00	65%	1/2"	4-1/8"	CW	3-7/8"	4-3/16"	Slv	9.0	G21-930	**789.00**

First Company/Summit Direct Replacement Fan Coil Motors





- Direct replacement for First Company/Summit

Applications:

- Direct replacement for First Company/Summit 42 frame fan coil motors

Features:

- Open construction, thermally protected, PSC capacitor supplied
- **S89-796** replaces mfg. # M10
- **S82-401** replaces M8, 326P400, 746
- **S82-402** replaces M10, 747, 326P451, D258

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S82-401	OFC1004	5"	1/8	208-230	1500	2	1.30	60%	1/2"	6-3/4"	CCWLE Dbl. Shaft	3-5/8"	Slv	23.5	Included	**459.00**
S82-402	OFC1024	5"	1/4	208-230	1625	2	1.80	60%	1/2"	7-5/8" X 7-3/4"	CCWLE Dbl. Shaft	3-9/16"	Slv	12.0	Included	**539.00**
S89-796	747A	5"	1/4-1/8	208-230	1625	1	2.00	65%	1/2"	7-3/4"	CCWLE Dbl. Shaft	3-3/4"	Slv	10.0	Included	**605.00**

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First Company Direct Replacement Blower Wheel

- For use with **S81-704**, First Company Condensing Unit Motor
- Galvanized steel



Order #	Mfg. #	Diam.	Width	Hub Bore	Rot.	Max. RPM	Center Disc	Drive Type	Each
S59-507	A60200BW	7.67"	8.14"	1/2"	CW	1750	19GA	Running	**215.00**

First Company Direct Replacement Condensing Unit Motor

- Direct replacement for First Company Through the Wall series condensing unit
- 48 frame motor
- Comes with resilient base
- Replaces First Company model # M201B



Order #	Mfg. #	HP	Volts	RPM	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Replaces	Each	3 Lot
S81-704	82201	1/4	208-230	1145	1.21	1/2"	7-1/2"	CCWSE	Ball	14.0	M201B	**705.00**	**675.00**

First Company Fan Coil Motor

Direct Replacement for First Company

- Direct replacement for First Company



Order #	Mfg. #	HP	Volts	RPM	Speeds	F/L Amps	Rot.	Bearing Type	Replaces	Each
X82-631	80010	1/4	208-230	1625	2	1.65	CCWLE	Ball	M10	**349.00**

Greenheck Direct Replacement Fan Motors

- Direct replacement for #7108-2425
- 3-speed, shaded pole, stud or base mounted



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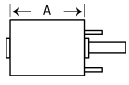


Fig.	Order #	Mfg. #	Diam.	HP	Watts	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Replaces	OEM/ OEM Mfg. #	Each
A	**S59-642**	90038	3.3"	—	3	115	675	1	0.15	55%	1/3"	2-5/7"	CWSE	2-1/2"	Ball	2.9	314956	314956	**275.00**
B	**S59-641**	90955	3.3"	—	5	115	700	1	0.19	30%	1/3"	2-5/7"	CWSE	2-1/2"	Ball	2.9	315038	315038	**315.00**
C	**S59-638**	90145	3.3"	—	8	115	950	1	1.15	30%	1/3"	2-1/2"	CWSE	2-3/4"	Slv	3.4	310145	310145	**345.00**
C	**S59-639**	90198	3.3"	—	18	115	1050	1	1.80	30%	1/3"	2-1/2"	CWSE	3"	Slv	3.7	310198	310198	**359.00**
D	**S88-656**	D1061	4-7/16"	1/20-1/60	—	115	1500	3	2.00	35%	1/2"	2-3/4"	CCW	4-1/8"	Slv	8.5	—	—	**865.00**
E	**S59-640**	90153	5.6"	1/4	—	115	1725	1	4.60	45%	1/2"	2"	CCWLE	7-16/97"	Ball	16.0	309153	309153	**1145.00**



marathon Motors



Greenheck Direct Replacement Motors

- Open/Air Over Fan Cooled
- Single-speed, PSC direct replacement motors, capacitor included
- Internal cooling
- Thru-bolt mounting
- 40°C ambient, thermally protected
- **S89-660** replaces Greenheck # 300010
- **S89-659** replaces Greenheck # 300008

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S89-659	048A8O151	5-5/8"	1/8	115	825	1	2.10	1/2"	2-1/2"	Rev.	Ball	13.0	**705.00**
S89-660	048A11O251	5-5/8"	1/6	115	1140	1	2.20	1/2"	2-1/2"	Rev.	Ball	13.0	**529.00**

Packard



Heatcraft Direct Replacement Motors

Direct Replacement for Bohn and Larkin

- Shaded pole, 1550 RPM, 60 Hz
- Open ventilated, sleeve bearing, stud mounted auto overload
- Special lyall plug and cord included
- **S59-100** is a direct replacement for Bohn: 5KSM59JSK143S. 5008S, 5034LS
- **S59-101** is a direct replacement for Bohn: 5KSM59LS226AS, 5008T, 5034MS
- **S59-102** is a direct replacement for Larkin: 2541194
- **S59-103** is a direct replacement for Larkin: 2541195

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
A	**S59-100**	45008SB	3-3/8"	1/15	115	1550	1	1.80	35%	5/16"	3"	CWSE	Ball	5.0	**239.00**
B	**S59-102**	41194	3-3/8"	1/20	115	1550	1	1.90	35%	5/16"	2-3/8"	CCWSE	Slv	5.0	**225.00**
A	**S59-101**	45008TB	3-3/8"	1/15	208-230	1550	1	1.20	35%	5/16"	3"	CWSE	Ball	5.0	**255.00**
B	**S59-103**	41195	3-3/8"	1/15	208-230	1550	1	0.90	35%	5/16"	2-3/8"	CCWSE	Slv	5.0	**235.00**



3.3" Diameter Refrigeration Evaporator Motor

PSC

- High efficiency PSC motors for refrigeration evaporator application
- Four 8-32 x 3/4" stud extensions at each end
- Ball bearings have all-angle thrust system
- Automatic reset thermal overload protector
- PSC design with capacitor included
- Lyall plugs for reversing
- 416 stainless steel shaft

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S59-629	9721	3.3"	1/12-1/20	115/208-230	1550/1350	1	1.10/0.57 & 1.20/0.62	0.265"	3-1/4"	CCWSE REV	Ball	5.0	**279.00**

Century®



Heatcraft Direct Replacement Motor

The "3-in-1" Energy Efficient Motor

- Direct replacement for Heatcraft

Applications:

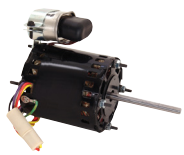
- Direct replacement for Bohn, Chandler, Climate Control and Larkin

Features:

- Replaces 1/12 HP, 1/15 HP and 1/20 HP PSC and low efficiency shaded pole designs
- PSC design

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S58-998	9721	3-3/8"	1/12-1/20	115/208-230	1550	1	1.10	52%	5/16"	3-1/4"	Rev.	Ball	4.8	**235.00**

Packard



Heatcraft Direct Replacement Motor

- Direct replacement for Heatcraft # 25309101
- Direct replacement for Brohn 5008S, 5008T, Larkin 253-1194 and 253-1195

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S81-695	49101	3-3/8"	1/12-1/15-1/20	115/208-230	1550/1400	3	1.10/0.60	5/16"	3-1/8"	Rev.	Ball	5.3	**185.00**

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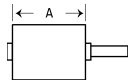
Heil Quaker/Tempstar Direct Replacement Condenser Fan Motor

- Single-speed, PSC direct replacement motors
- Totally enclosed, with terminal plug to match original
- Replaces Heil Quaker #HQ105266EM, used on unit #1052662, and Emerson #48HXCLW-1562 found in 2.5 and 3 ton units rated at 9 SEER





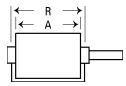
Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-856	D1071	5"	1/6	208-230	1100	1	0.99	65%	1/2"	2-1/8"	Rev.	3-7/8"	Slv	9.0	G21-930	**555.00**

Herman Nelson/American Air Filter Direct Replacement Motor

Through-the-Wall Heat/Cool Unit Motor

- Single-speed, base-mounted, PSC motor
- Directly replaces Herman Nelson/American Air Filter #7-150444-02 for through-the-wall heat/cool units
- Unique 700 RPM
- Capacitor included

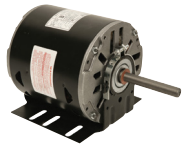


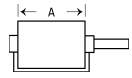


Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Each
S88-646	D827	5-5/8"	1/8	115	700	1	2.50	65%	1/2"	2"	CCW	5-1/2"	6-1/16"	Ball	13.5	**1199.00**

Hill Refrigeration Direct Replacement Condenser Fan Motor

- Single-speed ball bearing motor, direct replacement for the condenser fan motor in Hill refrigeration equipment, replacing GE #5KCP39PGC910S (3067) and 5KCP39PGC030S
- Thermally protected, electrically reversible, base mounted, class B insulation
- Capacitor not included





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-500	OHR1106	5-5/8"	1	208-230	1075	1	7.10	65%	1/2"	3-3/16"	Rev.	5-7/16"	Ball	18.3	G21-897	**1299.00**

Hussmann Direct Replacement Motor

Totally Enclosed Unit Bearing Motor

- Directly replaces Hussmann 38360, 41000, 47000, 58698. Mars 05119 and GE 5119, 5KSM51ECG5123, 5KDM51ECG5133, 5KSM81FFL1032
- Cast iron
- Totally Enclosed Unit Bearing Motor



Order #	Mfg. #	Diam.	Watts	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Replaces	Each
S81-682	65133	3-1/2"	9	115	1150	1	0.50	1/4"	1/4"	CW	58698, 38360, 41000, 47000	**185.00**

Hussmann Direct Replacement Motor

Solid State Commutator Refirgeration Motors

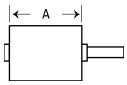
- Unit bearing construction
- SSC Dirct replacement for Hussmann Refrigeration
- Two to three times more efficient than a standard shaded pole motor
- Lower operating temperatures and extended motor life
- Direct drop-in Replacement for motors 35-50 watts output that use a threaded shaft
- Constant 1550 RPM operating speed is identical on either 60 Hz or 50 Hz
- Constant 1550 RPM regardless of fluctuations in line voltage
- 100% performance tested



Order #	Mfg. #	Diam.	Watts	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S59-243	10036	3-3/8"	35/50	208-230	1550	6	0.45	80%	1/4"-20 Thd	1/2"	CWOSE	Unit	3.5	**645.00**

Hussmann Direct Replacement Condenser Fan Motor





- PSC direct replacement motor for Hussmann Refrigeration
- Replaces Hussmann #259983 and Emerson #K55HXCTP-9963
- Open end shield, lead end, ball bearing, 36" leads
- Capacitor and conduit box included

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-913	644	5-5/8"	1/2	208-230	1725	1	2.70	72%	1/2"	3-1/2"	CCWSE	5-1/16"	Ball	15.0	G21-930	**1045.00**

Hussmann Direct Replacement Motors

Totally Enclosed Unit Bearing Motors



- Direct replacement for Hussmann 0047000 and 441-103
- Auto overload
- Furnished with neoprene silencer, speed nut and mounting screws
- 1/4" shaft
- 60/50 Hz
- Low temperature oil
- No foot pads
- Totally Enclosed Unit Bearing Motors

Order #	Mfg. #	Diam.	Watts	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S81-714	10101	—	9	115	1550	1	0.53	—	1/4"	1/2"	CW	—	2.3	**475.00**
S59-292	61103	3-1/2"	12	115	1550	1	0.62	35%	1/4"-20 Thd	1/2"	CWOSE	Unit	3.0	**329.00**

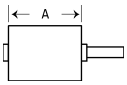
Hussmann Direct Replacement Condenser Fan Motors



A



B



- **S88-558** directly replaces shaded pole and PSC motors model #PD11−96202, 5KSP39FG4771S, K55NXKWB8574 and Steveco #3057
- Open air over, automatic thermal protection, ball bearing
- Capacitor included (3M370V)
- **S89-627** replaces shaded pole and PSC motors model #P011−96203, K55HXKWA8573 and K55CLN1782
- Open ventilated, ball bearing
- Capacitor included (3M370V)

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
A	**S88-558**	1645	5-5/8"	1/6	208-230	1550	1	1.40	62%	1/2"	2-1/10"	CCWSE	3-13/16"	Ball	12.0	G21-922	**965.00**
B	**S89-627**	1648	5-5/8"	1/5	208-230	1075	1	2.00	56%	1/2"	2-1/2"	CCWSE	4-1/3"	Ball	13.0	G21-928	**905.00**

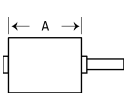
ICP Direct Replacement Motors



A



B



- **S89-085** replaces ICP #1008619
- **S89-628** replaces ICP #HQ1054586EM
- 4-speed, sleeve bearing
- Automatic thermal overload protector, open ventilated
- Single shaft, flat end bells
- PSC, capacitor not included

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
A	**S89-085**	1125	5-5/8"	3/4	115	900	4	11.90	67%	1/2"	4"	CWSE	6-9/16"	SAB	20.0	G21-891	**1345.00**
B	**S89-628**	4670	5-5/8"	1	208-230	1100	4	6.00	72%	5/8"	5"	CWSE	6-3/10"	SAB	20.0	G21-909	**1145.00**

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IEC Direct Replacement Fan Coil Motors

Direct Replacements For IEC Fan Coil Units

- "29" frame, CCWLE, fan coil motors
- **S89-202** replaces IEC #5KCP29BK5875S, 5KP29BK8382S, 700216-92
- **S89-209** replaces IEC #5KCP29KK4878AS, 5KCP29KK8385S, 700215-42
- **S89-209** uses two different capacitors, use **G21-932** on 240V applications; use **G21-933** on 208-230 applications


A


B


C

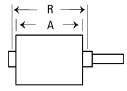
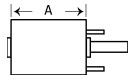


Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
A	**S89-204**	D1049	5"	1/20-1/50	265	1075	3	0.40	65%	1/2"	7-3/20"	CWOLE	3-11/16"	—	Slv	8.8	G21-922	**795.00**
B	**S89-205**	D1048	5"	1/20-1/50	277	1075	3	0.50	65%	1/2"	7-1/4"	CCWOSE	3-3/8"	—	Slv	8.0	G21-928	**815.00**
A	**S89-206**	D1041	5"	1/15-1/30	265	1075	3	0.60	65%	1/2"	7-1/4"	CCWOSE	3-3/8"	—	Slv	8.3	G21-928	**775.00**
C	**S89-207**	D1055A	5"	1/12-1/50	115-127	1375	3	1.40	65%	1/2"	8"	CCWOSE	4-3/16"	4-11/16"	Slv	9.0	G21-932	**755.00**
C	**S89-208**	D1059A	5"	1/6-1/50	115-127	1450	3	2.50	65%	1/2"	8"	CCWOSE	3-11/16"	4-7/16"	Slv	9.5	G21-930	**779.00**
C	**S89-202**	4125	5"	1/30	115-127	1100	3	0.53	34%	1/2"	8"	CWSE	3-15/16"	4-7/16"	SAB	6.0	G21-928	**759.00**
A	**S89-209**	4129	5"	1/5	208-240	925	3	1.90	59%	1/2"	7"	CWSE	3-15/16"	—	SAB	12.0	G21-932	**669.00**
A	**S89-210**	D1044	5"	1/4-1/12	115	970	3	6.00	65%	1/2"	8"	CCWOSE	4-3/16"	—	Slv	11.5	G22-730	**889.00**

ILG Rooftop Ventilator Motor

- This single-speed, sleeve bearing, shaded pole motor is a direct replacement for ILG #78-27-611N and Fasco #7108-2171
- Due to the internal cooling fan and additional mounting restrictions this OEM direct replacement is highly recommended





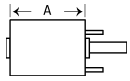
Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S58-604	D1039	4-7/16"	1/10	115	1610	1	3.07	35%	1/2"	2-3/8"	CCWSE	4-1/2"	Slv	6.0	**805.00**

ITT Reznor Direct Replacement Motors

Duct Furnace and Rooftop Ventilator Motors

- **S58-792** directly replaces CCW77162-0311, CCW175-43846, CW7162-0224 and CW36860
- **S59-037** directly replaces CW175-40069, 7162-0293, CCW505-43424, 7162-0348, CCW175-40070, 7162-0294
- PSC, open ventilated, air over
- Capacitor included



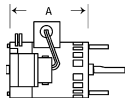


Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S58-792	D405	3-3/8"	1/10	115	3000	1	1.40	65%	5/16"	3-1/4"	Rev.	4-1/4"	Ball	5.3	**959.00**
S59-037	D404	3-3/8"	1/10	208-230	3000	1	0.80	65%	5/16"	3-1/4"	Rev.	4-1/4"	Ball	4.7	**989.00**

Jenn Air Rooftop Ventilator Motor

- Shaded pole, single-speed replacement for motors found in Jenn Air rooftop ventilators
- Direct replacement for Jenn Air #80CR and Universal stock #78
- Ball bearing, open enclosure, conduit box mounted on motor
- Stud mount





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S88-919	D1170	4-7/16"	1/15	115	1550	1	2.10	35%	3/8"	2-1/2"	CWSE	4-3/4"	Ball	6.5	**955.00**

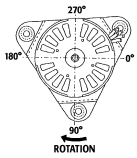
Krack Direct Replacement Motors

Commercial Refrigeration Motors

- Single-speed shaded pole direct replacements for Krack commercial refrigeration units
- Motors are dual voltage and come with special mounting brackets



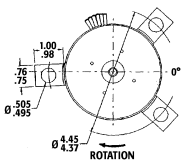
A



A



B



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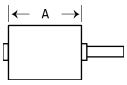


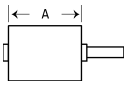
Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
A	**S88-616**	D1158	3-3/8"	1/20	115/208-230	1550	1	1.40	35%	5/16"	1-5/8"	CW	3-5/16"	Ball	4.1	**555.00**
A	**S58-718**	D1189	3-3/8"	1/20	115/208-230	1550	1	1.60	35%	5/16"	1-3/4"	CW	3-1/8"	Ball	4.0	**509.00**
B	**S59-438**	41189	3-3/8"	1/20	115/208-230	1350/1550	1	1.60/0.80	35%	5/16"	1-5/8"	CWSE	3-1/16"	Ball	4.0	**399.00**

Krack Direct Replacement Motor

Commercial Condenser Fan Motors



- Three-Phase 56Y Frame direct replacements for Krack commercial condenser fan units DT and ACD
- **S89-734** replaces Krack #11096 and Century/ Magnetek #150372
- Double sealed ball bearing, class B insulation, electrically reversible



Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	"A" Dim.	Wt. Lbs.	Each
S89-734	OKR1096V1	1/2	56	460/208-230	1140	2.0	78.00%	F-1	5/8"	2"	9-1/4"	25.0	**1445.00**

Kramer/Trenton Direct Replacement Motors

Condenser Fan Motors

- Direct replacement 3.3" diameter, shaded pole motors, open ventilated, stud mount



A



B

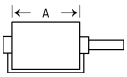


Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Replaces	Each
A	**S58-779**	D1152	3-3/8"	1/20	115	1550	1	2.10	35%	5/16"	2-3/8"	CWSE	2-7/8"	Slv	3.2	5KSM59ES2001	**325.00**
B	**S59-479**	D0396	3-3/8"	1/20	208-230	1450	1	1.10	35%	5/16"	2-1/2"	CWSE	3-1/4"	Slv	4.0	396	**215.00**
A	**S58-780**	D1154	3-3/8"	1/20	208-230	1550	1	1.00	35%	5/16"	2-3/8"	CWSE	3-1/8"	Slv	3.7	JA2R140N	**335.00**

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Kramer/Trenton Direct Replacement Motors

Condenser Fan Motors

- PSC, ball bearing
- Direct replacement
- Thermally protected
- **S89-716** replaces model #047-104, 047-099 and 048-004
- **S80-370** replaces the motor on the Kramer Trenton units DD661 and DD791
- **S82-404** replaces 03041, 5KCP37PN244S, 5KCP37PG244S, 5KCP39PGC054T
- Capacitor included


A


B

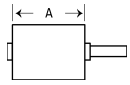
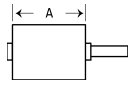


Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
A	**S82-404**	OKT3041	5-5/8"	1/2	208-230	1075	1	4.30	60%	1/2"	3-1/2"	CWSE	7-1/4"	Ball	20.0	**849.00**
A	**S89-716**	C662	6-1/2"	3/4	460/208-230	1075	1	4.30	65%	5/8"	2-1/2"	Rev.	10-1/4"	Ball	32.0	**1599.00**
B	**S80-370**	FB1106	6-1/2"	1	208-230/460	1075	1	7.60	65%	5/8"	4-1/2"	Rev.	8-1/3"	Ball	30.4	**1545.00**

Larkin Coil Direct Replacement Motors

- **S58-487** replaces Larkin #253-1194; UE #JA2N015N, UE574; Fasco #7163-2113, D1101; GE #5KSP11DG1194S, 5KSM59ES2405CS and 5KSM59ES3443
- **S58-488** replaces Larkin #253-1195, UE #JA2N016N, UE575, Fasco #7163-2135, D1103 and GE #5KSM59GS2708S; special low temperature oil in the bearings, special lead and plug assembly



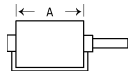


Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S58-487	D1101	3-3/8"	1/20	115	1500	1	1.90	—	5/16"	2-1/4"	CCWSE	2-3/4"	Slv	3.1	**279.00**
S58-488	D1103	3-3/8"	1/20	208-230	1500	1	1.40	35%	5/16"	2-1/4"	CCWSE	3"	Slv	3.2	**289.00**

Larkin Coil Direct Replacement Motor

- 208-230V
- Replaces GE5KCP39PGH728T, SCS0500 1H-CPM120-3, D863
- Electrically reversible



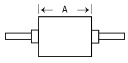


Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S82-391	992A	5-5/8"	1/2	208-230	1075	1	4.20	60%	1/2"	2-3/4"	Rev.	6-3/4"	Ball	20.9	G21-933	**1045.00**

Lennox Direct Replacement Air Handler Motor

- 3-speed PSC motor
- Direct replacement for Lennox #31C8201 and P-8-6426
- Also replaces Emerson #K55HXRYT-8180 (K8180), K63-BHXHW-1158; GE #5KCP49NG1009 and 5KCP35SN49S
- Comes with resilient base and double shaft extensions
- Application is a double blower for the evaporative side of air conditioning system
- Capacitor not included



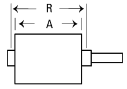


Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S82-390	9406A	5-5/8"	3/4-1/3	208-230	1075	3	6.60	60%	5/8"	5-1/4" x 6-1/2"	CCWLE	6-1/4"	Ball	23.5	G21-892	**1245.00**

Lennox Direct Replacement Furnace Blower Motor

- PSC 3-speed direct replacement motor for Lennox #P-8-8325 and GE #5KCP39PGD698S
- Base mount, sleeve bearings, automatic thermal protection
- Single shaft open enclosure
- Capacitor not included

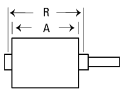




Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-887	D818	5-5/8"	1/3-1/6	115	825	3	7.30	65%	1/2"	3"	CWSE	6-3/4"	7-5/16"	Slv	17.2	G22-730	**1145.00**

Lennox Direct Replacement Furnace Blower Motors





- 4-Speed

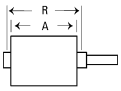
Applications:
- PSC replacement for Lennox #P8-7505 and P8-9450 furnace blower motors, also replaces GE motor #5KCP39HG9174AS

Features:
- Supplied with 2-1/2" diameter resilient rings, automatic reset thermal protector
- Capacitor and base not included

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Replaces	Capacitor To Match	Each
A	**S88-257**	OLE1036A	5-5/8"	1/3-1/6	115	1075	4	6.00	65%	1/2"	4-7/16"	CCWOSE	4"	4-5/8"	Slv	13.0	P-8-7505, 5KCP39HG9174AS	G21-930	**645.00**
B	**S80-152**	9405A	5-5/8"	1/5-3/4	115	1075	5	9.70	65%	1/2"	3-1/8"	CCWLE	5-3/8"	—	Ball	18.2	28F0101, 5KCP-39PGD852AS	G21-924	**915.00**

Lennox Direct Replacement Furnace Blower Motors





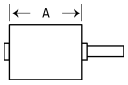
- Direct replacement PSC motors for Lennox furnace blower motors
- **S87-957** replaces GE 39-frame #5KCP39PG9701S for Lennox model #P8-9080; it is also a ball bearing motor
- Thermally protected
- **S88-340**, **S87-822**, **S87-818**, **S87-973**, **S88-259** fit various other Lennox furnace blower applications

Note: S88-259 is not UL recognized

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-340	5830	5-5/8"	1/4	115	1075	4	3.80	60%	1/2"	6"	Rev.	4-5/16"	4-15/16"	SAB	12.0	G21-930	**535.00**
S87-822	5835	5-5/8"	1/3	115	1075	4	4.60	66%	1/2"	6"	Rev.	4-5/8"	5-3/16"	SAB	13.0	G21-933	**605.00**
S87-957	6873	5-5/8"	1/3	208-230	825	1	3.00	62%	1/2"	4-1/2"	Rev.	5-13/16"	6-7/16"	Ball	17.0	G21-930	**849.00**
S87-818	5840	5-5/8"	1/2	115	1075	4	7.10	65%	1/2"	6"	Rev.	5-1/8"	5-11/16"	SAB	19.0	G21-933	**649.00**
S87-973	5846	5-5/8"	3/4	208-230	1075	4	5.10	65%	1/2"	6"	Rev.	5-5/16"	5-15/16"	SAB	20.0	G21-891	**905.00**
S88-259	5845	5-5/8"	3/4	115	1075	4	10.60	68%	1/2"	6"	Rev.	5-5/16"	5-15/16"	SAB	20.0	G21-897	**865.00**

Lennox Direct Replacement Condenser Fan Motor





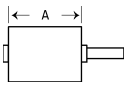
- Replacement for Lennox condenser fan units
- Thermally protected
- Capacitor not included
- Replaces K48HXEMG3494, 31L1901

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S89-629	1901	5"	1/6	208-230	1075	1	1.00	59%	1/2"	2"	Rev.	3-4/5"	SAB	10.0	G21-930	**709.00**

Lennox Direct Replacement Commercial Condenser Fan Motors

48 Frame, PSC





- 48 Frame, PSC

Applications:
- **S81-354** is a direct replacement for Lennox #88C740
- **S81-355** is a direct replacement for Lennox #88C730

Features:
- Single-speed, 60hz, single-phase
- Ball bearings; open air-over construction
- Automatic thermal protection; Class B insulation
- **S81-354** has maximum operating ambient of 40°C
- **S81-355** has maximum operating ambient of 60°C
- Belly-band or basket mount
- Drip shield included
- Capacitor not included

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S81-354	OLE1106	5-5/8"	1	230	1075	1	5.00	67%	5/8"	4"	CCWOSE	5-7/8"	Ball	24.0	G21-909	**1445.00**
S81-355	OLE1106H	5-5/8"	1	460	1075	1	2.90	65%	5/8"	4"	CCWOSE	6-1/2"	Ball	25.0	G21-897	**1445.00**

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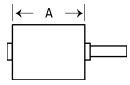
Liebert Direct Replacement Motor

56 Frame, PSC, Single-Phase

- Replaces B-095D, K63HXEFY-4599, K63HXEBD-4498, KCP48TG181S, KCP49U192S 8-184797-01
- Suitable for use with low ambient speed control
- Capacitor and rain shield included
- 56 Frame, PSC, Single-Phase





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S82-410	C663	6-1/2"	3/4	208-230/460	1100	1	4.80-4.20/2.10	60%	5/8"	4.0"	CCWLE	10-3/8"	Ball	39.6	Included	**1999.00**

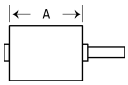
Liebert Direct Replacement Motor

Single-Phase, PSC

- Direct replacement for Liebert #B-095D
- Single shaft, resilient ring mount
- Suitable for use with motor master low ambient speed controls
- Capacitor not included, use **G22-823**
- Single-Phase, PSC

Note: It is recommended to replace the rainshield when replacing motor.





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Replaces	Capacitor To Match	Each
S82-751	3912	6-3/10"	3/4	208-230/460	1140	1	4.80	71%	5/8"	4-1/8"	CWSE	7-3/4"	Ball	25.0	S89-084	G22-823	**2345.00**

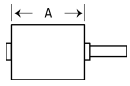
Liebert Direct Replacement Motor

Three-Phase

- Replaces Emerson 3913
- Single shaft, resilient ring mount
- Suitable for use with motor master low ambient speed controls
- Rigid base mount
- Three-Phase

Note: It is recommended to replace the rainshield when replacing motor.





Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	"A" Dim.	Wt. Lbs.	Each
S82-752	3913	3/4	56	208-230/460	1140	3.5	80.00%	Horizontal	5/8"	3"	8-3/4"	32.0	**2545.00**

There Are Several Benefits That Come When Using A Variable-Speed Blower Motor:

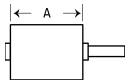
- Electrical efficiency: variable-speed motors can actually reduce energy bills, as they consume less electricity than standard motors
- Cooling efficiency: variable-speed technology also means you will gain heating efficiency
- Zoning: variable-speed motors are excellent for zoning, which allows customization in different areas of the home and control energy usage
- Air quality: a variable-speed motor can also help clean the air; when the fan is in constant operation the motor will continue to slowly circulate air, allowing filters to capture more contaminants

Lomanco Direct Replacement Attic Ventilator Motor

Applications:

- Single-speed replacement motors for Lomanco powered attic ventilators
- Includes the mounting bracket kit which mounts to the motor; replaces Lomanco #AO416B2059, #AO510B2389 and #FO510B2497

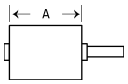




Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S88-934	70059	5"	1/10	115	1100	1	3.40	35%	1/2"	2"	CWSE	2-3/16"	Slv	4.8	**319.00**

Magic Chef/Armstrong Direct Replacement Condenser Fan Motor





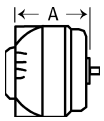
- Single-speed, PSC direct replacement motor for Magic Chef 2-ton condenser fan units
- Open ventilated on shaft end as is the original motor
- Sleeve bearings
- Replaces Magic Chef #35035B001, F42B59A01, CJK15, CTK18, CJK24, CJK30 and CJK36; Westinghouse #322P859; and Magnetek #DE3L038

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-858	OMC6517	5"	1/5	208-230	1075	1	1.50	65%	1/2"	3-3/8"	CWOSE	4-15/16"	Slv	11.5	G21-930	**625.00**

Marley Direct Replacement Watt Motor

Direct Replacement For Marley Watt Motor





- Direct replacement for Marley #3900-2010-000
- Double foot mount with tapped holes for easy installation

Order #	Mfg. #	Diam.	Watts	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S58-767	2123	3-3/5"	4	230	1550	1	0.20	30%	1/4 x 20THD	1/2"	CCWSE	3-9/16"	Ball	3.0	**259.00**

McQuay Direct Replacement Motors

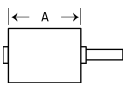
Evaporator Coil and Refrigeration Fan Motors



A



B



- Direct replacement
- Attached conduit box supplied for easy connections
- Thermally protected
- **S58-348** replaces #879-382-562ZB-00
- **S89-411** replaces #879-382564B-00
- **S89-412** replaces #879-382563B-00
- **S58-778** replaces #BA2H015, picture not shown

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
Shaded Pole																	
A	**S58-348**	D1142	3-3/8"	1/15	115 / 230	1500	1	1.70	35%	5/16"	2-1/2"	CWSE	3-1/2"	Slv	4.8	—	**435.00**
PSC																	
—	**S58-778**	D1144	3-3/8"	1/25	115	1200	3	1.10	65%	3/8"	5-31/50"	CWSE	4-3/4"	Slv	4.1	G21-928	**609.00**
B	**S89-411**	D1140	3-3/8"	1/10	115	1500	3	2.20	65%	3/8"	5-31/50"	Dbl. Shaft	4-3/4"	Slv	5.7	G21-933	**845.00**
B	**S89-412**	D1141	3-3/8"	1/15	115	1000	3	1.70	65%	3/8"	5-31/50"	Dbl. Shaft	4-3/4"	Slv	5.8	G21-928	**795.00**

Miller Direct Replacement Motor



- Direct replacement for Miller # 301544
- Shaded pole, draft inducer motor

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S59-454	D1192	3-3/8"	1/40	115	3000	1	0.70	35%	5/16"	1-1/2"	CCWSE	Slv	4.0	**505.00**

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Miller/Nordyne Direct Replacement Furnace Blower Motors

- Direct replacement for Miller/Nordyne

Applications:
- Replaces several different Miller/Nordyne furnace blower motors

Features:
- Single-speed, shaded pole
- Open construction



A B C D E

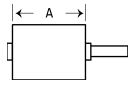

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Replaces	Each
A	**S59-485**	D9623	3-3/8"	1/40	115	1500	1	0.80	35%	5/16"	2-1/2"	CWLE	5-1/2"	Slv	2.3	9623	**429.00**
B	**S89-904**	ONR6406	5"	1/8	115	1050	1	6.00	35%	1/2"	3-7/8"	CCWLE	3-5/8"	Slv	9.2	326P113, 620810	**599.00**
C	**S89-791**	OML6433	5"	1/5	115	1050	1	4.00	35%	1/2"	5-7/8"	CCWOSE	3-13/16"	Slv	10.3	—	**595.00**
D	**S89-792**	OML6435	5"	1/5	115	1050	1	6.60	35%	1/2"	3-63/100"	CCWOSE	4-3/8"	Slv	10.0	—	**539.00**
E	**S89-793**	ONR6026	5"	1/5	115	1050	1	6.50	35%	1/2"	4"	CCWOSE	4-11/16"	Slv	10.9	326P203, 6210810	**625.00**

Nesbitt Direct Replacement Motors

- Direct replacement for Nesbitt

Applications:
- Direct replacement motors for ITT Nesbitt HVAC wall and ceiling units found in schools, hotels, hospitals, auditoriums and gymnasiums

Features:
- Manufactured to the same standards as the original designs
- 40°C ambient, PSC, class A insulated
- Resilient base included, 1.0 Service Factor
- Double shaft motors have the same shaft lengths on both ends



A B

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
A	**S91-269**	C031	6-1/2"	1/12	115	715	1	2.00	65%	3/4"	16 -5/8"	Rev./Dbl. Shaft	Ball	40.0	**2645.00**
A	**S91-271**	C034	6-1/2"	1/6	115	800	1	3.00	65%	3/4"	21-1/2"	CWLE Dbl. Shaft	Ball	44.6	**2645.00**
B	**S88-551**	C033	6-1/2"	1/6	115	800	1	3.00	65%	5/8"	2"	Rev.	Ball	27.0	**1699.00**
A	**S91-272**	C036	6-1/2"	1/3	115	850	1	5.00	65%	3/4"	23"	Rev./Dbl. Shaft	Ball	53.1	**2899.00**
A	**S91-270**	C035	6-1/2"	1/6	230	800	1	1.60	65%	3/4"	20"	CWLE Dbl. Shaft	Ball	44.5	**2899.00**

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Packard

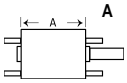
Nutone Direct Replacement Vent Hood Motors

- Direct replacement for Nutone

Applications:
- Single shaft motor replacements for popular Nutone vent hoods

Features:
- Shaded pole design with sleeve bearings
- Where necessary, motors have duplicate plugs to match the original
- Thermally protected
- **S58-450** has mounting studs on shaft end and 1-1/8" hubs on both ends


A




B


C


D

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Replaces	Each
A	**S58-571**	52514	3-3/8"	1/100	115	1550	1	0.70	35%	1/4"	1-3/16"	CWSE	2-1/8"	Slv	2.0	—	**205.00**
B	**S59-482**	D0636	3-3/8"	1/88	115	1320	1	0.60	35%	1/4"	1-1/4"	CWSE	2"	Slv	2.0	636	**209.00**
A	**S58-716**	50381	3-3/8"	1/75	115	1550	1	0.63	35%	1/4"	1-1/8"	CCWSE	2"	Slv	3.0	53581	**175.00**
C	**S59-484**	D637	3-3/8"	1/75	115	1550	1	0.60	35%	1/4"	1-3/16"	CCWSE	2-1/8"	Slv	2.1	637	**185.00**
B	**S58-450**	50405	3-3/8"	1/100	115	1550	1	0.70	35%	1/4"	1-1/4"	CCWSE	2-1/16"	Slv	2.0	23388, 23405	**235.00**
D	**S59-437**	50933	3-3/8"	1/50	120	1550	1	1.20	35%	1/4"	1"	CCW	1-7/8"	Slv	1.9	86933000, 86933	**109.00**

Packard

Oasis Direct Replacement Watt Motor

Direct Replacement For Oasis



- **S58-763** is a direct replacement for Oasis #027354-026 and #027354-037

Order #	Mfg. #	Diam.	Watts	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S58-763	10037	3-3/8"	5	115	1550	1	0.34	35%	1/4"-20 Thd	1/2"	CWOSE	2-1/2"	Unit	1.9	**255.00**

Century®

Penn Direct Replacement Ventilator Motors

- Direct replacement for Penn Ventilator


A


B


C


D

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Replaces	Each
A	**S81-671**	OPV747	5"	1/7, 1/11, 1/25	115	1550/1300/1050	3	2.50/2.10/1.60	60%	1/2"	2-1/2"	CCWLE-CWSE	4-1/4"	—	—	DE2F7085-T, 63747-0	**795.00**
B	**S82-197**	D0746	3-3/8"	1/12	115	1550	1	1.50	60%	1/3"	3-1/3"	CCWLE	3-5/6"	Slv	6.0	OPV746, FX10SR	**469.00**
C	**S82-198**	D0343	3-3/8"	1/36	115	1550	1	1.40	60%	1/3"	5-3/4"	CCWLE	2-1/4"	Slv	5.4	OPV343, Z6S/H	**465.00**
D	**S82-199**	D0346	3-3/8"	1/14	115	1550	1	3.60	60%	1/3"	5-1/3"	CCWLE	4-2/3"	Slv	6.8	OPV346, Z10S/H	**539.00**

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Reznor Direct Replacement Unit Heater Motor

PSC, 3-3/8", Open Enclosure

- Direct replacement for Reznor CCW175-43846, CCW77162-0311, CW36860, CW7162-0224
- Permanent split capacitor
- Ball bearing
- Class B insulation
- Single phase
- Includes capacitor mounted on motor
- Horizontal or vertical mounting
- PSC, 3-3/8", Open Enclosure



Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Replaces	Each
S59-512	66505	3-3/8"	1/10	115/208/230	3000	1	1.40/0.80	5/16"	3-1/4"	Rev.	Reznor: CCW175-43846, CCW77162-0311, CW36860, CW7162-0224	**425.00**

Reznor Direct Replacement Unit Heater Motor

PSC, 48 Frame, Totally Enclosed

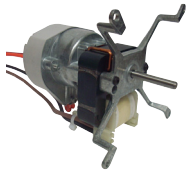
- Direct replacement for Reznor 55682, 64678
- Permanent split capacitor
- Continuous duty air over
- Ball bearing
- Class B insulation
- Single phase
- Includes capacitor mounted on motor
- Horizontal or vertical mounting
- Dual bolt circle applications, 30-60° and 45°
- Automatic overload
- UL recognized
- Mounting clamps included
- PSC, 48 Frame, Totally Enclosed

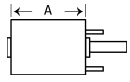


Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Replaces	Each
S59-514	40066	5-5/8"	1/6	115	1075	1	2.40	1/2"	3-3/8"	Rev.	Reznor: 55682, 64678	**519.00**

Rheem Direct Replacement C-Frame Switch Motors

- Direct replacement draft inducer switch motor for Rheem rooftop furnaces and Janitrol PGB package units
- Shaded pole, single-speed, with impedance protection
- Open enclosure
- Replacement for Rheem #51-21964-01, Fasco #7102-0628, and Goodman #B19400-00
- **S81-712** kit includes **S88-888** motor and three fan blades each with 10 blades and 1/4" diameter bore, in diameters of 3", 3-1/2" and 4"





Order #	Mfg. #	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S88-888	K628	1/200	208-230	3000	1	0.25	28%	1/4"	1-1/2"	CWSE	4-15/16"	Slv	2.3	**409.00**
S81-712	21964K	1/200	208-230	3000	1	0.25	—	1/4"	1-1/2"	CW	—	Slv	3.2	**559.00**

Rheem-Ruud Direct Replacement Blower Motor

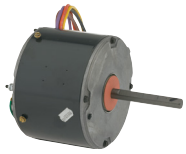
- 3-speed direct drive PSC motor direct replacement for Rheem #19572-01
- Open ventilated, sleeve bearing
- Thermally protected
- Capacitor not included

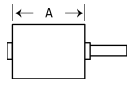


Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S81-310	1390	5"	1/4	115	1050	3	2.80	61%	1/2"	4"	Rev.	SAB	12.0	**495.00**

Rheem-Ruud Direct Replacement Condenser Fan Motors

- **S88-265** is a PSC direct replacement motor for Rheem #21276-01, 21276-02 and 51-20763-01 condenser fan motor
- **S89-630** replaces 51-20760-91 and K55MAB4123
- Totally enclosed
- Sleeve bearing, thermally protected
- Capacitor not included



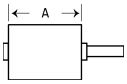


Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-265	5456	5-5/8"	1/8	208-230	825	1	1.20	53%	1/2"	3-4/5"	Rev.	4-1/16"	SAB	11.0	G21-930	**739.00**
S89-630	5457	5-5/8"	1/6	208-230	825	1	1.20	58%	1/2"	3-4/5"	Rev.	4-14/25"	SAB	13.0	G21-933	**645.00**

Rheem-Ruud Direct Replacement Condenser Fan Motors

Direct Replacement For Rheem-Ruud





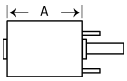
Features:
- PSC
- Totally enclosed air over
- Automatic thermal protection
- **S89-229** has four drain holes and 39" leads
- **S58-956** and **S58-957** have 41" leads, four holes and screws supplied in shell, four 8-32 studs opposite shaft end

Note: Capacitor not included

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Replaces	Capacitor To Match	Each
S89-229	5450	5-5/8"	1/5	208-230	1075	1	1.30	62%	1/2"	3-7/10"	CCW	3-13/16"	SAB	11.0	51-21854-02, 51-23055-11	G21-922	**615.00**
S58-956	5454	5-5/8"	1/5	208-230	1075	1	1.70	62%	1/2"	3-7/10"	Rev.	3-13/16"	SAB	11.0	51-20672-01, 51-20673-01, 51-20674-01, 51-20675-01, 51-20679-01, 51-20680-01, 51-20681-01, 51-20682-01, 51-21826-01, 51-21827-01, 51-21828-01, 51-21829-01, 51-21830-01, 51-21831-01	G21-922	**515.00**
S58-957	5455	5-5/8"	1/3	208-230	1075	1	2.00	62%	1/2"	3-7/10"	Rev.	4"	SAB	12.0	51-20687-01, 51-20688-01, 51-20690-01, 51-21836-01, 51-21837-01, 51-21838-01, 51-21839-01, 51-21845-03, 51-23053-11, 51-41315-01, 51-41316-01, 51-41317-01	G21-930	**549.00**

Rheem-Ruud Direct Replacement Draft Inducer Motor





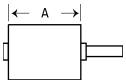
- Direct replacement for UE/Magnetek JB1R040, Rheem #51-42006-04-01 and JB1R042, Rheem #51-42006-02
- Shaded pole, ball bearing, CCWSE rotation

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Replaces	Each
S59-481	D653	3-3/8"	1/20	230/460	3000	1	1.00/0.51	35%	1/4"	2-1/4"	CCWSE	6"	Ball	4.5	653	**875.00**

Rheem-Ruud Direct Replacement Condenser Fan Motor

Direct Replacement For Rheem-Ruud



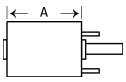


- Direct replacement for Rheem-Ruud and Marathon #48A110885; suitable for shaft-down mounting only
- 48 frame

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S89-132	8230	5-5/8"	1/4	208-230	1075	1	1.60	62%	1/2"	3-3/10"	Rev.	3-13/16"	SAB	10.0	G21-930	**559.00**

Rheem-Ruud Direct Replacement Condenser Fan Motors





- Direct replacement
- **S88-230** totally enclosed bracket opposite the shaft end, open bracket on the shaft end
- Shaft has two flats located 90° apart
- Electrically reversible
- All-angle mounting, automatic overload protector, PSC
- Capacitor not included

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-230	X470	5-5/8"	1/4	208-230	1075	1	1.60	1/2"	3"	Rev.	3-3/4"	Ball	9.0	G21-930	**389.00**

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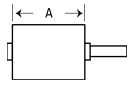
Rheem-Ruud Direct Replacement Condenser Fan Motor

- Single-speed PSC direct replacement motors
- Replaces 47 different Rheem-Ruud OEM models
- Includes four screws mounted in the sleeve of the motor
- Capacitor not included





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-601	D2840	5-5/8"	1/5	230	1075	1	1.30	65%	1/2"	4-1/8"	CWSE	3-3/4"	Slv	9.3	G21-922	**525.00**

Rheem-Ruud Direct Replacement Condenser Fan Motor

- Single-speed, PSC direct replacement for Rheem condenser fan motors

Applications:
- Replaces many Rheem models

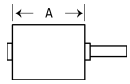


Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Replaces	Each
S82-055	63382	5-5/8"	1/5	208-230	1075	1	1.30	1/2"	3-3/4"	Rev.	Ball	51-17173-01 and many others	**365.00**

Rheem-Ruud Direct Replacement Blower Motor

- 4-speed, PSC direct replacement motor for various Rheem-Ruud blowers
- Includes eight tapped holes in shell for flex mount as the original application



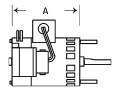


Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Replaces	Capacitor To Match	Each
S82-987	ORM1076	5-5/8"	3/4	115	1075	4	0.65	65%	1/2"	5"	Rev.	4-7/8"	Ball	19.2	(D724, S89-418), (794A, S88-890)	G35-270	**565.00**

Singer/Climate Control/Heatcraft Direct Replacement Refrigerator Coil Motor

- This single-speed, sleeve bearing, 4-pole, PSC motor is electrically reversible and includes a 4M370V capacitor mounted on the motor
- Four mounting studs are provided on both ends of the motor
- Direct replacement for Singer/Climate Control refrigeration unit #7071059 with the original motor being a Franklin #8274360100



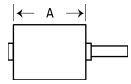


Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S58-605	D503	3-3/8"	1/10	230	1590	1	0.95	65%	5/16"	3-7/8"	Rev.	4-5/8"	Slv	5.5	**915.00**

Singer Direct Replacement Motors

- **S88-598** directly replaces #7121-4066, a rooftop vent (draft booster) switch motor found in Singer and Comfort Maker gas furnaces.
- **S80-276** replaces 1708-518 and 7121-5854

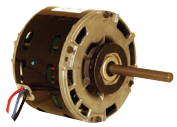


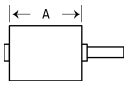


Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S80-276	D1167	3-3/8"	1/40	208-230	3000	1	0.55	35%	5/16"	1"	CCW	4-7/8"	Slv	3.7	**855.00**
S88-598	D1169	3-3/8"	1/10	208-230	3000	1	1.50	35%	5/16"	1"	CCWSE	5-3/4"	Slv	5.0	**845.00**

DEFINITE PURPOSE MOTORS
OEM Special Replacement Motors

Singer Direct Replacement Blower Motor
277 Volt





- Direct replacement for Singer

Applications:
- Direct replacement for Singer 277V blower motor
- Replaces mfg. #K47HT-605

Features:
- 3-speed, PSC, capacitor not supplied, use capacitor **G21-930**
- Open ventilated, thermally protected, sleeve bearing

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S89-799	595A	5"	1/8-1/14	277	1075	3	0.83	65%	1/2"	6-1/4"	Rev.	3-3/4"	Slv	8.8	G21-930	**845.00**

Singer Direct Replacement Blower Motor

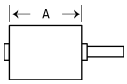


- Single-speed, CWSE, stud mounting
- Direct replacement for Universal Electric #JA2P091N and #JA2P0901N

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S58-781	D1164	3-3/8"	1/25	115/230	1550	1	1.70	35%	5/16"	2-1/2"	CWSE	3-1/8"	Slv	3.8	**399.00**

Tecumseh Direct Replacement Condenser Fan Motor
460 Volt, CCWSE Rotation



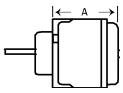


- 460 Volt, CCWSE Rotation
- Replacement for GE #5KSP11FG1197CS and Tecumseh #810G037A47 with a 3-3/8" diameter motor
- 4-pole, shaded pole, sleeve bearing, self cooling

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S58-564	D475	3-25/32"	1/15	460	1550	1	0.58	35%	5/16"	2-1/2"	CCWSE	4-1/2"	Slv	5.0	**589.00**

Tecumseh Unit Bearing Motors





- **S58-727** is a direct replacement for Tecumseh #810M035A29, TFM351 and EMS #ESP-L35EM11-C1
- **S58-728** is a direct replacement for Tecumseh #810M035A28, TFM352 and EMS #ESP-L35EM21-C1
- 12 o'clock lead exit, two #10 eyelets are included
- Shaded Pole, 42Y Frame Motors

Order #	Mfg. #	Diam.	Watts	Volts	RPM	F/L Amps	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Wt. Lbs.	Each
S58-727	ESP-L35EM11-C1	3-25/32"	35	115	1500	1.40	1/4"	1/2"	CWLE	3-3/8"	4.5	**255.00**
S58-728	ESP-L35EM21-C1	3-25/32"	35	230	1500	0.70	1/4"	1/2"	CWLE	3-3/8"	4.5	**259.00**



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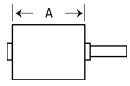
Tecumseh Direct Replacement Motor

Shaded Pole Unit Bearing Motor

- Direct replacement for Tecumseh #810M050A62
- Cast iron construction
- Semi-enclosed
- Shaded Pole Unit Bearing Motor



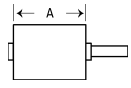


Order #	Mfg. #	Diam.	Watts	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S81-167	65045	3-1/2"	50	230	1500	1	0.85	35%	5/16"	2-1/2"	CCW	3-3/4"	Unit	7.0	**385.00**

Tecumseh Direct Replacement Motors

- **S89-011** directly replaces Tecumseh #810S037B01 or 326P137
- **S89-790** directly replaces Tecumseh #810S050A99 or 326P136
- Has automatic thermal protector and 5/16" flatted shaft



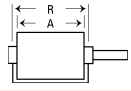


Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S89-011	OTC6004	5"	1/20	230	1500	1	1.10	35%	5/16"	2-1/2"	CCWSE	3-11/16"	Slv	6.9	**415.00**
S89-790	OTC6001	5"	1/15	230	1500	1	1.30	35%	5/16"	2-3/4"	CCWLE	3-1/16"	Slv	7.6	**435.00**

Trane Direct Replacement Unit Heater Blower Motors

- **S89-077** directly replaces Trane #X70500149-01-7 also directly replaces MOT #1878
- **S89-789** replaces Trane # X70500149-02 also replaces Emerson model #K48HXBHZ955
- 5" diameter, single shaft, cushion base mount included
- PSC, capacitor included



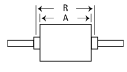


Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Each
S89-077	954A	5"	1/30-1/200	115	1100	3	0.60	65%	1/2"	8-1/2"	CCWSE	4"	4-1/2"	Slv	9.0	**769.00**
S89-789	9608A	5"	1/20-1/120	115	1100	3	0.60	65%	1/2"	9-1/2"	Rev.	3-1/4"	3-3/4"	Slv	8.0	**785.00**

Trane Direct Replacement Fan Coil/Air Conditioning Motors

- **S89-078** replaces Trane #X70500149-03-7 also replaces Emerson #K48XBJP-969, MOT 1876
- **S89-079** replaces Trane #X70500149-04-7 also replaces Emerson #K48HXBJA-956, MOT 1877
- **S89-080** replaces Trane #X70500149-12-7 also replaces Emerson #K48HXCKS-1418, MOT 1979, MOT 482
- **S89-863** replaces X70500133-01, UE DE3E152
- Double shaft, resilient ring mount
- PSC, capacitor included

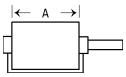




Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S89-863	641A	5"	1/30	115	1075/900/700	3	0.50	65%	1/2"	8-1/2" x 8-1/2"	Dbl. Shaft	3-1/2"	—	Slv	10.5	Included	**805.00**
S89-078	952A	5"	1/30-1/200	115	1100	3	0.74	65%	1/2"	8-1/2" x 9-1/8"	Dbl. Shaft	3-3/4"	4"	Slv	5.4	Included	**765.00**
S89-079	953A	5"	1/15-1/60	115	1100	3	0.80	65%	1/2"	10-3/4" x 10-7/8"	Dbl. Shaft	3-3/4"	4"	Slv	10.8	Included	**859.00**
S89-080	955A	5"	1/6-1/20	115	1500	3	2.00	65%	1/2"	10-1/2"	Dbl. Shaft	4"	4-1/2"	Slv	11.0	Included	**809.00**
S80-140	680A	5-5/8"	1/8	115	775/650/525	3	1.50	65%	1/2"	11-1/2" x 11-1/2"	Dbl. Shaft	5"	—	Slv	13.5	Included	**1145.00**

Trane Direct Replacement Fan Coil Motors





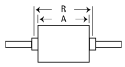
- Direct replacement
- **S89-631** replaces K48BHZ0955, K48STY-3509 and Trane X70500149-02-7, includes base
- **S89-632** replaces K48HXCNN1468, X70500269-01 and MOT2852, includes mounting brackets
- PSC, open air over
- Capacitor included

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S89-631	1676	5"	1/20	115	1100	3	0.55	39%	1/2"	8-7/10"	CCWSE	3-3/10"	SAB	9.0	G21-930	**1199.00**
S89-632	1678	5"	1/16	277	850	3	0.50	46%	1/2"	2-3/10"	CCWSE	4-1/10"	SAB	12.0	G21-928	**709.00**

Trane Direct Replacement Motor

Direct Drive Furnace Motor



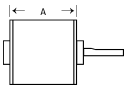


- Direct replacement for Trane, MOT1877 and Emerson #K48HXBJA0956
- 42Y frame
- Capacitor mounted (not shown)

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S89-116	1090	5"	1/15	115	1100	3	0.80	46%	1/2"	9-7/10"	CCWSE	3-13/16"	4-3/8"	SAB	7.0	G21-930	**655.00**

Trane/GE Direct Replacement Condenser Fan Motor



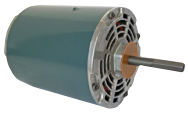


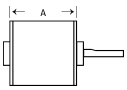
- PSC, 230V motor for rooftop A/C units
- Direct replacement for Trane #21A124302, GE motor #5KCP39CGC268S
- Single-speed, 1625 RPM, ball bearing
- Capacitor not included

Order #	Mfg. #	Diam.	HP	Volts	RPM	F/L Amps	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-997	5KCP39CGL954S	5-5/8"	1/5	230	1625	1.50	1/2"	1-1/4"	CWOSE	3-1/2"	Ball	10.0	G21-928	**535.00**

Trane Direct Replacement Commercial Condenser Fan Motors

48 Frame, PSC





- 48 Frame, PSC

Applications:

- **S81-340** is a suitable replacement for the following Trane and GE models: X70670706010, X70671180017, MOT3771, MOT5717, 5KCP39SFL19KS, 5KCP39SFL153DS
- **S81-341** is a suitable replacement for the following Trane and Fasco models: X70671653-01,X70671656-01, X70671654, X70671652-01, MOT9192, MOT9188, 7126-4088, 7126-4089, 7126-4090, 7126-4299

Features:

- Single-speed, 50/60 Hz
- Sealed ball bearings; open drip-proof
- Automatic thermal protection; Class B insul., 40°C ambient
- **S81-341** has a keyed shaft
- Rain shields available in Motor Accessories section under Motor Mounting Parts

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S81-340	D2850	5-5/8"	1	208-230/460	1125	1	4.60	68%	1/2"	3-9/20"	CW	6-1/2"	Sld Ball	23.5	G22-822	**1345.00**
S81-341	D2851	5-5/8"	1	208-230/460	1125	1	4.60	68%	5/8"	3-3/4"	CW	6-1/2"	Sld Ball	23.5	G22-822	**1399.00**

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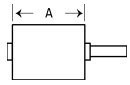
Tyler Refrigeration Direct Replacement Condenser Fan Motor

- This ball bearing, PSC motor is a direct replacement for 760, D870, 03042, 5KCP39EGC053T, 5KCP39EG755S, 5KCP39EN81S, X270
- Conduit connector included
- Has 4Mfd 370V capacitor
- Base mounting: base not included
- Rotation: CCWLE





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S82-407	OTY1024	5-5/8"	1/4	230	1625	1	1.90	60%	1/2"	3"	CCWLE	4-5/8"	Ball	12.0	Included	**715.00**

Unilux Direct Replacement Blower Motor

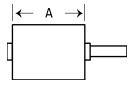
- Direct replacement for Unilux

Applications:
- Direct replacement for Unilux 5-speed 42 frame blower motor

- Replaces mfg. # L350, L450, L600, Universal Electric models DA3E200, DA3F100 and DA3G142

Features:
- PSC capacitor supplied and mounted
- Fleximount design





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S89-798	799A	5"	1/8-1/30	115	1000	5	2.60	65%	1/2"	5"	CWSE	3-3/4"	Slv	9.3	**699.00**

Ventamatic Direct Replacement

Roof and Gable Mount Ventilation Motors

- Direct Replacements for Various Single-Speed Units

Applications:
- Replaces Ventamatic units exactly and may be used to replace other makes with similar horsepowers and RPM's

Features:
- Shaded pole type 5-1/8" diameter with two-year warranty



Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	For Use With	Each
S88-562	XE4013.4	5-1/8"	1/10	115	1050	1	3.40	35.0%	1/2"	2-3/4"	CWSE	2-1/4"	009, 007, 2414-T, 2515	**125.00**
S88-563	XE4004.0	5-1/8"	1/10	115	1050	1	4.90	35.0%	1/2"	2-9/16"	CWSE	2-5/8"	VIP-T	**175.00**

Fan Blade

- For use with Ventamatic 14 inch standard electric power attic fans
- Aluminum

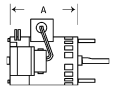


Order #	Mfg. #	Blades	Hub Bore	Each
W89-153	XX14FBLD	4	1/2"	**49.99**

York Direct Replacement Draft Booster Motor

- Direct replacement for York #024-24115-004 and F33HXJBB3621
- Single-speed, shaded pole
- Stud mounting





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S58-565	D1171	3-3/8"	1/12	460	3000	1	0.60	35%	1/4"	2-1/2"	CCW	6-7/8"	Ball	5.0	**795.00**

York Direct Replacement Motor

48 Frame Condenser Fan Motor



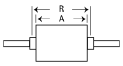
- Direct replacement for York 024-27596-000 and K55HXKWA-980
- PSC design, totally enclosed air over
- 60° ambient
- All-angle mount
- 48 Frame Condenser Fan Motor

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S81-013	1743	5-5/8"	1/4	208-230	850	1	1.50	66%	1/2"	2-4/5"	CWLE	SAB	10.0	G21-930	**585.00**

York Direct Replacement Condenser Fan Motor

For "Tombstone" Condenser Units



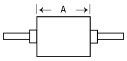


- PSC direct replacement for York air conditioner motors
- Single-speed, thermally protected
- Replaces #D1041, D1042, K47HXBGM-927
- Capacitor not included

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	"R" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S88-242	1124	5"	1/5	208-230	1075	1	1.30	60%	1/2"	5-7/10"	CCWSE	4-1/16"	4-5/8"	SAB	12.0	G21-930	**655.00**

York Direct Replacement Double Shaft A/C Motor





- Direct replacement for York

Applications:

- Direct replacement for York #024-17774-000 and 024-20795-700

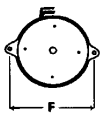
Features:

- PSC, uses **G21-930** capacitor, not supplied
- Double shaft, open ventilated, thermally protected

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Capacitor To Match	Each
S89-786	OYK6518	5"	1/5	208-230	1075	1	1.40	65%	1/2"	6-7/50"	Dbl. Shaft	3-7/8"	Slv	11.7	G21-930	**709.00**

Oil Burner Motors





- NEMA flange sizes, 115VAC, 60 Hz, manual reset overload protection
- Reversible except as noted, sleeve bearing for quiet operation
- Continuous duty, 1.0 Service Factor, 48M and 48N semi-enclosed
- **S88-506** is a non-reversible OEM direct replacement for Beckett, Carlin, Ducane and Wayne Home

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"F" Dim.	Bearing Type	Wt. Lbs.	Each
S87-630	3196	5-5/8"	1/8	115	1725	1	2.40	57%	1/2"	2"	Rev.	7-1/4"	SAB	14.0	**465.00**
S88-469	2097	5-5/8"	1/8	115	3450	1	2.40	42%	1/2"	2"	Rev.	7-1/4"	SAB	11.0	**465.00**
S88-506	5866	5-5/8"	1/7	115	3450	1	2.30	45%	1/2"	2"	CCWSE	6-3/4"	SAB	11.0	**349.00**
S89-253	3274	5-5/8"	1/7	115	3450	1	1.70	63%	1/2"	2"	Rev.	6-3/4"	Ball	10.0	**365.00**
S89-218	3252	5-5/8"	1/6	115	1725	1	3.10	60%	1/2"	2"	Rev.	7-1/4"	SAB	15.0	**525.00**
S88-579	2302	5-5/8"	1/4	115	3450	1	3.70	66%	1/2"	2"	Rev.	7-1/4"	SAB	15.0	**565.00**

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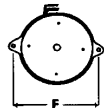
Oil Burner Motors

marathon Motors

- NEMA 48M and 48N flanged oil burner motors, 115VAC, 60 Hz
- **S87-893** and **S87-894** totally enclosed non-vent; others semi-enclosed
- Continuous duty
- 1.0 Service Factor
- Manual reset overload protection, split-phase





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"F" Dim.	Bearing Type	Wt. Lbs.	Each
S87-893	048S17T286	6-1/2"	1/8	115	1725	1	2.60	51%	1/2"	1-3/4"	Rev.	7-1/4"	Slv	10.0	**365.00**
S87-962	048S34S361	5-1/2"	1/7	115	3450	1	2.30	—	1/2"	1-3/4"	Rev.	6-3/4"	Slv	9.0	**465.00**
S87-894	048S17T290	6-1/2"	1/6	115	1725	1	3.30	—	1/2"	1-3/4"	Rev.	7-1/4"	Slv	12.0	**405.00**
S88-504	048S34S2005	5-1/3"	1/6	115	3450	1	3.00	—	1/2"	1-13/16"	Rev.	6-3/4"	Slv	11.0	**435.00**
S87-895	048S17S25	6-1/2"	1/4	115	1725	1	4.20	—	1/2"	1-3/4"	Rev.	7-1/4"	Slv	12.0	**479.00**
S88-505	048S34S2003	6-1/2"	1/4	115	3450	1	4.20	—	1/2"	1-13/16"	Rev.	7-1/4"	Slv	13.0	**469.00**

Oil Burner Motor

Split-Phase, Single-Speed

Century®

- Totally enclosed, non-ventilated
- Rotation: reversible
- Manual reset overload protection
- 1.0 service factor
- 115VAC, 60 Hz
- Single-phase

Note: NEMA frame size 48N



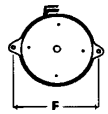
Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"F" Dim.	Bearing Type	Wt. Lbs.	Each
S88-850	XEL2014	5-5/8"	1/6	115	1725	1	3.20	60%	1/2"	1-13/16"	Rev.	7-1/4"	Slv	13.5	**435.00**

Oil Burner Motor

Beckett

- For use with AF, AFG, NX and all "M" flange burners
- Lower amp draw and cooler operation than shaded pole models
- Thermal protector with automatic reset
- Ball bearing construction, proven dependability, PSC design





Order #	Mfg. #	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	"F" Dim.	Bearing Type	Wt. Lbs.	Each
S89-230	21805U	1/7	115	3450	1	1.70	1/2"	1-31/32"	6-3/4"	Ball	8.0	**209.00**

Wool Felt Replacement Cartridges

General

- 10 micron
- Core center bonded to prevent media migration
- Includes 3 gaskets: Buna-N, center bolt and vent screw gasket
- Compatible with fuel oil conforming to ASTM D396-09 (Up to B5)



Order #	Mfg. #	Description	For Use With	Each
L37-080	1A-30	Wool	1A-25A, 77, Sears 8055, Sid Harvey XF-25/264, Mitco 264, AutoFlo F-300, Eddington S-254, Federal A-77	**5.69**
L37-081	2A-710	Wool	2A-700A, 99, Sid Harvey XF-1/265, Mitco 265, AutoFlo F-400, Eddington S-252	**14.49**
L41-664	88-CR	Wool	1A-25A, 77, Sears 8055, Sid Harvey XF-25/264, Mitco 264, AutoFlo F-300, Eddington S-254, Federal A-77	**6.39**
L41-665	101	Wool	2A-700A, 99, Sid Harvey XF-1/265, Mitco 265, AutoFlo F-400, Eddington S-252	**14.99**

Kryo Fortress Unit Bearing ECM Motor



- IP67, waterproof and dustproof for up to 30 minutes
- Retrofits for OEM, other ECM, or shaded pole unit bearing motors in commercial refrigeration evaporator units
- Standard rear 3-hole and Hussmann 4-hole mounting
- Can be used in evaporator and condensing applications
- Standard 2-pin Lyall plug
- Can operate in temperatures -40° to 55° Celsius
- Replaces up to 28 different motors

Order #	Mfg. #	Diam.	Watts	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each	3 Lot
S59-796	MD5411S	3-2/7"	4-20	115/230	1550	1	0.30-0.65	68%	1/4"	20 Thread	Rev.	Ball	2.0	**305.00**	**289.00**

Arktic 59 Commercial Refrigeration ECM Motors

Universal "Drop-In" Replacement Motor for Walk-In Evaporator Applications



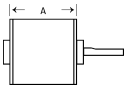
- Energy efficient
- Replaces most 4 pole 3.3" diam. fan and blower motors
- Ball bearing, thermally protected
- Low temperature lubrication system
- Standard thru bolts for easy change out
- Power cord with Lyall plug
- 50/60 Hz

Order #	Mfg. #	HP	Volts	RPM	Speeds	F/L Amps	Rot.	Bearing Type	Each
S59-458	5100A	1/15	115	1550	1	1.10	CWLE	Ball	**675.00**
S59-459	5101A	1/15	115	1550	1	1.10	CCWLE	Ball	**655.00**
S59-462	5110A	1/15	115	1550/800	2	1.10	CCWLE	Ball	**739.00**
S59-463	5111A	1/15	115	1550/800	2	1.10	CWLE	Ball	**729.00**
S59-464	5200A	1/15	208-230	1550	1	0.63	CWLE	Ball	**685.00**
S59-465	5201A	1/15	208-230	1550	1	0.63	CCWLE	Ball	**665.00**
S59-461	5204A	1/15	208-230	1550	1	0.63	CCWLE	Ball	**685.00**
S59-466	5210A	1/15	208-230	1550/800	2	0.63	CCWLE	Ball	**759.00**
S59-467	5211A	1/15	208-230	1550/800	2	0.63	CWLE	Ball	**739.00**

Arktic 142 Commercial Refrigeration ECM Motor

Universal Replacement Motors for Walk-in Coolers/Freezers and Outdoor Condenser Fans





- Energy efficient
- Ball bearing, thermally protected
- 26" power cord
- 50/60Hz
- Totally enclosed, non-vented

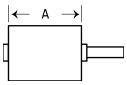
Applications:
- Walk-in coolers, freezers, parallel rack fan applications and outdoor condenser fans

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S81-884	5R007	5-5/8"	1/3	230	1075	1	3.50	80%	1/2	3.75	CCWOSE	3.1	Ball	12.0	**915.00**

SSC Unit Bearing ECM Motors

Condenser and Evaporator Fan Motors





- Ultra high efficiency
- Quiet design
- Moisture resistant construction
- Constant speed technology

Applications:
- Condenser and evaporator fan motors

Order #	Mfg. #	Watts	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	For Use With	Each
Fast On Connector														
S81-892	5R018	38	208-230	1550	2	0.45	66%	20 THRD	1/4	CCWLE	3.4	Unit	Condenser and Evaporator Fan Motors	**425.00**
2-Pin Connector														
S81-885	5R016	12	115	1550	2	0.30	66%	20 THRD	1/4	CWLE	3.2	Unit	Condenser and Evaporator Fan Motors	**405.00**
S81-887	5R020	16	115	1550	2	0.30	66%	20 THRD	1/4	CWLE	3.2	Unit	Condenser and Evaporator Fan Motors	**425.00**
S81-893	5R023	38	208-230	1550	2	0.45	66%	20 THRD	1/4	CCWLE	3.4	Unit	Condenser and Evaporator Fan Motors	**445.00**

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High Efficiency Commercial Refrigeration Display Case Motors

Replaces GE ECM 44 Motors

- Replaces 2 through 12 watt motors
- ECM motors provide advanced energy saving technology to commercial refrigeration applications
- Designed for drop-in replacement of conventional unit-bearing motors in 2 to 25 watt applications
- Built for tough environments, with precision ball bearing for moisture resistance
- Operates efficiently over wide speed range, optimum fan blade design can be achieved without limitations associated with conventional motors



Order #	Mfg. #	Diam.	Watts	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S88-938	UTBCF1651E6VH2	3"	9	115	1650	1	0.30	68%	1/4"	1/2"	CWLE	Unit	4.0	**309.00**
S88-939	UTBCF1851E6VH2	3"	16	115	1850	1	0.40	66%	1/4"	1/2"	CWLE	Unit	4.0	**345.00**

Unit Bearing ECM Motors

Unitronix ECM Supermarket Case Fan Motors

Features:

- For replacement of 6–12 or 14–16 watt output shaded pole motors
- Delivers constant speed regardless of line voltage fluctuation
- Identical speed at 60 Hz or 50 Hz
- Low motor heat rise maximizes system efficiency
- All temperature motor oil for use in condenser or evaporator applications
- Mounting holes for rear mount or "A" bracket capability

Specifications:

- Cast iron
- EMF P-2-1A power plug
- 15" leads



Order #	Mfg. #	Watts	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Rot.	Wt. Lbs.	Each
S58-972	UTB1CB1551EM56	6-12	115	1550	1	0.36	60%	1/4"	CWLE	2.4	**295.00**
S59-303	UTB1CC1551EM56	14-16	115	1550	1	0.70	60%	1/4"	CWLE	4.0	**345.00**

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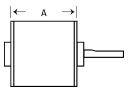
RESCUE® ECM Walk-in Evaporator Motors





- Totally enclosed air-over
- Automatic thermal protection
- Stud mounting
- IP66 dust tight with all angle moisture protection
- Suitable for use in evaporator
- High efficiency up to 70%
- Dual voltage
- Robust ball bearing system

Order #	Mfg. #	HP	Watts	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S59-628	EC5407E	1/25-1/15	30-50	115-230	1550-1650	1	0.60-0.72@115V, 0.40-0.67@230V	70%	5/16"	2.5"	CCWOSE	2.33"	Ball	3.0	**465.00**
S59-634	EC5408E	1/25-1/15	30-50	115-230	1550/800	2	0.60-0.72@115V, 0.40-0.67@230V	70%	5/16"	3"	Rev.	2.33"	Ball	3.0	**465.00**

EBM Papst Fan Assemblies

- Universal design replaces major OEM models
- Green technology upgrades efficiency
- 3 harness options available
- Nano programmer allows for easy fan speed programming


A


B


C

Fig.	Order #	Mfg. #	Watts	Volts	RPM	Speeds	F/L Amps	Efficiency	Rot.	Bearing Type	Wt. Lbs.	Description	Each	5 Lot
A	**S82-814**	EBM0207	63	100-240	1590	1	0.55	70%	CW	Ball	3.6	12" (305mm) unit cooler fan, 115-230vac, 970 CFM, multi-mount	**419.00**	**399.00**
B	**S82-815**	EBM0210	63	100-240	900-1650	10	0.55	70%	CW	Ball	3.6	12" (305mm) unit cooler fan, 115-230vac, adjustable RPM, multi-mount	**439.00**	**419.00**
C	**S82-816**	EBM9538	31	115	800-2100	2	0.46	70%	CCW	Ball	2.0	8" (200mm) ESM fan, 2 speed programmable, 115VAC	**209.00**	**199.00**
C	**S82-817**	EBM9137	31	230	800-2100	2	0.24	70%	CCW	Ball	2.0	8" (200mm) ESM fan, 2 speed programmable, 230VAC	**205.00**	**195.00**

Harnesses for ESM Axial Fans


A


B


C


D

- **S59-614** Harness for EBMW1G200 fan, two pin right angle plug, common to Hill Phoenix standard cases
- **S59-615** Harness for EBMW1G200 fan, three pin straight round plug, common to Kysor Warren standard cases
- **S59-616** Harness for EBMW1G200 fan, wire lead connection, length: 17.7" 3-wire for multi speed use
- **S59-617** Harness for EBMW1G200 fan, wire lead connection, length: 17.7" 2-wire for single speed use

Fig.	Order #	Mfg. #	Description	For Use With	Each	5 Lot
A	**S59-614**	EBM10847	Harness for EBMW1G200 fan, two pin right angle plug, common to Hill Phoenix standard cases	EBM9538 and EBM9137	**23.99**	**22.99**
B	**S59-615**	EBM10910	Harness for EBMW1G200 fan, three pin straight round plug, common to Kysor Warren standard cases	EBM9538 and EBM9137	**23.99**	**22.99**
C	**S59-616**	EBM10637	Harness for EBMW1G200 fan, wire lead connection, length: 17.7" 3-wire for multi speed use	EBM9538 and EBM9137	**23.99**	**22.99**
D	**S59-617**	EBM10901	Harness for EBMW1G200 fan, wire lead connection, length: 17.7" 2-wire for single speed use	EBM9538 and EBM9137	**22.49**	**21.49**

EBM Nano Programmer



- For programming **S82-816** and **S82-817** fans
- Programs ESM speeds
- Inserts into fan's programming port
- Battery operated
- LCD display

Order #	Mfg. #	Description	Each	5 Lot
S59-618	EBM600003	For programming EBM9538 and EBM9137 fans	**215.00**	**205.00**

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RESCUE® 58mm ECM Fan Assemblies

- 250CFM
- IP67: Capable of being submerged in water up to 30 minutes
- Suitable for use in Evaporator and Condenser Applications
- Up to 70% efficient motor
- Dual voltage: no connection change required
- Operating temperature range: -40° C to 55° C
- Thermally protected
- UL/CUL approved



Order #	Mfg. #	Diam.	Watts	Volts	RPM	Speeds	F/L Amps	Efficiency	Rot.	Bearing Type	Wt. Lbs.	Each
S82-748	EC5470FP	58MM	4-25	115-230	1550-1625	1	0.20 - 0.75A @115V, 0.15 - 0.45A @230V	70%	CWOSE	Ball	7.0	**319.00**
S82-749	EC5472FP	58MM	4-25	115-230	1550-1725	1	0.20 - 0.75A @115V, 0.15 - 0.45A @230V	70%	CWOSE	Ball	7.0	**319.00**

Evaporative Walk-In Cooler Motors

- 1550 RPM
- 60 Hz
- Single speed
- Unit bearing
- Single phase
- Totally enclosed
- 3.3 mounting



Order #	Mfg. #	Diam.	HP	Watts	Stack Height	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Wt. Lbs.	Each
Single Speed															
S81-875	UTBEC1551BJR1	Unit Bearing	1/15	50	3/4"	115	1550	1	1.25	60%	5/16"	2.66"	CCWLE/SE	5.0	**385.00**
S81-876	UTBEJ1552BJR1	Unit Bearing	1/15	50	3/4"	208-230	1550	1	0.80	60%	5/16"	2.66"	CCWLE/SE	5.0	**395.00**
S81-877	UTBEC1551BJ1	—	1/15	50	3/4"	115	1550	1	1.25	60%	5/16"	2.66"	CWLE/SE	5.0	**385.00**
S81-878	UTBEJ1552BJ1	Unit Bearing	1/15	50	3/4"	208-230	1550	1	0.80	60%	5/16"	2.66"	CWLE/SE	5.0	**395.00**

RESCUE® ECM Watt Motors

Applications:
- For refrigeration evaporator and condensing applications

Features:
- 2-year warranty
- Environmental protection rating: IP67, capable of being submerged in water up to 30 minutes and dust tight
- High efficiency up to 70%

Specifications:
- Straight two prong plug included
- Universal mounting: two sets of feet and five holes in opposite shaft side
- Temperature rating: -40°C +55°C
- Totally enclosed air over (TEAO)
- Thermally protected



Order #	Mfg. #	Watts	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S59-633	EC5411E	4-25	115/230	1550-1725	1	0.20-0.75	70%	1/4 x 20THD	0.425"	CWOSE	Ball	2.0	**325.00**
S59-632	EC5412E	4-25	115/230	1550-1725	1	0.20-0.75	70%	1/4 x 20THD	0.425"	CCWOSE	Ball	2.0	**325.00**
S59-643	EC5414E	4-25	115-230	1550-2100	—	0.22-0.75/0.15-0.45	70%	1/4"	0.425"	Rev.	Ball	2.0	**415.00**

Are Your Refrigerated Cases Eating Your Profits?

Upgrade to ECM Technology — The High Efficiency Alternative

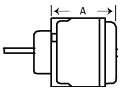
Save Energy
- Electronically Commutated Motors (ECM's) operate at higher efficiency (approx. 68%) than traditional watt motors
- Higher efficiency means lower electrical operating costs

Reduce Waste-Heat
- Heat in a refrigerated space has always been a necessary evil in the food marketing industry with lights, motors and defrost heating elements as the culprits. Heat not only shortens food storage life, it also adds to the load placed on the refigeration system.
- ECM's dramatically reduce the waste-heat generated by refrigeration case evaporator motors.

Comply with New Legislation
- As of January 1, 2009, California's Title 20 Appliance Efficiency Standards required that all new walk-in coolers and commercial freezers use ECM evaporator fans. With many states referring to Title 20 in their own efficiency rulings, this new standard will quickly become the law of the land.
- According to the U.S. Department of Energy (DOE), replacing traditional shaded-pole motors with ECM's is one of the best ways to improve energy efficiency.

ELCO®





Commercial Refrigeration ECM Motors

Elco High Efficiency

Features:
- Life expectancy of 60,000+ hours
- IP65 moisture protection grade
- Totally enclosed
- Sealed ball bearings

Specifications:
- Working temp: -40°C +55°C
- M4 Studs on 3.72" B.C. for shroud/guard

Order #	Mfg. #	HP	Watts	Volts	RPM	F/L Amps	Rot.	"A" Dim.	Bearing Type	Each
S81-684	EC-HE-0176	1/50	15	115	1600	0.22	CCW	4"	Ball	**609.00**

Packard



Commercial Refrigeration Fan Motors

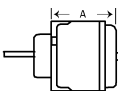
Elco NU Series

- For use in industrial and commercial refrigeration fans for condensing, ventilating and evaporator units, walk-in and reach-in coolers, freezers, food and beverage chillers
- All-angle self-aligning sleeve bearings
- Totally enclosed
- Continuous air over
- Class B insulation
- Standard operating temperatures -40°F to +104°F (-40°C to +40°C)
- UL listed, CSA approved
- Rear mount: 3 tapped holes #8-36 thread
- Foot mount: 4 holes, #8-36 thread

Order #	Mfg. #	Watts	Volts	F/L Amps	Rot.	Bearing Type	Each
S59-533	PSQ4CW115	4	115	0.37	CWLE	Slv	**119.00**
S59-534	PSQ5CW115	5	115	0.40	CWLE	Slv	**135.00**
S59-535	PSQ6CW115	6	115	0.41	CWLE	Slv	**119.00**
S59-536	PSQ9CW115	9	115	0.58	CWLE	Slv	**99.00**
S59-537	PSQ9CW230	9	230	0.35	CWLE	Slv	**129.00**
S59-538	PSQ18CW115	18	115	1.00	CWLE	Slv	**109.00**
S59-539	PSQ18CW230	18	230	0.50	CWLE	Slv	**129.00**

ELCO®





Commercial Refrigeration Fan Motors

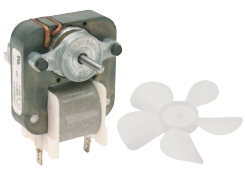
Elco NU Series

Applications:
- Multiple mounting features
- For industrial and commercial condensing and evaporating units, ventilating units, freezers, wall-in and reach-in coolers, food beverage coolers and other fan duty applications

Specifications:
- Impedance or thermally protected
- 3 tapped holes @ 120° and 2 at 180°
- 4 shaft end studs

Order #	Mfg. #	HP	Watts	Volts	F/L Amps	Rot.	"A" Dim.	Bearing Type	Each
S81-686	EC4W115	1/185	4	115	0.36	CCW	2.33"	Slv	**175.00**
S81-687	EC6W115	1/125	6	115	0.41	CCW	2.56"	Slv	**165.00**
S81-689	EC9W115	1/83	9	115	0.58	CCW	2.56"	Slv	**175.00**
S81-691	EC16W115	1/47	16	115	0.89	CCW	2.97"	Slv	**225.00**
S81-692	EC16W230	1/47	16	230	0.50	CCW	2.97"	Slv	**235.00**
S81-693	EC34W115	1/20	34	115	1.60	CCW	3.58"	Slv	**305.00**
S81-694	EC34W230	1/20	34	230	0.80	CCW	3.58"	Slv	**315.00**
S81-697	EC5W115	1/500	5	115	—	—	—	—	**165.00**

Packard



Delfield Direct Replacement Reach-In Cooler Motor

- Impedance protected, shaded pole, C-frame
- Directly replaces #1175-10-4439 Delfield motor
- Includes 5-1/2" diameter plastic fan blade

Order #	Mfg. #	Stack Height	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S58-514	65514	5/8"	120	3000	1	0.44	30%	3/16"	3/4"	CWSE	Slv	1.4	**165.00**

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Evaporator Fan Universal Motor Kit

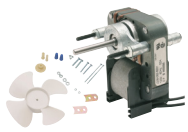
- Prefastened, multi-fit, break-off mounting brackets
- Break-off motor shaft with adapters
- Complete with all mounting accessories, hardware and easy-to-read illustrated instructions
- Replaces Mars #90999
- Impedance protected
- 2" break-off shaft



Order #	Mfg. #	HP	Volts	RPM	Speeds	F/L Amps	Rot.	Each	3 Lot
S58-528	SM999	1/200	120	3000	1	0.31	Rev.	**35.99**	**28.49**

Ball Bearing Evaporator Motor Kit

- Heavy-duty construction — ideal for commercial evaporator fans
- Mechanically reversible
- Impedance protected
- **S58-668** includes a 5-1/2" fan blade, 1/4" and 5/16" shaft adapters, 3/16" hub adapter and all accessory mounting hardware

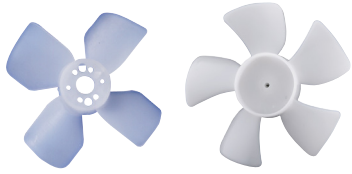


Order #	Mfg. #	Stack Height	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Replaces	Each
S58-668	65686	5/8"	120	3000	1	0.41	30%	3/16"	1-1/4"	CWSE	Ball	2.5	Mars #90948 Gem #EM686	**209.00**

Four and Five-Blade Plastic Fan Blades

- **S58-459** special for Broan, Nutone and Air King bathroom ventilators
- **S58-602** special for Bohn #5101B

Fig.	Order #	Size	Rot.	Blades	Hub Bore	Each
A	**S58-484**	5-1/2"	CCW	4	3/16"	**8.89**
B	**S58-108**	4"	CW	5	1/8"	**8.79**
B	**S58-109**	4"	CCW	5	1/8"	**8.69**
B	**S58-106**	4"	CW	5	3/16"	**8.79**
B	**S58-107**	4"	CCW	5	3/16"	**8.79**
B	**S58-459**	5"	CW	5	3/16"	**11.99**
B	**S58-460**	5"	CCW	5	3/16"	**11.99**
B	**S58-602**	5-9/16"	CCW	5	3/16"	**11.49**



Unit Bearing Fan Motors

Direct Replacement for GE 51 Frame, Shaded Pole, Totally Enclosed Used on Commercial and Domestic Refrigerators, Freezers, Refrigeration Display Cases, Unit Heaters and Exhaust Fans

- These motors will fit existing brackets used by GE and Morrill
- Designed for quiet, efficient fan duty operation
- Permanently lubricated
- Die-cast aluminum housing and end shield 2–9 watt
- **S58-948** and **S88-225** to **S88-228** are cast iron
- All-angle mounting, mounted by three screws on lead end
- All motors except 2 watt have rigid foot mounts
- 24" leads with molded strain relief or 2 watt, 25" leads on 4–9 watt
- Used with 7" to 10" hubless fan blades
- All have threaded shaft with hub
- Includes vibration dampener, hubwasher, speed nut and three mounting screws: 2 watt has four screws, 4 watt has three screws and 6–9 watt has five screws



Order #	Mfg. #	Diam.	Watts	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Replaces	Each	5 Lot
S82-799	UB550	2-5/8"	2	115	1550	1	0.22	30%	1/4"	20 Threaded	CWOSE	Unit Bearing	2.0	S88-040	**95.00**	**91.00**
S82-800	UB554	2-5/8"	4	115	1450	1	0.29	30%	1/4"	20 Threaded	CWOSE	Unit Bearing	2.0	S88-042	**105.00**	**99.00**
S82-801	UB555	2-5/8"	4	115	1450	1	0.29	30%	1/4"	20 Threaded	CCWOSE	Unit Bearing	2.0	S88-043	**105.00**	**99.00**
S82-802	UB582	2-5/8"	5	115	1550	1	0.34	30%	1/4"	20 Threaded	CWOSE	Unit Bearing	2.3	S88-388	**119.00**	**115.00**
S82-803	UB583	2-5/8"	5	115	1550	1	0.34	30%	1/4"	20 Threaded	CCWOSE	Unit Bearing	2.5	S88-389	**135.00**	**125.00**
S82-804	UB558	2-5/8"	6	115	1550	1	0.36	30%	1/4"	20 Threaded	CWOSE	Unit Bearing	2.5	S88-044	**115.00**	**109.00**
S82-805	UB559	2-5/8"	6	115	1550	1	0.36	30%	1/4"	20 Threaded	CCWOSE	Unit Bearing	2.5	S88-045	**119.00**	**115.00**
S82-806	UB562	2-5/8"	9	115	1550	1	0.53	30%	1/4"	20 Threaded	CWOSE	Unit Bearing	2.5	S88-046	**125.00**	**115.00**
S82-807	UB563	2-5/8"	9	115	1550	1	0.53	30%	1/4"	20 Threaded	CCWOSE	Unit Bearing	2.5	S88-047	**119.00**	**115.00**
S82-808	UB564	2-5/8"	9	230	1550	1	0.27	30%	1/4"	20 Threaded	CWOSE	Unit Bearing	2.5	S88-048	**119.00**	**115.00**
S82-809	UB565	2-5/8"	9	230	1550	1	0.27	30%	1/4"	20 Threaded	CCWOSE	Unit Bearing	2.5	S88-049	**119.00**	**115.00**
S58-948	2108	3-3/5"	9	115	1550	1	0.60	30%	1/4 x 20THD	1/2"	CWLE	SAB	3.0	—	**149.00**	**145.00**
S88-225	2112	3-3/5"	16	115	1550	1	1.00	30%	1/4 x 20THD	1/2"	CWLE	SAB	4.5	—	**225.00**	**209.00**
S88-226	2111	3-3/5"	16	115	1550	1	1.00	30%	1/4 x 20THD	1/2"	CWSE	SAB	4.5	—	**225.00**	**209.00**
S88-227	2114	3-3/5"	16	230	1550	1	0.50	30%	1/4 x 20THD	1/2"	CWLE	SAB	4.5	—	**315.00**	**299.00**
S88-228	2113	3-3/5"	16	230	1550	1	0.50	30%	1/4 x 20THD	1/2"	CCWLE	SAB	4.5	—	**315.00**	**299.00**

Packard



Unit Bearing Motors with Lyall Plug

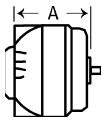
- Cast iron construction
- Totally enclosed
- 1/4" threaded shaft
- **S59-293** replaces 5KSM81FFL0018
- **S59-294** replaces 5KSM81FFL0017

Order #	Mfg. #	Diam.	Watts	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Wt. Lbs.	Each
S59-293	65018	3-1/2"	5	115	1550	1	0.34	35%	1/4"-20 Thd	1/2"	CWOSE	3.8	**179.00**
S59-294	65017	3-1/2"	9	115	1550	1	0.50	35%	1/4"-20 Thd	1/2"	CWOSE	3.3	**189.00**

Packard

Johnstone Supply Unit Bearing Motors

- For refrigerators, freezers, display cases and walk-in coolers
- Single-speed, single rotation, 1550 RPM
- All-angle operation, continuous air over
- Improved permanent lubricated
- Long life sleeve bearings
- Impedance or overload protection
- 50/60 Hz
- Side pad mounting, except **S55-109**
- Shaft: 1/4" threaded, 1/2" long
- Cast iron construction, except **S55-109** is aluminum
- **S55-109** has detachable female plug
- 50 watt motors are 3/8" x 1 1/2" shaft
- 50 watt motors are semi-enclosed




A


B


C


D


E

Fig.	Order #	Mfg. #	Diam.	Watts	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
A	**S55-109**	65109	3-1/2"	2	115	1550	1	0.25	35%	1/4"-20 Thd	1/2"	CWOSE	3-1/2"	Slv	2.0	**95.00**
B	**S81-933**	65111	3-1/2"	2.5	115	1000	1	0.26	35%	1/4"-20 Thd	1/2"	CWOSE	3-1/2"	Slv	2.0	**129.00**
B	**S55-211**	65211	3-1/2"	4	115	1550	1	0.27	35%	1/4"-20 Thd	1/2"	CWOSE	3-1/2"	Slv	3.0	**135.00**
C	**S81-921**	65213	3-1/2"	4	115	1550	1	0.29	35%	1/4"-20 Thd	1/2"	CWOSE	3-1/2"	Slv	3.0	**135.00**
B	**S55-311**	65311	3-1/2"	6	115	1550	1	0.40	35%	1/4"-20 Thd	1/2"	CWOSE	4"	Slv	3.0	**149.00**
B	**S81-922**	65312	3-1/2"	6	115	1550	1	0.40	35%	1/4"-20 Thd	1/2"	CCWOSE	4"	Slv	3.0	**145.00**
B	**S81-923**	65313	3-1/2"	6	115	1550	1	0.40	35%	1/4"-20 Thd	1/2"	CWOSE	4"	Slv	3.0	**155.00**
B	**S55-411**	65411	3-1/2"	9	115	1550	1	0.55	35%	1/4"-20 Thd	1/2"	CWOSE	4"	Slv	3.3	**145.00**
B	**S81-924**	65412	3-1/2"	9	115	1550	1	0.55	35%	1/4"-20 Thd	1/2"	CCWOSE	4"	Slv	3.3	**145.00**
C	**S81-925**	65413	3-1/2"	9	115	1550	1	0.50	35%	1/4"-20 Thd	1/2"	CWOSE	4"	Slv	3.3	**139.00**
B	**S81-926**	65421	3-1/2"	9	230	1550	1	0.27	35%	1/4"-20 Thd	1/2"	CWOSE	4"	Slv	3.3	**169.00**
D	**S81-927**	65422	3-1/2"	9	230	1550	1	0.27	35%	1/4"-20 Thd	1/2"	CCWOSE	4"	Slv	3.3	**169.00**
D	**S81-928**	65811	3-1/2"	16	115	1550	1	1.01	35%	1/4"-20 Thd	1/2"	CWOSE	4-1/4"	Slv	4.0	**195.00**
D	**S81-929**	65812	3-1/2"	16	115	1550	1	1.02	35%	1/4"-20 Thd	1/2"	CCWOSE	4-1/4"	Slv	4.0	**195.00**
C	**S81-930**	65813	3-1/2"	16	115	1550	1	1.03	35%	1/4"-20 Thd	1/2"	CW0SE	4-1/4"	Slv	4.0	**199.00**
D	**S81-931**	65821	3-1/2"	16	230	1550	1	0.50	35%	1/4"-20 Thd	1/2"	CWOSE	4-1/4"	Slv	4.0	**215.00**
D	**S81-932**	65822	3-1/2"	16	230	1550	1	0.50	35%	1/4"-20 Thd	1/2"	CCWOSE	4-1/4"	Slv	4.0	**219.00**
A	**S81-161**	65001	3-1/2"	25	115	1500	1	1.10	35%	1/4"-20 Thd	1/2"	CWOSE	3-3/8"	Slv	4.9	**325.00**
A	**S81-163**	65020	3-1/2"	35	115	1500	1	1.40	35%	1/4"-20 Thd	1/2"	CWOSE	3-3/8"	Slv	4.8	**375.00**
A	**S81-164**	65021	3-1/2"	35	230	1500	1	0.70	35%	1/4"-20 Thd	1/2"	CWOSE	3-3/8"	Slv	4.8	**389.00**
E	**S81-165**	65040	3-1/2"	50	115	1500	1	1.70	35%	3/8"	1-1/2"	CWOSE	3-5/8"	Slv	7.0	**369.00**
E	**S81-166**	65041	3-1/2"	50	230	1500	1	0.85	35%	3/8"	1-1/2"	CWOSE	3-5/8"	Slv	7.0	**369.00**

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RESCUE® ECM Watt Motors

Applications:
- For refrigeration evaporator and condensing applications

Features:
- 2-year warranty
- Environmental protection rating: IP67, capable of being submerged in water up to 30 minutes and dust tight
- High efficiency up to 70%

Specifications:
- Straight two prong plug included
- Universal mounting: two sets of feet and five holes in opposite shaft side
- Temperature rating: -40°C +55°C
- Totally enclosed air over (TEAO)
- Thermally protected



Order #	Mfg. #	Watts	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S59-633	EC5411E	4-25	115/230	1550-1725	1	0.20-0.75	70%	1/4 x 20THD	0.425"	CWOSE	Ball	2.0	**325.00**
S59-632	EC5412E	4-25	115/230	1550-1725	1	0.20-0.75	70%	1/4 x 20THD	0.425"	CCWOSE	Ball	2.0	**325.00**
S59-643	EC5414E	4-25	115-230	1550-2100	—	0.22-0.75/0.15-0.45	70%	1/4"	0.425"	Rev.	Ball	2.0	**415.00**

Unit Bearing Fan Motors From Morrill

Applications:
- Commercial and domestic refrigeration equipment, room and hood ventilators, room heaters, evaporative coolers and various equipment using 6" to 10" fan blades

Features:
- Cast iron
- Unique two rigid foot bases, top and bottom, with four mounting holes
- Three drilled and tapped holes in base allow vertical or horizontal mounting
- Positive flow lubrication system
- Large pre-oiled felt wick reservoir for long life
- 1/4" x 20" threaded shaft with rubber mounting pad
- **S58-707** is a 5W direct replacement for Hill Refrigeration



Order #	Mfg. #	Diam.	Watts	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Wt. Lbs.	Each
S58-704	10002	3-1/2"	2	115	1550	1	0.16	35%	1/4"-20 Thd	1/2"	CWOSE	2.0	**139.00**
S58-705	10004	3-1/2"	4	115	1550	1	0.32	35%	1/4"-20 Thd	1/2"	CWOSE	3.0	**159.00**
S58-706	10005	3-1/2"	5	115	1550	1	0.34	35%	1/4"-20 Thd	1/2"	CWOSE	3.0	**135.00**
S58-707	10287	3-1/2"	5	115	1550	1	0.34	35%	1/4"-20 Thd	1/2"	CWOSE	3.0	**169.00**
S58-708	10006	3-1/2"	6	115	1550	1	0.36	35%	1/4"-20 Thd	1/2"	CWOSE	3.0	**165.00**
S58-709	10009	3-1/2"	9	115	1550	1	0.53	35%	1/4"-20 Thd	1/2"	CWOSE	3.0	**165.00**
S58-710	10029	3-1/2"	9	230	1550	1	0.27	35%	1/4"-20 Thd	1/2"	CWOSE	3.0	**175.00**

Unit Bearing Motors

GE 11 Frame, Shaded Pole Replacements

- GE #5KSP11 shaded pole unit bearing motors, single-speed, all-angle mounting for replacement in unit heaters, condenser units, refrigeration units, fans and other air moving applications
- Stud mounting
- **S81-915** replaces GE 1431
- **S81-916** replaces GE1441
- **S81-917** replaces GE 1442
- **S81-918** replaces GE 1232
- **S81-920** replaces GE 5212


A


B


C


D

Fig.	Order #	Mfg. #	HP	Watts	Volts	RPM	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Each
A	**S81-915**	61431	1/30	—	115	1550	1.70	5/16"	1-1/4"	CWOSE	Slv	**505.00**
A	**S81-916**	61441	1/30	—	115	1550	1.70	5/16"	1-1/4"	CCWOSE	Slv	**505.00**
A	**S81-917**	61442	1/30	—	208-230	1550	0.87	5/16"	1-1/4"	CCWOSE	Slv	**505.00**
A	**S81-918**	61232E	1/15	—	208-230	1550	0.93	5/16"	2"	CWOSE	Slv	**495.00**
B	**S81-920**	65212	—	4	115	1550	0.29	1/4"	1/2"	CCW	—	**145.00**
C	**S59-435**	65119	—	5	115	1550	0.34	1/4"	1/2"	CW	—	**99.00**
D	**S59-434**	64277	—	6	277	1550	0.17	1/4"	1/2"	CW	—	**115.00**

Packard

Linear Unit Bearing Motors



- Primarily used in commercial refrigeration; both evaporator and air cooler
- Fits existing brackets used by GE, Morrill and A.O.Smith
- Single Foot

Order #	Mfg. #	Diam.	Watts	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Wt. Lbs.	Replaces	Each
S59-500	L5109	3.46	2	115	1550	1	0.28	1/4"	1/2"	CW	2.7	Mars: 15109; GE: 5109; Jard: JWM-5111; Supco: SM5109; Smart Electric: SM5109; Lionball: YJ2-115	**65.00**
S59-501	L5211	3.46	4	115	1550	1	0.33	1/4"	1/2"	CW	2.8	Mars: 15211; GE: 5211; Smart Electric: SE5211; Supco: SM5211; Lionball: YJ4-115	**69.00**
S59-502	L5311	3.46	6	115	1550	1	0.46	1/4"	1/2"	CW	3.2	Mars: 15311; GE: 5311; Smart Electric: SE5311; Supco: SM5311; Lionball: YJ6-115	**65.00**
S59-503	L5411	3.46	9	115	1550	1	0.62	1/4"	1/2"	CW	3.3	Mars: 15411; GE: 5411; Smart Electric: SE5411; Supco: SM5411; Lionball: YJ9-115	**65.00**
S59-504	L5421	3.46	9	230	1550	1	0.33	1/4"	1/2"	CW	3.5	Mars: 15421; GE: 5421; Smart Electric: SE5421; Lionball: YJ9-230	**65.00**
S59-505	L5811	3.46	16	115	1550	1	0.95	1/4"	1/2"	CW	3.9	Mars: 15811; GE: 5811; Smart Electric: SE5811; Lionball: YJ16-115	**85.00**
S59-506	L5821	3.46	16	230	1550	1	0.48	1/4"	1/2"	CW	3.1	Mars: 15821; GE: 5821; Smart Electric: SE5821; Lionball: YJ16-230	**95.00**

EM&S

Unit Bearing Fan Motors

Shaded Pole

- **S88-316** replaces #050-0267-00, 810M035A29
- **S88-318** replaces #050-0267-01, 810M035A21 and 810M035A28
- **S88-320** replaces #050-0244-01, 998-1008-00
- **S88-322** replaces #050-0244-00, 998-1007-00
- **S58-666** replaces #050-0244-03
- Leads: 22" long
- Shaft: 35 watt motors — 1/4"-20 thread; 50 watt motors — 3/8" diameter, flatted shaft

Note: All shafts 1/2" in length are 1/4"-20 threaded. Four #8–36 motor mounting screws are supplied, and 35 watt units come with fan silencer and Tinnerman fan fastener.



A



B

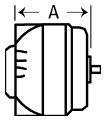

Fig.	Order #	Mfg. #	Diam.	Watts	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Wt. Lbs.	Replaces	Each
A	**S88-700**	ESP-L16EM1	3-25/32"	16	115	1500	1	0.80	1/4"	1/2"	CWLE	3-3/8"	—	—	**195.00**
A	**S88-701**	ESP-L16EMR1	3-25/32"	16	115	1500	1	0.80	1/4"	1/2"	CCWLE	3-3/8"	—	—	**195.00**
A	**S88-702**	ESP-L16EM2	3-25/32"	16	230	1500	1	0.40	1/4"	1/2"	CWLE	3-3/8"	—	—	**205.00**
A	**S88-703**	ESP-L16EMR2	3-25/32"	16	230	1500	1	0.40	1/4"	1/2"	CCWLE	3-3/8"	—	—	**205.00**
A	**S88-312**	ESP-L25EM1	3-25/32"	25	115	1500	1	1.10	1/4"	1/2"	CWLE	3-3/8"	—	—	**239.00**
A	**S88-313**	ESP-L25EMR1	3-25/32"	25	115	1500	1	1.10	1/4"	1/2"	CCWLE	3-3/8"	—	—	**239.00**
A	**S88-314**	ESP-L25EM2	3-25/32"	25	230	1500	1	0.55	1/4"	1/2"	CWLE	3-3/8"	—	—	**245.00**
A	**S88-315**	ESP-L25EMR2	3-25/32"	25	230	1500	1	0.55	1/4"	1/2"	CCWLE	3-3/8"	—	—	**245.00**
A	**S88-316**	ESP-L35EM1	3-25/32"	35	115	1500	1	1.40	1/4"	1/2"	CWLE	3-3/8"	4.5	050-0267-00, 810M035A29	**249.00**
A	**S88-317**	ESP-L35EMR1	3-25/32"	35	115	1500	1	1.40	1/4"	1/2"	CCWLE	3-3/8"	4.5	—	**249.00**
A	**S88-318**	ESP-L35EM2	3-25/32"	35	230	1500	1	0.70	1/4"	1/2"	CWLE	3-3/8"	4.5	050-0267-01, 810M035A21 and 810M035A28	**255.00**
A	**S88-319**	ESP-L35EMR2	3-25/32"	35	230	1500	1	0.70	1/4"	1/2"	CCWLE	3-3/8"	4.5	—	**255.00**
B	**S88-320**	ESP-OL50EM1	3-25/32"	50	115	1500	1	1.70	3/8"	1-1/2"	CWLE	3-3/4"	6.0	050-0244-01, 998-1008-00	**259.00**
B	**S88-321**	ESP-OL50EMR1	3-25/32"	50	115	1500	1	1.70	3/8"	1-1/2"	CCWLE	3-3/4"	6.0	—	**259.00**
B	**S88-322**	ESP-OL60EM2	3-25/32"	50	208/230	1500	1	0.85	3/8"	1-1/2"	CWLE	3-3/4"	6.0	050-0244-00, 998-1007-00	**279.00**
B	**S88-323**	ESP-OL50EMR2	3-25/32"	50	230	1500	1	0.85	3/8"	1-1/2"	CCWLE	3-3/4"	6.0	—	**265.00**
B	**S58-666**	ESP-OL50EM461	3-25/32"	50	460	1500	1	0.44	3/8"	1-1/2"	CWLE	3-3/4"	6.0	050-0244-03	**505.00**
B	**S58-665**	ESP-OL50EMV4	3-25/32"	50	460	1500	1	0.44	3/8"	1-1/2"	CWLE	3-3/4"	6.0	—	**505.00**
B	**S58-663**	ESP-OL50EM1B1	3-25/32"	50	115	1500	1	1.70	5/16"	3-1/2"	CWLE	3-3/4"	6.0	—	**265.00**

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Copeland Direct Replacement Motors

Single-Phase

- **S81-870** replaces Copeland #050-0367-00, 050-0367-03, 050-0367-06, 050-0367-10
- **S81-871** replaces Copeland #050-0367-01, 050-0367-11
- **S81-872** replaces Copeland #050-0344-01
- **S81-873** replaces Copeland #050-0344-00, 050-0344-10

- Unit bearing, 1500 RPM
- 60 Hz
- Single speed
- Shaded pole
- Class A insulation



Order #	Mfg. #	Diam.	Watts	Stack Height	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Wt. Lbs.	Capacitor To Match	Each
S81-870	ESP-L35EM12H	Unit Bearing	35	3/4"	115	1500	1	1.40	35%	1/4"	.50"	CWLE	5.0	NA	**265.00**
S81-871	ESP-L35EM24H	Unit Bearing	35	3/4"	208/230	1500	1	0.70	35%	1/4"	.50"	CWLE	5.0	NA	**269.00**
S81-872	ESP-OL50EM16H	Unit Bearing	50	1"	115	1500	1	1.70	38%	1/4"	.50"	CWLE	6.0	NA	**275.00**
S81-873	ESP-OL50EM26H	Unit Bearing	50	1"	208-230	1500	1	1.00	38%	1/4"	.50"	CWLE	6.0	NA	**285.00**
S81-874	ESP-OL50EM46H	Unit Bearing	50	1"	460	1500	1	0.44	38%	1/4"	.50"	CWLE	6.0	NA	**555.00**

Single-Phase, Split-Phase Motors

48 Frame, Dripproof, Single-Speed

Applications:
- Commercial fans, blowers and evaporative coolers, having moderate starting loads or loads applied after the motor is up to speed

Features:
- Reversible rotation
- Resilient or welded base



A



B

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
Automatic Thermal Protection															
A	**S83-648**	048S17D11041	5-5/8"	1/4	115/230	1725	1	4.6/2.3	—	1/2"	—	Rev.	Ball	13.0	**389.00**
A	**S83-646**	048S17D11042	5-5/8"	1/3	115/230	1725	1	6.0/3.0	62%	1/2"	—	Rev.	Ball	14.26	**409.00**
A	**S83-649**	048S17D11040	5-5/8"	1/2	115/230	1725	1	7.2/3.6	62%	1/2"	—	Rev.	Ball	16.14	**465.00**
No Thermal Protection															
B	**S89-370**	5KH39QN5525	5-5/8"	1/4	115	1725	1	5.10	—	1/2"	1-1/2"	Rev.	Ball	13.0	**419.00**
B	**S89-369**	5KH39QN5508	5-5/8"	1/3	115	1725	1	6.20	—	1/2"	1-1/2"	Rev.	Ball	15.0	**429.00**
B	**S89-366**	5KH39QN5524	5-5/8"	1/3	115	1725	1	6.20	—	1/2"	1-1/2"	Rev.	Ball	15.0	**495.00**

Single-Phase, Split-Phase Motors

48 Frame, Dripproof, Single-Speed or Two-Speed

Applications:
- Commercial fans, blowers and evaporative coolers having moderate starting loads or loads applied after the motor is up to speed

Features:
- Extended through bolts

- Resilient base
- Reversible rotation
- No thermal protection

Note: No thermal protection



Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S89-306	HG156	5-5/8"	1/6	115	1725	1	3.90	1/2"	1-7/8"	Rev.	Ball	13.0	**425.00**
S89-314	5KH37PN33	5-5/8"	1/4-1/12	115	1725	2	4.20	1/2"	1-7/8"	Rev.	Ball	21.0	**575.00**
S89-312	4396	5-5/8"	1/3-1/9	115	1725	2	6.30	1/2"	1-1/2"	Rev.	Ball	19.0	**685.00**
S89-305	5KH32JN3128	5-5/8"	1/3	115	1725	1	6.20	1/2"	1-7/8"	Rev.	Ball	15.0	**549.00**

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marathon Motors


A


B

Single-Phase, Split-Phase Motors
48 Frame, Dripproof, Single-Speed or Two-Speed

Features:
- Rated for continuous duty
- Reversible rotation
- Fig. A: resilient base, fig. B: welded base
- **S87-952**, **S87-953** and **S87-954** have a shaft adapter included to increase diameter to 5/8" and a special base for 48/56 frame mount

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
No Thermal Protection														
A	**S88-627**	048S17D2052	5-5/8"	1/6	115	1725	1	3.60	1/2"	1-7/8"	Rev.	Ball	13.0	**369.00**
A	**S88-136**	048S17D2042	5-5/8"	1/4	115	1725	1	5.70	1/2"	1-1/2"	Rev.	Slv	13.0	**369.00**
A	**S88-629**	048S17D2054	5-5/8"	1/4	115	1725	1	5.00	1/2"	1-7/8"	Rev.	Ball	14.0	**389.00**
B	**S88-134**	048S17D2090	5-5/8"	1/3	115	1725	1	6.60	1/2"	1-1/2"	Rev.	Ball	14.0	**385.00**
A	**S88-631**	048S17D2056	5-5/8"	1/3	115	1725	1	5.50	1/2"	1-7/8"	Rev.	Ball	15.0	**445.00**
A	**S88-633**	048S17D2058	5-5/8"	1/2	115	1725	1	7.50	1/2"	1-7/8"	Rev.	Ball	18.0	**535.00**
No Thermal Protection														
B	**S88-133**	048S17D2089	5-5/8"	1/4	115	1725	1	5.70	1/2"	1-1/2"	Rev.	Slv	13.0	**349.00**
A	**S88-628**	048S17D2053	5-5/8"	1/6	115	1725	1	3.60	1/2"	1-7/8"	Rev.	Ball	13.0	**379.00**
A	**S87-952**	048S17D2104	5-5/8"	1/4	115	1725	1	5.30	1/2"	1-7/8"	Rev.	Slv	14.0	**385.00**
A	**S88-630**	048S17D2055	5-5/8"	1/4	115	1725	1	5.00	1/2"	1-7/8"	Rev.	Ball	14.0	**409.00**
A	**S88-637**	5KH37PN33X	5-5/8"	1/4	115	1725	2	4.10	1/2"	1-7/8"	Rev.	Ball	18.0	**595.00**
A	**S87-953**	048S17D2105	5-5/8"	1/3	115	1725	1	6.60	1/2"	1-7/8"	Rev.	Slv	14.0	**425.00**
A	**S88-632**	048S17D2057	5-5/8"	1/3	115	1725	1	5.50	1/2"	1-7/8"	Rev.	Ball	15.0	**459.00**
A	**S87-954**	048S17D2106	5-5/8"	1/2	115	1725	1	9.20	1/2"	1-7/8"	Rev.	Slv	17.0	**515.00**
A	**S88-634**	048S17D2059	5-5/8"	1/2	115	1725	1	7.50	1/2"	1-7/8"	Rev.	Ball	19.0	**569.00**

marathon Motors



Single-Phase, Split-Phase Motors
56 Frame, Dripproof, Single-Speed or Two-Speed

Applications:
- Commercial fans, blowers and evaporative coolers having moderate starting loads or loads applied after the motor is up to speed

Features:
- Extended through bolts
- Resilient base
- Reversible rotation
- No thermal protection

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S89-309	5KH46MN6053	6-3/10"	1/4	115	1140	1	5.60	5/8"	1-7/8"	Rev.	Ball	23.0	**975.00**
S89-313	5KH49PN3026	6-3/10"	1/2-1/6	115	1725	2	8.00	5/8"	1-7/8"	Rev.	Ball	31.0	**925.00**
S89-308	H286ES	6-3/10"	1/2	115	1725	1	9.30	5/8"	1-7/8"	Rev.	Ball	18.0	**675.00**

marathon Motors


A


B


C

Single-Phase, Split-Phase Motors
56 Frame, Dripproof, Single-Speed or Two-Speed

Features:
- Rated for continuous duty
- Reversible rotation
- Fig. A: resilient base, fig. B: welded base
- **S88-638**, **S88-639** and **S88-641** have a keyed shaft; all others have flatted shafts

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
Automatic Thermal Protection														
A	**S88-639**	5KH46MN3025X	6-3/10"	1/3	115	1725	2	5.30	5/8"	1-7/8"	Rev.	Ball	20.0	**719.00**
A	**S88-635**	5KH39QN9405X	6-3/10"	1/2	115	1725	1	7.20	5/8"	1-7/8"	Rev.	Ball	20.0	**605.00**
A	**S88-641**	5KH49PN3026X	6-3/10"	1/2	115	1725	2	8.10	5/8"	1-7/8"	Rev.	Ball	30.0	**929.00**
No Thermal Protection														
A	**S88-638**	5KH46MN3025	6-3/10"	1/3-1/9	115	1725	2	5.70	5/8"	1-7/8"	Rev.	Ball	21.0	**719.00**
B	**S88-135**	056S17D2046	6-3/10"	1/2	115	1725	1	9.20	5/8"	1-7/8"	Rev.	Slv	17.0	**489.00**
C	**S89-368**	5KH39QN9687	6-3/10"	3/4	115	1725	1	11.20	5/8"	1-7/8"	Rev.	Ball	21.0	**965.00**

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Single-Phase, Split-Phase Motor

56 Frame, Dripproof, Single-Speed

Applications:
- Commercial fans, blowers and evaporative coolers, having moderate starting loads or loads applied after the motor is up to speed

Features:
- No thermal protection
- Reversible rotation



Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S89-376	5KH36JNA769	6-3/10"	1/2	115	1725	1	8.10	5/8"	2-1/4"	Rev.	Ball	16.0	**419.00**

Commercial and Industrial Capacitor Start Fan and Blower Motors

48 Frame, Dripproof, Single-Phase

Features:
- Automatic reset overload protected
- Continuous duty ball bearing motors designed for belt driven fans and blowers, roof ventilators and exhaust fans
- 60 Hz, permanently lubricated, open dripproof, 40°C ambient
- Reversible rotation
- Resilient base
- Keyed 5/8" shaft except as noted
- 1-5/8" long flat on shaft



Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S88-473	048C17D2042	5-5/8"	1/4	115/208-230	1725	1	5.20	—	1/2"	1-7/8"	Rev.	Ball	14.0	**509.00**
S88-474	048C17D2044	5-5/8"	1/3	115/208-230	1725	1	5.80	64%	1/2"	1-7/8"	Rev.	Ball	17.0	**595.00**

Rigid Base Capacitor Start General Purpose Motors

48 Frame, Dripproof, Single-Phase

Applications:
- Pumps, air compressors, commercial refrigeration compressors, and other applications requiring hard or heavy-duty starting torque

Features:
- High starting torque
- Reversible rotation
- Selected "Energy Saver" designs are available by special order



Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	"A" Dim.	Bearing Type	Wt. Lbs.	Replaces	Each
No Thermal Protection														
S82-555	048B17D11005	5-1/2"	1/4	115/208-230	1725	1	5.20/2.70-2.60	1/2"	1-1/2"	9.0"	Ball	16.5	C147, S89-061	**669.00**
S82-554	C153A	5-1/2"	1/3	115/208-230	1725	1	6.00/3.20-3.00	1/2"	1-1/2"	9.12"	Ball	17.0	C153, S89-063	**725.00**

Resilient Base Capacitor Start General Purpose Motors

48 Frame, Dripproof, Single-Phase

Applications:
- Pumps, air compressors, commercial refrigeration compressors, and other applications requiring hard or heavy-duty starting torque

Features:
- Reversible rotation
- High starting torque
- NEMA service factor



Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
No Thermal Protection													
S89-048	5KC35JN7	5-5/8"	1/4	115/230	1725	1	5.20	1/2"	1-1/2"	Rev.	Ball	15.0	**499.00**
S89-051	5KC36LN26X	5-5/8"	1/3	115/208-230	1725	1	6.00	1/2"	1-1/2"	Rev.	Ball	18.2	**745.00**
S89-379	5KC36MN27X	5-5/8"	1/2	115/230	1725	1	8.20	1/2"	1-1/2"	Rev.	Ball	19.0	**889.00**

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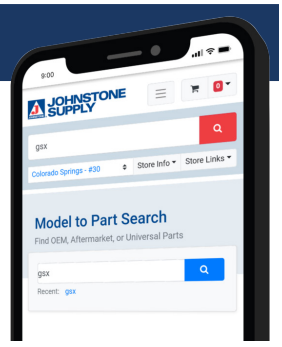

marathon Motors



A



B

Capacitor Start General Purpose Motors

48 Frame, Dripproof, Single-Phase

Applications:
- Powertools, fans, blowers coolers and other non-hazardous machinery requiring moderate starting torque

Features:
- Rigid or resilient base
- Reversible rotation
- 40°C ambient continuous duty
- 1.0 service factor, keyed shaft
- Fig. A: rigid base, fig. B: resilient base

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
Automatic Thermal Protection															
A	**S88-125**	S119	5-5/8"	1/4	115/230	1725	1	6.15	—	1/2"	1-1/2"	Rev.	Slv	13.0	**535.00**
A	**S88-127**	048C17D2029	5-5/8"	1/3	115/230	1725	1	7.00	60%	1/2"	1-1/2"	Rev.	Ball	16.0	**579.00**
A	**S87-691**	056C17D2099	5-5/8"	1/2	115/230	1725	1	9.05	60%	5/8"	1-7/8"	Rev.	Slv	20.0	**709.00**
No Thermal Protection															
B	**S88-120**	048C17D2023	5-5/8"	1/3	115/230	1725	1	7.00	60%	1/2"	1-1/2"	Rev.	Slv	15.0	**565.00**
A	**S88-126**	048C17D2028	5-5/8"	1/3	115/230	1725	1	7.00	60%	1/2"	1-1/2"	Rev.	Slv	16.0	**575.00**

marathon Motors



A



B

Capacitor Start General Purpose Motors

48 Frame, Dripproof, Single-Phase

- **S87-664** and **S87-685** have automatic thermal protection

Applications:
- Pumps, air compressors, commercial refrigeration compressors, machine tools, conveyors and other applications requiring high starting torque

Features:
- Higher starting torque than standard split-phase motors
- Lower starting current than standard split-phase motors
- Fig. A: rigid base, fig. B: resilient base
- Reversible rotation
- 40°C ambient temperature rated
- **S87-664** has thru-bolts #8-32 x 3/4"
- NEMA service factor

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Replaces	Each
A	**S87-685**	5KC35JN7X	5-5/8"	1/4	115/230	1725	1	3.60	—	1/2"	1-1/2"	Rev.	Ball	17.0	—	**609.00**
B	**S82-887**	G078A	5-5/8"	1/4	115/208-230	1725	1	2.30/4.60-4.40	88%	1/2"	1-1/2"	Rev.	Ball	18.5	S88-131, G078	**775.00**
A	**S87-664**	048C17D2055	5-2/3"	1/3	115/230	1725	1	5.80	64%	1/2"	1-7/8"	Rev.	Ball	17.0	—	**725.00**

Century®



Resilient Base Capacitor Start General Purpose Fan and Blower Motor

48 Frame, Dripproof, Single-Phase

Applications:
- Air coolers, blowers, fans and other rooftop installations

Features:
- Resilient base
- Automatic reset thermal overload protectors
- Reversible rotation
- Internally located capacitor for low profile
- NEMA Service Factor

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S88-181	BF1072	5-5/8"	3/4	115/208-230	3450	1	12.80	68%	1/2"	1-9/16"	Rev.	Dbl-Shld Ball	20.5	**975.00**



Resilient Base Capacitor Start General Purpose Motor

48 Frame, Open Dripproof, Single-Phase

Applications:
- Pumps, air compressors, commercial refrigeration compressors, machine tools, conveyors and other applications requiring hard or heavy-duty starting torque

Features:
- Electrically reversible rotation
- High starting torque

Note: No thermal protection

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S89-133	3700	5-5/8"	1/6	115	900	1	4.50	49%	1/2"	1-1/2"	Rev.	Ball	15.0	**1945.00**

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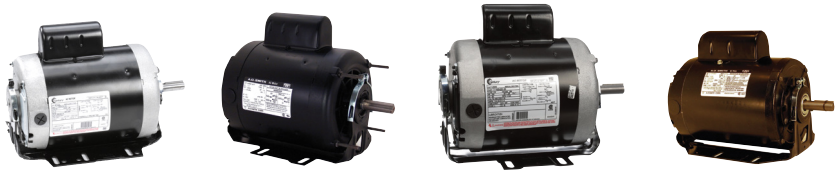
Resilient Base Capacitor Start Fan and Blower Motors

56 Frame, Open Construction, Single-Phase

- Low profile internally located capacitor or externally located capacitor

Applications:
- Air coolers, blowers, fans and other rooftop installations

Features:
- Resilient base
- Reversible rotation
- NEMA service factor
- Automatic thermal protection except for **S89-881**



A B C D

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
Internally Located Capacitor															
A	**S88-187**	B722L	6-1/2"	1-1/2	115/208-230	3450	1	16.00	67%	5/8"	1-7/8"	Rev.	Dbl-Shld Ball	36.5	**1245.00**
Externally Located Capacitor															
B	**S89-871**	C412V2	6-1/2"	1/2	115/208-230	1725	1	9.00	67%	5/8"	1-7/8"	Rev.	Dbl-Shld Ball	23.8	**889.00**
B	**S89-872**	C426V2	6-1/2"	3/4	208-230/115	1725	1	5.40	67%	5/8"	1-7/8"	Rev.	Dbl-Shld Ball	25.9	**1099.00**
C	**S89-881**	C666V1	6-1/2"	3/4	208-230/115	1725	1	5.40	67%	5/8"	1-7/8"	Rev.	Dbl-Shld Ball	25.9	**1145.00**
B	**S88-186**	RB1104AV1	6-1/2"	1	115/230	1725	1	14.00	67%	5/8"	1-7/8"	Rev.	Dbl-Sld Ball	30.6	**1245.00**
D	**S88-188**	RB1154AV1	6-1/2"	1-1/2	115/208-230	1725	1	17.00	67%	5/8"	1-7/8"	Rev.	Dbl-Shld Ball	45.2	**1445.00**
D	**S88-190**	RB1204AV1	6-1/2"	2	115/208-230	1725	1	19.60	67%	5/8"	1-7/8"	Rev.	Dbl-Sld Ball	43.1	**1799.00**

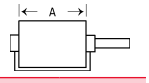
Resilient Base Capacitor Start General Purpose Motors

56 Frame, Open Dripproof, Single-Phase

Applications:
- Pumps, air compressors, commercial refrigeration compressors, machine tools, conveyors and other applications requiring hard or heavy-duty starting torque

Features:
- Electrically reversible rotation
- High starting torque
- NEMA service factors





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Replaces	Each
Automatic Thermal Protection																
S82-574	D13CPA3P9	5.6"	1/3	115/230	1140	1	4.40/2.30	67%	5/8"	2"	Rev.	8.3"	Ball	25.6	D13CA3J9, S89-138	**1499.00**
S82-572	D12CPA3PH9	6.5"	1/2	115/230	1140	1	4.80/2.40	76%	5/8"	2"	Rev.	9.3"	Ball	36.0	D12CA3J9, S89-140	**2245.00**

Capacitor Start General Purpose Motors

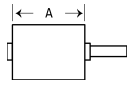
56 Frame, Dripproof, Single-Phase

- No thermal protection

Applications:
- Pumps, compressors, power tools and other applications requiring high starting torque

Features:
- Rigid base
- High starting torque, low starting current, high efficiency and high power factor
- Reversible rotation
- Rated for continuous duty and are reversible by electrical reconnection
- NEMA service factor





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Replaces	Each
S82-557	056B34D11019	6-1/2"	3/4	115/208-230	3450	1	9.60/4.40-4.80	—	5/8"	2"	—	9.12"	Ball	22.0	G915, S88-036	**635.00**
S82-558	056B34D99009	6-1/2"	1	115/208-230	3450	1	12.40/6.40-6.20	80%	5/8"	2"	Selective Counterclockwise	9.24"	Ball	23.0	C179, S88-037	**979.00**

GENERAL PURPOSE MOTORS
56 Frame Capacitor Start Dripproof

marathon Motors



Rigid Base Capacitor Start General Purpose Motors
56 Frame, Single-Phase, Dripproof

Applications:
- Pumps, air compressors, commercial refrigeration compressors, and other applications requiring hard or heavy-duty starting torque

Features:
- High starting torque
- Reversible rotation
- Selected "Energy Saver" designs are available by special order

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Replaces	Each
Automatic Thermal Protection																
S89-066	056B17D11037	6-3/10"	1/3	115/208-230	1725	1	6.00	—	5/8"	1-7/8"	Rev.	—	Ball	17.5	—	**869.00**
S82-947	056B17D11030	6-1/2"	1/2	115/230	1725	1	8.30	87%	5/8"	1-7/8"	Rev.	—	Ball	24.8	S89-068	**1045.00**
S82-948	056B17DRR70004A1	6-1/2"	3/4	115/208-230	1725	1	12.90	87%	5/8"	1-7/8"	Rev.	—	Ball	27.0	S89-070	**1199.00**
S82-894	056B17DRR70017A1	6-1/2"	1	115/230	1725	1	13.10	90%	5/8"	1-7/8"	Rev.	—	Ball	31.9	S89-072, C182	**1345.00**
S82-949	056B17DRR70022A1	6-1/2"	1-1/2	115/208-230	1725	1	18.00	87%	5/8"	1-7/8"	Rev.	—	Ball	31.0	S89-074	**1545.00**
S89-076	5KCR49WN0270T	6-3/7"	2	115/208-230	1725	1	22.00	72%	7/8"	2-1/4"	Rev.	—	Ball	44.0	—	**1545.00**
Manual Thermal Protection																
S89-298	5KC49PN0161U	6-3/10"	1	115/230	1725	1	13.60	68%	5/8"	1-7/8"	Rev.	—	Ball	29.0	—	**995.00**
No Thermal Protection																
S82-551	056B17D11019	6-1/2"	1/3	115/208-230	1725	1	6.00/3.20-3.00	—	5/8"	2"	—	9.32"	Ball	18.0	C158, S89-065	**839.00**
S82-550	056B17DRR70036A1	6-1/2"	3/4	115/208-230	1725	1	13.20/6.20-6.60	—	5/8"	2"	—	9.86"	Ball	24.5	C175, S89-069	**1099.00**
S82-553	056B34D11011	6-1/2"	2	115/230	3450	1	21.20/10.60	79%	5/8"	2"	Selective Counter-clockwise	10.66"	Ball	36.0	C187, S89-303	**1545.00**
S82-549	056B17DRR70039A1	6-1/2"	2	115/208-230	1725	1	22.00/10.90-11.00	85%	7/8"	2-1/4"	Selective Counter-clockwise	11.96"	Ball	44.0	C193, S89-075	**1799.00**

marathon Motors



Capacitor Start Commercial and Industrial Fan and Blower Motors
56 Frame, Dripproof, Single-Phase

Features:
- Automatic reset overload protected
- Continuous duty ball bearing motors designed for belt driven fans and blowers, roof ventilators and exhaust fans
- 60 Hz, permanently lubricated, open dripproof, 40°C ambient
- Reversible rotation
- Resilient base
- Keyed 5/8" shaft except as noted
- NEMA service factor

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
Automatic Thermal Protection														
S88-476	056C17D2072	6-3/10"	1/2	115/208-230	1725	1	8.00	—	5/8"	1-7/8"	Rev.	Ball	20.0	**705.00**
S88-477	056C17D2074	6-3/10"	3/4	115/208-230	1725	1	10.00	—	5/8"	1-7/8"	Rev.	Ball	23.0	**859.00**
S88-478	5KC49NN0061T	6-3/10"	1	115/208-230	1725	1	12.80	69%	5/8"	1-7/8"	Rev.	Ball	29.0	**939.00**
S88-479	5KCR49SN0150X	6-1/2"	1-1/2	115/208-230	1725	1	18.00	—	5/8"	1-7/8"	Rev.	Ball	41.0	**1099.00**
No Thermal Protection														
S88-679	056C17D2073	6-3/10"	3/4	115/208-230	1725	1	10.00	—	5/8"	1-7/8"	Rev.	Ball	24.0	**805.00**

marathon Motors



Resilient Base Capacitor Start General Purpose Motors
56 Frame, Dripproof, Single-Phase

Applications:
- Pumps, air compressors, commercial refrigeration compressors, and other applications requiring hard or heavy-duty starting torque

Features:
- Reversible rotation
- High starting torque
- NEMA service factor
- **S89-060** incorporates a run capacitor

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
Automatic Thermal Protection														
S89-381	5KC49PN6051X	6-3/10"	1/3	115/230	1140	1	8.60	—	5/8"	1-7/8"	Rev.	Ball	28.0	**1099.00**
S89-053	5KC36LN1X	6-3/10"	1/3	115/208-230	1725	1	6.00	—	5/8"	1-7/8"	Rev.	Ball	18.0	**565.00**
S89-060	5KCR49SN0012X	6-1/2"	1-1/2	115/208-230	1725	1	18.20	—	5/8"	1-7/8"	Rev.	Ball	36.0	**1145.00**
No Thermal Protection														
S89-054	5KC49GN0001	6-3/10"	1/2	115/208-230	1725	1	8.80	—	5/8"	1-7/8"	Rev.	Ball	21.0	**745.00**
S89-058	5KC49PN0155	6-3/10"	1	115/208-230	1725	1	13.60	68%	5/8"	1-7/8"	Rev.	Ball	31.0	**989.00**

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Capacitor Start General Purpose Motors

56 Frame, Dripproof, Single-Phase

Applications:
- Pumps, air compressors, commercial refrigeration compressors, machine tools, conveyors and other applications requiring high starting torque

Features:
- Higher starting torque than standard split-phase motors
- Lower starting current than standard split-phase motors
- Fig. A: rigid base, fig. B: resilient base
- Reversible rotation
- 40°C ambient temperature rated
- NEMA service factor



A



B

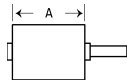

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Replaces	Each
Automatic Thermal Protection																	
A	**S87-882**	056C17D2079	6-3/10"	1/2	115/230	1725	1	7.20	68%	5/8"	1-7/8"	Rev.	6.75"	Ball	20.0	—	**849.00**
A	**S82-755**	5KC46JN0002X	6-1/2"	3/4	115/230	1725	1	10.30	73%	5/8"	1-7/8"	Rev.	6.55"	Slv	26.8	S87-677	**1199.00**
A	**S83-617**	5KC46LN0254X	—	3/4	115/230	1725	1	13.2,6.6	65.4%	0.63"	1.88"	Rev.	6.55"	Ball	25.0	S89-912	**945.00**
B	**S83-616**	5KC46LN0149X	—	3/4	115/208-230	1725	1	13.3,6.5-6.6	70%	0.63"	1.88"	Rev.	6.55"	Ball	27.0	S88-183	**1299.00**
A	**S87-884**	5KC49PN0164X	6-3/10"	1	115/230	1725	1	12.80	70%	5/8"	1-7/8"	Rev.	7.15"	Ball	30.0	—	**1045.00**
A	**S87-885**	056B34D2027	6-3/10"	1-1/2	115/208-230	3450	1	13.00	—	5/8"	1-7/8"	Rev.	7.75"	Ball	28.0	—	**1245.00**
No Thermal Protection																	
B	**S82-567**	056B17D11018	6-1/2"	1/2	115/208-230	1725	1	8.80/4.20-4.40	—	5/8"	2"	—	10.51"	Ball	21.0	C167/S87-670	**885.00**

Capacitor Start General Purpose Motors

56 Frame, Dripproof, Single-Phase

Applications:
- Powertools, fans, blowers coolers and other non-hazardous machinery requiring moderate starting torque

Features:
- Rigid or resilient base
- Reversible rotation
- 40°C ambient continuous duty
- 1.0 service factor, keyed shaft
- Fig. A: rigid base, fig. B: resilient base



A



B

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Replaces	Each
Automatic Thermal Protection																
A	**S82-957**	056B17D11029	6-3/10"	1/2	115/230	1725	1	8.95	87%	5/8"	1-7/8"	Rev.	Ball	23.0	S87-690	**829.00**
B	**S87-696**	056C17D2061	6-3/10"	3/4	115/230	1725	1	10.40	70%	5/8"	1-7/8"	Rev.	Slv	26.0	—	**809.00**
B	**S88-129**	056C17D5340	6-3/10"	1	115/230	1725	1	13.60	70%	5/8"	1-7/8"	Rev.	Ball	29.0	—	**1199.00**
No Thermal Protection																
A	**S87-688**	056C17D2098	6-3/10"	1/2	115/230	1725	1	9.05	60%	5/8"	1-7/8"	Rev.	Ball	18.0	—	**669.00**
B	**S87-689**	056C17D2097	6-3/10"	1/2	115/230	1725	1	9.05	—	5/8"	1-7/8"	Rev.	Slv	19.0	—	**709.00**
A	**S87-693**	056C17D2054	6-3/10"	3/4	115/230	1725	1	10.40	70%	5/8"	1-7/8"	Rev.	Slv	24.0	—	**785.00**
B	**S87-694**	056C17D2060	6-3/10"	3/4	115/230	1725	1	10.40	70%	5/8"	1-7/8"	Rev.	Slv	26.0	—	**795.00**
A	**S88-122**	056C17D5319	6-3/10"	1	115/230	1725	1	13.60	70%	5/8"	1-7/8"	Rev.	Ball	28.0	—	**1145.00**
B	**S88-128**	056C17D5339	6-3/10"	1	115/230	1725	1	13.60	70%	5/8"	1-7/8"	Rev.	Ball	29.0	—	**1045.00**

Rigid Base Capacitor Start General Purpose Motors

56 Frame, Totally Enclosed Fan Cooled, Single-Phase

- No thermal protection

Applications:
- Pumps, air compressors, commercial refrigeration compressors, machine tools, conveyors and other applications requiring hard or heavy-duty starting torque

Features:
- Electrically reversible rotation
- High starting torque
- Double sealed ball bearing



Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S89-142	4288	6-3/10"	1/3	115/230	1140	1	7.30	55%	5/8"	1-7/8"	Rev.	Dbl-Sld Ball	27.0	**1899.00**
S89-143	8792	6-3/10"	1/2	115/230	1140	1	10.40	55%	5/8"	1-7/8"	Rev.	Dbl-Sld Ball	37.0	**2399.00**

GENERAL PURPOSE MOTORS
56 Frame Capacitor Start TEFC

marathon Motors



Capacitor Start Rigid Base General Purpose Motors
56 Frame, Totally Enclosed Fan Cooled, Single-Phase

Applications:
- Pumps, fans, compressors, power tools, conveyors, etc.

Features:
- Continuous duty, ball bearing
- 1.15 service factor
- Reversible by electrical reconnection
- **S88-034** and **S87-908**, are capacitor start, capacitor run motors

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
Manual Thermal Protection														
S87-905	056C17F2051	6-3/10"	1/2	115/208-230	1725	1	8.00	66%	5/8"	1-7/8"	Rev.	Ball	24.0	**1045.00**
S87-906	056C17F5308	6-3/10"	3/4	115/208-230	1725	1	11.00	70%	5/8"	1-7/8"	Rev.	Ball	29.0	**1299.00**
S87-907	056C17F5311	6-3/10"	1	115/208-230	1725	1	13.40	72%	5/8"	1-7/8"	Rev.	Ball	32.0	**1345.00**
S87-908	056B17F5302	6-3/10"	1-1/2	115/208-230	1725	1	15.20	80%	5/8"	1-7/8"	Rev.	Ball	41.0	**1245.00**
No Thermal Protection														
S88-144	5KC32GN19	6-3/10"	1/4	115/230	1725	1	5.40	—	5/8"	1-7/8"	Rev.	Ball	14.0	**729.00**
S88-146	5KC35MN43	6-3/10"	1/3	115/230	1725	1	6.00	—	5/8"	1-7/8"	Rev.	Ball	17.0	**815.00**
S88-031	5KC42GN0014	6-3/10"	1/2	115/208-230	1725	1	8.60	—	5/8"	1-7/8"	Rev.	Ball	24.0	**919.00**
S88-033	5KC49TN0034	6-3/10"	1	115/230	1725	1	13.20	72%	5/8"	1-7/8"	Rev.	Ball	32.0	**1299.00**
S88-029	056C34F5310	6-3/10"	1	115/208-230	3450	1	12.40	72%	5/8"	1-7/8"	Rev.	Ball	30.0	**989.00**
S88-034	5KCR48WN0273	6-3/10"	1-1/2	115/208-230	1725	1	14.50	—	5/8"	1-7/8"	Rev.	Ball	44.0	**1499.00**

Century®

Capacitor Start General Purpose Motors
56 Frame, TEFC and TENV, Single-Phase

Applications:
- Compressors, conveyors, machine tools, pumps, air conditioners, air circulating fans, evaporative coolers and home workshops

Features:
- 40°C ambient
- Reversible rotation



A



B



C

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
No Thermal Protection															
A	**S89-511**	B621	6-1/2"	1/2	115/208-230	3600	1	7.40	67%	5/8"	1-7/8"	Rev.	Ball	25.0	**799.00**
B	**S89-520**	K100V2	143T	1	115/208-230	1800	1	15.00	67%	7/8"	2-1/8"	Rev.	Ball	37.0	**1299.00**
C	**S89-514**	B762	6-1/2"	1-1/2	208-230/115	3600	1	16.00	67%	5/8"	1-7/8"	Rev.	Ball	35.0	**1399.00**

Rigid Base Capacitor Start General Purpose Motors
56 Frame, Totally Enclosed Fan Cooled, Single-Phase



Applications:
- Pumps, fans, compressors, power tools, conveyors, etc.

Features:
- Reversible rotation
- Ball bearing
- Automatic thermal protection

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S89-623	T12CA2J	6-3/10"	1/2	115/208-230	1800	1	9.00	63%	5/8"	1-7/8"	Rev.	Ball	26.0	**1399.00**
S89-625	T1CA2JH	6-3/10"	1	115/230	1725	1	14.00	74%	5/8"	1-7/8"	Rev.	Ball	32.0	**1845.00**

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Rigid Base Capacitor Start General Purpose Motors

56-182T Frame, Dripproof, Single-Phase

Applications:
- Compressors, pumps, conveyors, blowers and fans

Features:
- Ball bearing
- Starting and pull up torque is more than twice that of split-phase motors with one third starting current
- Reversible rotation



Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Replaces	Each
Automatic Thermal Protection															
S82-929	C658ES	6-1/2"	3/4	208-230/115	1800	1	5.10-5.20/10.40	80%	5/8"	1-7/8"	Rev.	Ball	30.5	S89-550	**1299.00**
S82-930	C682ES	6-1/2"	1	208-230/115	1800	1	6.00-6.20/12.40	80%	5/8"	1-7/8"	Rev.	Ball	31.2	S89-551	**1345.00**
No Thermal Protection															
S89-556	V101V1	145T	1-1/2	115/208-230	1800	1	15.00	85%	7/8"	2-1/4"	Rev.	Ball	41.0	—	**1545.00**
S89-916	V102	145T	2	208-230/115	1745	1	10.00	67%	7/8"	2-1/4"	Rev.	Ball	42.8	—	**1799.00**

Rigid Base Capacitor Start T-Frame Motors

143-213T Frame, Dripproof, Single-Phase

Applications:
- Pumps, fans, blowers, compressors and conveyors

Features:
- No thermal protection
- High starting torque, integral HP motors designed for continuous duty, 40°C ambient conditions
- Meet or exceed the NEMA design B definition, are Class B insulated
- Suitable for use in environments where dust, dirt and moisture are minimal
- Motors are reversible by electrical reconnection

Note: S91-224 and **S91-225** are capacitor start, capacitor run



Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S91-215	145B17DRR40002A1	6-1/2"	1-1/2	115/208-230	1725	1	18.20	—	7/8"	2-1/4"	Rev.	Ball	41.0	**1199.00**
S91-224	I115	9-1/2"	7-1/2	208-230	1735	1	37.50	84%	1-3/8"	3-3/8"	Rev.	Ball	101.0	**2699.00**
S91-225	I116	215T	10	208-230	1730	1	49.00	83%	1-3/8"	3-3/8"	Rev.	Ball	140.0	**3145.00**
S91-218	I103A	182T	3	115/208-230	3460	1	32.00	74%	1-1/8"	2-3/4"	Rev.	Ball	70.0	**1345.00**
S91-223	I105	213T	7-1/2	208-230	3499	1	40.00	79%	1-3/8"	3-3/8"	Rev.	Ball	102.0	**2699.00**

Rigid Base Capacitor Start T-Frame Motors

143-215T Frame, Totally Enclosed Fan Cooled, Single-Phase

Applications:
- Fans, pumps, blowers, compressors, conveyors and machine tools

Features:
- Standard torque
- 40°C rise, continuous duty, 1.15 Service Factor
- Reversible rotation
- Ball bearings, capacitor furnished
- Keyed shaft, no overload protection

Note: S91-233 is capacitor start, capacitor run.



Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S91-226	5KC49TN0033	6-3/10"	1	115/230	1725	1	13.20	72%	7/8"	2-1/4"	Rev.	Ball	32.0	**1299.00**
S91-227	5KCR48WN0292	6-1/2"	1-1/2	115/208-230	1725	1	14.50	—	7/8"	2-1/4"	Rev.	Ball	44.0	**1499.00**
S91-228	I212	7/1/2"	2	115/208-230	1745	1	20.00	80%	1-1/8"	2-3/4"	Rev.	Ball	53.0	**2045.00**
S91-927	I213A	184T	3	115/208-230	1800	1	28.00	80%	1-1/8"	2-3/4"	CCWOSE	Ball	72.0	**2345.00**
S91-233	I217	9-1/2"	10	230	1745	1	41.50	86%	1-3/8"	3-3/8"	Rev.	Ball	144.0	**4045.00**

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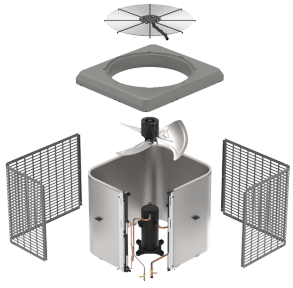

GENERAL PURPOSE MOTORS
T-Frame Capacitor Start



General Purpose Capacitor Start Motors
56-184T Frame, Open Dripproof, Single-Phase

Applications:
- Designed for air compressors, pumps, conveyors, blowers and general industrial equipment

Features:
- Double shield ball bearings
- All motors are rigid base except **S82-575** is resilient base
- Class B insulation, continuous duty, 40°C ambient
- F1 assembly
- Reversible rotation
- No thermal protection except **S82-571** and **S82-575**

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Replaces	Each
S82-571	D34CPA2PH	6.5"	3/4	115/230	1725	1	7.00/3.50	82%	5/8"	2"	Rev.	8.9"	Ball	29.0	D34CA2J, S81-121	**1999.00**
S82-591	D1CP2PH9	6.5"	1	115/230	1725	1	8.80/4.40	83%	5/8"	2"	Rev.	9.3"	Ball	32.0	D1C2JH9, S81-826	**1745.00**
S82-575	D1CPA2PH9	6.5"	1	115/230	1725	1	8.80/4.40	83%	5/8"	2"	Rev.	9.3"	Ball	31.0	D1CA2JH9, S81-111	**1999.00**
S81-107	D32C2J14	145T	1-1/2	115/208-230	1800	1	19.20	77%	7/8"	2-1/4"	Rev.	—	Ball	39.0	—	**1599.00**
S81-114	D2C2P18	182T	2	115/230	1800	1	23.20	75%	1-1/8"	2-3/4"	Rev.	—	Ball	70.0	—	**1799.00**
S81-125	D3C2P18	184T	3	115/230	1800	1	38.00	75%	1-1/8"	2-3/4"	Rev.	—	Ball	76.0	—	**1499.00**



A



B

C-Face Commercial Farm Duty Pump Motors
56C Frame, Totally Enclosed Fan Cooled, Single-Phase

Applications:
- Commercial and industrial pumps, centrifugal and hydraulic pumps, machine tools and other equipment requiring NEMA C-face mounting configurations in dusty or dirty areas

Features:
- NEMA C-face mounting
- NEMA service factor
- Reversible rotation
- No thermal protection
- Fig. A: no base
- Fig. B: welded base
- Capacitor start

Fig.	Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
A	**S89-359**	5KC32GN25	6-3/10"	1/4	115/230	1725	1	5.40	5/8"	2"	Rev.	Ball	14.0	**769.00**
A	**S89-357**	5KC35MN73	6-3/10"	1/3	115/230	1725	1	6.00	5/8"	2"	Rev.	Ball	17.0	**885.00**
B	**S89-365**	5KC35MN145	6-3/10"	1/3	115/230	1725	1	6.00	5/8"	2"	Rev.	Ball	17.0	**895.00**
A	**S89-358**	5KC42GN0018	6-3/10"	1/2	115/230	1725	1	8.60	5/8"	2"	Rev.	Ball	21.0	**1045.00**
A	**S89-362**	5KC46PN0032	6-3/10"	3/4	115/230	1725	1	11.00	5/8"	2"	Rev.	Ball	31.0	**1245.00**



Quad-Plus™ Capacitor Start C-Face General Purpose Motors
56 Frame, Totally Enclosed Fan Cooled, Single-Phase

Applications:
- Commercial pumps, conveyors, speed reducers and other equipment that mounts directly on NEMA C-face applications

Features:
- Removable base
- Double sealed ball bearing
- 1.15 service factor
- Class B insulation (**S89-528** has class F insulation)
- No overload protection
- Reversible rotation
- Horizontal, vertical shaft up or shaft down mounting
- Standard NEMA C-face shaft: 5/8" x 1.88" with keyway

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
Capacitor Start														
S89-523	C824	6-1/2"	1/3	115/208-230	1800	1	6.40	67%	5/8"	1-7/8"	Rev.	Dbl-Sld Ball	28.8	**979.00**
S89-524	C826V1	6-1/2"	1/2	115/208-230	1800	1	7.20	67%	5/8"	1-7/8"	Rev.	Dbl-Sld Ball	19.0	**1199.00**
S89-525	C828V1	6-1/2"	3/4	115/208-230	1800	1	10.40	67%	5/8"	1-7/8"	Rev.	Dbl-Sld Ball	32.0	**1399.00**
S89-526	C830V1	6-1/2"	1	115/208-230	1800	1	15.00	67%	5/8"	1-7/8"	Rev.	Dbl-Sld Ball	25.0	**1499.00**
Capacitor Start, Capacitor Run														
S89-528	C832	6-1/2"	2	115/208-230	1800	1	17.80	85%	5/8"	1-7/8"	Rev.	Dbl-Sld Ball	32.0	**2145.00**

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Split-Phase C-Face Motors

56 CZ Frame, Dripproof, Single-Phase

Applications:
- Commercial fans, blowers and exhaust fans having moderate starting loads

Features:
- Ball bearing
- Electrically reversible rotation
- NEMA service factor
- No thermal protection
- Base not included



Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S89-351	H208	6-3/10"	1/6	115	1725	1	4.20	5/8"	2-1/4"	Rev.	Ball	12.0	**465.00**
S89-349	H212	6-3/10"	1/4	115	1725	1	5.60	5/8"	2-1/4"	Rev.	Ball	14.0	**479.00**
S89-355	5KH37PN40	6-3/10"	1/4-1/12	115	1725	2	4.20	5/8"	2-1/4"	Rev.	Ball	20.0	**885.00**
S89-353	H214	6-3/10"	1/4	115	1140	1	5.60	5/8"	2-1/4"	Rev.	Ball	27.0	**779.00**
S89-352	5KH46MN3040	6-3/10"	1/3-1/9	115	1725	2	5.70	5/8"	2-1/4"	Rev.	Ball	27.0	**1099.00**

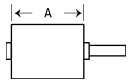
Split-Phase C-Face Motor

56CZ Frame, Dripproof, Single-Phase

Applications:
- Designed for applications having moderate starting loads, like commercial fans and blowers, and exhaust fans requiring NEMA C-face mounting configuration

Features:
- Electrically reversible rotation
- Ball bearing
- End mounted
- Automatic thermal protection





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Each
S89-121	1208	6-3/10"	1/3	115	850	1	9.00	55%	5/8"	2-1/4"	Rev.	10-1/4"	Ball	40.0	**2299.00**

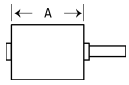
Split-Phase C-Face Ball Bearing Motors

56 Frame, Dripproof, Single-Phase

Applications:
- For commercial and industrial fan and blower exhaust ventilators

Features:
- No overload protector, dripproof, keyed shaft
- Used for Greenheck and other ventilators using C-face mounting
- Electrically reversible





Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	Rot.	"A" Dim.	Bearing Type	Wt. Lbs.	Replaces	Each
S88-670	5KH37PN36	6-3/10"	1/6	115	1140	1	4.00	5/8"	1-7/8"	Rev.	6.62"	Ball	19.0	—	**735.00**
S88-673	5KH35JN121	6-3/10"	1/3	115	1725	1	6.60	5/8"	2-1/4"	Rev.	5.79"	Ball	15.0	—	**549.00**
S82-556	056B17D11014	6-1/2"	1/3	115/208-230	1725	1	6.40/3.00-3.20	5/8"	2"	Rev.	8.94"	Ball	18.3	G230, S88-676	**915.00**

Capacitor Start C-Face Four-in-One Motors

56 Frame, Totally Enclosed Fan Cooled, Single-Phase

Applications:
- Broad and varied, including pumps, compressors, fans, blowers, food machinery, material handling, agricultural applications, power tools, gear motors and other power transmission applications
- Ideally suited for replacement where one motor will replace a dripproof, TEFC, C-face or a standard horizontal motor

Features:
- Removable base for round motor applications
- Reversible rotation
- Full gaskets for tough environments
- 1.15 Service Factor except for **S88-487** which has 1.00
- No overload protector



Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
Capacitor Start														
S88-642	056C11F5302	6-3/10"	1/4	115/208-230	1140	1	6.80	48%	5/8"	2"	Rev.	Ball	25.0	**1199.00**
S88-482	056C17F5320	6-3/10"	1/3	115/208-230	1725	1	6.60	55%	5/8"	1-7/8"	Rev.	Ball	28.0	**919.00**
S88-643	056C11F5303	6-3/10"	1/3	115/208-230	1140	1	7.80	53%	5/8"	2"	Rev.	Ball	29.0	**1345.00**
S88-483	056C17F5321	6-3/10"	1/2	115/208-230	1725	1	8.80	66%	5/8"	1-7/8"	Rev.	Ball	26.0	**1099.00**
S88-484	056C17F5322	6-3/10"	3/4	115/208-230	1725	1	11.00	70%	5/8"	1-7/8"	Rev.	Ball	30.0	**1299.00**
S88-645	056B11F5302	6-3/10"	3/4	115/208-230	1140	1	11.40	68%	5/8"	2"	Rev.	Ball	39.0	**1945.00**
S88-485	056C17F5323	6-3/10"	1	115/208-230	1725	1	13.40	72%	5/8"	1-7/8"	Rev.	Ball	31.0	**1145.00**
Capacitor Start/Capacitor Run														
S88-644	056B11F5303	6-3/10"	1/2	115/208-230	1140	1	9.60	—	5/8"	2"	Rev.	Ball	35.0	**1545.00**
S88-486	056B17F5305	6-3/10"	1-1/2	115/208-230	1725	1	15.20	80%	5/8"	1-7/8"	Rev.	Ball	42.0	**1245.00**
S88-487	056B17F5306	6-3/10"	2	115/208-230	1725	1	20.00	80%	5/8"	1-7/8"	Rev.	Ball	51.0	**1545.00**

GENERAL PURPOSE MOTORS
56 Frame C-Face

marathon Motors



C-Face Four-in-One Motors
56-184T Frame, Totally Enclosed, Three-Phase

Applications:
- Broad and varied, including pumps, compressors, fans, blowers, food machinery, material handling, agricultural applications, power tools, gear motors and other power transmission applications

Features:
- Removable base for round motor applications (except for **S82-795**)
- Rated 60/50 Hz with 190/380V on 50 Hz at the next lower horsepower
- Reversible rotation
- Full gaskets for tough environments, 1.15 service factor
- No thermal protection

Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	Wt. Lbs.	Each
S82-794	C381B	3	182TC	208-230/460	3600	8.2-7.4/3.7	86.50%	Horizontal	1-1/8"	2-5/8"	77.0	**1599.00**
S82-795	C385B	5	184TC	230/460	3600	13.1-12.0/6.0	88.50%	Horizontal or Vertical	1-1/8"	2-5/8"	96.0	**2199.00**

marathon Motors



Hazardous Location Motors
56 Frame, Totally Enclosed Fan Cooled, Single-Phase

Applications:
- For use in hazardous locations
- Class I group D, class II group F and G models
- Pumps and fans used in hazardous location atmospheres

Features:
- Ball bearing, rigid base, 1.0 Service Factor, 60 Hz
- Code requires installation with rigid conduit and an explosion-proof condulet
- Continuous duty, keyed shaft, rotation easily reversed
- Single-phase motors are capacitor start, induction run
- All motors have automatic reset thermal protectors
- Do NOT use on applications where automatic restart could create a hazard

Order #	Mfg. #	Diam.	HP	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Each
S87-938	056C17E5314	6-3/10"	1/4	115/208-230	1725	1	4.80	60%	5/8"	1-7/8"	Rev.	Ball	25.0	**1399.00**
S87-939	056C17G5315	6-3/10"	1/3	115/208-230	1725	1	6.60	—	5/8"	1-7/8"	Rev.	Ball	27.0	**1599.00**
S87-941	056C17G5317	6-3/10"	3/4	115/208-230	1725	1	11.00	70%	5/8"	1-7/8"	Rev.	Ball	33.0	**1945.00**

marathon Motors



Three-Phase Motor
48 Frame, Dripproof

Applications:
- Pumps, fans, blowers, machinery and other industrial equipment with moderate to high starting torques in dry, clean and well ventilated areas

Features:
- Ball bearing
- Welded base
- No thermal protection
- NEMA service factor

Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Std. Mount. Pos.	Shaft Diam.	Shaft Length	"A" Dim.	Replaces	Wt. Lbs.	Each
S82-546	048T17D11009	1/4	48	208-230/460	1725	1.2-1.3/.65	Horizontal or Vertical	1/2"	1-1/2"	8-19/50"	G044, S89-317	15.5	**715.00**

marathon Motors



Flex-In-1 Motors
56 Frame, Open Dripproof, Three-Phase

- General purpose use on gear reducers, pumps, machine tools, and other direct-coupled equipment installed in damp, dusty, or dirty environments
- 180˚ rotatable conduit box- 7/8" & 1-1/8" knockouts on all sides
- Repositionable base
- Removable base
- C-Face mounting
- Mounting holes in frame and C-Face (at 90˚ increments) allows F-1/F-2/F-3 conduit box locations

Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Wt. Lbs.	Each
S83-667	FX13BK003	1/3	56HC	208-230/460	1725	1.2-1.2/0.61	80	Horizontal	5/8"	25.0	**919.00**
S83-668	FX12BK003	1/2	56C	208-230/460	1725	1.8/0.90	78	Horizontal	5/8"	27.0	**999.00**
S83-669	FX34BK003	3/4	56HC	208-230/460	1725	2.6/1.3	81	Horizontal	5/8"	30.0	**1145.00**
S83-693	056T34D15645	3/4	56HC	208-230/460	3450	2.5-2.6/1.3	82	Horizontal	5/8"	23.0	**955.00**
S83-670	FX01BK003	1	56HC	208-230/460	1725	3.1-3.2/1.6	83	Horizontal	5/8"	36.0	**1145.00**
S83-680	056T34D15646	1	56HC	208-230/460	3450	3.0-2.8/1.4	78	Horizontal	5/8"	23.0	**1045.00**
S83-671	FX32BK003	1-1/2	56HC	230/460	1725	4.4/2.2	86	Horizontal	5/8"	44.0	**1245.00**
S83-672	FX02BK003	2	56HC	208-230/460	1725	6.2-6.0/3.0	86	Horizontal	5/8"	46.0	**1345.00**
S83-673	056T17D15852	3	56HC	208-230/460	1725	—	—	Horizontal	5/8"	49.0	**1545.00**

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Flex-In-1 Motors

56 Frame, Totally Enclosed Fan Cooled, Three-Phase

- General purpose use on gear reducers, pumps, machine tools, and other direct-coupled equipment installed in damp, dusty, or dirty environments
- 180˚ rotatable conduit box- 7/8" & 1-1/8" knockouts on all sides
- Repositionable base
- Removable base
- C-Face mounting
- Mounting holes in frame and C-Face (at 90˚ increments) allows F-1/F-2/F-3 conduit box locations



Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Wt. Lbs.	Each
S83-681	FX13BK006	1/3	56C	208-230/460	1140	1.9-2.2/1.1	62	Horizontal Or Up Or Down	5/8"	20.0	**1099.00**
S83-674	FX13BK004	1/3	56C	208-230/460	1725	1.8-1.6/0.80	68	Horizontal Or Up Or Down	5/8"	20.0	**915.00**
S83-687	056T34F15665	1/3	56C	208-230/460	3450	1.8-1.8/0.90	59	Horizontal Or Up Or Down	5/8"	21.0	**949.00**
S83-682	FX12BK006	1/2	56C	208-230/460	1140	2.0-2.1/1.1	72	Horizontal Or Up Or Down	5/8"	25.0	**1245.00**
S83-675	FX12BK004	1/2	56C	208-230/460	1725	2.3-2.4/1.2	72	Horizontal Or Up Or Down	5/8"	24.0	**945.00**
S83-688	056T34F15667	1/2	56C	208-230/460	3450	2.0-2.2/1.1	66	Horizontal Or Up Or Down	5/8"	21.0	**1099.00**
S83-683	FX34BK006	3/4	56HC	208-230/460	1140	3.1-3.3/1.6	75	Horizontal Or Up Or Down	5/8"	32.0	**1345.00**
S83-676	FX34BK004	3/4	56C	208-230/460	1725	2.9-3.0/1.5	75	Horizontal Or Up Or Down	5/8"	24.0	**1045.00**
S83-689	056T34F15669	3/4	56C	208-230/460	3450	3.0-3.2/1.6	74	Horizontal Or Up Or Down	5/8"	23.0	**959.00**
S83-684	FX01BK006	1	56HC	208-230/460	1140	3.8-3.8/1.9	82	Horizontal Or Up Or Down	5/8"	48.0	**1599.00**
S83-677	FX01BK004	1	56HC	208-230/460	1725	3.1-3.1/1.6	85	Horizontal Or Up Or Down	5/8"	42.0	**1445.00**
S83-690	056T34F15680	1	56C	208-230/460	3450	3.0-3.0/1.5	80	Horizontal Or Up Or Down	5/8"	26.0	**1099.00**
S83-678	FX32BK004	1-1/2	56HC	208-230/460	1725	4.7-4.6/2.3	86	Horizontal Or Up Or Down	5/8"	45.0	**1499.00**
S83-691	FX32BK002	1-1/2	56HC	230/460	3450	4.0/2.0	84	Horizontal Or Up Or Down	5/8"	37.0	**1199.00**
S83-679	FX02BK004	2	56HC	208-230/460	1725	6.2-6.0/3.0	86	Horizontal Or Up Or Down	5/8"	48.0	**1645.00**
S83-692	056T34F15673	2	56HC	208-230/460	3450	5.6-5.0/2.5	85	Horizontal Or Up Or Down	5/8"	46.0	**1599.00**

Three-Phase Hazardous Location Motors

56 Frame, Totally Enclosed Fan Cooled

Applications:
- For use in hazardous locations
- Class I group D, class II group F and G
- Pumps and fans used in hazardous location atmospheres

Features:
- Ball bearing, rigid base, 1.0 Service Factor, 60 Hz
- Code requires installation with rigid conduit and an explosion-proof condulet
- Continuous duty, keyed shaft, rotation easily reversed
- All motors have automatic reset thermal protectors
- Do NOT use on applications where automatic restart could create a hazard



Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	Wt. Lbs.	Each
S87-944	056T17G5312	1/2	56	208-230/460	1725	2.4	68.00%	Horizontal	5/8"	1-7/8"	30.0	**1899.00**
S87-945	056T17G5313	3/4	56-68	208-230/460	1725	3.0	—	Horizontal	5/8"	1-7/8"	30.0	**1999.00**

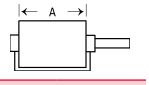
Three-Phase Belted Fan and Blower Motors

56 Frame, Open Dripproof

Applications:
- Designed for use on belted fans and blowers

Features:
- Resilient base
- 40°C ambient
- Class B insulation
- Suitable for all-angle operation (within blower housing)
- Reversible rotation
- Automatic thermal protection





Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length "A" Dim.		Replaces	Wt. Lbs.	Each
Resilient Mount														
S81-104	8498	1	56	208-230/460	1725	4.3	84.10%	Horizontal	5/8"	1-7/8"	—	—	26.0	**1645.00**
S82-587	8493P	2	56H	208-230/460	1725	6.1-6.3/3.1	86.50%	Horizontal	5/8"	1-7/8"	9-4/5"	8493, S81-103	26.0	**2599.00**
Rigid Base														
S82-577	7913VP	1-1/2	56HZ	200-230/460	1725	4.8/2.4	86.50%	Horizontal	7/8"	2-1/4"	9-3/5"	7913, S80-194	36.0	**1945.00**
S82-578	7914P	2	56HZ	200-230/460	1725	7.6-7.8/3.9	86.50%	Horizontal	7/8"	2-1/4"	9"	7914, S80-195	37.0	**1799.00**

GENERAL PURPOSE MOTORS
56 Frame Three-Phase

marathon Motors



Three-Phase General Purpose Motors
56 Frame, Dripproof

Features:
- Resilient base
- Ball bearing
- Rolled steel frames, resilient mounting furnished
- NEMA 56 frame
- 60 Hz
- 40°C ambient
- High service factors
- Continuous duty
- Reversible rotation
- Automatic reset thermal protection
- Not recommended where automatic restarting creates a hazard

Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	Replaces	Wt. Lbs.	Each
S83-613	5K46KN4085	3/4	56	208-230/460	1725	3.3-3.0,1.5	74.0%	Vertical/Horizontal	0.63"	1.88"	S89-544	24.0	**799.00**
S83-610	5K46MN4087	1	56	208-230/460	1725	3.6-3.8,1.9	77.4%	Vertical/Horizontal	0.63"	1.88"	S89-545	27.0	**895.00**
S87-888	K1413	1-1/2	56H	208-230/460	3600	5.0	72.0%	F-1	5/8"	1-7/8"	—	25.0	**965.00**
S83-614	5K49PN4088X	1-1/2	56H	200-230/460	1725	5.1-5.2,2.6	79.6%	Vertical/Horizontal	0.63"	1.88"	S88-198	31.0	**1145.00**
S87-889	5K49NN2147X	2	56H	208-230/460	3600	6.2	80.0%	F-1	5/8"	1-7/8"	—	26.0	**1099.00**



Three-Phase Rigid Base Motors
56 Frame, Totally Enclosed Fan Cooled

Applications:
- Three-phase fans, blowers, pumps, etc. that require internal cooling

Features:
- Ball bearing, reversible rotation
- Continuous duty
- 40°C ambient
- No thermal protection

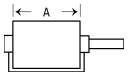
Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	Replaces	Wt. Lbs.	Each
S89-611	T12S2A	1/2	56	208-230/460	1800	1.8	79.20%	F-1/W-8	5/8"	1-7/8"	—	21.0	**555.00**
S89-612	T34S2A	3/4	56	208-230/460	1800	3	81.70%	F-1/W-8	5/8"	1-7/8"	—	23.0	**609.00**
S82-846	T1P2AH	1	56H	208-230/460	1725	3.3-3.2/1.5	87.11%	Horizontal	5/8"	1-7/8"	S89-613, T1S2AH	35.5	**809.00**
S82-113	T32P2AH	1-1/2	56H	208-230/460	1725	4.5/2.2	86.50%	Horizontal	5/8"	1-7/8"	S89-614, T32S2AH	38.0	**859.00**



Three-Phase General Purpose, Energy Efficient Motors
56 Frame, Open Dripproof

Applications:
- Designed for pumps, fans, compressors, and other general purpose applications where contaminants are minimal

Features:
- Resilient base
- Double shielded ball bearings
- Rolled steel frame, aluminum end shields
- Reversible rotation
- 40°C ambient
- No thermal protection except for **S82-543**



Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	"A" Dim.	Replaces	Wt. Lbs.	Each
S82-537	D12P2AH9	1/2	56H	208-230/460	1725	1.98-1.9/.98	78.20%	Horizontal	5/8"	1-7/8"	9-4/5"	D12S2A9, S81-109	25.0	**1145.00**
S82-569	D34P2AH9	3/4	56H	208-230/460	1725	2.8-2.7-1.4	82.50%	Horizontal	5/8"	1-7/8"	9-3/10"	D34S2A9, S81-124	23.0	**1199.00**
S82-568	D32PA1AH9	1-1/2	56H	208-230/460	3450	4.7-4.4/2.2	84.00%	Horizontal	5/8"	1-7/8"	9-3/10"	D32SA1AH9, S81-102	32.0	**1799.00**
S82-543	D32P2AH9	1-1/2	56H	208-230/460	1725	5.0-4.8/2.4	86.50%	Horizontal	5/8"	1-7/8"	10-3/10"	D32S2AH9, S81-120	33.0	**1545.00**

Century®



Three-Phase General Purpose Motors
56 Frame, Open Dripproof

Applications:
- Ventilation and blower units for heating and air conditioning

Features:
- Rigid base
- Ball bearing, continuous duty
- 40°C ambient

Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	Wt. Lbs.	Each
Automatic Thermal Protection												
S89-561	H757	3	56HZ	460/200-230	3600	9.0	78.00%	F-1	7/8"	2-1/4"	35.0	**1999.00**
S89-570	H887L	3	56HZ	460/200-230	1800	9.0	84.30%	F-1	7/8"	2-1/4"	42.8	**1245.00**
S89-562	H847	5	56HZ	460/208-230	3600	13.4	78.00%	F-1	7/8"	2-1/4"	44.0	**2045.00**

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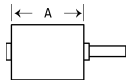
Three-Phase General Purpose Motors

56 Frame, Open Dripproof

Applications:
- Fans, blowers, ventilators and pumps requiring three-phase power

Features:
- Rigid base
- Ball bearing, continuous duty
- 40°C ambient
- Reversible rotation
- No thermal protection





Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	"A" Dim.	Replaces	Wt. Lbs.	Each
S82-849	D13P2AH	1/3	56H	208-230/460	1725	1.4/0.7	75.00%	Horizontal	7/8"	1-47/50"	—	D13S2A	26.0	**619.00**
S82-579	D12P2AH	1/2	56H	208-230/460	1725	1.98-1.9/.98	78.20%	Horizontal	5/8"	1-7/8"	8-2/5"	D12S2A, S89-605	24.0	**625.00**
S82-583	D34P1B	3/4	48	230/460	3450	2.4/1.2	76.80%	Horizontal	1/2"	1-1/2"	7-1/2"	D34S1B, S81-122	19.0	**685.00**
S82-584	D34P2AH	3/4	56	208-230/460	1725/1425	2.8-3.2/1.6	81.10%	Horizontal	5/8"	1-7/8"	7"	D34S2A, S81-123	25.0	**775.00**
S82-588	D1P1A	1	56	208-230/460	3450	2.8-2.8/1.4	77.00%	Horizontal	5/8"	1-7/8"	7-2/5"	D1S1A, S81-113	24.7	**795.00**
S82-580	D1P2AH	1	56H	208-230/460	1725	3.2-3.0/1.5	83.50%	Horizontal	5/8"	1-7/8"	9-2/5"	D1S2AH, S89-608	31.6	**899.00**
S82-586	D1P2DHZ	1	56HZ	208-230/460	1725/1425	3.3-3.3/1.6	83.50%	Horizontal	7/8"	2-1/4"	10-1/2"	D1E2DHZ, S81-112	26.0	**969.00**
S82-581	D2P1AH	2	56H	208-230/460	3450	6.0-5.4/2.7	85.50%	Horizontal	5/8"	1-7/8"	8-9/10"	D2S1AH, S81-116	32.0	**935.00**
S82-582	D2P2AH	2	56H	208-230/460	1725	6.6-3.3	86.50%	Horizontal	5/8"	1-7/8"	9-9/10"	D2S2AH, S81-117	39.6	**909.00**
S82-589	D3P2AHZ	3	56HZ	208-230/460	1725	9.7-9.4/4.6	86.90%	Horizontal	7/8"	2-1/4"	10-3/10"	D3E2DHZ, S81-127	21.2	**1245.00**

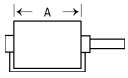
Three-Phase General Purpose Motors

56 Frame, Dripproof

Applications:
- Used on pumps, conveyors, air compressors, machinery, blowers, fans and other heavy-duty applications

Features:
- Double shielded pre-lubricated ball bearings, NEMA service factors
- Rotor dynamically balanced, 60 Hz, 40°C ambient
- Rotation easily reversed by interchanging any two leads





Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	Replaces	Wt. Lbs.	Each
Automatic Thermal Protection													
S83-615	056T17DRR70023A1	3/4	56	208-230/460	1725	2.6-2.6/1.3	81.1%	—	5/8"	1.88"	S82-893	29.0	**1299.00**
S83-611	056T17D2101	1	56	208-230/460	1725	3.4-3.4/1.7	76.5%	Vertical/Horizontal	5/8"	1.97"	S88-196	24.0	**995.00**
S83-612	056T17D5329	1-1/2	56	208-230/460	1725	4.8-4.8/2.4	80.0%	Vertical/Horizontal	5/8"	1.91"	S89-546	29.0	**825.00**

Three-Phase Resilient Base General Purpose Motors

56 Frame, Dripproof

Applications:
- Commercial and industrial air moving devices and other rooftop installations

Features:
- Permanently lubricated, double shielded ball bearings
- Automatic reset thermal protectors
- 3-1/2" shaft height
- Keyed shaft



Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	Wt. Lbs.	Each
S88-193	H841V1	3/4	56	460/200-230	3450	2.8	71.30%	F-1	5/8"	1-7/8"	24.0	**989.00**
S88-195	BK3102	1	56H	230/460	3450	3.1	78.00%	F-1	5/8"	1-7/8"	21.6	**1299.00**
S89-559	H853V2	1-1/2	56H	460/200-230	1800	5.6	79.00%	F-1	5/8"	1-7/8"	29.0	**1145.00**
S88-200	RB3204AV1	2	56HZ	208-230/460	1725	6.2	78.00%	F-1	7/8"	2-1/4"	38.1	**1599.00**
S88-201	H845	3	56HZ	460/200-230	3450	9.0	78.00%	F-1	7/8"	2-1/4"	38.3	**1599.00**
S88-202	H855	3	56HZ	460/200-230	1725	9.0	84.30%	F-1	7/8"	2-1/4"	43.0	**1399.00**
S88-203	H1039L	5	56HZ	208-230/460	3450	13.4	78.00%	F-1	7/8"	2-1/4"	49.6	**1645.00**

marathon Motors

143T-254T Frame Premium Blue Chip® Severe Duty XRI® Three-Phase Motors

High Efficiency, Totally Enclosed Non-Ventilated



Applications:
- For use in chemical plants, paper mills, refineries, mines, food processing, foundries, and other severe duty environments where long life and ultra-high efficiency are desired

Features:
- Premium Blue Chip® XRI motors built tough and designed for efficiency
- Rigid base
- 1.15 service factor, class F insulation system, 40°C ambient, continuous duty, ball bearing
- Cast iron construction, 60 Hz, built to NEMA standards and dimensions, no overload protection
- Guaranteed efficiencies for extra return on your high efficiency investment
- Available in 1200 and 3600 RPM and 575V in 1800 RPM ratings by special order
- VFD compatible

Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	Replaces	Wt. Lbs.	Each
S91-273	E461	1	143T	230/460	1800	3.1/1.5	85.50%	Horizontal	7/8"	2-1/4"	—	56.0	**1299.00**
S92-113	E464A	1-1/2	145T	230/460	1800	4.2/2.1	86.50%	Horizontal	7/8"	2-1/4"	S91-274	76.5	**1445.00**
S92-114	145TTTN16628	2	145T	230/460	1800	6.0/3.0	86.50%	Horizontal	7/8"	2-1/4"	S91-275	83.0	**1545.00**

marathon Motors

143T-326T Frame Three-Phase Motors with Shaft Grounding Ring Internally Installed

NEMA Premium Efficiency Motors, Open Dripproof



- Shaft grounding bearing current protection is factory installed inside the motor housing and can be used with any VFD
- No modifications or additional parts needed; simply ready to install and use with variable frequency drives
- Three phase
- Open dripproof
- NEMA premium efficiency
- Ball bearing
- 1800RPM
- Rigid base
- No thermal protection
- Meets or exceeds NEMA Premium efficiencies
- Class F insulation
- Nameplated 60/50 hertz
- UL recognized, CSA certified and CE marked
- Three year warranty

Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	For Use With	Replaces	Wt. Lbs.	Each
S82-451	143TTDR16052	1	143T	208-230/460	1800	3.2-3/1.5	85.50%	F-1	7/8"	2-1/4"	VFD	143TTDR16052	43.0	**1545.00**
S82-452	145TTDR16348	1-1/2	145T	208-230/460	1800	4.4-4.4/2.2	86.50%	F-1	7/8"	2-1/4"	VFD	145TTDR16348	46.0	**1599.00**
S82-453	145TTDR16349	2	145T	208-230/460	1800	6.2-6.0/3.0	86.50%	F-1	7/8"	2-1/4"	VFD	145TTDR16349	48.0	**1799.00**
S82-454	GT0010A-P	3	182T	208-230/460	1800	8.4-8.0/4.0	89.50%	F-1	1-1/8"	2-3/4"	VFD	182TTDW16063	71.0	**1545.00**
S82-455	GT0013A-P	5	184T	208-230/460	1800	13.6-12.6/6.3	89.50%	F-1	1-1/8"	2-3/4"	VFD	184TTDW16061	74.0	**1899.00**
S91-940	GT0016A-P	7-1/2	213T	208-230/460	1800	21-19.2/9.6	91.00%	F-1	1-3/8"	3-3/8"	VFD	213TTDW16075	129.0	**1945.00**
S91-941	GT0019A-P	10	215T	208-230/460	1800	27.0-25.0/12.5	91.70%	F-1	1-3/8"	3-3/8"	VFD	215TTDW16073	143.0	**2145.00**
S91-942	E722A-P	15	254T	208-230/460	1800	42.5-38.0/18.9	93.00%	F-1	1-5/8"	4"	VFD	254TTDX16043	227.0	**3399.00**
S91-943	GT0062-P	20	256T	208-230/460	1800	56.0-49.0/24.5	93.60%	F-1	1-5/8"	4"	VFD	256TTDX16033	300.0	**4245.00**
S91-944	GT0065-P	25	284T	208-230/460	1800	69.5-61.0/30.5	93.60%	F-1	1-7/8"	4-5/8"	VFD	284TTDR16048	309.0	**4599.00**
S91-945	E1009-P	30	286T	208-230/460	1800	82.5-73.0/36.5	94.10%	F-1	1-7/8"	4-5/8"	VFD	286TTDR16038	332.0	**5745.00**
S91-946	U775-P	40	324T	230/460	1800	97.0/48.5	94.10%	F-1	2-1/8"	5-1/4"	VFD	324TTDR16050	517.0	**7245.00**
S91-947	E791A-P	50	326T	230/460	1800	121.0/60.5	94.50%	F-1	2-1/8"	5-1/4"	VFD	326TTDR16063	526.0	**8599.00**

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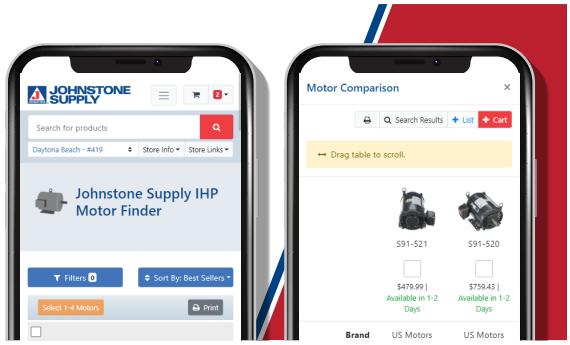

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143T-447T Frame NEMA Premium® XRI® Efficiency Three-Phase Motors

Open Dripproof

- General purpose motors for use on compressors, pumps, conveyors, blowers and other HVAC equipment
- Meet or exceeds NEMA Premium® efficiencies
- Inverter duty, suitable for use on a VFD, suitable for 10:1 VT on all frame sizes and 10:1 CT up to 365T frame
- Class F insulation, standard F1 assembly reversible to F2 assembly
- Horizontal mount
- Rigid base
- No thermal protection
- 1.15 service factor
- Three phase
- Insulation class F
- 40° ambient
- Horizontal mount
- Ball bearing
- Reversible rotation
- 60/50 Hz
- Three year warranty



Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	"A" Dim.	Replaces	Wt. Lbs.	Each
S82-523	143TTDR6027	1	143T	208-230/460	1800	3.2/1.6	85.50%	Horizontal	7/8"	2-1/4"	5-1/2"	143TTDR6027	38.0	**1299.00**
S82-527	145TTDR6039	2	143T	208-230/460	3600	6.0-5.6/2.8	86.50%	Horizontal	7/8"	2-1/4"	5-1/2"	145TTDR6039	31.0	**1499.00**
S82-528	U1267	2	184T	208-230/460	1200	6.9-6.8/3.4	87.50%	Horizontal	1-1/8"	2-3/4"	7-1/2"	184TTDW6076	84.0	**1445.00**
S82-529	145TTDR6002	3	145T	208-230/460	3600	8.0-7.2/3.6	86.50%	Horizontal	7/8"	2-1/4"	5-1/2"	145TTDR6002	46.0	**1499.00**
S91-995	E1930	3	182T	208-230/460	1800	8.4-8.0/4.0	89.50%	Horizontal	1-1/8"	2-3/4"	7-1/2"	182TTDW6030	72.0	**1245.00**
S91-996	U268	3	213T	208-230/460	1200	10.2-10.0/5.0	88.50%	Horizontal	1-3/8"	3-3/8"	8-1/2"	213TTDC6076	156.0	**1899.00**
S91-997	U1248	5	182T	208-230/460	3600	13.0-12.0/6.0	87.00%	Horizontal	1-1/8"	2-3/4"	7-1/2"	182TTDW6001	93.0	**1345.00**
S91-998	E1931	5	184T	208-230/460	1800	13.6-12.6/6.3	89.50%	Horizontal	1-1/8"	2-3/4"	7-1/2"	184TTDW6031	80.0	**1345.00**
S91-999	U269	5	215T	208-230/460	1200	15.8-15/7.5	90.20%	Horizontal	1-3/8"	3-3/8"	8-1/2"	215TTDC6076	185.0	**2745.00**
S92-000	U249A	7-1/2	184T	208-230/460	3600	19.6-17.6/8.8	88.50%	Horizontal	1-1/8"	2-3/4"	7-1/2"	184TTDW6001	106.0	**1899.00**
S92-001	U763	7-1/2	213T	230/460	1800	19.8/9.9	91.00%	Horizontal	1-3/8"	3-3/8"	8-1/2"	213TTDC6026	174.0	**2045.00**
S92-002	E733A	7-1/2	254T	208-230/460	1200	21.0/10.5	92.40%	Horizontal	1-5/8"	4"	10"	254TTDX16082	194.0	**2499.00**
S92-003	U764	10	213T	208-230/460	3600	25.0-23.6/11.8	90.20%	Horizontal	1-3/8"	3-3/8"	8-1/2"	213TTDC6001	163.0	**2399.00**
S92-004	U765	10	213T	208-230/460	1800	28.5-25.6/12.8	91.70%	Horizontal	1-3/8"	3-3/8"	8-1/2"	215TTDC6026	163.0	**2445.00**
S92-005	E734A	10	256T	208-230/460	1200	31.0-27.4/13.7	91.70%	Horizontal	1-5/8"	4"	10"	256TTDX16078	193.0	**3245.00**
S92-006	U766	15	215T	208-230/460	3600	38.0-34.5/17.3	91.00%	Horizontal	1-3/8"	3-3/8"	8-1/2"	215TTDC6001	184.0	**2945.00**
S92-007	U767	15	254T	208-230/460	1800	40.5-37/18.5	93.00%	Horizontal	1-5/8"	4"	10"	254TTDC6026	304.0	**3045.00**
S92-008	U256	15	284T	208-230/460	1200	42.0-39.5/19.7	92.40%	Horizontal	1-7/8"	4-5/8"	11"	284TTDC6076	435.0	**4199.00**
S92-009	U768	20	254T	208-230/460	3600	50.0-46.0/23.0	93.00%	Horizontal	1-5/8"	4"	10"	254TTDC6001	300.0	**3699.00**
S92-010	U769	20	256T	208-230/460	1800	51.0-49.0/24.5	93.00%	Horizontal	1-5/8"	4"	10"	256TTDC6026	352.0	**3745.00**
S92-011	E709A	25	256T	230/460	3600	57.0/28.5	91.70%	Horizontal	1-5/8"	4"	10"	256TTDX16006	382.0	**4099.00**
S92-012	U771	25	284T	208-230/460	1800	66.0-59.5/28.8	93.60%	Horizontal	1-7/8"	4-5/8"	11"	284TTDC6026	415.0	**4245.00**
S92-013	E1008	30	284T	230/460	3600	69.0/34.5	91.70%	Horizontal	1-7/8"	4-5/8"	11"	284TSTDR16003	470.0	**4545.00**
S92-014	U773	30	286T	208-230/460	1800	78.0-71.0/35.5	94.10%	Horizontal	1-7/8"	4-5/8"	11"	286TTDC6026	502.0	**4799.00**
S92-015	E1010	40	286TS	230/460	3600	90.0/45.0	92.40%	Horizontal	1-7/8"	4-5/8"	11"	286TSTDR16002	436.0	**5799.00**
S92-016	E789A	40	326TS	230/460	1800	100.0/50.0	94.10%	Horizontal	1-7/8"	3-3/4"	12-1/2"	326TSTDP16032	462.0	**7799.00**
S92-017	U777	50	326T	208-230/460	1800	130.0-118.0/59.0	94.50%	Horizontal	2-1/8"	5"	12-1/2"	326TTDC6026	698.0	**6845.00**
S92-018	U1779	60	364T	208-230/460	1800	152.0-139.0/69.5	95.40%	Horizontal	2-3/8"	5-7/8"	14"	364TTDCA6060	1077.0	**8645.00**
S92-019	E921	75	365T	230/460	1800	174.0/87.0	95.00%	Horizontal	2-3/8"	5-7/8"	14"	365TTDS6060	809.0	**16900.00**
S92-020	E922	100	404T	230/460	1800	226.0/113.0	95.40%	Horizontal	2-7/8"	7-1/4"	16"	404TTDS6060	1017.0	**12500.00**
S92-021	E923	125	405T	460	1800	141.0	95.40%	Horizontal	2-7/8"	7-1/4"	16"	405TTDS6060	1102.0	**14900.00**
S92-022	E924	150	444T	460	1800	170.0	95.80%	Horizontal	3-3/8"	8-1/2"	18"	444TTDS6060	1312.0	**16500.00**
S92-023	E925	200	445T	460	1800	225.0	95.80%	Horizontal	3-3/8"	8-1/2"	18"	445TTDS6060	1467.0	**20500.00**
S92-024	U786	250	447T	460	1800	284.0	95.80%	Horizontal	3-3/8"	8-1/2"	18"	447TTDN16046	2133.0	**51900.00**
S92-025	U789	300	447T	460	1800	340.0	96.20%	Horizontal	3-3/8"	8-1/2"	18"	447TTDN16041	2213.0	**56500.00**

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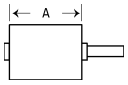
GENERAL PURPOSE MOTORS
T-Frame Three-Phase Premium Efficient

143T-326T Frame Three-Phase Motors with Shaft Grounding Ring Internally Installed

NEMA Premium Efficiency Motors, Totally Enclosed Fan Cooled





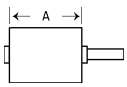
- Shaft grounding bearing current protection is factory installed inside the motor housing and can be used with any VFD
- No modifications or additional parts needed; simply ready to install and use with variable frequency drives
- Three phase
- Totally enclosed fan cooled
- NEMA premium efficiency
- 1800RPM
- Ball bearing
- Rigid base
- No thermal protection
- Class F insulation
- Nameplated 60/50 hertz
- UL recognized, CSA certified and CE marked
- Three year warranty

Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	For Use With	Wt. Lbs.	Each
S82-456	143TTFN16040	1	143T	230/460	1800	3.0/1.5	85.50%	F-1	7/8"	2-1/4"	VFD	48.0	**1699.00**
S82-458	145TTFN16045	2	145T	230/460	1800	6.0/3.0	86.50%	F-1	7/8"	2-1/4"	VFD	64.0	**1899.00**
S91-948	E2210-P	3	182T	230/460	1800	8.0/4.0	89.50%	F-1	1-1/8"	2-3/4"	VFD	104.0	**1745.00**
S91-949	E202-P	5	184T	230/460	1800	12.4/6.2	89.50%	F-1	1-1/8"	2-3/4"	VFD	109.0	**3245.00**
S91-950	E203-P	7-1/2	213T	230/460	1800	20.0/10.0	91.00%	F-1	1-3/8"	3-3/8"	VFD	165.0	**2345.00**
S91-951	E204-P	10	215T	230/460	1800	25.0/12.5	91.70%	F-1	1-3/8"	3-3/8"	VFD	177.0	**2799.00**
S91-952	E205-P	15	254T	230/460	1800	37.5/18.8	93.00%	F-1	1-5/8"	4"	VFD	350.0	**3745.00**
S91-953	E206-P	20	256T	230/460	1800	48.2/24.1	93.60%	F-1	1-5/8"	4"	VFD	425.0	**4645.00**
S91-954	E207-P	25	284T	230/460	1800	62.0/31.0	93.60%	F-1	1-7/8"	4-5/8"	VFD	500.0	**5499.00**
S91-955	E208-P	30	284T	230/460	1800	73.0/36.5	94.10%	F-1	1-7/8"	4-5/8"	VFD	525.0	**6399.00**
S91-956	E209-P	40	324T	230/460	1800	95.0/47.5	94.10%	F-1	2-1/8"	5-1/4"	VFD	528.0	**13900.00**
S91-957	E210-P	50	326T	230/460	1800	120.0/60.0	94.50%	F-1	2-1/8"	5-1/4"	VFD	775.0	**14500.00**

143T-449T Frame NEMA Premium® XRI® Efficiency Three-Phase Motors

Totally Enclosed Fan Cooled





- General purpose motors for use on compressors, pumps, conveyors, blowers and other HVAC equipment
- Meet or exceeds NEMA Premium® efficiencies
- Inverter duty, suitable for use on a VFD, suitable for 10:1 VT on all frame sizes and 10:1 CT up to 365T frame
- Class F insulation, standard F1 assembly reversible to F2 assembly
- Horizontal mount
- Rigid base
- No thermal protection
- 1.15 service factor
- Three phase
- Insulation class F
- 40° ambient
- Horizontal mount
- Ball bearing
- Reversible rotation
- 60/50 Hz
- Three year warranty

Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	"A" Dim.	Replaces	Wt. Lbs.	Each
S82-530	143TTFR15642	1	143T	230/460	1800	3.2/1.6	85.50%	Horizontal or vertical	7/8"	2-1/4"	5-1/2"	143TTFR15642	32.0	**1245.00**
S82-531	145TTFR16078	1	145T	230/460	1200	3.8/1.9	82.50%	Horizontal or vertical	7/8"	2-1/4"	5-1/2"	145TTFR16078	44.0	**1499.00**
S82-533	145TTFR16033	1-1/2	145T	208-230/460	1800	4.6-4.8/2.4	86.50%	Horizontal or vertical	7/8"	2-1/4"	5-1/2"	145TTFR16033	45.0	**1299.00**
S92-026	E2105	1-1/2	182T	208-230/460	1200	5.6-5.2/2.6	87.50%	Horizontal or vertical	1-1/4"	2-3/4"	7-1/2"	182TTFW16076	74.0	**1399.00**
S82-534	145TTFR13002	2	145T	208-230/460	3600	5.2-4.8/2.4	85.50%	Horizontal or vertical	7/8"	2-1/4"	5-1/2"	145TTFR13002	44.0	**1545.00**
S82-535	145TTFR16035	2	145T	208-230/460	1800	6.0-5.8/2.9	86.50%	Horizontal or vertical	7/8"	2-1/4"	5-1/2"	145TTFR16035	49.0	**1399.00**
S92-027	E2108	2	184T	208-230/460	1200	7.35-6.4/3.2	88.50%	Horizontal or vertical	1-1/4"	2-3/4"	7-1/2"	184TTFW16076	82.0	**1499.00**
S82-536	E2109	3	182T	208-230/460	3600	8.4-7.6/3.9	86.50%	Horizontal or vertical	1-1/4"	2-3/4"	7-1/2"	182TTFW16001	60.0	**1499.00**
S91-276	E2110	3	182T	230/460	1800	7.8/3.9	89.50%	Horizontal or vertical	1-1/8"	2-3/4"	—	—	107.0	**1545.00**
S92-028	E2111	3	213T	208-230/460	1200	9.2-8.8/4.4	89.50%	Horizontal or vertical	1-3/8"	3-1/2"	8-1/2"	213TTFW16076	130.0	**1845.00**
S92-029	E2112	5	184T	208-230/460	3600	13.2-12.0/6.0	88.50%	Horizontal or vertical	1-1/4"	2-3/4"	7-1/2"	184TTFW16001	87.0	**1799.00**
S91-277	E2113	5	184T	208-230/460	1760	12.8/6.4	89.50%	Horizontal or vertical	1-1/8"	2-3/4"	—	—	86.0	**1599.00**
S92-030	E2114	5	215T	208-230/460	1200	15.0-14.0/7.0	90.20%	Horizontal or vertical	1-3/8"	3-1/2"	8-1/2"	215TTFW16076	135.0	**2345.00**
S92-031	E2115	7-1/2	213T	208-230/460	3600	19.6-17.8/8.9	90.20%	Horizontal or vertical	1-3/8"	3-1/2"	8-1/2"	213TTFW16001	129.0	**1899.00**
S91-278	E2116	7-1/2	213T	230/460	1800	21.6/10.8	91.70%	Horizontal or vertical	1-3/8"	3-1/2"	—	—	194.0	**2045.00**
S92-032	E2117	7-1/2	254T	230/460	1200	19.8/9.9	91.00%	Horizontal or vertical	1-5/8"	4"	10"	254TTFL16076	245.0	**6745.00**
S92-033	E2118	10	215T	200-230/460	3600	26.0-23.6/11.8	91.70%	Horizontal or vertical	1-3/8"	3-1/2"	8-1/2"	215TTFW16001	153.0	**2799.00**
S91-279	E2119	10	215T	230/460	1800	26.8/13.4	91.70%	Horizontal or vertical	1-3/8"	3-1/2"	—	—	227.0	**2345.00**
S92-034	E2120	10	256T	230/460	1200	26.2/13.1	91.00%	Horizontal or vertical	1-5/8"	4"	10"	256TTFL16076	210.0	**3599.00**
S92-035	E2121	15	254T	230/460	3600	35.0/17.2	91.70%	Horizontal or vertical	1-5/8"	4"	10"	254TTFL16001	234.0	**6799.00**
S92-036	E2122	15	254T	230/460	1800	37.5/18.8	92.40%	Horizontal or vertical	1-5/8"	4"	10"	254TTFL16026	174.0	**5645.00**

continued on next page

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Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	"A" Dim.	Replaces	Wt. Lbs.	Each
S92-037	E237	15	284T	230/460	1200	41.0/20.4	91.70%	Horizontal or vertical	1-7/8"	4-5/8"	11"	284TTFNA6076	454.0	**4799.00**
S92-038	E2123	20	256T	230/460	3600	47.0/23.4	92.40%	Horizontal or vertical	1-5/8"	4"	10"	256TTFL16002	186.0	**6945.00**
S92-039	E2124	20	256T	230/460	1800	48.0/24.1	93.00%	Horizontal or vertical	1-5/8"	4"	10"	256TTFL16033	309.0	**7545.00**
S92-040	E238	20	286T	230/460	1200	53.5/26.8	91.70%	Horizontal or vertical	1-7/8"	4-5/8"	11"	286TTFNA6076	498.0	**5699.00**
S92-041	E222	25	284TS	230/460	3600	57.5/28.8	93.00%	Horizontal or vertical	1-5/8"	3-1/4"	11"	284TSTF-NA6001	438.0	**4599.00**
S92-042	E207	25	284T	230/460	1800	62.0/31.0	93.60%	Horizontal or vertical	1-7/8"	4-5/8"	11"	284TTFNA6026	475.0	**6899.00**
S92-043	E239	25	324T	230/460	1200	65.0/32.5	93.00%	Horizontal or vertical	2-1/8"	5-1/4"	12-1/2"	324TTFS6076	637.0	**7245.00**
S92-044	E223	30	386TS	230/460	3600	68.0/34.0	93.60%	Horizontal or vertical	1-5/8"	3-1/4"	11"	286TSTF-NA6001	437.0	**5145.00**
S92-045	E208	30	386T	230/460	1800	73.0/36.5	94.10%	Horizontal or vertical	1-7/8"	4-5/8"	11"	286TTFNA6026	545.0	**4899.00**
S92-046	E240	30	326T	230/460	1200	77.0/38.5	93.00%	Horizontal or vertical	2-1/8"	5-1/4"	12-1/2"	326TTFS6076	691.0	**8145.00**
S92-047	E224	40	324TS	230/460	3600	94.0/47.0	93.60%	Horizontal or vertical	1-7/8"	3-3/4"	12-1/2"	324TSTFS6001	662.0	**7099.00**
S92-049	E241A	40	364T	208-230/460	1200	108.0-100.0/50.0	94.10%	Horizontal or vertical	2-3/8"	5-7/8"	14"	364TTFS16083	878.0	**11500.00**
S92-050	E225	50	326TS	230/460	3600	116.0/58.0	93.60%	Horizontal or vertical	1-7/8"	3-3/4"	12-1/2"	326TSTFS6001	730.0	**8945.00**
S92-051	E210	50	326T	230/460	1800	120.0/60.0	94.50%	Horizontal or vertical	2-1/8"	5-1/4"	12-1/2"	326TTFS6026	760.0	**7945.00**
S92-052	E242A	50	365T	208-230/460	1200	134.0-123.0/61.5	94.50%	Horizontal or vertical	2-3/8"	5-7/8"	14"	365TTFS16083	945.0	**12900.00**
S92-053	E226	60	364TS	230/460	3600	134.0/67.0	94.50%	Horizontal or vertical	1-7/8"	3-3/4"	14"	364TSTFS6001	943.0	**11500.00**
S92-054	E211	60	364T	230/460	1800	140.0/70.0	95.00%	Horizontal or vertical	2-3/8"	5-7/8"	14"	364TTFS6036	820.0	**13500.00**
S92-055	E243	60	404T	230/460	1200	144.0/72.0	94.50%	Horizontal or vertical	2-7/8"	7-1/4"	16"	404TTFS6086	1202.0	**13900.00**
S92-056	E227	75	365TS	230/460	3600	168.0/84.0	94.50%	Horizontal or vertical	1-7/8"	3-3/4"	14"	365TSTFS6001	1012.0	**14500.00**
S92-057	E212	75	365T	230/460	1800	172.0/86.0	95.40%	Horizontal or vertical	2-3/8"	5-7/8"	14"	365TTFS6036	1055.0	**13900.00**
S92-058	E244	75	405T	230/460	1200	180.0/90.0	94.50%	Horizontal or vertical	2-7/8"	7-1/4"	16"	405TTFS6086	1280.0	**21500.00**
S92-059	E228	100	405TS	230/460	3600	216.0/108.0	95.00%	Horizontal or vertical	2-1/8"	4-1/4"	16"	405TSTFS6001	1295.0	**19900.00**
S92-060	E213	100	405T	230/460	1800	226.0/113.0	95.40%	Horizontal or vertical	2-7/8"	7-1/4"	16"	405TTFS6036	1338.0	**17500.00**
S92-061	E328	100	444T	230/460	1200	248.0/124.0	95.00%	Horizontal or vertical	3-3/8"	8-1/2"	18"	444TTFN6086	1974.0	**25500.00**
S92-062	E229	125	444TS	460	3600	136.0	95.40%	Horizontal or vertical	2-3/8"	4-3/4"	18"	444TSTFS6001	1692.0	**24500.00**
S92-064	E246	125	445T	460	1200	155.0	95.00%	Horizontal or vertical	3-3/8"	8-1/2"	18"	445TTFN6086	2092.0	**39500.00**
S92-065	E230	150	445TS	460	3600	168.0	95.80%	Horizontal or vertical	2-3/8"	4-3/4"	18"	445TSTFN6001	2203.0	**30900.00**
S92-067	E289	150	445T	460	1200	181.0	95.80%	Horizontal or vertical	3-3/8"	8-1/2"	18"	445TTFN6087	2457.0	**44900.00**
S92-068	E342	200	445TS	460	3600	224.0	95.40%	Horizontal or vertical	2-3/8"	4-3/4"	18"	445TST-FN16004	2294.0	**43900.00**
S92-069	E247	200	445T	460	1800	226.0	96.20%	Horizontal or vertical	3-3/8"	8-1/2"	18"	445TTFN6038	2604.0	**52900.00**
S92-070	E282	200	449T	460	1200	240.0	95.80%	Horizontal or vertical	3-3/8"	8-1/2"	18"	449TTFS6088	2933.0	**62500.00**

143T-447T Frame Three-Phase Motors

NEMA Premium Efficiency Motors, Open Dripproof

Applications:
- Designed for pumps, fans, compressors and other general purpose applications where contaminants are minimal

Features:
- 1.15 service factor, open dripproof construction, rigid base, 50-60 Hz
- Class F insulation, class B rise at service factor (140 frame and larger)
- Rolled steel frame 56-320, cast iron frame 280-440
- 40°C ambient, NEMA design B performance
- Regreasable bearings on 440T and larger
- Suitable for Wye-Delta start 250T and larger
- All motors are tested and designed to be 100% variable frequency drives (VFDs) compatible
- No thermal protection



Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	Wt. Lbs.	Each
S81-357	D1P2H	1	143T	200	1800	3.6	85.50%	Horizontal	7/8"	2-1/4"	35.0	**1045.00**
S81-085	D1P2D	1	143T	208-230/460	1800	3.1	85.50%	Horizontal	7/8"	2-1/4"	35.0	**1045.00**
S81-359	D1P3D	1	145T	230/460	1200	4	82.50%	Horizontal	7/8"	2-1/4"	40.0	**1445.00**
S81-361	D32P1D	1-1/2	143T	230/460	3600	3.8	85.50%	Horizontal	7/8"	2-1/4"	35.0	**1145.00**
S81-363	D32P2H	1-1/2	145T	200	1800	1.2	86.50%	Horizontal	7/8"	2-1/4"	40.0	**1145.00**
S81-086	D32P2D	1-1/2	145T	208-230/460	1800	4.2	86.50%	Horizontal	7/8"	2-1/4"	40.0	**1145.00**
S81-364	D32P2B2	1-1/2	145T	230/460	1800	4.2	86.50%	F-2	7/8"	2-1/4"	40.0	**1145.00**
S91-512	D32P3D	1-1/2	182T	230/460	1200	5	86.50%	Horizontal	1-1/8"	2-3/4"	45.0	**1745.00**
S81-370	D2P2H	2	145T	200	1800	6.4	86.50%	Horizontal	7/8"	2-1/4"	45.0	**1245.00**
S81-087	D2P2D	2	145T	208-230/460	1800	5.5	86.50%	Horizontal	7/8"	2-1/4"	45.0	**1245.00**
S81-368	D2P2B2	2	145T	230/460	1800	5.5	86.50%	Horizontal	7/8"	2-1/4"	45.0	**1245.00**
S81-367	D2P1D	2	145T	230/460	3600	5	85.50%	Horizontal	7/8"	2-1/4"	40.0	**1245.00**
S91-513	D2P3D	2	184T	230/460	1200	6.3	87.50%	Horizontal	1-1/8"	2-3/4"	60.0	**1945.00**
S81-374	D3P1D	3	145T	230/460	3600	7.4	85.50%	Horizontal	7/8"	2-1/4"	40.0	**995.00**
S81-376	D3P2H	3	182T	200	1800	9.1	89.50%	Horizontal	1-1/8"	2-3/4"	50.0	**1599.00**
S91-520	D3P2D	3	182T	208-230/460	1800	7.9	90.20%	Horizontal	1-1/8"	2-3/4"	50.0	**1599.00**
S91-514	D3P3D	3	213T	230/460	1200	8.8	89.50%	Horizontal	1-3/8"	3-3/8"	90.0	**2099.00**
S91-536	D5P1D	5	182T	230/460	3600	18.3	89.50%	Horizontal	1-1/8"	2-3/4"	45.0	**1645.00**

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GENERAL PURPOSE MOTORS
T-Frame Three-Phase Premium Efficient

Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	Wt. Lbs.	Each
S91-645	D5P2H	5	184T	200	1800	14.8	89.50%	Horizontal	1-1/8"	2-3/4"	100.0	**1445.00**
S91-521	D5P2D	5	184T	208-230/460	1800	12.9	89.50%	Horizontal	1-1/8"	2-3/4"	60.0	**1699.00**
S91-515	D5P3D	5	215T	230/460	1200	14.5	89.50%	Horizontal	1-3/8"	3-3/8"	100.0	**2699.00**
S91-537	D7P1D	7-1/2	184T	208-230/460	3600	18.3	89.50%	Horizontal	1-1/8"	2-3/4"	60.0	**1799.00**
S91-647	D7P2H	7-1/2	213T	200	1800	21.4	91.00%	Horizontal	1-3/8"	3-3/8"	90.0	**2499.00**
S91-522	D7P2D	7-1/2	213T	208-230/460	1800	18.5	91.00%	Horizontal	1-3/8"	3-3/8"	90.0	**2499.00**
S91-516	D7P3D	7-1/2	254T	230/460	1200	20.3	91.70%	Horizontal	1-5/8"	4"	150.0	**4099.00**
S91-538	D10P1D	10	213T	230/460	3600	24.3	90.20%	Horizontal	1-3/8"	3-3/8"	90.0	**2099.00**
S91-652	D10P2H	10	215T	200	1800	28.1	91.70%	Horizontal	1-3/8"	3-3/8"	100.0	**2999.00**
S91-523	D10P2D	10	215T	208-230/460	1800	23.8	91.70%	Horizontal	1-3/8"	3-3/8"	100.0	**2545.00**
S91-517	D10P3D	10	256T	208-230/460	1200	26	91.70%	Horizontal	1-5/8"	4"	160.0	**3499.00**
S91-539	D15P1D	15	215T	230/460	3600	36	91.00%	Horizontal	1-3/8"	3-3/8"	100.0	**2699.00**
S91-656	D15P2H	15	254T	200	1800	42	93.00%	Horizontal	1-5/8"	4"	150.0	**3245.00**
S91-524	D15P2D	15	254T	208-230/460	1800	37	93.00%	Horizontal	1-5/8"	4"	150.0	**3245.00**
S91-518	D15P3D	15	284T	208-230/460	1200	37	91.70%	Horizontal	1-7/8"	4-7/8"	300.0	**4999.00**
S91-540	D20P1D	20	254T	230/460	3600	47	92.40%	Horizontal	1-5/8"	4"	150.0	**3245.00**
S91-660	D20P2H	20	256T	200	1800	56	93.60%	Horizontal	1-5/8"	4"	160.0	**4145.00**
S91-525	D20P2D	20	256T	208-230/460	1800	48	93.60%	Horizontal	1-5/8"	4"	160.0	**4145.00**
S91-519	D20P3D	20	286T	230/460	1200	48	91.70%	Horizontal	1-7/8"	4-7/8"	325.0	**6045.00**
S91-541	D25P1D	25	256T	230/460	3600	58	93.00%	Horizontal	1-5/8"	4"	160.0	**4145.00**
S91-671	D25P2H	25	284T	200	1800	67	94.10%	Horizontal	1-7/8"	4-7/8"	300.0	**4845.00**
S91-526	D25P2E	25	284T	208-230/460	1800	58	93.60%	Horizontal	1-7/8"	4-7/8"	300.0	**4499.00**
S91-673	D25P2DS	25	284TS	230/460	1800	58	94.10%	Horizontal	1-7/8"	3-1/2"	300.0	**4999.00**
S91-674	D25P2CS	25	284TS	460	1800	29.2	94.10%	Horizontal	1-7/8"	3-1/2"	300.0	**4999.00**
S91-675	D25P3D	25	324T	230/460	1200	59	93.60%	Horizontal	2-1/8"	5-1/4"	385.0	**6599.00**
S91-677	D30P1HS	30	284TS	200	3600	78	93.60%	Horizontal	1-5/8"	3-1/4"	300.0	**5899.00**
S91-542	D30P1DS	30	284TS	208-230/460	3600	68	93.00%	Horizontal	1-5/8"	3-1/4"	300.0	**5545.00**
S91-527	D30P2D	30	286T	208-230/460	1800	69	93.60%	Horizontal	1-7/8"	4-7/8"	350.0	**5945.00**
S91-680	D30P2DS	30	286TS	208-230/460	1800	69	93.60%	Horizontal	1-7/8"	3-1/2"	350.0	**5945.00**
S91-681	D30P3D	30	326T	230/460	1200	70	93.60%	Horizontal	2-1/8"	5-1/4"	415.0	**7645.00**
S91-543	D40P1DS	40	286TS	230/460	3600	90	94.10%	Horizontal	1-5/8"	3-1/4"	350.0	**6099.00**
S91-684	D40P2H	40	324T	200	1800	105	94.10%	Horizontal	2-1/8"	5-1/4"	385.0	**6045.00**
S91-528	D40P2D	40	324T	230/460	1800	91	94.50%	Horizontal	2-1/8"	5-1/4"	385.0	**6499.00**
S91-686	D40P3E	40	364T	230/460	1200	92	94.50%	Horizontal	2-1/8"	5-1/4"	580.0	**9499.00**
S91-687	D50P1HS	50	324TS	200	3600	134	93.60%	Horizontal	1-7/8"	3-3/4"	385.0	**6799.00**
S91-688	D50P1DS	50	324TS	230/460	3600	117	93.00%	Horizontal	1-7/8"	3-3/4"	385.0	**6799.00**
S91-529	D50P2D	50	326T	230/460	1800	114	94.50%	Horizontal	2-1/8"	5-1/4"	415.0	**7645.00**
S91-691	D50P3E	50	365T	230/460	1200	115	94.50%	Horizontal	2-3/8"	5-7/8"	580.0	**10900.00**
S91-692	D60P1HS	60	326TS	200	3600	156	94.10%	Horizontal	1-7/8"	3-3/4"	415.0	**7345.00**
S91-693	D60P1DS	60	326TS	230/460	3600	136	93.60%	Horizontal	1-7/8"	3-3/4"	415.0	**7345.00**
S91-530	D60P2E	60	364T	230/460	1800	138	95.00%	Horizontal	2-3/8"	5-7/8"	580.0	**7645.00**
S91-696	D60P3E	60	404T	230/460	1200	138	95.00%	Horizontal	2-7/8"	7-1/4"	750.0	**15500.00**
S91-697	D75P1ES	75	364TS	230/460	3600	171	94.10%	Horizontal	1-7/8"	3-3/4"	580.0	**9645.00**
S91-531	D75P2E	75	365T	230/460	1800	172	95.00%	Horizontal	2-3/8"	5-7/8"	600.0	**9045.00**
S91-700	D75P3E	75	405T	230/460	1200	170	95.00%	Horizontal	2-7/8"	7-1/4"	800.0	**17500.00**
S91-701	D100P1ES	100	365TS	230/460	3600	225	94.50%	Horizontal	1-7/8"	3-3/4"	600.0	**10900.00**
S91-532	D100P2E	100	404T	230/460	1800	225	95.40%	Horizontal	2-7/8"	7-1/4"	750.0	**13500.00**
S91-704	D100P2ES	100	404TS	230/460	1800	225	95.40%	Horizontal	2-1/8"	4-1/4"	750.0	**13500.00**
S91-705	D100P3C	100	444T	460	1200	121	95.40%	Horizontal	3-3/8"	8-1/2"	1100.0	**20900.00**
S91-706	D125P1FS	125	404TS	460	3600	136	95.00%	Horizontal	2-1/8"	4-1/4"	750.0	**14500.00**
S91-533	D125P2F	125	405T	460	1800	140	95.40%	Horizontal	2-7/8"	7-1/4"	800.0	**14500.00**
S91-709	D125P3F	125	445T	460	1200	151	95.40%	Horizontal	3-3/8"	8-1/2"	1200.0	**21900.00**
S91-710	D150P1FS	150	405TS	460	3600	164	94.50%	Horizontal	2-1/8"	4-1/4"	800.0	**17900.00**
S91-534	D150P2F	150	444T	460	1800	169	96.20%	Horizontal	3-3/8"	8-1/2"	1100.0	**22500.00**
S91-713	D150P2FS	150	444TS	460	1800	169	95.80%	Horizontal	2-3/8"	4-1/2"	1100.0	**22500.00**
S91-714	D150P3F	150	445T	460	1200	190	95.80%	Horizontal	3-3/8"	8-1/2"	1200.0	**29500.00**
S91-715	D200P1FS	200	444TS	460	3600	228	95.00%	Horizontal	2-3/8"	4-1/2"	1100.0	**27500.00**
S91-535	D200P2F	200	445T	460	1800	231	96.20%	Horizontal	3-3/8"	8-1/2"	1200.0	**27900.00**
S91-717	D200P3F	200	447T	460	1200	250	95.40%	Horizontal	3-3/8"	8-1/2"	1700.0	**38500.00**
S91-718	D250P1FS	250	445TS	460	3600	282	95.40%	Horizontal	2-3/8"	4-1/2"	1200.0	**35900.00**

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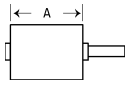
Globetrotter IHP NEMA Premium® Motors

Open Dripproof

- Meets or exceeds NEMA Premium® efficiency
- Model is in compliance with EISA2007
- Steel frame
- Inverter Duty 10:1 Variable Torque and 2:1 Constant Torque
- Class F Insulation
- Standard assembly F1, reversible to F2 assembly





Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	"A" Dim.	Replaces	Wt. Lbs.	Each
S92-283	GT0801	1	143	200	1755	3.5	85.5%	F1/F2 CAPABLE	—	—	—	—	43.00	**1745.00**
S83-619	GT0001	1	143	208-230/460	1755	3.2-3.0/1.5	85.5%	F1/F2 CAPABLE	—	—	—	—	48.00	**1745.00**
S92-284	GT0804	1-1/2	145	200	1750	5.1	86.5%	F1/F2 CAPABLE	—	—	—	—	60.00	**1845.00**
S92-169	GT0005A	1-1/2	182T	230/460	1180	4.4/2.2	86.5%	Horizontal	1-1/8"	2-3/4"	13.72"	—	68.00	**2045.00**
S92-285	GT0807	2	145	200	1745	6.5	86.5%	F1/F2 CAPABLE	—	—	—	—	43.00	**1999.00**
S92-170	GT0008A	2	184T	230/460	1180	5.8/2.9	87.5%	Horizontal	1-1/8"	2-3/4"	13.72"	—	82	**1545.00**
S92-171	GT0010A	3	182T	230/460	1750	7.8/3.9	89.5%	Horizontal	1-1/8"	2-3/4"	13.72"	—	74.00	**1499.00**
S92-172	GT0011A	3	213T	230/460	1185	8.8/4.4	88.5%	Horizontal	1-3/8"	3-3/8"	17.52"	—	136.00	**2399.00**
S92-173	GT0012A	5	182T	230/460	3495	11.8/5.9	86.5%	Horizontal	1-1/8"	2-3/4"	13.72"	—	68	**1199.00**
S92-174	GT0013A	5	184T	230/460	1740	12.4/6.2	89.5%	Horizontal	1-1/8"	2-3/4"	14.2"	—	86	**1599.00**
S92-175	GT0014A	5	215T	230/460	1182	14/7	89.5%	Horizontal	1-3/8"	3-3/8"	17.5"	—	142	**2499.00**
S92-176	GT0015A	7-1/2	184T	230/460	3510	17.2/8.6	88.5%	Horizontal	1-1/8"	2-3/4"	13.7"	—	83	**1345.00**
S92-177	GT0016A	7-1/2	213T	230/460	1766	19.8/9.9	91%	Horizontal	1-3/8"	3-3/8"	17.5"	—	120	**2045.00**
S92-178	GT0018A	10	213T	230/460	3525	23/11.5	89.5%	Horizontal	1-3/8"	3-3/8"	17.5"	—	122	**1899.00**
S92-286	GT0819	10	215	200	1768	29.2	91.7%	F1/F2 CAPABLE	—	3.38	—	—	140.00	**2899.00**
S92-179	GT0019A	10	215T	230/460	1768	25.4/12.7	91.7%	Horizontal	1-3/8"	3-3/8"	17.5"	—	172	**2299.00**
S92-180	GT0021A	15	215T	230/460	3515	36/18	90.2%	Horizontal	1-3/8"	3-3/8"	17.5"	—	95	**2299.00**
S92-282	GT0859	15	254	200	1774	43.5	93.0%	F1/F2 CAPABLE	—	—	—	—	300.00	**3899.00**
S92-181	GT0059	15	254T	230/460	1774	37.5/18.8	93%	Horizontal	1-5/8"	4"	22.7"	—	272	**3499.00**
S92-182	GT0061	20	254T	230/460	3550	48/24	91%	Horizontal	1-5/8"	4"	24.3"	—	270	**3845.00**
S92-183	GT0062	20	256T	230/460	1770	48.5/24.3	93%	Horizontal	1-5/8"	4"	24.3"	—	314	**3899.00**
S92-184	GT0063	20	286T	230/460	1188	52.5/26.3	92.4%	Horizontal	1-7/8"	4-5/8"	25.7"	—	275	**5999.00**
S92-185	GT0064	25	256T	230/460	3525	56/28	91.7%	Horizontal	1-5/8"	4"	24.3"	—	315	**4799.00**
S92-186	GT0065	25	284T	230/460	1775	62/31	93.6%	Horizontal	1-7/8"	4-5/8"	25.7"	—	329	**4845.00**
S92-187	GT0068	25	324T	230/460	1188	65/32.5	93%	Horizontal	2-1/8"	5-1/4"	28.6"	—	487	**6445.00**
S92-188	GT0069	30	284TS	230/460	3553	66.5/33.5	91.7%	Horizontal	1-5/8"	3-1/4"	24.4"	—	289	**5045.00**
S92-287	GT0867	30	286	200	1775	84.0	94.1%	F1/F2 CAPABLE	—	—	—	—	430.00	**6645.00**
S92-189	GT0067	30	286T	230/460	1775	72.5/36	94.1%	Horizontal	1-7/8"	4-5/8"	27.1"	—	431	**5099.00**
S92-190	GT0071	30	326T	230/460	1188	75/37.5	93.6%	Horizontal	2-1/8"	5-1/4"	29.7"	—	584	**7399.00**
S92-191	GT0072	40	286TS	230/460	3560	90/45	92.4%	Horizontal	1-5/8"	3-1/4"	25.8"	—	450	**6099.00**
S92-192	GT0073	40	324T	230/460	1780	95.5/48	94.1%	Horizontal	2-1/8"	5-1/4"	28.6"	—	511	**5699.00**
S92-193	GT0075	40	364T	230/460	1188	97/48.5	94.1%	Horizontal	2-3/8"	5-7/8"	31.7"	—	747	**9299.00**
S92-194	GT0076	50	324TS	230/460	3565	115/57.5	93%	Horizontal	1-7/8"	3-3/4"	27.1"	—	411	**6299.00**
S92-195	GT0077	50	326T	230/460	1780	118/59	94.5%	Horizontal	2-1/8"	5-1/4"	29.7"	—	571	**6145.00**
S92-196	GT0079	50	365T	230/460	1185	120/60	94.1%	Horizontal	3-3/8"	5-7/8"	33.3"	—	820	**9999.00**
S92-197	GT0080	60	326TS	230/460	3575	136/68	93.6%	Horizontal	1-7/8"	3-3/4"	28.3"	—	582	**7599.00**
S92-198	GT0081	60	364T	230/460	1782	139/69.5	95%	Horizontal	2-3/8"	5-7/8"	31.7"	—	747	**8245.00**
S92-199	GT0082	60	364TS	230/460	1782	139/69.5	95%	Horizontal	1-7/8"	3-3/4"	31.7"	—	738	**9299.00**
S92-200	GT0041A	60	404T	230/460	1188	141.0/70.5	94.5%	Horizontal	2-7/8"	7-1/4"	37.2"	—	565	**15500.00**
S92-201	GT0083	75	364TS	230/460	3565	172/86	93.6%	Horizontal	1-7/8"	3-3/4"	29.6"	—	706	**10900.00**
S92-202	GT0084	75	365T	230/460	1782	172/86	95%	Horizontal	2-3/8"	5-7/8"	33.3"	—	849	**9345.00**
S92-203	GT0085	75	365TS	230/460	1782	172/86	95%	Horizontal	1-7/8"	3-3/4"	31.2"	—	820	**10900.00**
S92-204	GT0044A	75	405T	230/460	1188	174/87	94.5%	Horizontal	2-7/8"	7-1/4"	38.8"	—	1100	**16900.00**
S92-205	GT0086	100	365TS	230/460	3568	227/114	93.6%	Horizontal	1-7/8"	3-3/4"	31.2"	—	798	**11900.00**
S92-206	GT0046A	100	404T	230/460	1788	228/114	95.4%	Horizontal	2-7/8"	7-1/4"	37.3"	S91-357	1312	**16900.00**
S92-207	GT0047A	100	444T	230/460	1190	232/116	95%	Horizontal	3-3/8"	8-1/2"	44.6"	—	1760	**24500.00**
S92-208	GT0048A	125	404TS	460	3575	139	94.1%	Horizontal	2-1/8"	4-1/4"	33.9"	—	1188	**14900.00**
S92-209	GT0049A	125	405T	460	1785	142	95.4%	Horizontal	2-7/8"	7-1/4"	38.8"	S91-358	1395	**17500.00**
S92-210	GT0050A	125	445T	460	1190	145	95%	Horizontal	3-3/8"	8-1/2"	44.6"	—	1903	**23500.00**
S92-211	GT0051A	150	405TS	460	3575	165	94.1%	Horizontal	4-1/4"	2-1/8"	35.5"	—	1254	**16900.00**
S92-212	GT0052A	150	444T	460	1790	168	95.8%	Horizontal	3-3/8"	8-1/2"	44.6"	S91-359	1879	**21900.00**
S92-213	GT0053A	150	447T	460	1190	173	95.4%	Horizontal	3-3/8"	8-1/2"	49.7"	—	2123	**26500.00**
S92-214	GT0054A	200	444TS	460	3582	215	95%	Horizontal	2-3/8"	4-3/4"	40.8"	—	1947	**27500.00**
S92-215	GT0055A	200	445T	460	1790	223	95.8%	Horizontal	3-3/8"	8-1/2"	44.6"	S91-360	2013	**26900.00**
S92-216	GT0056A	200	449T	460	1188	228	95.4%	Horizontal	3-3/8"	8-1/2"	49.7"	—	2369	**30500.00**

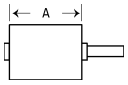
GENERAL PURPOSE MOTORS
T-Frame Three-Phase Premium Efficient

marathon™ Motors

Globetrotter IHP NEMA Premium® Motors
NEMA Premium Efficiency, Totally Enclosed Fan Cooled

- Meets or exceeds NEMA Premium® efficiency
- Model is in compliance with EISA2007
- Cast iron frame and brackets
- Inverter Duty, 10:1 Variable Torque and 10:1 Constant Torque
- Class F Insulation
- Standard assembly F1, reversible to F2 assembly





Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	"A" Dim.	Replaces	Wt. Lbs.	Each
S83-620	GT1501	1	143T	208-230/460	1755	3.2-3.0/1.5	85.5%	Horizontal	7/8"	—	—	—	45	**1299.00**
S92-217	GT1004	1-1/2	145T	230/460	1740	4/2	86.5%	Horizontal	7/8"	2-1/4"	14.2	S89-460	76	**1099.00**
S92-218	GT1005A	1-1/2	182T	230/460	1185	4.8/2.4	87.5%	Horizontal	1-1/8"	2-3/4"	14.8	S91-876	99	**1845.00**
S92-288	GT1857	2	145T	200	1745	6.2	86.5%	Horizontal	7/8"	—	—	—	48	**1745.00**
S92-219	GT1007	2	145T	230/460	1730	5/2.5	86.5%	Horizontal	7/8"	2-1/4"	14.2	S89-461	91	**1245.00**
S92-220	GT1008A	2	184T	230/460	1182	6/3	88.5%	Horizontal	1-1/8"	2-3/4"	14.8	S91-877	113	**2099.00**
S92-221	GT1009A	3	182T	230/460	3532	7.6/3.8	86.5%	Horizontal	1-1/8"	2-3/4"	14.8	S91-886	92	**1345.00**
S92-222	GT1010A	3	182T	230/460	1750	7.8/3.9	89.5%	Horizontal	1-1/8"	2-3/4"	14.8	S91-393	99	**1399.00**
S92-223	GT1011A	3	213T	230/460	1185	8.6/4.3	89.5%	Horizontal	1-3/8"	3-3/8"	18.6	S91-878	178	**3445.00**
S92-224	GT1012A	5	184T	230/460	3495	12/6	90.2%	Horizontal	1-1/8"	2-3/4"	14.8	S91-887	106	**1599.00**
S92-225	GT1013A	5	184T	230/460	1740	12.4/6.2	89.5%	Horizontal	1-1/8"	2-3/4"	—	S91-394	115	**1599.00**
S92-226	GT1014A	5	215T	230/460	1180	13.6/6.8	89.5%	Horizontal	1-3/8"	3-3/8"	—	S91-879	168	**2499.00**
S92-227	GT1015A	7-1/2	213T	230/460	3510	17.4/8.7	91%	Horizontal	1-3/8"	3-3/8"	—	S91-888	170	**2299.00**
S92-228	GT1016A	7-1/2	213T	230/460	1768	19/9.5	93.3%	Horizontal	1-3/8"	3-3/8"	—	S91-395	167	**2045.00**
S92-229	GT1017A	7-1/2	254T	230/460	1182	20.4/10.2	91%	Horizontal	1-5/8"	4"	—	S91-880	330	**4799.00**
S92-289	GT1819	10	215T	200	1762	28.8	91.7%	Horizontal	1-3/8"	—	—	—	183	**3645.00**
S92-230	GT1018A	10	215T	230/460	3518	23.6/11.8	90.2%	Horizontal	1-3/8"	3-3/8"	—	S91-889	200	**2445.00**
S92-231	GT1019A	10	215T	230/460	1762	25/12.5	92.1%	Horizontal	1-3/8"	3-3/8"	—	S91-396	183	**2599.00**
S92-232	GT1020A	10	256T	230/460	1180	28/14	91%	Horizontal	1-5/8"	4"	—	S91-881	360	**4745.00**
S92-233	GT1021A	15	254T	230/460	3545	35.5/17.8	91%	Horizontal	1-5/8"	4"	—	S91-890	318	**3945.00**
S92-234	GT1022A	15	254T	230/460	1772	37.5/18.8	92.4%	Horizontal	1-5/8"	4"	—	S91-397	299	**3545.00**
S92-235	GT1023A	15	284T	230/460	1185	39.5/19.8	91.7%	Horizontal	1-7/8"	4-5/8"	—	S91-882	377	**4645.00**
S92-236	GT1024A	20	256T	230/460	3540	47.5/23.7	91%	Horizontal	1-5/8"	4"	—	S91-891	344	**4099.00**
S92-237	GT1025A	20	256T	230/460	1768	48.5/24.2	93%	Horizontal	1-5/8"	4"	—	S91-398	335	**4099.00**
S92-238	GT1026A	20	286T	230/460	1180	52/26	91.7%	Horizontal	1-7/8"	4-5/8"	—	S91-883	527	**5099.00**
S92-239	GT1027A	25	284T	230/460	3555	60/30	91.7%	Horizontal	1-7/8"	4-5/8"	—	S91-892	510	**4745.00**
S92-240	GT1028A	25	284T	230/460	1775	61/30.5	93.6%	Horizontal	1-7/8"	4-5/8"	—	S91-399	529	**4999.00**
S92-241	GT1029A	25	324T	230/460	1184	64/32	93%	Horizontal	2-1/8"	5-1/4"	—	—	645	**7145.00**
S92-242	GT1030A	30	286T	230/460	3550	71/35.5	91.7%	Horizontal	1-7/8"	4-5/8"	—	S91-893	535	**4945.00**
S92-243	GT1031A	30	286T	230/460	1775	72.5/36.5	93.6%	Horizontal	1-7/8"	4-5/8"	—	S91-400	492	**4999.00**
S92-244	GT1032A	30	326T	230/460	1185	76/38	93%	Horizontal	2-1/8"	5-1/4"	—	—	735	**7745.00**
S92-245	GT1033A	40	324T	230/460	3565	92.5/46	92.4%	Horizontal	2-1/8"	5-1/4"	—	—	665	**6699.00**
S92-246	GT1034A	40	324T	230/460	1782	95/47.5	94.1%	Horizontal	2-1/8"	5-1/4"	—	S91-401	625	**6345.00**
S92-247	GT1035A	40	364T	230/460	1188	96/48	94.1%	Horizontal	2-3/8"	5-7/8"	—	—	950	**10900.00**
S92-248	GT1036A	50	326T	230/460	3568	113/56.5	93%	Horizontal	2-1/8"	5-1/4"	—	—	719	**8099.00**
S92-249	GT1037A	50	326T	230/460	1780	117/58.5	94.5%	Horizontal	2-1/8"	5-1/4"	—	S91-402	1136	**7399.00**
S92-250	GT1038A	50	365T	230/460	1188	121/60.5	94.1%	Horizontal	2-3/8"	5-7/8"	—	—	1025	**12500.00**
S92-251	GT1039A	60	364TS	230/460	3568	135/67.5	93.6%	Horizontal	1-7/8"	3-3/4"	—	—	942	**10900.00**
S92-252	GT1040A	60	364T	230/460	1782	138/69	95%	Horizontal	2-3/8"	5-7/8"	—	S91-403	993	**10500.00**
S92-253	GT1041A	60	404T	230/460	1190	143/71.5	94.5%	Horizontal	2-7/8"	7-1/4"	—	—	1340	**15500.00**
S92-254	GT1042A	75	365TS	230/460	3570	168/84	94.1%	Horizontal	1-7/8"	3-3/4"	—	—	1045	**13500.00**
S92-255	GT1043A	75	365T	230/460	1782	171/85.5	95.4%	Horizontal	2-3/8"	5-7/8"	—	S91-404	1083	**12900.00**
S92-256	GT1044A	75	405T	230/460	1188	178/89	94.5%	Horizontal	2-7/8"	7-1/4"	—	—	1436	**16900.00**
S92-257	GT1045A	100	405TS	230/460	3575	222/111	94.5%	Horizontal	2-1/8"	4-1/4"	—	—	1412	**15900.00**
S92-258	GT1046A	100	405T	230/460	1785	226/113	95.4%	Horizontal	2-7/8"	7-1/4"	—	S91-405	1458	**16900.00**
S92-259	GT1047A	100	444T	230/460	1190	229/115	95%	Horizontal	3-3/8"	8-1/2"	—	—	2060	**25900.00**
S92-260	GT1048A	125	444TS	460	3580	138	95%	Horizontal	3-3/8"	8-1/2"	—	—	1891	**22900.00**
S92-261	GT1049A	125	444T	460	1790	140	95.4%	Horizontal	3-3/8"	8-1/2"	—	S91-406	1981	**24500.00**
S92-262	GT1050A	125	445T	460	1190	143	95%	Horizontal	3-3/8"	8-1/2"	—	—	2066	**28500.00**
S92-263	GT1051A	150	445TS	460	3580	164	95%	Horizontal	2-3/8"	4-3/4"	—	—	1929	**27900.00**
S92-264	GT1052A	150	445T	460	1790	169	95%	Horizontal	3-3/8"	8-1/2"	—	S91-407	2161	**26500.00**
S92-265	GT1053A	150	447T	460	1190	171	95.8%	Horizontal	3-3/8"	8-1/2"	—	—	2587	**34500.00**
S92-266	GT1054A	200	447TS	460	3580	217	95.4%	Horizontal	2-3/8"	4-3/4"	—	—	2436	**32500.00**
S92-267	GT1055A	200	447T	460	1790	219	96.2%	Horizontal	3-3/8"	8-1/2"	—	S91-408	2461	**30900.00**
S92-268	GT1056A	200	449T	460	1190	227	95.8%	Horizontal	3-3/8"	8-1/2"	—	—	2650	**38900.00**

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143T-256T Frame Three-Phase Motors

Premium Efficiency, Totally Enclosed Fan Cooled

Features:
- Class F insulation, class B rise at service factor (140 frame and larger)
- Rolled steel frame (140 Frame), cast iron frame (180 frame and larger)
- 40°C ambient, NEMA design B Performance
- Regreasable bearings 180 frame and larger, double shielded bearing 48-400, open on 440 frame
- All motors are tested and designed to be 100% variable frequency drive (VFD) compatible
- No thermal protection



Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	Wt. Lbs.	Each
S81-094	7.5	1	143T	208-230/460	1800	3	85.50%	Horizontal	7/8"	2-1/4"	40.0	**1099.00**
S81-095	U32P2D	1-1/2	145T	208-230/460	1800	4.3	86.50%	Horizontal	7/8"	2-1/4"	40.0	**1145.00**
S81-096	U2P2D	2	145T	208-230/460	1800	5.7	86.50%	Horizontal	7/8"	2-1/4"	45.0	**1299.00**
S91-576	U3P2D	3	182T	208-230/460	1800	8.4	89.50%	Horizontal	1-1/8"	2-3/4"	60.0	**1399.00**
S91-577	U5P2D	5	184T	208-230/460	1800	13.6	90.20%	Horizontal	1-1/8"	2-3/4"	80.0	**1899.00**
S91-578	U7P2D	7-1/2	213T	208-230/460	1800	20	91.70%	Horizontal	1-3/8"	3-3/8"	110.0	**2645.00**
S91-579	U10P2D	10	215T	208-230/460	1800	26.5	91.70%	Horizontal	1-3/8"	3-3/8"	133.0	**2445.00**
S91-580	U15P2D	15	254T	208-230/460	1800	40	92.40%	Horizontal	1-5/8"	4"	240.0	**3399.00**
S91-581	U20P2D	20	256T	208-230/460	1800	53	93.00%	Horizontal	1-5/8"	4"	250.0	**3899.00**

143T-445T Frame E-Plus® 3 Three-Phase Motor

NEMA Premium Efficiency Motors, Open Dripproof

Applications:
- Fans, pumps, compressors, conveyors and other commercial HVAC/R equipment

Features:
- 1.15 service factor, open dripproof construction, rigid base
- Ball bearing, 40°C ambient
- Continuous duty, NEMA design B
- E-Plus® 3 motors exceed the requirements of Energy Policy Act (EPAct)
- All E-Plus® 3 motors are Speed Engineered™ designs and tested to be 100% variable frequency drive (VFD) compatible
- No thermal protection



Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	Wt. Lbs.	Each
S89-450	TO101	1	143T	208-230/460	1750	3.2	85.50%	F-1	7/8"	2-1/4"	47.1	**1145.00**

143T-447T Frame Three-Phase Motors

Premium Efficiency, Totally Enclosed Fan Cooled

Applications:
- Designed for pumps, fans, compressors and other general purpose applications where contaminants are minimal

Features:
- 1.15 service factor, rigid base, 5060 Hz
- Dual voltage 230/460 volts (1100 HP)
- Class F insulation, Class B rise at service factor (140 frame and larger)
- Rolled steel frame (140 frame), cast iron frame (180 frame and up)
- 40°C ambient, NEMA design B performance
- Regreasable ball bearings 250 frame and up, double shielded bearings 140-360, open on 400-440
- Cast iron frame, cast iron end brackets
- Shaft slinger on pulley end
- Condensation drains with plastic plugs
- Steel fan cover and conduit box
- No thermal protection

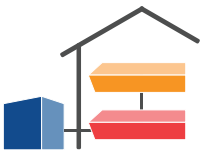


Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	Replaces	Wt. Lbs.	Each
S81-449	HD1P2E	1	143T	230/460	1800	3	85.50%	Horizontal	7/8"	2-3/10"	—	45.0	**1099.00**
S81-451	H1P3D	1	145T	230/460	1200	3.5	82.50%	Horizontal	7/8"	2-3/10"	—	50.0	**1645.00**
S81-453	H32P1D	1-1/2	143T	230/460	3600	3.9	84.00%	Horizontal	7/8"	2-3/10"	—	45.0	**1699.00**
S81-455	H32P2D	1-1/2	145T	230/460	1800	4.3	86.50%	Horizontal	7/8"	2-3/10"	—	50.0	**1599.00**
S92-140	HD32P3E	1-1/2	182T	230/460	1200	2.2	87.5%	Horizontal	1-1/8"	2-3/4"	H32P3D	100.0	**1545.00**
S81-461	H2P2D	2	145T	230/460	1800	5.7	86.50%	Horizontal	7/8"	2-3/10"	—	50.0	**1745.00**
S81-459	H2P1D	2	145T	230/460	3600	4.9	86.50%	Horizontal	7/8"	2-3/10"	—	50.0	**1999.00**
S92-141	HD2P3E	2	184T	230/460	1200	3.1	88.5%	Horizontal	1-1/8"	2-3/4"	H2P3D	100.0	**1699.00**
S92-143	HD3P2E	3	182T	230/460	1800	3.9	89.5%	Horizontal	1-1/8"	2-3/4"	H3P2D	100.0	**1545.00**
S92-142	HD3P1E	3	182T	230/460	3600	4.1	86.5%	Horizontal	1-1/8"	2-3/4"	H3P1D	100.0	**1599.00**
S91-729	H3P3D	3	213T	230/460	1200	8.8	89.50%	Horizontal	1-3/8"	3-19/50"	—	150.0	**2545.00**
S92-145	HD5P2E	5	184T	230/460	1800	6.3	89.5%	Horizontal	1-1/8"	2-3/4"	H5P2D	100.0	**1745.00**
S92-144	HD5P1E	5	184T	230/460	3600	6.1	88.5%	Horizontal	1-1/8"	2-3/4"	H5P1D	100.0	**1645.00**
S91-735	H5P3D	5	215T	230/460	1200	14	90.20%	Horizontal	1-3/8"	3-19/50"	—	150.0	**4299.00**
S91-739	H7P2D	7-1/2	213T	230/460	1800	18.6	91.70%	Horizontal	1-3/8"	3-19/50"	—	150.0	**3145.00**
S91-737	H7P1D	7-1/2	213T	230/460	3600	17.9	91.70%	Horizontal	1-3/8"	3-19/50"	—	150.0	**2945.00**
S92-146	HD7P3E	7-1/2	254T	230/460	1200	9.5	91%	Horizontal	1-5/8"	4.0"	H7P3D	300.0	**3699.00**
S91-745	H10P2D	10	215T	208-230/460	1800	23.9	91.70%	Horizontal	1-3/8"	3-19/50"	—	190.0	**3645.00**
S91-743	H10P1D	10	215T	230/460	3600	23.5	91.70%	Horizontal	1-3/8"	3-19/50"	—	180.0	**4045.00**
S92-147	HD10P3E	10	256T	230/460	1200	12.5	91%	Horizontal	1-5/8"	4.0"	H10P3D	300.0	**4445.00**

continued on next page

GENERAL PURPOSE MOTORS
T-Frame Three-Phase Premium Efficient

Order #	Mfg. #	HP	NEMA Frame	Volts	RPM	F/L Amps	Efficiency	Std. Mount. Pos.	Shaft Diam.	Shaft Length	Replaces	Wt. Lbs.	Each
S92-149	HD15P2E	15	254T	230/460	1800	17.7	92.4%	Horizontal	1-5/8"	4.0"	H15P2D	300.0	**3445.00**
S92-148	HD15P1E	15	254T	230/460	3600	17.2	91%	Horizontal	1-5/8"	4.0"	H15P1D	300.0	**3545.00**
S92-150	HD15P3E	15	284T	230/460	1200	18.5	91.7%	Horizontal	1-7/8"	4-5/8"	H15P3D	370.0	**5699.00**
S92-152	HD20P2E	20	256T	230/460	1800	23.7	93%	Horizontal	1-5/8"	4.0"	H20P2D	300.0	**4099.00**
S92-151	HD20P1E	20	256T	230/460	3600	23	91%	Horizontal	1-5/8"	4.0"	H20P1D	300.0	**4499.00**
S92-153	HD20P3E	20	286T	230/460	1200	24.4	91.7%	Horizontal	1-7/8"	4-5/8"	H20P3D	370.0	**6899.00**
S92-156	HD25P2E	25	284T	230/460	1800	29.2	93.6%	Horizontal	1-7/8"	4-5/8"	H25P2D	370.0	**4999.00**
S92-154	HD25P1E	25	284T	230/460	3600	28.8	91.7%	Horizontal	1-7/8"	4-5/8"	H25P1D	370.0	**5145.00**
S92-155	HD25P1ES	25	284TS	230/460	3600	28.8	91.7%	Horizontal	1-5/8"	3-1/4"	H25P1DS	370.0	**5145.00**
S92-157	HD25P3E	25	324T	230/460	1200	29.3	93%	Horizontal	2-1/8"	5-1/4"	H25P3E	550.0	**8345.00**
S92-159	HD30P2E	30	286T	230/460	1800	35	93.6%	Horizontal	1-7/8"	4-5/8"	H30P2D	370.0	**5845.00**
S92-158	HD30P1ES	30	286TS	230/460	3600	35	91.7%	Horizontal	1-5/8"	3-1/4"	H30P1DS	370.0	**6045.00**
S92-160	HD30P3E	30	326T	230/460	1200	35	93%	Horizontal	2-1/8"	5-1/4"	H30P3E	550.0	**9345.00**
S92-162	HD40P2E	40	324T	230/460	1800	46	94.1%	Horizontal	2-1/8"	5-1/4"	H40P2E	550.0	**8399.00**
S92-161	HD40P1ES	40	324TS	230/460	3600	92.0/4.6	92.4%	Horizontal	1-7/8"	3-3/4"	H40P1ES	550.0	**7499.00**
S92-163	HD40P3E	40	364T	230/460	1200	47	94.1%	Horizontal	2-3/8"	5-7/8"	H40P3E	750.0	**11900.00**
S92-165	HD50P2E	50	326T	230/460	1800	56	94.5%	Horizontal	2-1/8"	5-1/4"	H50P2E	550.0	**10500.00**
S92-164	HD50P1ES	50	326TS	230/460	3600	112.0/56.0	93%	Horizontal	1-7/8"	3-3/4"	H50P1ES	550.0	**10500.00**
S92-166	HD50P3E	50	365T	230/460	1200	59	94.1%	Horizontal	2-3/8"	5-7/8"	H50P3E	750.0	**14900.00**
S91-586	H60P2E	60	364T	230/460	1800	136	95.00%	Horizontal	2-3/8"	5-7/8"	—	865.0	**14500.00**
S91-785	H60P2ES	60	364TS	230/460	1800	136.0/68.0	95.00%	Horizontal	1-7/8"	3-3/4"	—	865.0	**14500.00**
S91-782	H60P1ES	60	364TS	230/460	3600	134.0/67.0	93.00%	Horizontal	1-7/8"	3-3/4"	—	825.0	**15900.00**
S91-786	H60P3E	60	404T	230/460	1200	141	94.50%	Horizontal	2-7/8"	7-1/4"	—	1160.0	**17500.00**
S92-167	HD75P2E	75	365T	230/460	1800	85	95.4%	Horizontal	2-3/8"	5-7/8"	H75P2E	750.0	**9999.00**
S92-168	HD75P2ES	75	365TS	230/460	1800	85	95.4%	Horizontal	1-7/8"	3-3/4"	H75P2ES	750.0	**9999.00**
S91-788	H75P1ES	75	365TS	230/460	3600	167.0/84.0	94.10%	Horizontal	1-7/8"	3-3/4"	—	875.0	**19500.00**
S91-792	H75P3E	75	405T	230/460	1200	174	95.00%	Horizontal	2-7/8"	7-1/4"	—	1175.0	**20900.00**
S91-588	H100P2E	100	405T	230/460	1800	227	95.40%	Horizontal	2-7/8"	7-1/4"	—	1200.0	**22500.00**
S91-796	H100P2ES	100	405TS	230/460	1800	225.0/113.0	95.40%	Horizontal	2-1/8"	4-1/4"	—	1200.0	**22500.00**
S91-793	H100P1ES	100	405TS	230/460	3600	224.0/112.0	94.50%	Horizontal	2-1/8"	4-1/4"	—	1175.0	**26500.00**
S91-797	H100P3E	100	444T	230/460	1200	247	95.40%	Horizontal	3-3/8"	8-1/2"	—	1600.0	**32900.00**
S91-589	H125P2F	125	444T	460	1800	146	95.40%	Horizontal	3-3/8"	8-1/2"	—	1575.0	**27900.00**
S91-802	H125P2FS	125	444TS	460	1800	144	95.40%	Horizontal	2-3/8"	4-1/2"	—	1575.0	**27900.00**
S91-799	H125P1FS	125	444TS	460	3600	142	95.00%	Horizontal	2-3/8"	4-3/4"	—	1550.0	**32500.00**
S91-803	H125P3F	125	445T	460	1200	154	95.80%	Horizontal	3-3/8"	8-1/2"	—	1650.0	**31500.00**
S91-590	H150P2F	150	445T	460	1800	172	95.80%	Horizontal	3-3/8"	8-1/2"	—	1650.0	**32900.00**
S91-808	H150P2FS	150	445TS	460	1800	171	95.80%	Horizontal	2-3/8"	4-1/2"	—	1650.0	**27500.00**
S91-805	H150P1FS	150	445TS	460	3600	171	95.00%	Horizontal	2-3/8"	4-1/2"	—	1625.0	**33500.00**
S91-809	H150P3F	150	447T	460	1200	181	96.20%	Horizontal	3-3/8"	8-1/2"	—	2000.0	**35900.00**
S91-591	H200P2F	200	447T	460	1800	224	96.20%	Horizontal	3-3/8"	8-1/2"	—	2150.0	**40500.00**
S91-813	H200P2FS	200	447TS	460	1800	224	96.20%	Horizontal	2-3/8"	4-1/2"	—	2150.0	**40500.00**
S91-811	H200P1FS	200	447TS	460	3600	217	95.40%	Horizontal	2-3/8"	4-1/2"	—	2100.0	**42500.00**



Mini-Split Selector

Quick • Accurate • Easy

Quick

Real-time pricing and availability

Accurate

Single-zone or multi-zone system matches

Easy

Effortless indoor style selection and identification



Click Here to Try it Today

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Why Is Efficiency Important?

Worldwide, motors consume between 55% and 63% of all electrical energy being produced. Recent US Department of Energy reports show that energy costs could be cut by at least 18% by utilizing energy efficient motors.

How Can Efficiency Be Improved?

Motors are affected by countless environmental, mechanical and electrical issues that could be rectified or improved.

Low or high voltage

- Low voltage levels cause motors to be slightly less efficient and may raise current levels beyond design. These can generally be corrected with transformer taps.
- Line harmonic issues can be mitigated with various reactors, shielded cables and isolation transformers.

Non-optimal load

- Motors "like" to operate around 90% to 95% and lower load levels tend to make them less efficient. Overloaded situations cause significant drops in efficiency along with numerous other issues including a significant rise in operating temperature.

Mechanical issues

- Misalignment, physical looseness and imbalance not only adversely affect a motor's performance and longevity but also its efficiency. Many times minor adjustments to belts, pulleys, sheaves or bearings can add years to a motor's life and result in big savings due to improved efficiency.

The costs of replacing poorly performing motors with Premium Efficiency motors will be quickly offset by the savings in energy costs.

Additional Resources

American Council for Energy Efficient Economy (ACEEE)
www.ACEEE.org

National Electrical Manufacturers Association (NEMA)
www.NEMA.org

U.S. Dept of Energy, Energy Efficiency and Renewable Energy (EERE)
www.eere.energy.gov

Consortium for Energy Efficiency (CEE)
For a list of energy efficiency incentive programs by state
www.CEE1.org

Electrical Apparatus Service Association (EASA)
www.EASA.com

U.S. Green Building Council (USGBC)
For information about LEED
www.USGBC.org



Federal Energy Management Program (FEMP)

- Federal agencies are required by the Energy Policy Act of 2005 to purchase Energy Star™ qualified products or FEMP-designated products. In both of these cases the products fall within the top 25% of energy efficiency.

Energy Independence and Security Act of 2007

- Amended in 2014 this law expanded and raised minimum efficiency levels for motors that were covered by Energy Policy Act (EPAct) of 1992 and the Energy Policy Act (EPAct) of 2005 mentioned above.

Nominal Efficiencies for Induction Motors Rated 600 Volts or Less (Random Wound)

Open Drip-Proof (ODP)								Totally Enclosed Fan-Cooled (TEFC)							
Motor Size (HP)	6-Pole (1200 RPM)	4-Pole (1800 RPM)	2-Pole (3600 RPM)	Motor Size (HP)	6-Pole (1200 RPM)	4-Pole (1800 RPM)	2-Pole (3600 RPM)	Motor Size (HP)	6-Pole (1200 RPM)	4-Pole (1800 RPM)	2-Pole (3600 RPM)	Motor Size (HP)	6-Pole (1200 RPM)	4-Pole (1800 RPM)	2-Pole (3600 RPM)
1.0	82.5	85.5	77.0	60.0	94.5	95.5	93.6	1.0	82.5	85.5	77.0	60.0	94.5	95.0	93.6
1.5	86.5	86.5	84.0	75.0	94.5	95.0	93.6	1.5	87.5	86.5	84.0	75.0	94.5	95.4	93.6
2.0	87.5	86.5	85.5	100.0	95.0	95.4	93.6	2.0	88.5	86.5	85.5	100.0	95.0	95.4	94.1
3.0	88.5	89.5	85.5	125.0	95.0	95.4	94.1	3.0	89.5	89.5	86.5	125.0	95.0	95.4	95.0
5.0	89.5	89.5	86.5	150.0	95.4	95.8	95.0	5.0	89.5	89.5	88.5	150.0	95.8	95.8	95.0
7.5	90.2	91.0	88.5	200.0	95.4	95.8	95.0	7.5	91.0	91.7	89.5	200.0	95.8	96.2	95.4
10.0	91.7	91.7	89.5	250.0	95.8	95.8	95.0	10.0	91.0	91.7	90.2	250.0	95.8	96.2	95.8
15.0	91.7	93.0	90.2	300.0	95.8	95.8	95.4	15.0	91.7	92.4	91.0	300.0	95.8	96.2	95.8
20.0	92.4	93.0	91.0	350.0	95.8	95.8	95.4	20.0	91.7	93.0	91.0	350.0	95.8	96.2	95.8
25.0	93.0	93.6	91.7	400.0	95.8	95.8	95.8	25.0	93.0	93.6	91.7	400.0	95.8	96.2	95.8
30.0	93.6	94.1	91.7	450.0	96.2	96.2	96.2	30.0	93.0	93.6	91.7	450.0	95.8	96.2	95.8
40.0	94.1	94.1	92.4	500.0	96.2	96.2	96.2	40.0	94.1	94.1	92.4	500.0	95.8	96.2	95.8
50.0	94.1	94.5	93.0					50.0	94.1	94.5	93.0				

Nominal Efficiencies for Induction Motors Rated 5kv or less (From Wound)

	Open Drip-Proof (ODP)			Totally Enclosed Fan-Cooled (TEFC)		
Motor Size (HP)	6-Pole (1200 RPM)	4-Pole (1800 RPM)	2-Pole (3600 RPM)	6-Pole (1200 RPM)	4-Pole (1800 RPM)	2-Pole (3600 RPM)
250.0-500.0	95.0	95.0	94.5	95.0	95.0	95.0

To understand more about the Energy Independence and Security Act of 2007 visit http://www.whitehouse.gov

Turbolytic™ 50 and Turbolytic™ Jr.

Universal Replacement Start Capacitors

- Six built-in capacitance values permit 64 different motor-start capacitance values
- Industrial-grade, permanent replacement parts which outperform older-style, plastic-caused capacitors with vent holes
- Protected to 10,000 AFC
- Diameter: 2-1/2"


A


B

Fig.	Order #	Mfg. #	Description	Mfd	Volts	Diam.	Height	Width	Depth	Each	3 Lot
A	**G35-565**	11200	Turbolytic 50	23-302	125-330	2-1/2"	5-3/4"	2-4/5"	2-4/5"	**115.00**	**109.00**
B	**G35-566**	11100	Turbolytic JR	23-208	125-330	2-1/2"	4-1/2"	2-4/5"	2-4/5"	**95.00**	**91.00**

Motor Start Capacitors

- AC electrolytic starting capacitors are designed for intermittent duty on single-phase capacitor start AC motors
- Will operate properly up to 20 starts of three-second duration per hour at not more than 66 Hz
- Meet "EIA" RS-463 Type 2 standards
- Round cases are moisture resistant molded plastic
- Dual type terminals for quick connect or solder connections
- Individually packaged



Order #	Mfg. #	Mfd	Volts	Diam.	Height	Each
G33-066	TMJ340	340-408	110-125	1-7/16"	2-3/4"	**17.99**
G33-067	TMJ430	430-516	110-125	1-7/16"	2-3/4"	**19.99**
G33-065	TMJ1000	1000-1200	110-125	2-1/16"	4-3/8"	**39.49**
G22-831	TMJ88	88-108	125	1-7/16"	2-3/4"	**9.99**
G22-651	TMJ108	108-130	125	1-7/16"	2-3/4"	**10.49**
G22-652	TMJ124	124-149	125	1-7/16"	2-3/4"	**10.49**
G22-653	TMJ130	130-156	125	1-7/16"	2-3/4"	**10.49**
G22-654	TMJ145	145-175	125	1-7/16"	2-3/4"	**10.99**
G22-832	TMJ161	161-193	125	1-7/16"	2-3/4"	**11.49**
G22-833	TMJ189	189-227	125	1-7/16"	2-3/4"	**11.49**
G22-655	TMJ216	216-259	125	1-7/16"	2-3/4"	**12.49**
G22-656	TMJ233	233-280	125	1-7/16"	2-3/4"	**12.49**
G22-834	TMJ270	270-324	125	1-7/16"	2-3/4"	**12.99**
G22-657	TMJ324	324-388	125	1-7/16"	2-3/4"	**14.49**
G22-004	TMJ378	378-455	125	1-7/16"	3-3/8"	**15.49**
G22-658	TMJ400	400-480	125	1-7/16"	3-3/8"	**17.99**
G22-005	TMJ460	460-552	125	1-7/16"	3-3/8"	**18.49**
G22-006	TMJ540	540-648	125	1-13/16"	4-3/8"	**19.99**
G22-007	TMJ590	590-708	125	1-13/16"	4-3/8"	**22.49**
G22-963	TMJ708	708-850	125	1-13/16"	4-3/8"	**22.49**
G22-835	TMJ829	829-995	125	1-13/16"	4-3/8"	**26.49**
G22-838	TTMJ43	43-53	220–250	1-7/16"	2-3/4"	**11.49**
G22-836	TTMJ56	53-64	220–250	1-7/16"	2-3/4"	**11.99**
G33-071	TTMJ64	64-77	220-250	1-7/16"	2-3/4"	**13.49**
G22-837	TTMJ72	72-88	220–250	1-13/16"	3-3/8"	**14.49**
G22-304	TTMJ88	88-108	220–250	1-13/16"	3-3/8"	**15.49**

Order #	Mfg. #	Mfd	Volts	Diam.	Height	Each
G22-011	TTMJ108	108-130	220–250	1-13/16"	3-3/8"	**16.99**
G22-012	TTMJ124	124-149	220–250	1-13/16"	4-3/8"	**18.49**
G22-013	TTMJ130	130-158	220–250	1-13/16"	3-3/8"	**19.49**
G22-014	TTMJ145	145-174	220–250	1-13/16"	3-3/8"	**20.49**
G22-015	TTMJ161	161-193	220–250	2-1/16"	3-3/8"	**22.49**
G22-839	TTMJ189	189-227	220–250	2-1/16"	3-3/8"	**25.99**
G22-016	TTMJ216	216-259	220–250	2-1/16"	3-3/8"	**28.49**
G22-017	TTMJ233	233-280	220–250	2-1/16"	3-3/8"	**29.49**
G22-840	TTMJ270	270-324	220–250	2-1/16"	3-3/8"	**33.49**
G22-841	TTMJ280	280-336	220–250	2-1/16"	4-3/8"	**38.99**
G33-069	TTMJ320	320-384	220-250	2-1/16"	4-3/8"	**65.00**
G33-070	TTMJ400	400-480	220-250	2-1/16"	4-3/8"	**65.00**
G22-842	TRMJ56	53-64	330	1-13/16"	3-3/8"	**13.49**
G22-843	TRMJ72	72-88	330	1-13/16"	3-3/8"	**17.99**
G22-844	TRMJ88	88-108	330	2-1/16"	3-3/8"	**18.99**
G32-691	TRMJ64	64-77	330	1-13/16"	3-3/8"	**14.49**
G21-944	TRMJ108	108-130	330	2-1/16"	4-3/8"	**19.49**
G22-845	TRMJ124	124-149	330	2-1/16"	4-3/8"	**19.99**
G22-846	TRMJ130	130-158	330	2-1/16"	4-3/8"	**21.99**
G21-955	TRMJ145	145-174	330	2-1/16"	4-3/8"	**25.49**
G22-847	TRMJ161	161-193	330	2-1/16"	4-3/8"	**26.49**
G22-848	TRMJ189	189-227	330	2-1/16"	4-3/8"	**28.49**
G22-849	TRMJ216	216-259	330	2-9/16"	4-3/8"	**29.99**
G33-068	TRMJ270	270-324	330	2-9/16"	4-3/8"	**34.99**
G31-849	TRMJ300	300-360	330	2-9/16"	4-3/8"	**55.00**

15,000 OHM, 2 Watt Resistor

- Bleed resistors quickly bleed down charge on start capacitors
- Helps prevent the capacitor charge from discharging through the relay contacts

following a short running cycle on compressors



Order #	Description	Each
G32-082	2 Watt Resistor (10-Pk.)	**59.00**

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Titan FX Multi-Rated Capacitors

- Special segmented film eliminates catastrophic failure
- Quick connect terminals
- Comes with marking pen, jumper wires and instructions



A B C D E

Fig.	Order #	Mfg. #	Mfd	Volts	Diam.	Height	Width	Depth	Each	3 Lot
A	**G38-080**	TFX17.5	2.5/5/10	440/370	2.5"	5.375"	2.75"	3"	**69.00**	**65.00**
B	**G38-081**	TFX45	5/10/30	440/370	2.5"	6.375"	2.75"	3"	**135.00**	**125.00**
C	**G38-082**	TFX50	5/10/35	440/370	2.5"	6.875"	2.75"	3"	**139.00**	**135.00**
D	**G38-083**	TFX60	5/25/30	440/370	2.5"	7.375"	2.75"	3"	**149.00**	**145.00**
E	**G38-084**	TFX65	5/10/50	440/370	2.5"	8.375"	2.75"	3"	**159.00**	**155.00**

Turbo™ 200 Universal Replacement Run Capacitors

- Replace more than 200 different motor-run capacitors
- Patented technique allows a metallized film capacitor to be tapped with a built-in common connection eliminating the necessity of separate capacitors
- Protected to 10,000 AFC



Order #	Mfg. #	Description	Mfd	Volts	Diam.	Height	Width	Depth	Each	3 Lot
G33-038	12100	Turbo200Mini	2.5 to 12.5	370VAC or 440VAC	1-3/4"	2-5/16"	2-1/5"	2-1/9"	**27.99**	**26.49**
G33-036	12200	Turbo200	2.5 to 67.5	370VAC or 440VAC	2-1/2"	4-1/2"	2-4/5"	2-4/5"	**175.00**	**169.00**
G33-037	12300	Turbo200X	70 to 97.5	370VAC or 440VAC	2-1/2"	5"	3"	2-5/7"	**249.00**	**239.00**

RESCUE® Multi-Capacitor

- Designed For Use With RESCUE® Motors
- Provides the following capacitance values: 2.5µF / 5.0µF / 7.5µF / 10.0µF / 12.5µF / 15.0µF / 20.0µF
- 370VAC or 440VAC 50/60Hz
- -40°C to +70°C Per EIA Spec #456
- Industrial Grade Universal Motor-Run Capacitor



Order #	Mfg. #	Mfd	Volts	Each	5 Lot	10 Lot
G37-993	RC20	2.5-20	440/370	**44.49**	**41.99**	**39.99**

Titan PRO 370™ Dual Rated Motor Run Capacitors

Oval

- Non-PCB dielectric fluid
- For continuous heavy-duty applications such as air conditioning, refrigeration, business machines and fans



Order #	Mfd	Volts	Height	Width	Depth	Each	3 Lot
370VAC Oval							
G32-438	15/3	370	2-5/8"	1-29/32"	2-29/32"	**19.99**	**18.99**
G22-718	15/5	370	2-5/8"	1-29/32"	2-29/32"	**20.99**	**19.99**
G21-911	25/5	370	3"	1-29/32"	2-29/32"	**29.49**	**28.49**
G22-829	30/5	370	3"	1-29/32"	2-29/32"	**31.49**	**29.99**

Order #	Mfd	Volts	Height	Width	Depth	Each	3 Lot
G32-152	35/3	370	3-3/4"	1-29/32"	2-29/32"	**33.49**	**31.49**
G21-912	35/5	370	3-3/4"	1-29/32"	2-29/32"	**29.49**	**27.99**
G21-914	40/5	370	3-3/4"	1-29/32"	2-29/32"	**37.99**	**35.99**
G32-340	45/5	370	3-3/4"	2-29/32"	1-29/32"	**37.99**	**35.99**

Titan PRO™ Dual Rated Motor Run Capacitors



Oval

- 60,000 hour reliability
- 440/370V, 50/60 Hz
- Metalized polypropylene film
- Proprietary Epoxidized Soybean Oil (ESO)
- UL and CUL
- -40° C to 70° C operating temperature
- Rated from 240V to 660V
- Aluminum case
- Meets EIA-456A industry standards

Order #	Mfg. #	Mfd	Volts	Each	5 Lot
440/370VAC - Dual Oval					
G36-278	TOCFD154	15/4	440/370	**28.49**	**26.99**
G36-286	TOCFD3075	30/7.5	440/370	**34.99**	**32.99**
G36-279	TOCFD155	15/5	440/370	**23.99**	**22.49**
G36-280	TOCFD2015	20/15	440/370	**26.99**	**25.49**
G36-282	TOCFD255	25/5	440/370	**25.99**	**24.49**
G36-281	TOCFD2510	25/10	440/370	**25.99**	**24.49**
G36-284	TOCFD304	30/4	440/370	**41.49**	**39.49**
G36-285	TOCFD305	30/5	440/370	**26.49**	**24.99**
G36-287	TOCFD353	35/3	440/370	**29.99**	**28.49**
G36-488	TOCFD354	35/4	440/370	**34.99**	**32.99**

Order #	Mfg. #	Mfd	Volts	Each	5 Lot
G36-288	TOCFD355	35/5	440/370	**32.99**	**31.49**
G36-289	TOCFD3575	35/7.5	440/370	**33.49**	**31.49**
G36-283	TOCFD2575	25/7.5	440/370	**28.49**	**26.99**
G36-290	TOCFD405	40/5	440/370	**35.99**	**33.99**
G36-291	TOCFD4075	40/7.5	440/370	**38.49**	**36.49**
G36-292	TOCFD455	45/5	440/370	**38.99**	**36.99**
G36-293	TOCFD505	50/5	440/370	**43.49**	**41.49**
G36-295	TOCFD555	55/5	440/370	**46.49**	**43.99**
G36-294	TOCFD5510	55/10	440/370	**55.00**	**53.00**
G36-296	TOCFD605	60/5	440/370	**55.00**	**48.99**

Titan HD™ Dual Rated Motor Run Capacitors



Oval

Applications:
- Designed for continuous heavy-duty applications such as air conditioning, refrigeration, business machines and fans

Features:
- Aluminum case construction
- 60,000 hours operation life
- Capacitance stability ±3% throughout life
- Environmentally friendly patented non-PCB Epoxidized Soybean-oil®
- Self-clearing metalized polypropylene film
- Patented pressure interrupter meets UL810 requirements
- Case sizes approximate; dimensions may vary
- Height dimension does not include terminals; add 1/2" for terminals

Order #	Mfd	Volts	Height	Width	Depth	Each	3 Lot
370VAC Dual - Oval							
G35-227	15/3	370	2.38"	2.75"	1.75"	**47.49**	**45.49**
G35-228	15/4	370	2.38"	2.75"	1.75"	**45.99**	**43.49**
G35-229	15/5	370	2.38"	2.75"	1.75"	**44.49**	**41.99**
G35-226	15/10	370	2.38"	2.75"	1.75"	**49.99**	**47.49**
G35-230	17.5/5	370	2.38"	2.75"	1.75"	**47.99**	**45.99**
G35-234	20/4	370	2.38"	2.75"	1.75"	**55.00**	**47.99**
G35-235	20/5	370	2.38"	2.75"	1.75"	**46.99**	**44.49**
G35-231	20/10	370	2.75"	2.75"	1.75"	**47.99**	**45.49**
G35-232	20/15	370	2.75"	2.75"	1.75"	**47.49**	**45.49**
G35-238	25/3	370	2.75"	2.75"	1.75"	**55.00**	**53.00**
G35-239	25/4	370	2.75"	2.75"	1.75"	**55.00**	**49.49**
G35-240	25/5	370	2.75"	2.75"	1.75"	**46.49**	**43.99**
G35-241	25/7.5	370	2.753"	2.75"	1.75"	**59.00**	**55.00**
G35-242	25/8	370	2.75"	2.75"	1.75"	**65.00**	**59.00**
G35-236	25/10	370	2.75"	2.75"	1.75"	**55.00**	**49.49**
G35-237	25/15	370	3.25"	2.75"	1.75"	**75.00**	**69.00**
G35-245	30/3	370	3.25"	2.75"	1.75"	**59.00**	**55.00**
G35-246	30/5	370	2.75"	2.75"	1.75"	**47.99**	**45.49**
G35-247	30/7.5	370	3.25"	2.75"	1.75"	**59.00**	**57.00**
G35-244	30/10	370	3.25"	2.75"	1.75"	**65.00**	**59.00**
G35-249	35/3	370	3.25"	2.75"	1.75"	**65.00**	**59.00**
G35-250	35/4	370	3.25"	2.75"	1.75"	**79.00**	**75.00**
G35-251	35/5	370	3.25"	2.75"	1.75"	**55.00**	**53.00**
G35-252	35/7.5	370	3.25"	2.75"	1.75"	**65.00**	**59.00**
G35-248	35/10	370	3.25"	2.75"	1.75"	**149.00**	**139.00**
G35-254	40/3	370	3.75"	2.75"	1.75"	**65.00**	**62.00**
G35-255	40/4	370	3.75"	2.75"	1.75"	**65.00**	**62.00**
G35-256	40/5	370	3.75"	2.75"	1.75"	**65.00**	**59.00**
G35-257	40/7.5	370	3.75"	2.75"	1.75"	**69.00**	**65.00**
G35-253	40/10	370	3.75"	2.75"	1.75"	**69.00**	**66.00**
G35-260	45/5	370	3.75"	2.75"	1.75"	**65.00**	**62.00**
G35-261	45/7.5	370	4.25"	2.75"	1.75"	**69.00**	**65.00**
G35-258	45/10	370	4.25"	2.75"	1.75"	**75.00**	**72.00**
G35-259	45/15	370	4.25"	2.75"	1.75"	**75.00**	**69.00**

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Order #	Mfd	Volts	Height	Width	Depth	Each	3 Lot
G35-262	50/5	370	4.25"	2.75"	1.75"	**79.00**	**75.00**
G35-263	55/5	370	4.25"	2.75"	1.75"	**75.00**	**69.00**
G35-264	55/7.5	370	4.25"	2.75"	1.75"	**85.00**	**79.00**
G35-266	60/5	370	4.25"	2.75"	1.75"	**75.00**	**72.00**
G35-267	60/7.5	370	3.75"	3.50"	2.00"	**79.00**	**75.00**
G35-265	60/10	370	4.25"	2.75"	1.75"	**89.00**	**85.00**
440VAC Dual - Oval							
G35-291	10/5	440	2.38"	2.75"	1.75"	**55.00**	**47.99**
G35-293	15/4	440	2.38"	2.75"	1.75"	**43.99**	**41.49**
G35-294	15/5	440	2.75"	2.75"	1.75"	**46.99**	**44.99**
G35-292	15/10	440	2.75"	2.75"	1.75"	**55.00**	**53.00**
G35-296	20/5	440	2.75"	2.75"	1.75"	**59.00**	**55.00**
G35-295	20/15	440	3.75"	2.75"	1.75"	**65.00**	**62.00**
G35-299	25/5	440	3.25"	2.75"	1.75"	**55.00**	**53.00**
G35-300	25/7.5	440	3.75"	2.75"	1.75"	**65.00**	**59.00**
G35-297	25/10	440	3.25"	2.75"	1.75"	**69.00**	**65.00**
G35-298	25/15	440	3.75"	2.75"	1.75"	**69.00**	**65.00**
G35-302	30/4	440	3.75"	2.75"	1.75"	**69.00**	**65.00**
G35-303	30/5	440	3.75"	2.75"	1.75"	**65.00**	**62.00**
G35-304	30/7.5	440	3.75"	2.75"	1.75"	**69.00**	**66.00**
G35-301	30/10	440	3.75"	2.75"	1.75"	**75.00**	**69.00**
G35-306	35/3	440	4.25"	2.75"	1.75"	**65.00**	**59.00**
G35-307	35/4	440	3.75"	2.75"	1.75"	**69.00**	**65.00**
G35-308	35/5	440	4.25"	3.50"	2.00"	**65.00**	**62.00**
G35-309	35/7.5	440	4.25"	2.75"	1.75"	**69.00**	**65.00**
G35-305	35/10	440	4.25"	2.75"	1.75"	**75.00**	**72.00**
G35-311	40/3	440	4.75"	2.75"	1.75"	**65.00**	**59.00**
G35-312	40/5	440	4.75"	2.75"	1.75"	**75.00**	**69.00**
G35-313	40/7.5	440	4.25"	3.50"	2.00"	**79.00**	**75.00**
G35-310	40/10	440	4.25"	2.75"	1.75"	**69.00**	**65.00**
G35-314	45/5	440	4.75"	3.50"	2.00"	**75.00**	**69.00**
G35-315	45/7.5	440	4.75"	3.50"	2.00"	**79.00**	**75.00**
G35-316	50/5	440	5.88"	3.50"	2.00"	**85.00**	**79.00**
G35-317	50/7.5	440	4.75"	3.50"	2.00"	**95.00**	**89.00**
G35-319	55/5	440	5.88"	3.50"	2.00"	**85.00**	**82.00**
G35-318	55/10	440	5.88"	3.50"	2.00"	**89.00**	**85.00**
G35-320	60/5	440	5.88"	3.50"	2.00"	**105.00**	**99.00**
G35-321	65/10	440	5.88"	3.50"	2.00"	**109.00**	**105.00**
G35-322	80/5	440	5.88"	3.50"	2.00"	**125.00**	**119.00**
G35-323	80/7.5	440	5.88"	3.50"	2.00"	**129.00**	**125.00**

Help Maximize your Capacitor Life

In order to maximize capacitor and motor/compressor life, remember:

- Use the microfarad rating specified
- A higher-voltage rating can be used
  - Never use a lower voltage rating
  - Capacitor life will be exceeded if operating capacitor volts measure higher than rated
- Be certain electrical connections are rust and corrosion free
- Actual capacitance = (2653 x Capacitor Amps) Capacitor Volts
- A 6-7°C (@44°F) change in capacitor case temperature changes capacitor life by about 50%
  - Do not wrap the capacitor in tape
  - Do not install the capacitor in its box
  - Mount the capacitor in the coolest location
- STAY SAFE! Discharge capacitors using a 2 Watt, 15,000 Ohm bleed resistor
  - Permanently attach a bleed resister to start capacitors

TITAN PRO 370™



Titan PRO™ Motor Run Capacitors

Oval

- Non-PCB dielectric fluid
- Pressure-activated circuit interrupter virtually eliminates case rupture at end of life
- For continuous heavy-duty application such as air conditioning, refrigeration, business machines, fans, light ballasts, etc.
- Seamless steel cases
- 1/4", four-blade quick disconnect terminal with phenolic insulated caps
- Dimensions may vary due to manufacturing changes; dimensions shown are for reference only

Order #	Mfd	Volts	Height	Width	Depth	Each	3 Lot
370VAC Oval							
G21-922	3	370	2-5/8"	1-5/16"	2-5/32"	**6.55**	**6.25**
G22-815	2	370	2-5/8"	1-5/16"	2-5/32"	**6.29**	**5.99**
G21-928	4	370	2-5/8"	1-5/16"	2-5/32"	**6.69**	**6.35**
G21-930	5	370	1-1/2"	1-1/4"	2"	**6.69**	**6.35**
G21-932	6	370	2-5/8"	1-5/16"	2-5/32"	**7.85**	**7.45**
G21-933	7.5	370	2-3/8"	1-5/16"	2-5/32"	**8.35**	**7.89**
G21-891	10	370	2-5/8"	1-5/16"	2-5/32"	**8.85**	**8.39**
G22-730	12.5	370	3"	1-5/16"	2-5/32"	**12.49**	**11.99**
G21-897	15	370	3-3/4"	1-5/16"	2-5/32"	**13.49**	**12.49**
G21-904	17.5	370	3-3/4"	1-5/16"	2-5/32"	**15.49**	**14.49**

Order #	Mfd	Volts	Height	Width	Depth	Each	3 Lot
G21-909	20	370	2-5/8"	1-29/32"	2-29/32"	**15.49**	**14.99**
G21-913	25	370	2-5/8"	1-29/32"	2-29/32"	**16.49**	**15.99**
G21-917	30	370	3"	1-29/32"	2-29/32"	**20.99**	**19.99**
G21-921	35	370	3-3/4"	1-29/32"	2-29/32"	**22.99**	**21.99**
G21-924	40	370	3-3/4"	1-29/32"	2-29/32"	**28.49**	**27.49**
G21-927	45	370	3-3/4"	1-29/32"	2-29/32"	**31.49**	**29.99**
G22-816	50	370	4-3/4"	1-29/32"	2-29/32"	**33.49**	**31.99**
G32-143	55	370	4-3/4"	1-29/32"	2-29/32"	**37.99**	**35.99**
G32-144	60	370	5-1/4"	1-29/32"	2-29/32"	**39.49**	**37.49**
G33-072	80	370	4-3/4"	1-29/32"	2-29/32"	**65.00**	**59.00**

TITAN PRO™



Titan PRO™ Motor Run Capacitors

Oval

- 60,000 hour reliability
- 440/370V, 50/60 Hz
- Metalized polypropylene film
- Proprietary Epoxidized Soybean Oil (ESO)
- UL and CUL
- -40° C to 70° C operating temperature
- Rated from 240V to 660V
- Aluminum case
- Meets EIA-456A industry standards

Order #	Mfg. #	Mfd	Volts	Each	5 Lot
440/370VAC – Oval					
G36-257	TOCF2	2	440/370	**6.85**	**6.55**
G36-258	TOCF2.5	2.5	440/370	**8.65**	**8.25**
G36-259	TOCF3	3	440/370	**6.79**	**6.45**
G36-260	TOCF4	4	440/370	**6.85**	**6.55**
G36-261	TOCF5	5	440/370	**6.85**	**6.55**
G36-262	TOCF6	6	440/370	**8.45**	**7.99**
G36-263	TOCF7.5	7.5	440/370	**8.85**	**8.45**
G36-264	TOCF10	10	440/370	**10.49**	**9.89**
G36-265	TOCF12.5	12.5	440/370	**12.49**	**11.99**
G36-266	TOCF15	15	440/370	**12.99**	**12.49**
G36-267	TOCF17.5	17.5	440/370	**14.99**	**13.99**

Order #	Mfg. #	Mfd	Volts	Each	5 Lot
G36-268	TOCF20	20	440/370	**14.99**	**13.99**
G36-269	TOCF25	25	440/370	**18.49**	**17.49**
G36-271	TOCF30	30	440/370	**19.99**	**18.99**
G36-272	TOCF35	35	440/370	**22.99**	**21.99**
G36-273	TOCF40	40	440/370	**24.99**	**23.49**
G36-274	TOCF45	45	440/370	**25.49**	**23.99**
G36-275	TOCF50	50	440/370	**32.99**	**30.99**
G36-276	TOCF55	55	440/370	**34.99**	**32.99**
G36-277	TOCF60	60	440/370	**36.49**	**34.49**
480VAC – Oval					
G36-270	TOCF25A	25	480	**29.99**	**28.49**



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Titan HD™ Motor Run Capacitors

Oval

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- Designed for continuous heavy-duty applications such as air conditioning, refrigeration, business machines and fans

Features:
- Aluminum case construction
- 60,000 hours operation life
- Capacitance stability ±3% throughout life
- Environmentally friendly patented non-PCB Epoxidized Soybean-oil®
- Self-clearing metalized polypropylene film
- Patented pressure interrupter meets UL810 requirements
- Can sizes approximate; dimensions may vary
- Height dimension does not include terminals; add 1/2" for terminals



Order #	Mfg. #	Mfd	Volts	Height	Width	Depth	Each	3 Lot
370VAC - Oval								
G35-211	POC2A	2	370	1.50"	2.00"	1.25"	**19.99**	**18.99**
G35-214	POC3A	3	370	1.56"	2.00"	1.25"	**17.99**	**16.99**
G35-217	POC4A	4	370	1.50"	2.00"	1.25"	**16.49**	**15.49**
G35-220	POC5A	5	370	1.56"	2.00"	1.25"	**14.49**	**13.99**
G35-222	POC6A	6	370	1.50"	2.00"	1.25"	**95.00**	**89.00**
G35-223	POC7.5A	7.5	370	1.56"	2.00"	1.25"	**16.99**	**15.99**
G35-205	POC10A	10	370	1.56"	2.00"	1.25"	**19.99**	**18.99**
G35-206	POC12.5A	12.5	370	2.88"	2.00"	1.25"	**24.99**	**23.99**
G35-207	POC15A	15	370	3.25"	2.00"	1.25"	**27.49**	**25.99**
G35-208	POC17.5A	17.5	370	2.75"	2.75"	1.75"	**32.99**	**31.49**
G35-209	POC20A	20	370	2.75"	2.75"	1.75"	**27.49**	**25.99**
G35-210	POC25A	25	370	2.75"	2.75"	1.75"	**30.99**	**29.49**
G35-212	POC30A	30	370	3.13"	2.75"	1.75"	**36.49**	**34.99**
G35-213	POC35A	35	370	3.13"	2.75"	1.75"	**39.49**	**37.49**
G35-215	POC40A	40	370	3.88"	2.75"	1.75"	**43.49**	**40.99**
G35-216	POC45A	45	370	3.88"	2.75"	1.75"	**47.99**	**45.49**
G35-218	POC50A	50	370	3.88"	2.75"	1.75"	**55.00**	**53.00**
G35-219	POC55A	55	370	3.88"	2.75"	1.75"	**65.00**	**59.00**
G35-221	POC60A	60	370	2.75"	3.50"	2.00"	**69.00**	**65.00**
G35-224	POC70A	70	370	3.25"	3.50"	2.00"	**65.00**	**62.00**
G35-225	POC80A	80	370	3.25"	3.50"	2.00"	**79.00**	**75.00**

Order #	Mfg. #	Mfd	Volts	Height	Width	Depth	Each	3 Lot
440VAC - Oval								
G35-276	POCF2A	2	440	1.56"	2.00"	1.25"	**20.49**	**19.49**
G35-272	POCF2.5A	2.5	440	1.56"	2.00"	1.25"	**21.49**	**20.49**
G35-279	POCF3A	3	440	1.56"	2.00"	1.25"	**19.49**	**18.49**
G35-282	POCF4A	4	440	2.19"	2.00"	1.25"	**19.49**	**18.49**
G35-285	POCF5A	5	440	1.56"	2.00"	1.25"	**18.49**	**17.49**
G35-287	POCF6A	6	440	2.69"	2.00"	1.25"	**22.99**	**21.99**
G35-288	POCF7.5A	7.5	440	1.56"	2.00"	1.25"	**20.99**	**19.99**
G35-268	POCF10A	10	440	2.88"	2.00"	1.25"	**23.49**	**22.49**
G35-269	POCF12.5A	12.5	440	2.75"	2.75"	1.75"	**28.49**	**26.99**
G35-270	POCF15A	15	440	2.75"	2.75"	1.75"	**28.99**	**27.49**
G35-271	POCF17.5A	17.5	440	3.13"	2.75"	1.75"	**34.49**	**32.99**
G35-273	POCF20A	20	440	2.75"	2.75"	1.75"	**31.99**	**29.99**
G35-274	POCF25B	25	440	3.88"	2.75"	1.75"	**37.99**	**35.99**
G35-277	POCF30A	30	440	3.88"	2.75"	1.75"	**39.99**	**37.99**
G35-278	POCF35A	35	440	4.25"	2.75"	1.75"	**45.99**	**43.99**
G35-280	POCF40A	40	440	4.25"	2.75"	1.75"	**46.99**	**44.99**
G35-281	POCF45A	45	440	4.75"	2.75"	1.75"	**55.00**	**48.99**
G35-283	POCF50A	50	440	3.25"	3.50"	2.00"	**65.00**	**59.00**
G35-284	POCF55A	55	440	3.25"	3.50"	2.00"	**65.00**	**62.00**
G35-286	POCF60A	60	440	3.75"	3.50"	2.00"	**85.00**	**79.00**
G35-289	POCF70A	70	440	4.75"	3.50"	2.00"	**89.00**	**85.00**
G35-290	POCF80A	80	440	4.75"	3.50"	2.00"	**109.00**	**105.00**

Titan PRO™ Motor Run Capacitors

Round

- For continuous, heavy-duty applications such as air conditioning, refrigeration, business machines and fans
- Non-PCB dielectric fluid
- Case sizes approximate, dimensions may vary



Order #	Mfd	Volts	Diam.	Height	Each	3 Lot
370VAC Round						
G31-787	5	370	1-1/2"	2-5/8"	**6.99**	**6.65**
G31-788	7.5	370	1-1/2"	2-5/8"	**9.95**	**9.45**
G31-789	10	370	1-1/2"	3-5/32"	**12.49**	**11.49**
G32-158	12.5	370	2-1/16"	2-11/16"	**12.99**	**12.49**
G31-790	15	370	1-1/2"	3-5/8"	**13.99**	**13.49**
G32-159	17.5	370	2-1/16"	2-11/16"	**15.49**	**14.99**
G31-791	20	370	1-3/4"	3-5/32"	**13.99**	**13.49**
G31-792	25	370	1-3/4"	3-5/8"	**14.99**	**14.49**
G31-793	30	370	1-3/4"	4-1/8"	**19.99**	**18.99**

Order #	Mfd	Volts	Diam.	Height	Each	3 Lot
G31-794	35	370	1-3/4"	4-5/8"	**22.99**	**21.99**
G31-795	40	370	1-3/4"	5-1/8"	**24.99**	**23.49**
G32-160	45	370	2-1/16"	4-1/2"	**27.49**	**26.49**
G32-161	50	370	2-1/16"	4-1/2"	**30.49**	**28.99**
G31-796	55	370	2"	5-1/8"	**33.49**	**31.99**
G32-346	60	370	2"	4-3/4"	**35.49**	**33.99**
G36-490	65	370	2"	4-3/4"	**39.49**	**37.49**
G32-162	70	370	2-1/16"	4-1/2"	**41.49**	**39.49**
G32-467	80	370	2"	4-3/4"	**46.99**	**44.99**
G36-489	100	370	2"	4-3/4"	**65.00**	**59.00**

General Purpose Capacitor Mounting Kits

- Kits include strap, screws and terminal boot
- For use with oval run capacitors


A


B


C

Fig.	Order #	Mfg. #	Description	Each
A		A100	Strap Type	
A	**S58-240**	KIT-100	Strap Type	**23.49**
B	**S58-521**	—	Tie Rod	**7.69**
C	**S58-696**	—	Plastic Cover (Screw)	**16.99**

Capacitor Brackets

For Round or Oval Capacitors

- 5 per package


A


B

Fig.	Order #	Width	Depth	Each
For Oval Capacitors				
A	**S58-977**	1-5/16"	2-5/32"	**29.99**
A	**S58-978**	1-29/32"	2-29/32"	**35.99**

Fig.	Order #	Width	Depth	Each
A	**S58-979**	1-31/32"	3-21/32"	**36.99**
For Round Capacitors				
B	**S58-980**	5/16"	2-5/32"	**36.49**

Fig.	Order #	Width	Depth	Each
B	**S58-981**	29/32"	2-29/32"	**35.99**
B	**S58-982**	31/32"	3-21/32"	**44.49**

Capacitor Shelf



- Frees up space inside crowded condensing units
- Rugged, molded plastic construction
- Fits most size capacitors
- Cable ties included
- Magnetic mount

Order #	Mfg. #	Each
G37-733	CSWM1	**65.00**

Titan PRO™ Motor Run Capacitors

Round



- 60,000 hour reliability
- 440/370V, 50/60 Hz
- Metalized polypropylene film
- Proprietary Epoxidized Soybean Oil (ESO)
- UL and CUL
- -40° C to 70° C operating temperature
- Rated from 240V to 660V
- Aluminum case
- Meets EIA-456A industry standards

Order #	Mfg. #	Mfd	Volts	Each	5 Lot
440/370VAC-Round					
G36-297	TRCF5	5	440/370	**6.29**	**5.99**
G36-298	TRCF7.5	7.5	440/370	**9.05**	**8.59**
G36-299	TRCF10	10	440/370	**9.59**	**9.09**
G36-300	TRCF12.5	12.5	440/370	**9.99**	**9.49**
G36-301	TRCF15	15	440/370	**11.49**	**10.99**
G36-302	TRCF17.5	17.5	440/370	**13.99**	**13.49**
G36-303	TRCF20	20	440/370	**14.49**	**13.99**
G36-304	TRCF25	25	440/370	**17.49**	**16.49**

Order #	Mfg. #	Mfd	Volts	Each	5 Lot
G36-305	TRCF30	30	440/370	**19.99**	**18.99**
G36-306	TRCF35	35	440/370	**21.99**	**20.99**
G36-307	TRCF40	40	440/370	**25.49**	**23.99**
G36-308	TRCF45	45	440/370	**28.49**	**26.99**
G36-309	TRCF50	50	440/370	**30.49**	**28.99**
G36-310	TRCF55	55	440/370	**33.49**	**31.49**
G36-311	TRCF60	60	440/370	**35.49**	**33.99**
G36-312	TRCF70	70	440/370	**36.49**	**34.49**
G36-313	TRCF80	80	440/370	**45.99**	**43.99**

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Titan HD™ Motor Run Capacitors

Round

TITAN HD™

Applications:
- Designed for continuous heavy-duty applications such as air conditioning, refrigeration, business machines and fans

Features:
- Aluminum case construction
- 60,000 hours operation life
- Capacitance stability ±3% throughout life
- Environmentally friendly patented non-PCB Epoxidized Soybean-oil®
- Self-clearing metalized polypropylene film
- Patented pressure interrupter meets UL810 requirements
- Case sizes approximate; dimensions may vary
- Height dimension does not include terminals; add 1/2" for terminals



Order #	Mfd	Volts	Diam.	Height	Each	3 Lot
370VAC - Round						
G35-340	5	370	1.75"	2.75"	**19.99**	**18.99**
G35-342	7.5	370	1.75"	2.75"	**22.99**	**21.99**
G35-325	10	370	1.75"	2.75"	**18.99**	**17.99**
G35-326	12.5	370	1.75"	2.75"	**23.49**	**22.49**
G35-327	15	370	1.75"	2.75"	**24.49**	**23.49**
G35-329	17.5	370	1.75"	2.75"	**30.49**	**28.99**
G35-330	20	370	1.75"	3.25"	**29.99**	**28.49**
G35-331	25	370	1.75"	3.25"	**30.99**	**29.49**
G35-332	30	370	2.00"	2.75"	**36.49**	**34.49**
G35-334	31.5	370	2.00"	2.75"	**48.99**	**46.49**
G35-335	35	370	2.00"	3.75"	**40.49**	**38.49**
G35-336	40	370	2.00"	3.75"	**42.49**	**40.49**
G35-337	45	370	2.00"	3.75"	**49.99**	**47.49**
G35-338	50	370	1.75"	3.75"	**49.99**	**47.49**
G35-339	55	370	2.00"	4.25"	**40.49**	**38.49**
G35-341	60	370	2.00"	4.75"	**55.00**	**53.00**
G35-343	70	370	2.00"	5.25"	**125.00**	**119.00**
G35-344	80	370	2.00"	4.75"	**99.00**	**95.00**
G35-324	100	370	2.50"	5.88"	**135.00**	**125.00**

Order #	Mfd	Volts	Diam.	Height	Each	3 Lot
440VAC - Round						
G35-393	5	440	1.75"	2.25"	**24.49**	**23.49**
G35-395	7.5	440	1.75"	2.75"	**26.99**	**25.49**
G35-381	10	440	1.75"	2.75"	**24.49**	**23.49**
G35-382	12.5	440	1.75"	2.75"	**28.99**	**27.49**
G35-383	15	440	1.75"	3.25"	**28.49**	**26.99**
G35-384	17.5	440	1.75"	3.25"	**33.49**	**31.99**
G35-385	20	440	1.75"	3.75"	**31.99**	**30.49**
G35-386	25	440	1.75"	4.25"	**37.99**	**35.99**
G35-387	30	440	2.00"	3.75"	**44.49**	**41.99**
G35-388	35	440	2.00"	4.25"	**47.99**	**45.49**
G35-389	40	440	2.00"	4.25"	**55.00**	**53.00**
G35-390	45	440	2.00"	4.75"	**65.00**	**59.00**
G35-391	50	440	2.00"	5.25"	**69.00**	**65.00**
G35-392	55	440	2.00"	5.25"	**75.00**	**69.00**
G35-394	60	440	2.00"	5.25"	**85.00**	**79.00**
G35-396	70	440	2.50"	4.25"	**99.00**	**95.00**
G35-397	80	440	2.50"	4.25"	**79.00**	**75.00**
G35-398	90	440	2.50"	5.88"	**89.00**	**85.00**

Titan PRO™ Motor Run Capacitors

Round

TITAN PRO 370™

- For continuous, heavy-duty applications such as air conditioning, refrigeration, business machines and fans
- Case sizes approximate, dimensions may vary



Order #	Mfd	Volts	Diam.	Height	Each	3 Lot
370VAC-Dual Round						
G33-075	25/3	370	2"	3-1/2"	**29.99**	**28.49**
G32-453	25/4	370	2"	3-1/2"	**32.49**	**30.49**
G32-454	25/5	370	2"	4-1/4"	**21.99**	**20.99**
G33-076	30/3	370	2"	4-1/4"	**30.49**	**28.99**
G34-855	30/4	370	2"	4-1/4"	**34.99**	**32.99**
G32-455	30/5	370	2"	4-1/4"	**31.49**	**29.99**
G33-077	35/3	370	2"	4-1/4"	**34.49**	**32.99**
G32-347	35/5	370	2"	4"	**31.49**	**29.99**
G34-856	35/7.5	370	2"	4-3/4"	**35.99**	**33.99**
G34-857	40/3	370	2"	4-3/4"	**41.49**	**39.49**
G32-456	40/5	370	2"	4-3/4"	**35.99**	**34.49**
G32-457	40/7.5	370	2"	4-3/4"	**39.49**	**37.49**
G32-098	45/5	370	2"	4-13/16"	**35.49**	**33.99**

Order #	Mfd	Volts	Diam.	Height	Each	3 Lot
G34-859	45/7.5	370	2"	4-3/4"	**40.99**	**38.49**
G32-458	50/5	370	2"	5-1/4"	**42.49**	**40.49**
G32-459	50/10	370	2"	5-1/4"	**44.99**	**42.99**
G34-860	50/7.5	370	2"	5-1/4"	**47.99**	**45.49**
G32-460	55/5	370	2-1/2"	4-3/4"	**42.99**	**40.99**
G32-461	55/7.5	370	2-1/2"	4-3/4"	**45.49**	**42.99**
G32-463	60/5	370	2-1/2"	5-1/4"	**65.00**	**59.00**
G32-464	60/7.5	370	2-1/2"	5-1/4"	**44.49**	**42.49**
G34-861	70/5	370	2-1/2"	5-1/4"	**75.00**	**69.00**
G34-862	70/7.5	370	2-1/2"	5-1/4"	**79.00**	**75.00**
G32-465	80/5	370	2-1/2"	5-1/4"	**65.00**	**62.00**
G32-466	80/7.5	370	2-1/2"	5-1/4"	**85.00**	**82.00**
G33-078	80/10	370	2-1/2"	5-1/4"	**95.00**	**89.00**

TITAN PRO™



Titan PRO™ Dual Rated Motor Run Capacitors

Round

- 60,000 hour reliability
- 440/370V, 50/60 Hz
- Metalized polypropylene film
- Proprietary Epoxidized Soybean Oil (ESO)
- UL and CUL
- -40° C to 70° C operating temperature
- Rated from 240V to 660V
- Aluminum case
- Meets EIA-456A industry standards

Order #	Mfg. #	Mfd	Volts	Each	5 Lot
440/370VAC-Dual Round					
G36-314	TRCFD2015	20/15	440/370	**30.49**	**28.99**
G36-315	TRCFD205	20/5	440/370	**30.49**	**28.99**
G36-316	TRCFD2515	25/15	440/370	**29.49**	**27.99**
G36-317	TRCFD255	25/5	440/370	**20.99**	**19.99**
G36-491	TRCFD303	30/3	440/370	**27.99**	**26.49**
G36-318	TRCFD305	30/5	440/370	**24.99**	**23.49**
G36-319	TRCFD3075	30/7.5	440/370	**27.49**	**25.99**
G36-320	TRCFD353	35/3	440/370	**32.49**	**30.99**
G36-321	TRCFD354	35/4	440/370	**33.99**	**31.99**
G36-322	TRCFD355	35/5	440/370	**23.99**	**22.99**
G36-323	TRCFD3575	35/7.5	440/370	**31.49**	**29.99**
G36-324	TRCFD403	40/3	440/370	**36.99**	**35.49**
G36-325	TRCFD405	40/5	440/370	**27.99**	**26.49**
G36-326	TRCFD4075	40/7.5	440/370	**28.99**	**27.49**
G36-327	TRCFD453	45/3	440/370	**30.49**	**28.99**

Order #	Mfg. #	Mfd	Volts	Each	5 Lot
G36-328	TRCFD455	45/5	440/370	**29.99**	**28.49**
G36-329	TRCFD4575	45/7.5	440/370	**34.99**	**33.49**
G38-067	TRCFD503	50/3	440/370	**41.99**	**39.99**
G36-330	TRCFD505	50/5	440/370	**32.49**	**30.99**
G36-331	TRCFD5075	50/7.5	440/370	**33.49**	**31.99**
G36-332	TRCFD555	55/5	440/370	**33.49**	**31.99**
G36-333	TRCFD5575	55/7.5	440/370	**35.99**	**33.99**
G36-334	TRCFD6010	60/10	440/370	**43.99**	**41.99**
G36-335	TRCFD605	60/5	440/370	**45.49**	**42.99**
G36-336	TRCFD6075	60/7.5	440/370	**46.49**	**44.49**
G36-337	TRCFD705	70/5	440/370	**59.00**	**55.00**
G36-338	TRCFD7075	70/7.5	440/370	**65.00**	**59.00**
G36-339	TRCFD8010	80/10	440/370	**79.00**	**75.00**
G36-340	TRCFD805	80/5	440/370	**75.00**	**69.00**
G36-341	TRCFD8075	80/7.5	440/370	**75.00**	**72.00**

PROVIDING YOU UNIVERSAL TRUCK STOCK OPTIONS

Ask About Our Replenishment Programs Today!



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Titan HD™ Dual Rated Motor Run Capacitors

Round

TITAN HD™

Applications:
- Designed for continuous heavy-duty applications such as air conditioning, refrigeration, business machines and fans

Features:
- Aluminum case construction
- 60,000 hours operation life
- Capacitance stability ±3% throughout life
- Environmentally friendly patented non-PCB Epoxidized Soybean-oil®
- Self-clearing metalized polypropylene film
- Patented pressure interrupter meets UL810 requirements
- Case sizes approximate; dimensions may vary
- Height dimension does not include terminals; add 1/2" for terminals



Order #	Mfg. #	Mfd	Volts	Diam.	Height	Each	3 Lot
370VAC - Dual Round							
G35-345	PRCD253A	25/3	370	2.0"	2.75"	**40.99**	**38.99**
G35-346	PRCD254A	25/4	370	2.0"	3.25"	**65.00**	**59.00**
G35-347	PRCD255A	25/5	370	2.0"	2.75"	**43.49**	**40.99**
G35-349	PRCD303A	30/3	370	2.0"	3.25"	**47.49**	**45.49**
G35-350	PRCD304A	30/4	370	2.0"	3.25"	**49.49**	**46.99**
G35-351	PRCD305A	30/5	370	2.0"	2.75"	**46.49**	**43.99**
G35-352	PRCD3075A	30/7.5	370	2.0"	3.25"	**59.00**	**57.00**
G35-348	PRCD3010A	30/10	370	2.0"	3.25"	**105.00**	**99.00**
G35-354	PRCD353A	35/3	370	2.0"	3.75"	**48.99**	**46.49**
G35-355	PRCD354A	35/4	370	2.0"	3.25"	**65.00**	**59.00**
G35-356	PRCD355A	35/5	370	2.0"	3.25"	**46.99**	**44.99**
G35-357	PRCD3575A	35/7.5	370	2.0"	3.25"	**65.00**	**59.00**
G35-353	PRCD3510A	35/10	370	2.0"	3.75"	**65.00**	**59.00**
G35-360	PRCD404A	40/4	370	2.0"	3.75"	**55.00**	**53.00**
G35-361	PRCD405A	40/5	370	2.0"	3.75"	**79.00**	**75.00**
G35-362	PRCD4075A	40/7.5	370	2.0"	3.25"	**85.00**	**79.00**
G35-358	PRCD4010A	40/10	370	2.0"	3.75"	**69.00**	**65.00**
G35-364	PRCD453A	45/3	370	2.0"	3.25"	**65.00**	**59.00**
G35-365	PRCD455A	45/5	370	2.0"	3.75"	**65.00**	**62.00**
G35-366	PRCD4575A	45/7.5	370	2.0"	3.75"	**69.00**	**65.00**
G35-363	PRCD4510A	45/10	370	2.0"	4.25"	**69.00**	**65.00**
G35-368	PRCD503A	50/3	370	2.5"	2.75"	**65.00**	**62.00**
G35-369	PRCD505A	50/5	370	2.5"	2.75"	**85.00**	**79.00**
G35-370	PRCD5075A	50/7.5	370	2.5"	2.75"	**99.00**	**95.00**
G35-367	PRCD5010A	50/10	370	2.5"	3.25"	**105.00**	**99.00**
G35-372	PRCD555A	55/5	370	2.5"	3.25"	**95.00**	**91.00**
G35-373	PRCD5575A	55/7.5	370	2.5"	3.25"	**109.00**	**105.00**
G35-371	PRCD5510A	55/10	370	2.5"	3.25"	**109.00**	**105.00**
G35-375	PRCD605A	60/5	370	2.5"	3.25"	**95.00**	**91.00**
G35-376	PRCD6075A	60/7.5	370	2.5"	3.25"	**105.00**	**101.00**
G35-374	PRCD6010A	60/10	370	2.5"	3.25"	**105.00**	**99.00**
G35-379	PRCD805A	80/5	370	2.5"	3.75"	**125.00**	**119.00**
G35-380	PRCD8075A	80/7.5	370	2.5"	4.25"	**129.00**	**125.00**
G35-377	PRCD8010A	80/10	370	2.5"	3.75"	**89.00**	**85.00**
G35-378	PRCD80125A	80/12.5	370	2.5"	4.25"	**105.00**	**99.00**
440VAC - Dual Round							
G35-399	PRCFD105A	10/5	440	2.0"	3.38"	**55.00**	**47.99**
G35-401	PRCFD205A	20/5	440	2.0"	3.75"	**75.00**	**69.00**
G35-400	PRCFD2015A	20/15	440	2.0"	3.38"	**65.00**	**59.00**
G35-404	PRCFD255A	25/5	440	2.0"	3.25"	**45.99**	**43.99**
G35-405	PRCFD2575A	25/7.5	440	2.0"	3.75"	**48.49**	**45.99**
G35-402	PRCFD2510A	25/10	440	2.0"	3.75"	**65.00**	**62.00**
G35-403	PRCFD2515A	25/15	440	2.0"	4.75"	**69.00**	**66.00**
G35-406	PRCFD303A	30/3	440	2.0"	4.25"	**55.00**	**53.00**
G35-407	PRCFD304A	30/4	440	2.0"	3.25"	**59.00**	**55.00**
G35-408	PRCFD305A	30/5	440	2.0"	3.25"	**45.99**	**43.99**
G35-409	PRCFD3075A	30/7.5	440	2.0"	4.25"	**55.00**	**47.99**
G35-410	PRCFD353A	35/3	440	2.0"	4.75"	**49.99**	**47.49**
G35-411	PRCFD354A	35/4	440	2.0"	4.25"	**55.00**	**49.49**
G35-412	PRCFD355A	35/5	440	2.5"	2.75"	**47.99**	**45.49**
G35-413	PRCFD356A	35/6	440	2.0"	4.25"	**59.00**	**55.00**
G35-414	PRCFD3575A	35/7.5	440	2.5"	4.25"	**55.00**	**53.00**
G35-415	PRCFD403A	40/3	440	2.5"	3.25"	**55.00**	**53.00**
G35-416	PRCFD404A	40/4	440	2.5"	3.25"	**65.00**	**59.00**
G35-417	PRCFD405A	40/5	440	2.5"	3.25"	**55.00**	**48.49**
G35-418	PRCFD406A	40/6	440	2.5"	3.25"	**59.00**	**55.00**
G35-419	PRCFD4075A	40/7.5	440	2.5"	3.25"	**59.00**	**55.00**
G35-420	PRCFD453A	45/3	440	2.5"	3.25"	**65.00**	**59.00**
G35-421	PRCFD455A	45/5	440	2.5"	3.25"	**59.00**	**55.00**
G35-422	PRCFD456A	45/6	440	2.5"	3.75"	**75.00**	**69.00**
G35-423	PRCFD4575A	45/7.5	440	2.5"	3.75"	**65.00**	**59.00**
G35-424	PRCFD505A	50/5	440	2.5"	3.75"	**65.00**	**59.00**
G35-425	PRCFD5075A	50/7.5	440	2.5"	3.75"	**69.00**	**65.00**
G35-426	PRCFD555A	55/5	440	2.5"	3.75"	**69.00**	**65.00**
G35-427	PRCFD5575A	55/7.5	440	2.5"	4.25"	**75.00**	**69.00**
G35-430	PRCFD605A	60/5	440	2.5"	3.75"	**75.00**	**69.00**
G35-431	PRCFD6075A	60/7.5	440	2.5"	3.75"	**75.00**	**72.00**
G35-428	PRCFD6010A	60/10	440	2.5"	3.75"	**75.00**	**69.00**
G35-429	PRCFD60125A	60/12.5	440	2.5"	4.75"	**85.00**	**82.00**
G35-433	PRCFD705A	70/5	440	2.5"	4.75"	**115.00**	**110.00**
G35-434	PRCFD7075A	70/7.5	440	2.5"	4.75"	**125.00**	**115.00**
G35-432	PRCFD7010A	70/10	440	2.5"	4.75"	**135.00**	**125.00**
G35-436	PRCFD805A	80/5	440	2.5"	4.75"	**129.00**	**125.00**
G35-437	PRCFD8075A	80/7.5	440	2.5"	4.75"	**135.00**	**129.00**
G35-435	PRCFD8010A	80/10	440	2.5"	5.88"	**155.00**	**149.00**
440/370VAC - Dual Round							
G38-403	PRCFD4510A	45/10	440/370	2.0"	4.25"	**65.00**	**62.00**

REVCOR REVOLUTIONARY AIR FLOW™

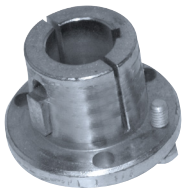


KC and KH Commercial Fan Blades

- Designed for use with air circulators, cooling towers and air cooled condensing units
- High quality steel
- 4 winged blades
- **W91-162** and **W91-165** have 5/8" fixed hubs
- Use the taper lock bushings with KH and KC fan blades
- The H bushings are for 24"–48" blades; the P bushings are for 54"–60" blades
- Performance at static pressure of .30" of water column
- Individually boxed

Order #	Mfg. #	Size	Rot.	Pitch	Blades	Hub Location	RPM	CFM	Std. Pk.	Wt. Lbs.	Each
W91-158	R42408	24"	CW	38	4	Hubless	1450	5274	1	6.3	**785.00**
W91-159	R42407	24"	CW	34	4	Hubless	1450	6406	1	6.52	**715.00**
W91-160	R42603	26"	CW	28	4	Hubless	1140	7025	1	7.5	**1045.00**
W91-161	R42606	26"	CW	38	4	Hubless	1140	9534	1	5.85	**909.00**
W91-162	R42801	28"	CW	34	4	Discharge	1140	—	1	8.5	**755.00**
W91-163	R43002	30"	CW	22	4	Hubless	1140	8446	1	10.2	**1045.00**
W91-164	R43004	30"	CW	30	4	Hubless	1140	11354	1	9	**999.00**
W91-165	R43003	30"	CW	30	4	Discharge	1140	—	1	7.95	**765.00**
W91-166	R43601	36"	CW	32	4	Hubless	850	14340	1	15.95	**1445.00**
W91-167	R43602	36"	CW	34	4	Hubless	850	14936	1	7.32	**1499.00**
W91-168	R43603	36"	CW	38	4	Hubless	850	16694	1	16.25	**1345.00**
W91-170	R44202	42"	CW	38	4	Hubless	850	28320	1	25.25	**1845.00**
W91-171	R44801	48"	CW	38	4	Hubless	700	35938	1	29.2	**2099.00**

Packard



Taper Lock Bushings

- For use with KC and KH blades
- The H bushings are for 24"–48" blades

Order #	Mfg. #	Type	Hub Bore	Keyway	Each
W69-568	PH12	H Bushing	1/2"	Shaft	**59.00**
W69-569	PH58	H Bushing	5/8"	Shaft	**55.00**
W69-570	PH34	H Bushing	3/4"	Shaft	**55.00**
W69-571	PH1316	H Bushing	13/16"	Shaft	**59.00**
W69-572	PH78	H Bushing	7/8"	Shaft	**55.00**
W69-573	PH1	H Bushing	1"	Shaft	**55.00**
W69-574	PH118	H Bushing	1-1/8"	Shaft	**55.00**
W69-575	PH138	H Bushing	1-3/8"	Shaft	**55.00**



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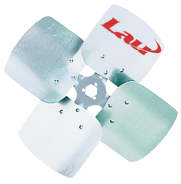
Universal Replacement Condenser Fan Blades

- 3-, 4- and 5-blade, 10" to 26" diameters
- Rugged, heavy-duty aluminum blades, with plated steel spiders
- Produce maximum air delivery with minimum noise
- Use with interchangeable hubs
- Hub designed to attach readily to propeller

Note: Free air and 0.30" static pressure are approximate ratings 1140 RPM. **W89-188** has a fixed hub 5/16" bore.



A



B



C

Fig.	Order #	Size	Rot.	Pitch	Blades	Hub Location	Hub Bore	CFM @1140 RPM & 0.30 in. w.c.	HP @ 1140 RPM & 0.30 in. w.c.	CFM @ 850 RPM & 0.167 in. w.c.	HP @ 850 RPM & 0.167 in. w.c.	Std. Pk.	Each
3-Blade													
A	**W89-188**	14"	CW	19°	3	Intake	5/16"	300	1/15	224	1/20	2	**109.00**
A	**W89-325**	16"	CW	23°	3	Inter-Changeable	—	945	1/10	750	1/20	2	**109.00**
A	**W88-999**	18"	CW	27°	3	Inter-Changeable	—	1900	1/6	1417	1/10	2	**115.00**
A	**W89-001**	18"	CCW	27°	3	Inter-Changeable	—	1900	1/6	1417	1/10	2	**115.00**
A	**W89-002**	18"	CW	30°	3	Inter-Changeable	—	2100	1/5	1566	1/10	2	**115.00**
A	**W89-003**	18"	CCW	30°	3	Inter-Changeable	—	2100	1/5	1566	1/10	2	**115.00**
A	**W89-004**	18"	CW	33°	3	Inter-Changeable	—	2250	1/4	1678	1/5	2	**115.00**
A	**W89-005**	18"	CCW	33°	3	Inter-Changeable	—	2250	1/4	1678	1/5	2	**115.00**
A	**W89-008**	20"	CW	27°	3	Inter-Changeable	—	2280	1/4	1700	1/5	2	**129.00**
A	**W89-009**	20"	CCW	27°	3	Inter-Changeable	—	2280	1/4	1700	1/5	2	**129.00**
A	**W89-010**	20"	CW	30°	3	Inter-Changeable	—	2660	1/3	1983	1/5	2	**129.00**
A	**W89-011**	20"	CCW	30°	3	Inter-Changeable	—	2660	1/3	1983	1/5	2	**129.00**
A	**W89-012**	22"	CW	27°	3	Inter-Changeable	—	4500	1/2	3355	1/4	2	**155.00**
A	**W89-013**	22"	CCW	27°	3	Inter-Changeable	—	4500	1/2	3355	1/4	2	**155.00**
A	**W89-014**	22"	CW	33°	3	Inter-Changeable	—	5300	3/4	3952	1/3	2	**155.00**
A	**W89-015**	22"	CCW	33°	3	Inter-Changeable	—	5300	3/4	3952	1/3	2	**155.00**
A	**W89-016**	24"	CW	27°	3	Inter-Changeable	—	5780	1/2	4310	1/4	2	**165.00**
A	**W89-017**	24"	CCW	27°	3	Inter-Changeable	—	5780	1/2	4310	1/4	2	**165.00**
A	**W89-018**	24"	CW	33°	3	Inter-Changeable	—	7000	3/4	5219	1/3	2	**165.00**
A	**W89-019**	24"	CCW	33°	3	Inter-Changeable	—	7000	3/4	5219	1/3	2	**165.00**
4-Blade													
B	**W88-912**	10"	CW	23°	4	Inter-Changeable	—	N/A	N/A	N/A	N/A	2	**75.00**
B	**W89-108**	10"	CW	23°	4	Inter-Changeable	—	N/A	N/A	N/A	N/A	2	**75.00**
B	**W89-109**	10"	CCW	23°	4	Inter-Changeable	—	N/A	N/A	N/A	N/A	2	**75.00**
B	**W89-110**	10"	CW	27°	4	Inter-Changeable	—	N/A	N/A	N/A	N/A	2	**75.00**
B	**W89-111**	10"	CCW	27°	4	Inter-Changeable	—	N/A	N/A	N/A	N/A	2	**75.00**
B	**W88-961**	10"	CW	33°	4	Inter-Changeable	—	N/A	N/A	N/A	N/A	2	**75.00**
B	**W88-962**	10"	CCW	33°	4	Inter-Changeable	—	N/A	N/A	N/A	N/A	2	**75.00**
B	**W88-914**	12"	CW	23°	4	Inter-Changeable	—	N/A	N/A	N/A	N/A	2	**79.00**
B	**W88-915**	12"	CCW	23°	4	Inter-Changeable	—	N/A	N/A	N/A	N/A	2	**79.00**
B	**W88-963**	12"	CW	23°	4	Inter-Changeable	—	N/A	N/A	N/A	N/A	2	**79.00**
B	**W88-964**	12"	CCW	23°	4	Inter-Changeable	—	N/A	N/A	N/A	N/A	2	**79.00**
B	**W89-112**	12"	CW	27°	4	Inter-Changeable	—	N/A	N/A	N/A	N/A	2	**79.00**
B	**W89-113**	12"	CCW	27°	4	Inter-Changeable	—	N/A	N/A	N/A	N/A	2	**79.00**
B	**W88-965**	12"	CW	33°	4	Inter-Changeable	—	150	1/20	112	1/25	2	**79.00**
B	**W88-966**	12"	CCW	33°	4	Inter-Changeable	—	150	1/20	112	1/25	2	**79.00**
B	**W88-916**	14"	CW	19°	4	Inter-Changeable	—	320	1/20	239	1/20	2	**95.00**
B	**W88-917**	14"	CCW	19°	4	Inter-Changeable	—	320	1/20	239	1/20	2	**95.00**
B	**W88-967**	14"	CW	23°	4	Inter-Changeable	—	430	1/16	321	1/20	2	**95.00**
B	**W88-968**	14"	CCW	23°	4	Inter-Changeable	—	430	1/16	321	1/20	2	**95.00**
B	**W89-114**	14"	CW	27°	4	Inter-Changeable	—	500	1/12	373	1/15	2	**95.00**
B	**W89-115**	14"	CCW	27°	4	Inter-Changeable	—	500	1/12	373	1/15	2	**95.00**
B	**W88-969**	14"	CW	33°	4	Inter-Changeable	—	620	1/12	462	1/35	2	**95.00**
B	**W88-970**	14"	CCW	33°	4	Inter-Changeable	—	620	1/12	462	1/35	2	**95.00**
B	**W88-918**	16"	CW	19°	4	Inter-Changeable	—	1000	1/12	746	1/35	2	**119.00**
B	**W88-919**	16"	CCW	19°	4	Inter-Changeable	—	1000	1/12	746	1/35	2	**119.00**
B	**W88-971**	16"	CW	23°	4	Inter-Changeable	—	1079	1/8	805	1/15	2	**119.00**
B	**W88-972**	16"	CCW	23°	4	Inter-Changeable	—	1079	1/8	805	1/15	2	**119.00**
B	**W89-116**	16"	CW	27°	4	Inter-Changeable	—	1300	1/6	969	1/10	2	**119.00**
B	**W89-117**	16"	CCW	27°	4	Inter-Changeable	—	1300	1/6	969	1/10	2	**119.00**

continued on next page

Fig.	Order #	Size	Rot.	Pitch	Blades	Hub Location	Hub Bore	CFM @1140 RPM & 0.30 in. w.c.	HP @ 1140 RPM & 0.30 in. w.c.	CFM @ 850 RPM & 0.167 in. w.c.	HP @ 850 RPM & 0.167 in. w.c.	Std. Pk.	Each
B	**W88-973**	16"	CW	33°	4	Inter-Changeable	—	1570	1/5	1171	1/10	2	**119.00**
B	**W88-974**	16"	CCW	33°	4	Inter-Changeable	—	1570	1/5	1171	1/10	2	**119.00**
B	**W88-920**	18"	CW	23°	4	Inter-Changeable	—	N/A	N/A	N/A	N/A	2	**129.00**
B	**W88-921**	18"	CCW	23°	4	Inter-Changeable	—	N/A	N/A	N/A	N/A	2	**139.00**
B	**W89-328**	18"	CW	23°	4	Inter-Changeable	—	1920	1/5	1450	1/15	2	**139.00**
B	**W88-975**	18"	CW	27°	4	Inter-Changeable	—	2060	1/5	1536	1/10	2	**139.00**
B	**W88-976**	18"	CCW	27°	4	Inter-Changeable	—	2060	1/5	1536	1/10	2	**139.00**
B	**W88-977**	18"	CW	30°	4	Inter-Changeable	—	2150	1/4	1603	1/5	2	**139.00**
B	**W88-978**	18"	CCW	30°	4	Inter-Changeable	—	2150	1/4	1603	1/5	2	**139.00**
B	**W88-979**	18"	CW	33°	4	Inter-Changeable	—	2300	1/3	1715	1/5	2	**129.00**
B	**W88-980**	18"	CCW	33°	4	Inter-Changeable	—	2300	1/3	1715	1/5	2	**129.00**
B	**W88-922**	20"	CW	23°	4	Inter-Changeable	—	2100	1/4	1566	1/5	2	**155.00**
B	**W88-923**	20"	CCW	23°	4	Inter-Changeable	—	2100	1/4	1566	1/5	2	**155.00**
B	**W89-319**	20"	CW	23°	4	Inter-Changeable	—	2100	1/4	1650	1/10	2	**155.00**
B	**W89-118**	20"	CW	27°	4	Inter-Changeable	—	2450	1/3	1827	1/5	2	**155.00**
B	**W89-119**	20"	CCW	27°	4	Inter-Changeable	—	2450	1/3	1827	1/5	2	**155.00**
B	**W88-983**	20"	CW	30°	4	Inter-Changeable	—	2830	1/3	2110	1/5	2	**155.00**
B	**W88-984**	20"	CCW	30°	4	Inter-Changeable	—	2830	1/3	2110	1/5	2	**155.00**
B	**W88-985**	20"	CW	33°	4	Inter-Changeable	—	3020	1/2	2252	1/4	2	**155.00**
B	**W88-986**	20"	CCW	33°	4	Inter-Changeable	—	3020	1/2	2252	1/4	2	**155.00**
B	**W89-332**	22"	CW	23°	4	Inter-Changeable	—	3850	1/2	2850	1/5	2	**175.00**
B	**W88-987**	22"	CW	27°	4	Inter-Changeable	—	4580	1/2	3415	1/4	2	**175.00**
B	**W88-988**	22"	CCW	27°	4	Inter-Changeable	—	4580	1/2	3415	1/4	2	**175.00**
B	**W89-120**	22"	CW	33°	4	Inter-Changeable	—	5320	1	3967	1/2	2	**175.00**
B	**W89-121**	22"	CCW	33°	4	Inter-Changeable	—	5320	1	3967	1/2	2	**175.00**
B	**W89-320**	24"	CW	23°	4	Inter-Changeable	—	5400	3/5	3700	1/3	2	**195.00**
B	**W89-333**	24"	CCW	23°	4	Inter-Changeable	—	5400	3/5	3700	1/3	2	**195.00**
B	**W88-991**	24"	CW	27°	4	Inter-Changeable	—	6000	3/4	4474	1/3	2	**195.00**
B	**W88-992**	24"	CCW	27°	4	Inter-Changeable	—	6000	3/4	4474	1/3	2	**195.00**
B	**W88-993**	24"	CW	33°	4	Inter-Changeable	—	7050	1	5257	1/2	2	**195.00**
B	**W88-994**	24"	CCW	33°	4	Inter-Changeable	—	7050	1	5257	1/2	2	**195.00**
B	**W89-331**	26"	CW	24°	4	Inter-Changeable	—	6720	1	5050	1/2	1	**239.00**
B	**W88-995**	26"	CW	27°	4	Inter-Changeable	—	7600	1-1/4	5667	3/4	1	**239.00**
B	**W88-996**	26"	CCW	27°	4	Inter-Changeable	—	7600	1-1/4	5667	3/4	1	**239.00**
B	**W88-997**	26"	CW	33°	4	Inter-Changeable	—	8850	1-1/2	6599	3/4	1	**239.00**
B	**W88-998**	26"	CCW	33°	4	Inter-Changeable	—	8850	1-1/2	6599	3/4	1	**239.00**
5-Blade													
C	**W89-099**	16"	CW	33°	5	Inter-Changeable	—	1925	1/4	1435	1/5	2	**119.00**
C	**W89-100**	16"	CCW	33°	5	Inter-Changeable	—	1925	1/4	1435	1/5	2	**119.00**
C	**W89-101**	18"	CW	33°	5	Inter-Changeable	—	3000	1/2	2237	1/4	2	**149.00**
C	**W89-102**	18"	CCW	33°	5	Inter-Changeable	—	3000	1/2	2237	1/4	2	**149.00**
C	**W89-103**	20"	CW	33°	5	Inter-Changeable	—	3960	1/2	2953	1/4	2	**179.00**
C	**W89-104**	20"	CCW	33°	5	Inter-Changeable	—	3960	1/2	2953	1/4	2	**179.00**

Lau



OEM Replacement Condenser Fan Blades

Fixed Hub

- Direct replacement for Rheem, Carrier, Lennox, Liebert and others
- Rugged, heavy-duty aluminum blades
- 20" to 30" in diameter
- Produce maximum air delivery with minimum noise

Note: Free air is an approximate rating 1140 RPM.

Order #	Size	Rot.	Pitch	Blades	Hub Location	Hub Bore	CFM	HP	Std. Pk.	Wt. Lbs.	Each	2 Lot
W89-245	20"	CW	21°	3	Discharge Conn.	1/2"	2945	1/6	2	3.63	**129.00**	**125.00**
W89-246	20"	CW	29°	4	Discharge Conn.	1/2"	3670	1/4	2	4.70	**155.00**	**145.00**
W89-247	22"	CW	30°	4	Discharge Conn.	1/2"	5850	3/4	1	4.88	**205.00**	**195.00**
W89-248	24"	CCW	23°	4	Intake	1/2"	4585	1/4	2	6.31	**205.00**	**195.00**
W89-249	24"	CW	25°	4	Discharge Conn.	1/2"	4920	1/3	2	7.00	**199.00**	**189.00**
W89-250	26"	CW	28°	4	Discharge Conn.	1/2"	7440	1	1	7.10	**265.00**	**249.00**
W89-251	26"	CW	32°	4	Discharge Conn.	5/8"	8222	1	1	7.22	**289.00**	**275.00**
W89-252	28"	CW	25°	4	Discharge Conn.	5/8"	8845	1	1	7.56	**149.00**	**145.00**
W89-253	30"	CW	25°	4	Discharge Conn.	5/8"	11150	1	1	8.52	**325.00**	**305.00**

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Universal Hex Hubs for Revcor Fan Blades



Order #	Mfg. #	Hub Bore	Each
W69-562	H60765802	1/4"	**65.00**
W69-563	H60765802	5/16"	**39.99**
W69-564	H60765803	3/8"	**40.49**

Order #	Mfg. #	Hub Bore	Each
W69-565	H60765804	1/2"	**38.49**
W69-566	H60765805	5/8"	**42.99**
W69-567	H60765806	3/4"	**69.00**

Universal Condenser Fan Blades

Hubless

- 10 to 26 in. diameter
- Steel spiders
- Highly embossed for added strength
- For motor speeds up to 1625 RPM
- Use with interchangeable hubs
- Individually boxed
- Aluminum fan blades

Applications:
- Air conditioning condensers, power roof ventilators, heat pumps, heat exchangers, unit heaters, commercial and industrial equipment



A



B



C

Fig.	Order #	Mfg. #	Size	Rot.	Pitch	Blades	Hub Location	RPM	CFM	HP	Std. Pk.	Wt. Lbs.	Each
3-Blade													
A	**W89-454**	R31201	12"	CW	19°	3	Hubless	1725	429	1/20	1	1.13	**135.00**
A	**W89-453**	R31202	12"	CW	27°	3	Hubless	1725	714	1/10	1	1.13	**125.00**
A	**W89-456**	R31401	14"	CW	23°	3	Hubless	1725	1387	1/6	1	1.6	**139.00**
A	**W89-457**	R31402	14"	CW	27°	3	Hubless	1725	1568	1/4	1	1.6	**129.00**
A	**W80-247**	R31806	18"	CCW	27°	3	Hubless	1140	—	—	1	2.95	**169.00**
A	**W80-248**	R31808	18"	CW	27°	3	Hubless	1140	—	—	1	3	**165.00**
A	**W89-464**	R31803	18"	CW	23°	3	Hubless	1725	2629	1/3	1	3	**165.00**
A	**W89-465**	R31802	18"	CCW	23°	3	Hubless	1725	2629	1/3	1	3.05	**185.00**
A	**W89-468**	R31813	18"	CW	30°	3	Hubless	1725	4136	3/4	1	2.9	**165.00**
A	**W89-469**	R31812	18"	CCW	30°	3	Hubless	1725	4136	3/4	1	2.9	**185.00**
A	**W89-466**	R31819	18"	CW	33°	3	Hubless	1725	4403	3/4	1	3	**155.00**
A	**W89-467**	R31818	18"	CCW	33°	3	Hubless	1725	4403	3/4	1	2.9	**159.00**
A	**W89-481**	R32002	20"	CW	24°	3	Hubless	1140	2781	1/3	1	3.1	**165.00**
A	**W80-249**	R32005	20"	CW	27°	3	Hubless	1140	—	—	1	3.05	**189.00**
A	**W89-482**	R32007	20"	CW	28°	3	Hubless	1140	3245	1/2	1	3.1	**185.00**
A	**W89-483**	R32006	20"	CCW	28°	3	Hubless	1140	3245	1/2	1	3.15	**185.00**
A	**W89-486**	R32011	20"	CW	31°	3	Hubless	1140	3552	1/2	1	3.1	**185.00**
A	**W89-487**	R32012	20"	CCW	31°	3	Hubless	1140	3552	1/2	1	3.1	**179.00**
A	**W89-484**	R32016	20"	CW	33°	3	Hubless	1140	3687	1/2	1	3	**175.00**
A	**W89-485**	R32015	20"	CCW	33°	3	Hubless	1140	3687	1/2	1	3	**175.00**
A	**W89-496**	R32211	22"	CW	27°	3	Hubless	1140	4169	1/2	1	3.85	**209.00**
A	**W89-497**	R32210	22"	CCW	27°	3	Hubless	1140	4169	1/2	1	3.65	**209.00**
A	**W89-495**	R32217	22"	CCW	30°	3	Hubless	1140	4675	1/2	1	3.7	**239.00**
A	**W89-498**	R32218	22"	CW	30°	3	Hubless	1140	6763	1/2	1	3.7	**265.00**
A	**W89-506**	R32408	24"	CW	26°	3	Hubless	1140	5649	3/4	1	4.7	**229.00**
A	**W89-507**	R32407	24"	CCW	26°	3	Hubless	1140	5649	3/4	1	4.6	**229.00**
4-Blade													
B	**W89-452**	R41001	10"	CW	27°	4	Hubless	1625	400	1/20	1	1.12	**135.00**
B	**W89-455**	R41201	12"	CCW	23°	4	Hubless	1625	480	1/10	1	1.6	**115.00**
B	**W80-250**	R41203	12"	CCW	27°	4	Hubless	1625	—	—	1	1.22	**135.00**
B	**W89-458**	R41403	14"	CW	23°	4	Hubless	1625	1100	1/8	1	2.6	**135.00**
B	**W89-459**	R41401	14"	CCW	23°	4	Hubless	1625	1100	1/8	1	1.8	**145.00**
B	**W89-460**	R41601	16"	CCW	23°	4	Hubless	1625	2150	1/3	1	1.9	**169.00**
B	**W89-461**	R41603	16"	CCW	26°	4	Hubless	1625	2350	1/3	1	2	**165.00**
B	**W80-251**	R41604	16"	CW	27°	4	Hubless	1625	—	—	1	1.9	**165.00**
B	**W89-462**	R41605	16"	CCW	33°	4	Hubless	1625	2490	1/2	1	1.95	**169.00**
B	**W89-476**	R41801	18"	CW	19°	4	Hubless	1140	1196	1/5	1	3.32	**239.00**

continued on next page

Fig.	Order #	Mfg. #	Size	Rot.	Pitch	Blades	Hub Location	RPM	CFM	HP	Std. Pk.	Wt. Lbs.	Each
B	**W89-470**	R41803	18"	CW	24°	4	Hubless	1140	1780	1/5	1	3.5	**215.00**
B	**W89-471**	R41802	18"	CCW	24°	4	Hubless	1140	1780	1/5	1	3.4	**199.00**
B	**W89-472**	R41806	18"	CW	27°	4	Hubless	1140	2250	1/4	1	3.45	**189.00**
B	**W89-473**	R41804	18"	CCW	27°	4	Hubless	1140	2250	1/4	1	3.25	**195.00**
B	**W89-477**	R41807	18"	CCW	30°	4	Hubless	1140	2023	1/4	1	3.41	**215.00**
B	**W89-474**	R41810	18"	CW	33°	4	Hubless	1140	2240	1/3	1	3.55	**195.00**
B	**W89-475**	R41809	18"	CCW	33°	4	Hubless	1140	2240	1/3	1	3.4	**195.00**
B	**W89-488**	R42002	20"	CW	23°	4	Hubless	1140	2360	1/4	1	3.45	**199.00**
B	**W89-489**	R42001	20"	CCW	23°	4	Hubless	1140	2360	1/4	1	3.8	**225.00**
B	**W89-490**	R42004	20"	CW	27°	4	Hubless	1140	2820	1/3	1	3.5	**205.00**
B	**W89-491**	R42003	20"	CCW	27°	4	Hubless	1140	2820	1/3	1	3.6	**215.00**
B	**W89-493**	R42006	20"	CW	29°	4	Hubless	1140	3760	1/3	1	3.55	**199.00**
B	**W89-494**	R42005	20"	CCW	29°	4	Hubless	1140	3760	1/3	1	3.55	**225.00**
B	**W89-492**	R42007	20"	CCW	33°	4	Hubless	1140	3210	1/3	1	3.55	**215.00**
B	**W89-499**	R42202	22"	CCW	23°	4	Hubless	1140	3900	1/2	1	4.4	**255.00**
B	**W89-500**	R42208	22"	CW	27°	4	Hubless	1140	4640	3/4	1	4.4	**249.00**
B	**W89-501**	R42207	22"	CCW	27°	4	Hubless	1140	4640	3/4	1	4.55	**255.00**
B	**W89-502**	R42211	22"	CW	33°	4	Hubless	1140	5220	3/4	1	5.15	**259.00**
B	**W89-503**	R42213	22"	CW	35°	4	Hubless	1140	5624	3/4	1	5.14	**265.00**
B	**W89-508**	R42402	24"	CW	23°	4	Hubless	1140	4600	3/4	1	5.35	**289.00**
B	**W89-509**	R42401	24"	CCW	23°	4	Hubless	1140	4600	3/4	1	5.5	**269.00**
B	**W89-510**	R42405	24"	CW	27°	4	Hubless	1140	5500	3/4	1	5.3	**249.00**
B	**W80-252**	R42403	24"	CCW	27°	4	Hubless	1625	—	—	1	5.3	**289.00**
B	**W89-515**	R42601	26"	CW	24°	4	Hubless	1140	7099	1	1	5.85	**315.00**
B	**W89-513**	R42602	26"	CW	27°	4	Hubless	1140	7180	1-1/2	1	5.9	**289.00**
B	**W89-514**	R42605	26"	CW	33°	4	Hubless	1140	8100	1-1/2	1	7.5	**305.00**
5-Blade													
C	**W89-463**	R51601	16"	CCW	27°	5	Hubless	1140	1450	1/5	1	3.2	**285.00**
C	**W89-478**	R51802	18"	CW	27°	5	Hubless	1140	2030	1/4	1	3.61	**255.00**
C	**W89-479**	R51801	18"	CCW	27°	5	Hubless	1140	2030	1/4	1	3.75	**255.00**
C	**W89-504**	R52201	22"	CW	33°	5	Hubless	1140	5540	1	1	7.15	**335.00**
C	**W89-511**	R52401	24"	CW	27°	5	Hubless	1140	5980	1	1	5.9	**339.00**

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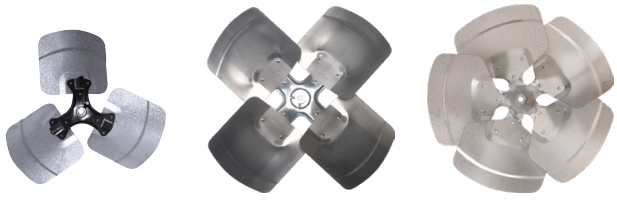
- Individually boxed



A B C

Fig.	Order #	Mfg. #	Size	Rot.	Pitch	Blades	Hub Location	Hub Bore	Std. Pk.	Wt. Lbs.	Each
3-Blade											
A	**W80-075**	R31267	12"	CW	24°	3	Discharge	5/16"	1	1.1	**185.00**
A	**W89-516**	R31403	14"	CW	32°	3	Discharge	1/2"	1	1.6	**239.00**
A	**W89-517**	R31602	16"	CW	28°	3	Intake	1/2"	1	1.85	**359.00**
A	**W89-518**	R31603	16"	CW	30°	3	Intake	1/2"	1	1.85	**385.00**
A	**W89-521**	R31804	18"	CW	26°	3	Discharge	1/2"	1	2.35	**255.00**
A	**W89-522**	R31805	18"	CCW	26°	3	Intake	1/2"	1	2.8	**279.00**
A	**W89-523**	R31809	18"	CW	27°	3	Discharge	1/2"	1	2.95	**335.00**
A	**W89-524**	R31820	18"	CW	33°	3	Discharge	1/2"	1	2.95	**189.00**
A	**W89-525**	R32001	20"	CW	23°	3	Discharge	1/2"	1	3.1	**249.00**
A	**W89-526**	R32014	20"	CW	31°	3	Discharge	1/2"	1	3	**175.00**
A	**W89-527**	R32203	22"	CW	20°	3	Intake	1/2"	1	3.9	**169.00**
A	**W89-528**	R32207	22"	CW	24°	3	Discharge	1/2"	1	4.1	**325.00**
A	**W89-529**	R32214	22"	CW	28°	3	Intake	1/2"	1	3	**409.00**
A	**W89-530**	R32221	22"	CW	33°	3	Intake	1/2"	1	3.7	**409.00**
A	**W89-531**	R32404	24"	CW	22°	3	Intake	1/2"	1	4.6	**195.00**
A	**W89-532**	R32405	24"	CCW	22°	3	Intake	1/2"	1	4.55	**309.00**
A	**W89-533**	R32410	24"	CW	30°	3	Intake	1/2"	1	5.1	**435.00**
A	**W89-534**	R32608	26"	CW	26°	3	Discharge	1/2"	1	4.75	**305.00**
A	**W89-535**	R32609	26"	CW	27°	3	Intake	1/2"	1	4.9	**605.00**
4-Blade											
B	**W89-536**	R41607	16"	CW	33°	4	Discharge	1/2"	1	2	**239.00**
B	**W89-537**	R41808	18"	CW	30°	4	Intake	1/2"	1	3.45	**269.00**
B	**W89-538**	R41811	18"	CW	33°	4	Discharge	1/2"	1	3.46	**265.00**
B	**W89-539**	R42009	20"	CW	33°	4	Intake	1/2"	1	3.6	**325.00**
B	**W89-540**	R42010	20"	CW	36°	4	Intake	1/2"	1	3.25	**339.00**
B	**W89-541**	R42205	22"	CW	24°	4	Discharge	1/2"	1	4.95	**245.00**
B	**W89-542**	R42206	22"	CW	26°	4	Intake	1/2"	1	4.6	**369.00**
B	**W89-543**	R42212	22"	CCW	33°	4	Intake	1/2"	1	5.3	**335.00**
B	**W89-544**	R42404	24"	CCW	27°	4	Discharge	1/2"	1	5.65	**325.00**
B	**W89-545**	R42604	26"	CW	30°	4	Discharge	5/8"	1	6.05	**355.00**
5-Blade											
C	**W89-546**	R51803	18"	CW	33°	5	Discharge	1/2"	1	3.63	**389.00**

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A B C

Fig.	Order #	Mfg. #	Size	Rot.	Pitch	Blades	Hub Location	Hub Bore	Std. Pk.	Wt. Lbs.	Each
2-Blade											
A	**W89-986**	R21781	17.8"	CCW	31°	2	Intake	1/2"	1	1.9	**249.00**
A	**W89-987**	R21801	18"	CW	20°	2	Intake	1/2"	1	1.1	**275.00**
A	**W89-988**	R22001	20"	CW	20°	2	Intake	1/2"	1	1.9	**265.00**
A	**W89-552**	R22201	22"	CCW	22°	2	Intake	1/2"	1	3.45	**235.00**
A	**W89-989**	R22002	20"	CW	24°	2	Intake	1/2"	1	1.8	**275.00**
A	**W89-990**	R22204	22"	CCW	35°	2	Intake	1/2"	1	2.75	**275.00**
A	**W89-991**	R22401	24"	CW	16°	2	Intake	1/2"	1	2.8	**249.00**
A	**W89-992**	R22402	24"	CW	18°	2	Intake	1/2"	1	3.2	**285.00**
A	**W89-993**	R22405	24"	CW	27°	2	Intake	1/2"	1	3.5	**339.00**
A	**W89-994**	R22406	24"	CCW	31°	2	Intake	1/2"	1	3	**285.00**
A	**W89-995**	R22701	27"	CCW	28°	2	Intake	1/2"	1	5.65	**405.00**
3-Blade											
B	**W89-996**	R31404	14"	CW	38°	3	Intake	1/2"	1	1.6	**239.00**
B	**W89-997**	R31604	16"	CCW	32°	3	Intake	1/2"	1	3	**359.00**
B	**W89-998**	R31781	17.8"	CCW	34°	3	Intake	1/2"	1	2.9	**185.00**
B	**W89-999**	R31801	18"	CW	19°	3	Intake	1/2"	1	3.55	**265.00**
B	**W80-001**	R31807	18"	CCW	27°	3	Intake	1/2"	1	3	**315.00**
B	**W80-002**	R31810	18"	CCW	27°	3	Intake	1/2"	1	2.85	**325.00**
B	**W80-003**	R31811	18"	CW	27°	3	Intake	1/2"	1	2.5	**345.00**
B	**W80-004**	R31814	18"	CW	30°	3	Intake	1/2"	1	2.95	**235.00**
B	**W80-005**	R31815	18"	CCW	31°	3	Intake	1/2"	1	2.9	**229.00**
B	**W80-006**	R31816	18"	CCW	32°	3	Intake	1/2"	1	2.6	**235.00**
B	**W80-007**	R31817	18"	CW	32°	3	Intake	1/2"	1	2.4	**245.00**
B	**W80-008**	R31821	18"	CW	35°	3	Intake	1/2"	1	2.95	**175.00**
B	**W80-009**	R31901	19"	CCW	30°	3	Intake	1/2"	1	2.95	**255.00**
B	**W80-010**	R31902	19"	CCW	32°	3	Intake	1/2"	1	2.85	**245.00**
B	**W80-011**	R32003	20"	CW	26°	3	Intake	1/2"	1	3.95	**245.00**
B	**W80-012**	R32004	20"	CW	26°	3	Intake	1/2"	1	3.05	**245.00**
B	**W80-013**	R32008	20"	CW	28°	3	Intake	1/2"	1	3.1	**185.00**
B	**W80-014**	R32009	20"	CCW	28°	3	Intake	1/2"	1	3.05	**199.00**
B	**W80-015**	R32010	20"	CCW	29°	3	Intake	1/2"	1	3	**205.00**
B	**W80-016**	R32017	20"	CW	34°	3	Intake	1/2"	1	3.75	**375.00**
B	**W80-017**	R32201	22"	CCW	19°	3	Intake	1/2"	1	2.8	**385.00**
B	**W80-018**	R32202	22"	CW	20°	3	Intake	1/2"	1	3.8	**325.00**
B	**W80-019**	R32204	22"	CCW	22°	3	Intake	1/2"	1	2.75	**189.00**
B	**W80-020**	R32205	22"	CW	24°	3	Intake	1/2"	1	4.25	**195.00**
B	**W80-021**	R32206	22"	CW	24°	3	Intake	1/2"	1	3.35	**425.00**
B	**W80-022**	R32208	22"	CW	24°	3	Intake	1/2"	1	4.8	**405.00**
B	**W80-023**	R32209	22"	CCW	24°	3	Intake	1/2"	1	3.55	**385.00**
B	**W80-024**	R32212	22"	CW	27°	3	Intake	1/2"	1	2.65	**245.00**
B	**W80-025**	R32213	22"	CW	28°	3	Intake	1/2"	1	2.65	**429.00**
B	**W80-026**	R32215	22"	CW	28°	3	Intake	1/2"	1	3	**409.00**
B	**W80-027**	R32216	22"	CCW	28°	3	Intake	1/2"	1	3.1	**249.00**
B	**W80-028**	R32401	24"	CW	18°	3	Intake	1/2"	1	3.7	**259.00**
B	**W80-029**	R32402	24"	CW	19°	3	Intake	1/2"	1	3.7	**265.00**
B	**W80-030**	R32403	24"	CW	20°	3	Intake	1/2"	1	3.7	**259.00**
B	**W80-031**	R32406	24"	CW	24°	3	Intake	1/2"	1	4.6	**315.00**
B	**W80-032**	R32409	24"	CW	26°	3	Intake	1/2"	1	4.6	**315.00**
B	**W80-033**	R32601	26"	CW	15°	3	Intake	1/2"	1	5.85	**295.00**
B	**W80-034**	R32602	26"	CW	18°	3	Intake	1/2"	1	4.55	**325.00**
B	**W80-036**	R32604	26"	CCW	20°	3	Intake	1/2"	1	5.35	**429.00**
B	**W80-037**	R32605	26"	CW	21°	3	Intake	1/2"	1	5.5	**255.00**
B	**W80-038**	R32606	26"	CW	24°	3	Intake	1/2"	1	5.85	**255.00**
B	**W80-039**	R32607	26"	CW	24°	3	Intake	1/2"	1	6.78	**535.00**
B	**W80-040**	R32610	26"	CW	28°	3	Intake	1/2"	1	6.8	**409.00**
4-Blade											
C	**W80-041**	R41805	18"	CW	27°	4	Intake	1/2"	1	3.5	**329.00**
C	**W80-042**	R41812	18"	CCW	34°	4	Intake	1/2"	1	3.35	**339.00**
C	**W80-043**	R42201	22"	CCW	22°	4	Intake	1/2"	1	5.05	**319.00**
C	**W80-044**	R42204	22"	CCW	24°	4	Intake	1/2"	1	4.21	**395.00**
C	**W80-045**	R42209	22"	CCW	28°	4	Intake	1/2"	1	4.25	**319.00**
C	**W80-046**	R42210	22"	CCW	32°	4	Intake	1/2"	1	3.55	**365.00**

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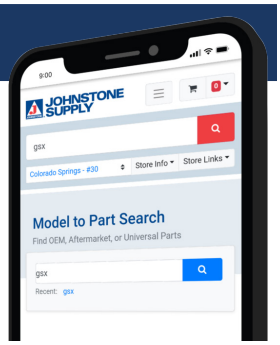

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Econoflow OEM Replacement Propellers

Common Replacement Propellers for Major Manufacturers

- All propellers have a 1/2" hub and are made of either galvanized steel or aluminum blades, where indicated
- Can be used to replace square condenser propeller

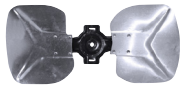


Order #	Mfg. #	Replaces	Size	Rot.	Pitch	Blades	Hub Location	Hub Bore	Std. Pk.	Each
Nordyne, Fridgidaire, Westinghouse, Tappan, Kevinator, Philco										
W89-783	6128150001	667261-C	18"	CW	18°	3	Intake	1/2"	2	**95.00**
W89-784	6128120001	667262-B	18"	CW	28°	3	Intake	1/2"	2	**95.00**
W89-785	6128130001	667303-B	24"	CW	23°	3	Intake	1/2"	2	**145.00**
Rheem, Rudd										
W89-779	6128190001	70-100580-03	24"	CCW	22°	3	Intake	1/2"	1	**145.00**
W89-780	6128170001	70-100582-04	24"	CCW	28°	3	Intake	1/2"	2	**145.00**
W89-781	6128180001	70-100580-07	22"	CCW	28°	2	Intake	1/2"	2	**95.00**
York, Luxaire, Coleman										
W89-788	6128240001	17690	22"	CW	20°	2	Intake	1/2"	2	**99.00**
W89-789	6128200001	17698	22"	CW	30°	3	Intake	1/2"	1	**129.00**
W89-791	6128230001	128812	24"	CW	30°	3	Intake	1/2"	2	**179.00**
Lennox										
W89-792	6128270001	68J2601	18"	CCW	26°	3	Intake	1/2"	1	**99.00**
W89-793	6128280001	36G8001	24"	CW	21°	3	Discharge	1/2"	2	**155.00**
W89-794	6128260001	68J2701	18"	CCW	24°	4	Intake	1/2"	1	**125.00**
W89-795	6128250001	68J2801	18"	CCW	34°	4	Intake	1/2"	1	**125.00**
Goodman										
W89-796	6128300001	B10867-56	18"	CCW	29°	3	Intake	1/2"	1	**95.00**
W89-797	6128390001	B10867-50	22"	CCW	24°	3	Intake	1/2"	2	**129.00**
W89-798	6128310001	B10867-48	22"	CCW	30°	3	Intake	1/2"	2	**129.00**

OEM Replacement Fixed Hub Blades

2-Wing Blades with 1/2" Hub

- Designed for lower static pressure applications
- Direct replacement for Rheem Rudd, GE and Slinger-climate control
- Individually boxed



Order #	Mfg. #	Size	Rot.	Pitch	Blades	Hub Location	Hub Bore	RPM	HP	Std. Pk.	Wt. Lbs.	Each
W89-547	R21802	18"	CW	24°	2	Intake	1/2"	—	0.07	1	2	**119.00**
W89-548	R21804	18"	CW	29°	2	Intake	—	—	0.10	1	2.15	**315.00**
W89-549	R21803	18"	CCW	29°	2	Intake	—	—	0.10	1	1.9	**145.00**
W80-245	R21805	18"	CCW	33°	2	Intake	1/2"	1140	—	1	1.9	**155.00**
W89-551	R22003	20"	CCW	29°	2	Intake	—	—	0.14	1	2.8	**155.00**
W89-553	R22202	22"	CCW	27°	2	Intake	—	—	0.19	1	2.65	**205.00**
W89-554	R22203	22"	CCW	29°	2	Intake	—	—	0.21	1	3.2	**245.00**
W80-246	R22404	24"	CCW	27°	2	Intake	1/2"	1140	—	1	2.35	**175.00**

Hub Blaster Fan Blade/Hub Puller Kit

- Kit has all parts necessary to remove blower wheel from shaft adapters 1" to 1-5/8" O.D.
- Custom molded plastic carrying case
- Will work on some taller shafts
- Works for any HVAC motor replacement
- Made from high carbon steel



Order #	Mfg. #	Each
H28-791	HB100	**425.00**

cps



Gear Pulley Removers

- Remove hard to reach gears and pulleys
- 2 to 3 removabe jaws
- Inward or outward gripping positions

Order #	Mfg. #	Capacity	Max. Reach	Max. Spread	Each
H28-920	BTLGP4	10 Ton	4"	4"	**145.00**
H28-921	BTLGP7	20 Ton	7"	7"	**269.00**



Fan Blade Pullers

- Heavy-duty jaws
- Removes fan blades and blower wheels from rusty shafts

Order #	Mfg. #	Description	Capacity	Each
H24-801	A89000	Heavy-Duty Machined	—	**225.00**
H25-230	053804-01	Solid Stock Aluminum	75 ft lbs	**255.00**

Sensible Products®



Ultimate Puller

- Removes various sizes of fan blades and blower wheels
- Both pushing and pulling force
- Hardened steel hooks and screws won't flatten with use

Order #	Mfg. #	Each
H85-404	UP-1	**145.00**

marathon™ Motors



Blower Wheel Puller

- 6" barrel will work on shafts up to 5-1/2" long
- Wide mouth hub lock will work on hubs up to 2" diameter
- Square head bolts on hub lock and hardened push bolt

Order #	Mfg. #	Each
H24-948	KIT-256	**465.00**

Packard



Fan Blade Pitch Gauge

- Tool to help determine pitch on blade before replacing

Order #	Mfg. #	Each
H24-850	PG5099801	**79.00**

marathon™ Motors



Shaft Locking Tool

- Made of 1/2" thick steel, it locks on motor shaft beneath hub of propeller-type fan blade, providing a pry point for prying off blade
- Complete with instructions

Order #	Mfg. #	Description	Each
H24-958	KIT-257	Locking Tool	**149.00**

marathon™ Motors



Forged Steel Fork

- Has tines 11/16" apart for prying off pulleys, fan blades, etc. from any motor shaft 5/8" diameter or smaller
- 16" length provides maximum leverage

Order #	Mfg. #	Each
H24-959	KIT-258	**215.00**

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Soft Brass Punch

- For removal of pulleys, fan blades, etc.
- Dimensions: 3/4" D x 5" L
- 5% leaded brass



Order #	Description	Each
H24-960	Brass Punch	**75.00**

Two-Wing Condenser Fan Blades

- Replacements for Rheem-Ruud, GE and others

Note: W89-073, **W89-074**, **W89-075** and **W89-076** on some older styles may require separate hub



Order #	Mfg. #	Size	Rot.	Pitch	Blades	Hub Location	Hub Bore	CFM @1140 RPM & 0.30 in. w.c.	HP @ 1140 RPM & 0.30 in. w.c.	Std. Pk.	Wt. Lbs.	Each	2 Lot
W89-125	6141660001	14"	CW	36°	2	Discharge Conn.	1/2"	—	—	2	3.0	**89.00**	**85.00**
W89-073	60-7725-01	18"	CCW	28°	2	Intake	1/2"	1189	1/5	2	5.0	**89.00**	**85.00**
W89-126	60-6521-01	18"	CCW	32°	2	Intake	1/2"	—	—	2	4.5	**89.00**	**85.00**
W89-074	60-7726-01	20"	CCW	28°	2	Intake	1/2"	1827	1/3	2	5.0	**89.00**	**85.00**
W89-075	60-7727-01	22"	CCW	16°	2	Intake	1/2"	1188	1/4	2	5.0	**105.00**	**95.00**
W89-076	60-8142-01	22"	CCW	27°	2	Intake	1/2"	3060	1/3	2	8.0	**119.00**	**115.00**
W89-127	60-7728-01	24"	CCW	27°	2	Intake	1/2"	—	—	2	5.0	**105.00**	**99.00**

Interchangeable Hubs

- Bore size fits most field uses
- Fits all models with interchangeable hubs
- Has both hex and round mounting
- Includes set screws and three mounting screws



Order #	Mfg. #	Hub Bore	Set Screws	Each	6 Lot
W69-120	60-7658-01	1/4"	1	**31.99**	**30.49**
W69-121	60-7658-02	5/16"	1	**31.99**	**30.49**
W69-122	60-7658-03	3/8"	1	**31.99**	**30.49**
W69-123	60-7658-04	1/2"	2	**29.49**	**27.99**
W69-124	60-7658-05	5/8"	2	**36.99**	**34.99**
W69-125	60-7658-06	3/4"	2	**36.99**	**34.99**

Anti-Windmill Brakes

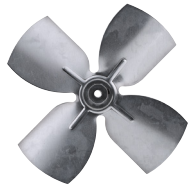
Stops Reverse Rotation of Motor Due to Wind

- Keeps motor from windmilling in wrong direction
- Shaft will rotate freely in correct direction
- Will work with rainshield and different fan blades already in place



Order #	Mfg. #	Shaft Diam.	Wt. Lbs.	Each
S58-725	A60012	1/2"	0.17	**169.00**
S58-726	A60058	5/8"	0.17	**175.00**

Light-Duty Aluminum Fan Blades



Order #	Size	Rot.	Pitch	Blades	Hub Location	Hub Bore	Std. Pk.	Wt. Lbs.	Each	10 Lot
S58-207	5-1/2"	CW	19°	4	Intake	3/16"	1	0.5	**23.99**	**22.99**
S58-208	6"	CW	19°	4	Intake	3/16"	1	0.04	**16.49**	**15.49**
S58-209	6-1/2"	CW	19°	4	Intake	3/16"	1	0.05	**21.49**	**20.49**
S58-238	5-1/2"	CW	19°	4	Intake	1/4"	1	0.3	**17.99**	**16.99**
S58-235	6"	CW	19°	4	Intake	1/4"	1	0.006	**16.99**	**16.49**
S58-239	6-1/2"	CW	19°	4	Intake	1/4"	1	0.1	**21.99**	**20.99**

Packard

5-Wing Hub Type Fan Blades



Order #	Size	Rot.	Pitch	Blades	Hub Location	Hub Bore	Air Flow	Std. Pk.	Wt. Lbs.	Each	10 Lot
Air Flow Away From Motor											
S58-130	5-1/2"	CW	27°	5	Intake	1/4"	Away from Motor	1	0.1	**26.49**	**24.99**
S58-140	5-1/2"	CW	27°	5	Intake	5/16"	Away from Motor	1	0.1	**21.99**	**20.99**
S58-588	6"	CW	27°	5	Intake	1/4"	Away from Motor	1	0.1	**27.49**	**25.99**
S58-590	6"	CW	27°	5	Intake	5/16"	Away from Motor	1	0.2	**30.49**	**28.99**
S58-132	7"	CW	27°	5	Intake	1/4"	Away from Motor	1	0.1	**25.49**	**23.99**
S58-142	7"	CW	27°	5	Intake	5/16"	Away from Motor	1	0.1	**26.99**	**25.99**
S58-134	8"	CW	27°	5	Intake	1/4"	Away from Motor	1	0.1	**33.49**	**31.49**
S58-144	8"	CW	27°	5	Intake	5/16"	Away from Motor	1	1	**31.49**	**29.99**
S58-136	9"	CW	26°	5	—	1/4"	Away from Motor	1	0.1	**37.99**	**35.99**
S58-146	9"	CW	26°	5	Intake	5/16"	Away from Motor	1	0.1	**35.99**	**34.49**
S58-138	10"	CW	20°	5	Intake	1/4"	Away from Motor	1	0.1	**40.99**	**38.99**
S58-148	10"	CW	20°	5	Intake	5/16"	Away from Motor	1	0.25	**32.99**	**31.49**
S58-592	12"	CW	23°	5	Discharge	5/16"	Away from Motor	1	0.05	**65.00**	**59.00**
W89-164	14"	CW	39°	5	Intake	1/2"	Away from Motor	1	0.64	**75.00**	**69.00**
Air Flow Towards Motor											
S58-131	5-1/2"	CCW	27°	5	Intake	1/4"	Toward Motor	1	0.1	**23.49**	**22.49**
S58-141	5-1/2"	CCW	27°	5	Intake	5/16"	Toward Motor	1	0.2	**21.49**	**20.49**
S58-589	6"	CCW	27°	5	Intake	1/4"	Toward Motor	1	0.1	**27.49**	**25.99**
S58-591	6"	CCW	27°	5	Intake	5/16"	Toward Motor	1	0.1	**30.49**	**28.99**
S58-133	7"	CCW	27°	5	Intake	1/4"	Toward Motor	1	0.1	**25.49**	**23.99**
S58-135	8"	CCW	27°	5	Intake	1/4"	Toward Motor	1	0.1	**32.99**	**30.99**
S58-145	8"	CCW	27°	5	Intake	5/16"	Toward Motor	1	0.2	**31.49**	**29.99**
S58-137	9"	CCW	26°	5	Intake	1/4"	Toward Motor	1	0.1	**31.99**	**30.49**
S58-147	9"	CCW	26°	5	Intake	5/16"	Toward Motor	1	0.1	**35.49**	**33.49**
S58-139	10"	CCW	20°	5	Intake	1/4"	Toward Motor	1	0.1	**40.49**	**38.49**
S58-149	10"	CCW	20°	5	Intake	5/16"	Toward Motor	1	0.26	**34.49**	**32.99**
S58-629	10"	CCW	30°	5	Intake	5/16"	Toward Motor	1	0.26	**34.49**	**32.99**

Packard

10-Wing, One-Piece Stamped Small Aluminum Blades

- CFM is at 3000 RPM



Order #	Mfg. #	Size	Rot.	Blades	Hub Location	Hub Bore	CFM	Std. Pk.	Wt. Lbs.	Each	10 Lot
S58-583	A61949	2-1/2"	CW	10	Intake	3/16"	45	1	0.05	**9.75**	**9.25**
S58-584	A61950	3"	CW	10	Intake	3/16"	60	1	0.2	**12.49**	**11.49**
S59-098	A61954	3"	CW	10	Intake	1/4"	60	1	0.2	**33.99**	**32.49**
S58-180	A61951	3-1/2"	CW	10	Intake	3/16"	100	1	0.05	**10.99**	**10.49**
S58-585	A61952	4"	CW	10	Intake	3/16"	200	1	0.07	**15.99**	**14.99**
S58-586	A61465	4-1/2"	CW	10	Intake	3/16"	300	1	0.07	**14.99**	**14.49**
S58-587	A61467	5"	CW	10	Intake	3/16"	400	1	0.07	**14.99**	**13.99**

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Hubless Aluminum Fan Blades

- Blades made for use with GE, Morrill, Emerson and other unit bearing motors
- Rotation shown is for suction application
- For blower application use opposite rotation motor
- Rotation indicates rotation lead end



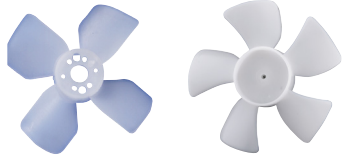
Order #	Mfg. #	Size	Rot.	Pitch	Blades	Hub Location	Std. Pk.	Wt. Lbs.	Each
S58-265	A63607	6"	CW	30°	5	Hubless	1	0.1	**21.99**
S58-593	A61608	6-3/4"	CW	21°	5	Hubless	1	0.1	**25.99**
S58-594	A61103	7"	CW	25°	5	Hubless	1	0.05	**20.49**
S58-085	A63100	7-3/4"	CW	22°	5	Hubless	1	0.5	**24.49**
S58-595	A63806	8"	CW	22°	5	Hubless	1	0.17	**23.99**
W89-898	A61831	8"	CW	31°	5	Hubless	1	0.4	**35.99**
W89-899	A61835	8"	CW	35°	5	Hubless	1	0.4	**37.99**
S58-596	A61807	8-3/4"	CW	25°	5	Hubless	1	0.3	**20.49**
S58-597	A63906	9"	CW	25°	5	Hubless	1	0.2	**25.99**
S58-083	A63126	10"	CW	25°	5	Hubless	1	0.025	**27.49**

Order #	Mfg. #	Size	Rot.	Pitch	Blades	Hub Location	Std. Pk.	Wt. Lbs.	Each
S58-630	A61108	10"	CW	30°	5	Hubless	1	0.25	**29.49**
S58-266	A63617	6"	CCW	30°	5	Hubless	1	0.1	**23.49**
S58-656	A61104	7"	CCW	25°	5	Hubless	1	0.1	**21.49**
S58-667	A65751	7-3/4"	CCW	22°	5	Hubless	1	0.1	**19.99**
S58-657	A63816	8"	CCW	22°	5	Hubless	1	0.14	**24.49**
W89-897	A61837	8"	CCW	37°	5	Hubless	1	0.4	**37.99**
S58-658	A61817	8-3/4"	CCW	25°	5	Hubless	1	0.1	**27.49**
S58-659	A63916	9"	CCW	25°	5	Hubless	1	0.2	**27.49**
S58-660	A63116	10"	CCW	25°	5	Hubless	1	0.2	**30.99**
S58-661	A63117	10"	CCW	30°	5	Hubless	1	1	**31.49**

Four and Five-Blade Plastic Fan Blades

- **S58-459** special for Broan, Nutone and Air King bathroom ventilators
- **S58-602** special for Bohn #5101B

Fig.	Order #	Size	Rot.	Blades	Hub Bore	Each
A	**S58-484**	5-1/2"	CCW	4	3/16"	**8.89**
B	**S58-108**	4"	CW	5	1/8"	**8.79**
B	**S58-109**	4"	CCW	5	1/8"	**8.69**
B	**S58-106**	4"	CW	5	3/16"	**8.79**
B	**S58-107**	4"	CCW	5	3/16"	**8.79**
B	**S58-459**	5"	CW	5	3/16"	**11.99**
B	**S58-460**	5"	CCW	5	3/16"	**11.99**
B	**S58-602**	5-9/16"	CCW	5	3/16"	**11.49**



A B

Fan Blade

For Broan Fans

- 12° pitch
- Push-on
- For use with 99080218 (40000 series) range hood

Order #	Replaces	Size	Rot.	Blades	Each	10 Lot
S58-439	99020123 06118-00	6-5/8"	CW	5-Wing	**9.45**	**8.65**



Impeller Wheel

- **S58-462** replaces Broan #99110379

Fig.	Order #	Description	Diam.	Width	Hub Bore	Each
A	**S58-462**	CCW, D-Push-On	4-9/16"	1"	0.181"	**8.95**



A

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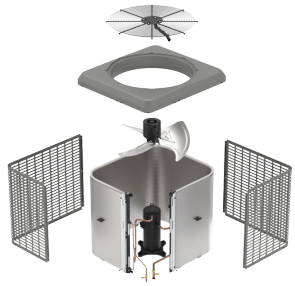

FASCO



Single Inlet Blower Wheels

For Room Air Conditioners, Power Burners, Draft Boosters, Other Heating and Appliance Devices

- Wheels are galvanized material
- Hubs may be bored to larger size if necessary
- Rotation viewed side opposite hub

Order #	Mfg. #	Diam.	Width	Hub Bore	Rot.	Max. RPM	Each
W69-177	1-6042	3-13/16"	1-7/8"	5/16"	CCW	3200	**75.00**
W69-178	1-6043	3-13/16"	1-7/8"	5/16"	CW	3200	**75.00**
W69-179	1-6045	3-13/16"	2-1/2"	5/16"	CCW	3200	**75.00**
W69-180	1-6044	3-13/16"	2-1/2"	5/16"	CW	3200	**85.00**
W69-229	1-6113	3-13/16"	1"	1/4"	CW	3200	**85.00**
W69-201	1-6051	3-13/16"	1-1/4"	1/4"	CCW	3600	**85.00**
W69-215	1-6133	4"	2-1/2"	1/4"	CCW	3600	**105.00**
W69-216	1-6141	4"	1-1/2"	5/16"	CCW	3600	**85.00**
W69-202	1-6052	4-1/4"	2-15/16"	1/4"	CCW	3600	**85.00**
W89-077	02895731	4-3/4"	3-7/16"	1/2"	CW	3450	**119.00**
W89-078	02895732	4-3/4"	3-7/16"	1/2"	CCW	3450	**119.00**
W89-079	1-6024	5-1/4"	2-1/2"	5/16"	CW	1725	**95.00**
W89-081	1-6053	5-1/4"	3"	5/16"	CW	1725	**99.00**
W89-082	1-6054	5-1/4"	3"	5/16"	CCW	1725	**99.00**
W89-182	1-6143	5-3/4"	1-1/2"	5/16"	CCW	3600	**185.00**

Order #	Mfg. #	Diam.	Width	Hub Bore	Rot.	Max. RPM	Each
W89-083	1-6058	6"	3-1/4"	1/2"	CW	1725	**109.00**
W89-084	1-6010	6"	3-1/4"	1/2"	CCW	1725	**125.00**
W89-085	02895747	6-5/16"	3-7/16"	1/2"	CW	3450	**125.00**
W89-086	02895748	6-5/16"	3-7/16"	1/2"	CCW	3450	**125.00**
W89-087	02895749	6-5/16"	3-13/16"	1/2"	CW	3450	**125.00**
W89-090	1-6071	7-1/2"	3-1/2"	1/2"	CCW	1725	**145.00**
W89-149	1-6006	8"	4"	1/2"	CW	1725	**195.00**
W89-091	1-6076	8-1/2"	3"	1/2"	CW	1725	**185.00**
W89-092	1-6077	8-1/2"	3"	1/2"	CCW	1725	**179.00**
W89-093	1-6007	9-1/8"	4-1/4"	1/2"	CW	1725	**199.00**
W89-094	1-6078	9-1/8"	4-1/4"	1/2"	CCW	1725	**185.00**
W89-095	1-6079	9-15/16"	4"	1/2"	CW	1725	**205.00**
W89-096	1-6080	9-15/16"	4"	1/2"	CCW	1725	**205.00**
W89-097	1-6027	9-15/16"	6"	1/2"	CW	1725	**215.00**

Packard



Replacement Blower Wheel

- For Nutone # 5900A000
- CW rotation
- Measures 5-3/4" x 2" x 1/4

Order #	Mfg. #	Each
S58-976	A65900	**25.99**

Lau



Double Inlet Replacement Blower Wheels

- For heating and air conditioning use
- Belt drive wheels work for either rotation
- Mount by set-screw in hub with keyway
- Wheel diameter is measured from outer edge to outer edge of the wheel blades and indicates the true diameter of the wheel

Note: Direction or rotation is determined while viewing hub

Order #	Mfg. #	Diam.	Width	Hub Bore	Rot.	Max. RPM	Center Disc	Drive Type	Each	3 Lot
W89-330	01333501	9-1/2"	6"	1/2"	CW	1750	Convex	Direct	**325.00**	**305.00**
W89-321	01333701	9-1/2"	8"	1/2"	CW	1750	Convex	Direct	**325.00**	**305.00**
W88-946	01333602	9-1/2"	7-1/8"	1/2"	CW	1750	Convex	Direct	**325.00**	**305.00**
W88-947	01333201	9-1/2"	9-1/2"	1/2"	CW	1750	Concave	Direct	**325.00**	**305.00**
W89-329	01333203	9-1/2"	9-1/2"	1/2"	CCW	1750	Concave	Direct	**325.00**	**305.00**
W89-225	01332601	10-5/8"	6"	1/2"	CW	1750	Convex	Direct	**359.00**	**345.00**
W89-168	01332501	10-5/8"	7-1/8"	1/2"	CW	1750	Convex	Direct	**359.00**	**345.00**
W88-948	01332401	10-5/8"	8"	1/2"	CW	1750	Convex	Direct	**359.00**	**345.00**
W89-324	01332402	10-5/8"	8"	1/2"	CCW	1750	Convex	Direct	**359.00**	**345.00**
W89-169	01331701	10-5/8"	9-1/2"	1/2"	CW	1750	Concave	Direct	**359.00**	**345.00**
W88-949	01331602	10-5/8"	10-5/8"	1/2"	CW	1750	Concave	Direct	**359.00**	**345.00**
W89-323	01332203	10-5/8"	10-5/8"	1/2"	CW	1750	Convex	Direct	**359.00**	**345.00**
W89-170	01331606	10-5/8"	10-5/8"	1/2"	CCW	1750	Concave	Direct	**359.00**	**345.00**
W89-171	02694009	11-3/4"	9-1/2"	1/2"	CW	1550	Convex	Direct	**409.00**	**389.00**
W89-172	02694111	11-3/4"	10-5/8"	1/2"	CW	1550	Concave	Direct	**409.00**	**389.00**
W89-173	01369325	12-5/8"	9-1/2"	1/2"	CW	1200	Convex	Direct	**479.00**	**455.00**
W89-326	01556507	12-5/8"	12-5/8"	1/2"	CW	1200	Concave	Direct	**479.00**	**455.00**
W89-066	00862112	9-1/2"	7-1/8"	3/4"	Either	2400	Double	Belt	**269.00**	**255.00**
W89-067	00851912	9-1/2"	9-1/2"	3/4"	Either	2400	Double	Belt	**269.00**	**255.00**
W89-068	00836012	10-5/8"	10-5/8"	3/4"	Either	2100	Double	Belt	**285.00**	**275.00**
W89-069	00850716	12-5/8"	9-1/2"	1"	Either	2500	Double	Belt	**375.00**	**355.00**
W89-070	00840316	12-5/8"	12-5/8"	1"	Either	1800	Double	Belt	**485.00**	**459.00**
W89-071	00827616	15"	15"	1"	Either	1550	Double	Belt	**569.00**	**545.00**
W89-072	00865816	18-5/8"	18"	1"	Either	1200	Double	Belt	**975.00**	**929.00**

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Replacement Blower Wheels

For Carrier

- **W89-901** replaces Carrier LA21RB549
- **W89-900** replaces Carrier LA21RB548
- **W89-902** replaces LA11AA005
- **S59-508** replaces LA11XA048

Applications:
- Condensers, draft boosters, flue exhaust, small appliances and furnaces

Fig.	Order #	Mfg. #	Diam.	Width	Hub Bore	Rot.	Max. RPM	Each	3 Lot
A	**W89-901**	BW16549	5-1/4"	1"	5/16"	CW	—	**125.00**	**115.00**
A	**W89-900**	BW16548	5-3/4"	1"	5/16"	CW	—	**125.00**	**115.00**
B	**W89-902**	A65569BW	4.00"	1-1/2"	5/16"	CCW	3000	**85.00**	**82.00**
B	**S59-508**	A65048BW	3.82"	1.65"	5/16"	CW	—	**89.00**	**85.00**



A



B

Direct Drive Double Inlet Blower Wheels

- For fan coil units and other air moving devices
- Rotation viewing hub extension side



Order #	Mfg. #	Diam.	Width	Hub Bore	Rot.	Max. RPM	Each
W89-130	2-6011	4-13/16"	7"	1/2"	CW	3600	**135.00**
W89-131	2-6029	4-13/16"	7"	1/2"	CCW	3600	**135.00**
W89-174	02895802	5-1/4"	5-7/8"	1/2"	CW	3450	**155.00**
W69-268	02895816	5-1/4"	5-7/8"	1/2"	CCW	3450	**155.00**
W89-318	02895803	5-1/4"	6-7/8"	1/2"	CW	3450	**195.00**
W89-132	2-6030	5-1/4"	7"	1/2"	CW	3600	**135.00**
W89-133	2-6012	5-1/4"	7"	1/2"	CCW	3600	**135.00**
W89-134	2-6013	5-9/16"	6-1/2"	1/2"	CW	2500	**139.00**
W89-135	2-6014	5-9/16"	6-1/2"	1/2"	CCW	2500	**139.00**
W89-175	02895804	5-3/4"	5-7/8"	1/2"	CW	3450	**195.00**
W69-269	02895820	5-3/4"	5-7/8"	1/2"	CCW	3450	**215.00**

Order #	Mfg. #	Diam.	Width	Hub Bore	Rot.	Max. RPM	Each
W89-176	02895805	5-3/4"	6-7/8"	1/2"	CW	3450	**195.00**
W69-270	02895821	5-3/4"	6-7/8"	1/2"	CCW	3450	**209.00**
W89-136	2-6031	5-3/4"	7-5/8"	1/2"	CW	3000	**145.00**
W89-137	2-6032	5-3/4"	7-5/8"	1/2"	CCW	3000	**145.00**
W89-327	02895822	5-3/4"	7-5/8"	1/2"	CW	3450	**205.00**
W89-322	02895824	5-3/4"	8"	1/2"	CW	3450	**205.00**
W89-177	02895806	5-3/4"	8-1/2"	1/2"	CW	3450	**195.00**
W69-271	02895826	5-3/4"	8-1/2"	1/2"	CCW	3450	**239.00**
W89-178	02895807	6-5/16"	7-5/8"	1/2"	CW	3450	**215.00**
W69-272	02895829	6-5/16"	7-5/8"	1/2"	CCW	3450	**229.00**

Belt Drive Double Inlet Commercial Blower Wheels

- Heavy-duty cold steel welded construction
- Forward curved wheels
- 37 blades
- All keyways are 3/8" x 3/16", except **W91-182**, which is 1/2" x 1/4"



Order #	Mfg. #	Diam.	Width	Hub Bore	Rot.	Max. RPM	Drive Type
W91-176	05031403K	20"	20"	1-7/16"	Either	1310	Belt
W91-177	05031406K	20"	20"	1-11/16"	Either	1310	Belt
W91-179	05031208K	22"	22"	1-11/16"	Either	1200	Belt

Order #	Mfg. #	Diam.	Width	Hub Bore	Rot.	Max. RPM	Drive Type
W91-180	05031003K	25"	25"	1-7/16"	Either	1030	Belt
W91-181	05031006K	25"	25"	1-11/16"	Either	1030	Belt
W91-182	05031012K	25"	25"	1-15/16"	Either	1030	Belt

Shafts

- Premium shafting, ground and polished to a mirror finish



Order #	Mfg. #	Diam.	Length	Each	2 Lot
L86-159	S38220501	5/8"	20"	**99.00**	**95.00**
L86-157	S38209601	3/4"	20"	**95.00**	**89.00**
L86-158	S38269301	3/4"	35"	**119.00**	**115.00**

Order #	Mfg. #	Diam.	Length	Each	2 Lot
L86-156	S38209501	1"	25"	**165.00**	**159.00**
L86-160	S38249201	1"	35"	**189.00**	**179.00**

Thrust Spacer Kits



- Assortment of spacers for easy adjustment on any blower
- Sold in packages of 12 assorted spacers

Order #	Mfg. #	Description	O.D.	Length	Shaft Diam.	Size	Dimensions L x W	Each	2 Lot
S58-473	38249101	12 per bag	5/8"	5/8"	5/8"	5/8" diameter	5/8" x 5/8"	**37.99**	**36.49**
S58-474	38249102	12 per bag	3/4"	3/4"	3/4"	3/4" diameter	3/4" x 3/4"	**42.99**	**40.99**
S58-475	38249103	12 per bag	1"	1"	1"	1" diameter	1" x 1"	**46.49**	**44.49**

Stamped Bearing Brackets

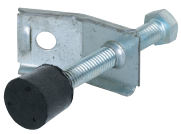
"Y" Bracket for Belt Drive Blowers



- For use with bearings with a 2-1/2" O.D.

Order #	Mfg. #	For Use With	O.D.	Length	Dimensions L x W	Wt. Lbs.	Each	2 Lot
L86-187	015730-01	For 12" Blower	2-1/2"	9-5/16"	9-5/16" x 9-5/16"	2.0	**99.00**	**95.00**
L86-188	014431-02	For 15" Blower	2-1/2"	11-13/16"	11-13/16" x 11-13/16"	2.8	**169.00**	**159.00**
L86-189	008960-04	For 18" Blower	2-1/2"	14-5/16"	14-5/16" x 14-5/16"	3.0	**195.00**	**185.00**

Belt Adjustment — Tail Piece Assembly



- For belt adjustment on belt driven blowers, air handlers and evaporative coolers

Order #	Mfg. #	Description	Each
S58-463	38252301	Tail Piece Assembly	**42.99**

Bearing Bracket and Bracket Kits

For Belt Drive Blowers



- Knock down bracket only replaces stamped "Y" brackets
- Includes parts for one pair of brackets
- Kits have two bearing brackets, one shaft, washers, collars and instructions

Order #	Mfg. #	For Use With	O.D.	Length	Shaft Diam.	Size	Wt. Lbs.	Each	2 Lot
L37-478	38-2699-01	18-1/2" bolt circle	1-13/16"	9-1/8"	—	1-13/16" OD	4.00	**125.00**	**119.00**
L86-124	029175-01	9"-16" Blowers	3/4"	20"	3/4"	20" shaft	5.75	**435.00**	**415.00**
L86-125	029176-01	9"-16" Blowers	1"	25"	1"	25" shaft	9.50	**499.00**	**475.00**

Evergreen® Mounting Kits



Order #	Mfg. #	Mounting Centers	Each	3 Lot
S59-771	5K002	9"	**155.00**	**145.00**
S59-429	5K004	11"	**165.00**	**149.00**
S59-430	5K005	13"	**235.00**	**209.00**

Rheem Mounting Plate for 48 Frame Condenser Motor



- Bracket allows 48 frame condenser fan motors to be adapted to Rheem mounting hole locations

Order #	Mfg. #	For Use With	Each
S59-613	2098A	48 Frame Condenser Fan Motors	**79.00**

Rubber Motor Mounts



A B

- **S58-418**: three mounts per package
- **S58-419**: six mounts per package

Fig.	Order #	Description	Each
A	**S58-418**	Fits 3/4" Slot	**14.99**
B	**S58-419**	Fits 1/2" Slot	**9.79**

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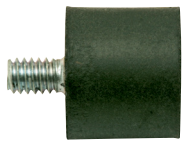
Rubber Motor Mounts

- Eliminate noise and excessive vibration
- Used for motors, compressors, fans, pumps, etc.
- **S58-516** has stud one end, female threaded other end
- **S58-700** is sold as a 4-pack of mounts



Order #	Mfg. #	Dimensions L x W	Studs Each End	Each
S58-516	MNT1518	1/2" x 1/2"	1/4" x 8–32	**15.99**

Shaft Adapter Bushings

- 3/16" open slot for keyway or round hole for set screw
- Steel, zinc plated



Order #	I.D.	O.D.	Length	Each	5 Lot
S58-681	0.181"	1/4"	3/4"	**5.45**	**4.89**
S58-682	1/4"	5/16"	1"	**7.59**	**6.85**
S58-683	1/4"	3/8"	1-1/16"	**7.19**	**6.49**
S58-684	5/16"	3/8"	1-1/16"	**8.75**	**7.89**
S58-689	3/8"	7/16"	1-1/16"	**5.79**	**5.25**

Order #	I.D.	O.D.	Length	Each	5 Lot
S58-690	3/8"	1/2"	1-1/16"	**8.89**	**8.05**
S58-691	5/16"	1/2"	1-1/4"	**9.35**	**8.45**
S58-692	1/2"	5/8"	1-1/16"	**9.79**	**8.85**
S58-693	5/8"	3/4"	1-1/4"	**10.99**	**9.79**
S58-695	3/4"	1"	1-1/4"	**33.49**	**30.49**

Shaft Extension Kit

- Extends shaft up to 4-1/2" in length
- Kit includes coupler and set screws



Order #	Mfg. #	Diam.	Length	Each
S58-697	A61308K	1/4"	4-1/2"	**31.49**

Unit Bearing Motor Adapter

- Screws on to motor shaft to convert from threaded shaft to 1/4" x 1" long round shaft
- Will accept hub type blades

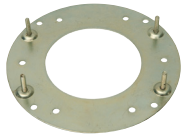


Order #	Description	Each
S58-087	Motor Adapter	**24.99**

Fedders Bolt Pattern Adapter

For 5" to 5-5/8" Diameter Motors

- Adapts 48 frame motors to Fedders bolt pattern of 2-9/16" x 4-5/16"

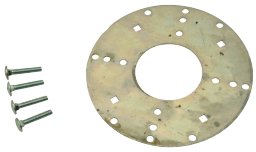


Order #	Mfg. #	Description	Each
S58-404	87256032	Pattern Adapter	**46.99**

Franklin Redmond Pattern Adapter

For 4-1/8" Diameter Mounting

- Kit includes one adapter plate to match various motor mountings to old Franklin/Redmond bolt pattern, four carriage bolts and eight nuts



Order #	Mfg. #	Description	Each
S58-568	87256145	Pattern Adapter	**79.00**

Motor Rain Shields

Century

- Fits NEMA 42, 48 or 56 frame motors
- 6-3/4" diameter



A B

Fig.	Order #	Type	Hub Bore	Each
A	**S58-389**	Disc	1/2"	**17.49**
A	**S58-390**	Disc	5/8"	**49.99**

Fig.	Order #	Type	Hub Bore	Each
B	**S58-392**	Dish	5/8"	**69.00**

Rheem-Ruud Mounting Plate

Packard

- Punched, plated steel plate replaces cable or screw mounts
- Replaces Rheem #AS55306-01



Order #	Description	Each
S58-513	Mounting Plate	**42.49**

Rheem-Ruud Motor Mounting Cables

Packard

- For use with condensing units listed below

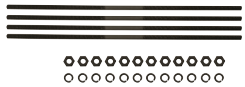


Order #	For Use With	Length	HP	Pkg. Qty.	Each
S58-476	ACA-18, -24, -30	3-1/4"	1/6	4	**38.49**

7" Long Motor Stud Kits With Motor Tie Rods

Century

- Each kit contains four studs, 12 nuts and 12 washers



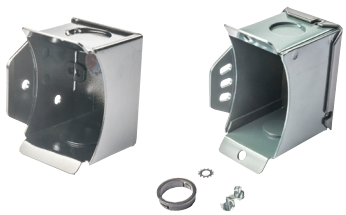
Order #	Description	Each
S58-489	8-32 Stud Kit	**41.99**
S58-490	10-32 Stud Kit	**40.99**

Conduit Boxes

For Use in Connecting Motors to Conduit

FASCO

- **S58-561** is for 3-3/8" motors
- **S58-561** mounts on one of the extended motor stud bolts
- **S58-562** is for 4-3/8" and larger motors
- **S58-562** can be mounted on motor frame or extended motor stud bolts



A B

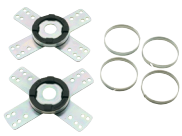
Fig.	Order #	Mfg. #	Each
A	**S58-561**	87256035	**75.00**

Fig.	Order #	Mfg. #	Each
B	**S58-562**	87256150	**65.00**

Motor Length Adapter Kits

For 5-1/2" to 5-5/8" Diameter Motors

- Kits include two adapter brackets, two 2-1/4" O.D. resilient rings, four split rings and 12 nuts



Order #	Mfg. #	For Use With	Each
S58-544	—	US Motors	**129.00**
S58-545	87256000	Fasco	**75.00**
S58-402	—	Magnetek	**115.00**

5" Motor Length Adapter Kit

FASCO

- Provides means to base mount 5" diameter Fasco motors
- Kit includes two adapter plates, two rubber rings, two split rings and eight nuts



Order #	Mfg. #	Description	Each
S58-567	87256146	Length Adapter Kit	**105.00**

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Adapter Bracket and Rubber Grommets

- For use with 3-3/8" (3.3") diameter motors
- Three 15/22" diameter holes equally spaced on 4-3/8" diameter and two mounting holes on 2-27/32" diameter
- Grommets sold three per pack



Order #	Description	Each
S58-383	Adapter Bracket	**46.99**
S58-384	Rubber Grommets	**25.99**

Auto-Tensioning Motor Bases

Tenso-Set™ Series 600

- Significantly reduces time required to change v-belts
- Promotes greater efficiency by constantly maintaining v-belt tension
- Tube rail and one-piece carriage design promotes and maintains superior drive alignment
- Eliminates need to cut off belts or roll them onto sheaves for improved safety
- Optional quick release mechanism for more efficient belt changes

Note: Larger sizes up to 286T frame available online



A



B

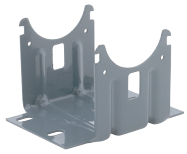
Fig.	Order #	Mfg. #	Description	For Use With	Each	6 Lot
Self-Adjusting						
A	**S59-491**	2779304	BSAMBN601	48-56 NEMA Frame Motors	**589.00**	**545.00**
A	**S59-493**	2779312	BSAMBN605	143-145 NEMA Frame Motors	**1345.00**	**1245.00**
A	**S59-495**	2779320	BSAMBN607	182-184 NEMA Frame Motors	**1599.00**	**1499.00**
A	**S59-497**	2779338	BSAMBN613	213-215 NEMA Frame Motors	**1999.00**	**1845.00**
Self-Adjusting Quick Release						
B	**S59-492**	2779361	BSAMBN601QR	48-56 NEMA frame motors	**949.00**	**875.00**
B	**S59-494**	2779379	BSAMBN605QR	143-145 NEMA Frame Motors	**1499.00**	**1345.00**
B	**S59-496**	2779387	BSAMBN607QR	182-184 NEMA Frame Motors	**2145.00**	**1999.00**
B	**S59-498**	2779395	BSAMBN613QR	213-215 NEMA Frame Motors	**2899.00**	**2645.00**

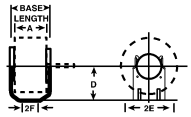
Resilient Bases

For 4-5/16", 5", 5-1/2" and 5-5/8" Diameter Motors

- Check “A” dimension of motor (overall body length, excluding hubs)
- Select base that fits motor body length
- Verify correct shaft height (“D” dimension)

Note: Resilient mounting rings, mounting clips and adapter rings not included.





Order #	Mfg. #	Base Length	D	A Length for 4-5/16" Diam.	A Length for 5-5/8" & 5" Diam.	2E	2F	Each
S58-356	1206	4-3/16"	2-11/16"	3-1/2"	3-3/4"	3-7/8"	1-11/16"	**129.00**
S58-357	1207A	4-11/16"	2-11/16"	4"	4-1/4"	3-7/8"	1-11/16"	**125.00**
S58-358	1211	4-3/16"	3"	3-1/2"	3-3/4"	3-15/16"	1-11/16"	**85.00**
S58-359	1212	4-11/16"	3"	4"	4-1/4"	3-15/16"	1-11/16"	**75.00**
S58-360	2061	3-15/16"	3"	3-1/4"	3-1/2"	3-15/16"	1-11/16"	**95.00**
S58-361	1422	4-7/16"	3"	3-3/4"	4"	4-1/4"	2-3/4"	**75.00**
S58-362	1226	4-7/8"	3"	4-1/4"	4-1/2"	3-15/16"	1-11/16"	**79.00**
S58-363	1292	5-1/8"	3"	4-1/4"	4-3/4"	3-15/16"	1-11/16"	**79.00**
S58-365	1340	5-11/16"	3"	5"	5-1/4"	4-1/4"	2-3/4"	**89.00**
S58-369	2062	3-15/16"	3-1/2"	3-1/4"	3-1/2"	3-15/16"	1-11/16"	**95.00**
S58-370	1209A	4-3/16"	3-1/2"	3-1/2"	3-3/4"	3-15/16"	1-11/16"	**85.00**
S58-373	1347	5-3/16"	3-1/2"	4-1/2"	4-3/4"	3-15/16"	1-11/16"	**85.00**
S58-374	1419	5-11/16"	3-1/2"	5"	5-1/4"	4-1/4"	2-3/4"	**89.00**

FASCO

Resilient Mounting Rings

- **S58-416** includes four split rings to increase to 2-1/2" O.D.
- Sold in pairs



A B

Fig.	Order #	Mfg. #	O.D.	For Use With	Motor Diam.	Each
A	**S58-350**	87256027	1-3/4"	Fasco	3-1/3"	**29.49**
A	**S58-624**	—	2-1/4"	Emerson	5"–5-5/8"	**39.99**
B	**S58-377**	—	2-1/4"	Magnetek	4-5/16"–5"–5-5/8"	**27.99**
B	**S58-416**	KIT-110	2-1/4"	Marathon	5-5/8"	**43.49**
A	**S58-618**	—	2-1/4"	A.O. Smith	5-5/8"	**25.49**

Fig.	Order #	Mfg. #	O.D.	For Use With	Motor Diam.	Each
A	**S58-625**	—	2-1/2"	A.O. Smith	5"–5-5/8"	**39.99**
A	**S58-615**	—	2-1/2"	A.O. Smith	5-1/2"	**75.00**
B	**S58-378**	—	2-1/2"	Magnetek	4-5/16"–5"–5-5/8"	**27.99**
B	**S58-380**	—	2-1/2"	Magnetek	5-5/8"	**43.99**

Century®

Adapter Rings

- Used to convert 2-1/4" diameter mounting rings to 2-1/2" O.D.
- Two per set



Order #	Description	Each
S58-381	Adapter Rings	**34.49**

Mounting Clips

- Set of two



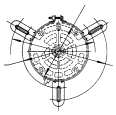
A B

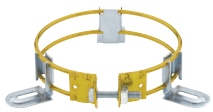
Fig.	Order #	Mfg. #	Description	O.D.	Each
A	**S58-382**	1181A	Light-Duty	2-1/4"	**26.49**
B	**S58-417**	KIT-113	Heavy-Duty	2-1/4"	**20.99**
B	**S58-286**	KIT-112	Heavy-Duty	2-1/2"	**20.99**

UE PARTS

Lug Mounting Brackets

- For 3.3" through 5-5/8" diameter motors
- Large lug size have 3/4" slot and small lug size have 1/4" slot
- A: approximate motor diameter
- B: minimum bolt circle mounting diameter
- C: maximum bolt circle mounting diameter





Order #	A	B	C	Each
S58-406	3-3/8"	4-5/8"	5-7/8"	**44.49**
S58-407	3-3/8"	5-7/8"	9-7/8"	**49.99**
S58-408	4-1/4"	5-1/2"	6-3/4"	**31.99**
S58-409	4-1/4"	6-3/4"	10-3/4"	**44.49**

Order #	A	B	C	Each
S58-410	5"	6-5/16"	7-9/16"	**40.99**
S58-411	5"	7-9/16"	11-9/16"	**55.00**
S58-412	5-5/8"	6-7/8"	8-1/8"	**40.49**
S58-413	5-5/8"	8-1/8"	12-1/8"	**47.49**

UE PARTS

Mounting Kits for Direct Drive Blower Motors

- Clamp-on brackets for mounting on the flat side of blower housings
- Individually packed, hardware and instructions included
- Includes extra hardware to allow use of standard motor in older Janitrol units



Order #	Mfg. #	For Use With	Motor Diam.	Each
S87-902	1386	9"	5"	**49.49**
S87-903	1479	10"	5-5/8"	**55.00**
S88-573	1495	11"	5-5/8"	**59.00**
S59-446	5209JS	12"	5-5/8"	**109.00**

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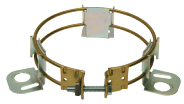
Mounting Kits for 4-3/4" To 5-5/8" Diameter Fan and Blower Motors

- Single band **S58-094** standard-duty kit fits motors 4-3/4" to 5-5/8" diameter
- Heavy-duty kit for 5-1/2" to 5-5/8" motors, **S58-470** features a double wire type band and has a slotted hole for stud mount plus a round hole for grommet mount, replaces UE #1410

Fig.	Order #	Mfg. #	Description	For Use With	Motor Diam.	Each
A	**S58-094**	13	Standard-Duty	—	—	**95.00**
A	**S58-470**	1410	Heavy-Duty	—	—	**55.00**
B	**S59-763**	24	—	For 5.6" diameter motor - 15" B.C. blower mount 4 legs	5.6"	**145.00**
B	**S59-764**	29	—	For 5.6" diameter motor - 16" B.C. blower mount 4 legs	5.6"	**155.00**


A


B

Motor Mounting Bracket

- For refrigeration condenser units
- Allows Gemline EM, TM and GE series motors to be interchanged with original motors
- 7-11/32" height shaft center to bracket base
- 6-1/2" distance between centerline of holes in bracket feet

Order #	Description	Each
S58-664	Mounting Bracket	**24.49**



Direct Drive Blower Mounting Bracket "Erector Set" Kits

Order #	Mfg. #	For Use With	Each	3 Lot
S58-493	38251401	9" Blower	**145.00**	**135.00**
S58-494	38251501	10" Blower	**159.00**	**155.00**
S58-495	02612601	12" Blower	**225.00**	**215.00**



Torsion Type Flexible Mounts

Fig.	Order #	Mfg. #	Description	Motor Diam.	Mounting Centers	Each
A	**S58-702**	FM50	3 Wing	5.0"	9" or 10"	**75.00**
A	**S58-703**	FM55	3 Wing	5.5"	9" or 10"	**79.00**
B	**S59-800**	HFM554	4 Wing	5.5"	9" or 10"	**115.00**


A


B

Torsion Type Flexible Mount

- Plastic inserts allow adjustment for 5" or 5.5" diameter applications

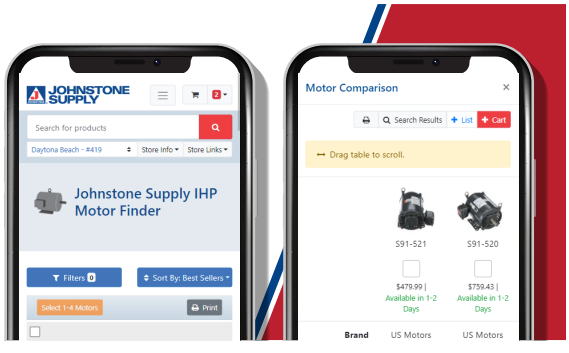
Order #	Mfg. #	Motor Diam.	Mounting Centers	Each
S58-974	TFM556	5" or 5.5"	9" or 10"	**85.00**



MOTOR FINDER

Find the Right Commercial IHP Motor and Save Time

JohnstoneSupply.com/Motor-Finder-Info
Must be logged into JohnstoneSupply.com to access



SIEMENS
Ingenuity for life

Furnas Magnetic Motor Starters

ESP 200 Class 14, Solid State



A



B

- Magnetic with solid state overload (does not require heaters)
- True phase loss protection; trips within 3 seconds
- Full voltage non-reversing
- Selectable trip class 5,10,20,30
- High accuracy trip curves: ± 2% repeat trip accuracy
- Overload is self protected against short circuits
- Overload is self powered; requires no hard wiring or separate power source
- Front removable auxiliary interlocks
- Dual voltage, dual frequency coils
- Three-phase, three-wire
- Figure A: open style starter only
- Figure B: NEMA Type 1 enclosed starter
- Starters are stocked with 110 to 120/220 to 240VAC dual voltage coils

Fig.	Order #	Mfg. #	Amps	Max. HP @ 240V	Max. HP @ 480V	NEMA Size	Each
A	**G80-062**	14CUB32AA	0.75 to 3.40	3/4	1-1/2	0	**955.00**
A	**G80-063**	14CUC32AA	3.00 to 12.00	2	5	0	**899.00**
A	**G80-064**	14CUC32AA	5.50 to 22.00	3	—	0	**899.00**
A	**G80-065**	14DUD32AA	5.50 to 22.00	3	10	1	**1099.00**
A	**G80-069**	14DUE32AA	10.00 to 40.00	7-1/2	—	1	**1099.00**
A	**G80-067**	14FUF32AA	13.00 to 52.00	15	25	2	**1899.00**

Fig.	Order #	Mfg. #	Amps	Max. HP @ 240V	Max. HP @ 480V	NEMA Size	Each
B	**G80-426**	14CUB32BA	0.75 to 3.40	3/4	1-1/2	0	**1099.00**
B	**G80-427**	14CUC32BA	3.00 to 12.00	2	5	0	**1099.00**
B	**G80-428**	14CUD32BA	5.50 to 22.00	3	—	0	**1099.00**
B	**G80-429**	14DUD32BA	5.50 to 22.00	3	10	1	**1345.00**
B	**G80-430**	14DUE32BA	10.00 to 40.00	7-1/2	—	1	**1345.00**
B	**G80-431**	14FUF32BA	13.00 to 52.00	15	25	2	**2399.00**

SIEMENS
Ingenuity for life

Furnas AC Coils



Order #	Mfg. #	NEMA Size	Volts 60 Hz	Volts 50 Hz	Each
G32-315	75D73070J	0–2-1/2	24	24	**245.00**
G32-316	75D73070A	0–2-1/2	110-120/220-240	110/190-220	**245.00**

Order #	Mfg. #	NEMA Size	Volts 60 Hz	Volts 50 Hz	Each
G32-317	75D73070C	0–2-1/2	220-240/440-480	190-220/380-440	**245.00**

SIEMENS
Ingenuity for life

Furnas Enclosures



- **G80-140** is for use with **G80-067** only

Order #	Mfg. #	NEMA Size	NEMA Type	Each
G80-180	49EC14EB110705R	0–1-3/4	1	**165.00**
G80-181	49EC14GB140805ER	2–2-1/2	1	**335.00**

Order #	Mfg. #	NEMA Size	NEMA Type	Each
G80-139	49EB14E0130806R	0–1-3/4	3R/12	**575.00**
G80-140	49EB14G0160907R	2–2-1/2	3R/12	**849.00**

SIEMENS
Ingenuity for life

Furnas Accessories



Order #	Mfg. #	Description	NEMA Size	For Use With	Each
G32-308	49AB10	Auxillary Contact Side Mtg. SPST Normally Open	0–4	All NEMA Enclosures	**179.00**
G32-309	49AB01	Auxillary Contact Side Mtg. SPST Normally Closed	0–4	All NEMA Enclosures	**179.00**
G32-319	49SAF0	Auxillary Power Pole N.O. 36A @ 600VAC	0–1-3/4	All NEMA Enclosures	**325.00**
G32-320	49SAFC	Auxillary Power Pole N.C. 25A @ 600VAC	0–1-3/4	All NEMA Enclosures	**325.00**
G38-103	49SDSBJ	3-Position Selector Switch with Bracket and Legend	00-4	NEMA 1 Enclosures	**215.00**

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Definite Purpose Motor Starters

- Combination definite purpose contactor and overload relay
- Class 10 trip class
- Selectable manual or automatic reset operation
- Electrically isolated NO-NC contacts
- Shrouded terminals for safety
- Additional coil voltages and F/L amp ranges are available by special order at participating locations
- Amps in chart are full load



Order #	Mfg. #	NEMA Frame	Coil Voltage	Amps	Each
G34-924	A27SNC25T1P6	C	24	1–1.6	**365.00**
G34-925	A27SNC25T2P4	C	24	1.6–2.4	**365.00**
G34-926	A27SNC25T006	C	24	4–6	**365.00**
G34-927	A27SNC25T016	C	24	10–16	**365.00**
G33-088	A27SNC25A1P6	C	110/120	1–1.6	**365.00**
G33-089	A27SNC25A2P4	C	110/120	1.6–2.4	**365.00**
G33-090	A27SNC25A004	C	110/120	2.4–4	**365.00**
G33-091	A27SNC25A006	C	110/120	4–6	**365.00**
G33-092	A27SNC25A010	C	110/120	6–10	**365.00**
G33-093	A27SNC25A016	C	110/120	10–16	**365.00**
G33-094	A27SNC25A024	C	110/120	16–24	**365.00**
G33-095	A27SNC25A032	C	110/120	24–32	**365.00**
G33-096	A27SNC25B1P6	C	208/240	1–1.6	**365.00**
G33-097	A27SNC25B2P4	C	208/240	1.6–2.4	**365.00**
G33-098	A27SNC25B004	C	208/240	2.4–4	**365.00**
G33-099	A27SNC25B006	C	208/240	4–6	**365.00**

Order #	Mfg. #	NEMA Frame	Coil Voltage	Amps	Each
G33-100	A27SNC25B010	C	208/240	6–10	**365.00**
G33-101	A27SNC25B016	C	208/240	10–16	**365.00**
G33-102	A27SNC25B024	C	208/240	16–24	**365.00**
G33-103	A27SNC25B032	C	208/240	24–32	**365.00**
G34-928	A27SNE30T010	D	24	6–10	**425.00**
G34-929	A27SNE30T016	D	24	10–16	**425.00**
G34-930	A27SNE30T024	D	24	16–24	**425.00**
G33-104	A27SNE30A024	D	110/120	16–24	**445.00**
G33-106	A27SNE30A040	D	110/120	24–40	**445.00**
G33-108	A27SNE40A024	D	110/120	16–24	**485.00**
G33-110	A27SNE40A040	D	110/120	24–40	**485.00**
G33-105	A27SNE30B024	D	208/240	16–24	**445.00**
G33-107	A27SNE30B040	D	208/240	24–40	**445.00**
G33-109	A27SNE40B024	D	208/240	16–24	**485.00**
G33-137	A27SNE40B040	D	208/240	24–40	**485.00**

Enclosures for Eaton Definite Purpose Motor Starters

- Empty enclosure with reset to be used with A27/B27 Definite Purpose starters
- Use with C600 cover control kits (**G37-333** or **G37-334**)



Order #	Mfg. #	Description	Each
G80-938	C899B156	Enclosure, NEMA 1 with Reset for A27/B27, 15-30A	**205.00**
G80-939	C899B137	Enclosure, NEMA 1 with Reset for A27/B27, 40A and 45A	**205.00**

Contactor Accessories

- **L37-578** is a side mounted auxiliary kit that is heavy-duty pilot rated for 10A at 600VAC with standard pressure plate terminals
- **L40-774** and **L40-775** are side mounted snap switch auxiliary contacts with quick connect terminals


A


B


C


D



E

Fig.	Order #	Mfg. #	Description	For Use With	Interlock Contacts	Each
A	**L37-581**	C321KM60B	Mechanical Interlock Kit	25 to 75A Contactors	—	**32.49**
B	**L37-578**	C320KG3	Auxiliary Contact (Old Style)	25 to 75A Contactors	1 N.O. & 1 N.C.	**40.99**
C	**L40-774**	C320SNP11	Auxiliary Contact	25 to 75A Contactors	1 N.O. & 1 N.C.	**31.49**
D	**L40-775**	C320SNP22	Auxiliary Contact	25 to 75A Contactors	2 N.O. & 2 N.C.	**65.00**
E	**L46-523**	C320DPG11	Auxiliary Contact	90A Contactors	1 N.O. & 1 N.C.	**85.00**
—	**L40-341**	C320KGS22	Auxiliary Contact	120A Contactors	1 N.O. & 1 N.C.	**149.00**

EATON
Powering Business Worldwide

Freedom Series NEMA Starters

Full Voltage Starter with Electronic Overload Relay

- Horizontal or vertical mounting on upright panel
- Holding circuit NO contact supplied as standard on each unit
- Designed for 3–5 million electrical operations and 10 million mechanical operations
- Straight through wiring, line lugs are at the top, load lugs at the bottom
- Screw-type power terminals have captive, backed-out self lifting pressure plate with screws, to reduce wiring time
- Accessible top coil terminals for easy wiring
- 95% less power consumption than an electromechanical overload relay
- Phase imbalance protection ensures efficient use of motor output
- Lower heat generation means higher density/ smaller panels, less secondary cooling needed
- Self-powered design covers from 01–1500 amps, users just need to dial the setting potentiometer to the motor FLA and the overload is ready to protect
- Other larger NEMA sizes, FLA overload ranges and coil voltages are available through Johnstone Supply


A


B


C

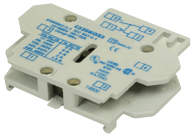

D


E


F


G


H


I


J


K

Fig.	Order #	Mfg. #	Description	Coil Voltage	Amps	Max. HP @ 208V	Max. HP @ 240V	Max. HP @ 480V	NEMA Size	Each
A	**G35-877**	AN19AN0T5E005	Freedom Starter, NEMA Size 00, 24VAC Coil, C440 Overload	24	1 - 5	1-1/2	1-1/2	2	00	**765.00**
A	**G35-878**	AN19AN0A5E005	Freedom Starter, NEMA Size 00, 110/120VAC Coil, C440 Overload	110/120	1 - 5	1-1/2	1-1/2	2	00	**765.00**
A	**G35-879**	AN19AN0B5E005	Freedom Starter, NEMA Size 00, 220/240VAC Coil, C440 Overload	220/240	1 - 5	1-1/2	1-1/2	2	00	**765.00**
B	**G35-880**	AN19BN0T5E005	Freedom Starter, NEMA Size 0, 24VAC Coil, C440 Overload	24	1 - 5	3	3	5	0	**919.00**
A	**G35-881**	AN19BN0A5E005	Freedom Starter, NEMA Size 0, 110/120VAC Coil, C440 Overload	110/120	1 - 5	3	3	5	0	**919.00**
B	**G35-882**	AN19BN0B5E005	Freedom Starter, NEMA Size 0, 220/240VAC Coil, C440 Overload	220/240	1 - 5	3	3	5	0	**919.00**
B	**G35-883**	AN19BN0T5E020	Freedom Starter, NEMA Size 0, 24VAC Coil, C440 Overload	24	4 - 20	3	3	5	0	**919.00**
B	**G35-884**	AN19BN0A5E020	Freedom Starter, NEMA Size 0, 110/120VAC Coil, C440 Overload	110/120	4- 20	3	3	5	0	**919.00**
B	**G35-885**	AN19BN0B5E020	Freedom Starter, NEMA Size 0, 220/240VAC Coil, C440 Overload	220/240	4 - 20	3	3	5	0	**919.00**
B	**G35-886**	AN19DN0T5E005	Freedom Starter, NEMA Size 1, 24VAC Coil, C440 Overload	24	1 - 5	7-1/2	7-1/2	10	1	**1045.00**
B	**G35-887**	AN19DN0A5E005	Freedom Starter, NEMA Size 1, 110/120VAC Coil, C440 Overload	110/120	1 - 5	7-1/2	7-1/2	10	1	**1045.00**
B	**G35-888**	AN19DN0B5E005	Freedom Starter, NEMA Size 1, 220/240VAC Coil, C440 Overload	220/240	1 - 5	7-1/2	7-1/2	10	1	**1045.00**
B	**G35-889**	AN19DN0T5E020	Freedom Starter, NEMA Size 1, 24VAC Coil, C440 Overload	24	4 - 20	7-1/2	7-1/2	10	1	**1045.00**
B	**G35-890**	AN19DN0A5E020	Freedom Starter, NEMA Size 1, 110/120VAC Coil, C440 Overload	110/120	4 - 20	7-1/2	7-1/2	10	1	**1045.00**
B	**G35-891**	AN19DN0B5E020	Freedom Starter, NEMA Size 1, 220/240VAC Coil, C440 Overload	220/240	4 - 20	7-1/2	7-1/2	10	1	**1045.00**
B	**G35-892**	AN19GN0T5E045	Freedom Starter, NEMA Size 2, 24VAC Coil, C440 Overload	24	9 - 45	10	15	25	2	**1845.00**
B	**G35-893**	AN19GN0A5E045	Freedom Starter, NEMA Size 2, 110/120VAC Coil, C440 Overload	110/120	9 - 45	10	15	25	2	**1845.00**
B	**G35-894**	AN19GN0B5E045	Freedom Starter, NEMA Size 2, 220/240VAC Coil, C440 Overload	220/240	9 - 45	10	15	25	2	**1845.00**
B	**G35-895**	AN19KN0T5E100	Freedom Starter, NEMA Size 3, 24VAC Coil, C440 Overload	24	20 - 100	25	30	50	3	**2899.00**
B	**G35-896**	AN19KN0A5E100	Freedom Starter, NEMA Size 3, 110/120VAC Coil, C440 Overload	110/120	20 - 100	25	30	50	3	**2899.00**
B	**G35-897**	AN19KN0B5E100	Freedom Starter, NEMA Size 3, 220/240VAC Coil, C440 Overload	220/240	20 - 100	25	30	50	3	**2899.00**
C	**G80-638**	C799B15	Enclosure, NEMA 1 for Size 3	—	—	—	—	—	3	**1745.00**
D	**G35-452**	C799B21	Enclosure, NEMA 3R For Size 00 - 1	—	—	—	—	—	00-1	**1299.00**
E	**G37-331**	C899B168	Enclosure, NEMA 1 with Reset for AN16 Starters 00-1, A-F	—	—	—	—	—	—	**295.00**
F	**G80-940**	C899B001	Enclosure, NEMA 1 without Reset for AN16 00-1, AN19 00-2, IEC 7-32A, DP 15-45A	—	—	—	—	—	—	**175.00**
D	**G80-639**	C799B24	Enclosure, NEMA 3R for Size 2	—	—	—	—	—	2	**1445.00**
D	**G80-640**	C799B210	Enclosure, NEMA 3R for Size 3	—	—	—	—	—	3	**1999.00**
G	**G35-458**	C320KGS1	Aux Contact, SPST NO, 00 - 2	—	—	—	—	—	00-2	**129.00**
H	**G35-459**	C320KGS2	Aux Contact, SPST NC, 00 - 2	—	—	—	—	—	00-2	**129.00**

continued on next page

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Fig.	Order #	Mfg. #	Description	Coil Voltage	Amps	Max. HP @ 208V	Max. HP @ 240V	Max. HP @ 480V	NEMA Size	Each
I	**G35-453**	C320KGS3	Auxiliary Contacts, NO/NC	—	—	—	—	—	00-2	**175.00**
—	**G35-460**	C320KGS32	Aux Contact, NO/NC, 3	—	—	—	—	—	3	**345.00**
—	**G37-332**	RESET001	Reset Rod Kit for use with G80-940	—	—	—	—	—	—	**129.00**
J	**G37-333**	C600M1	Cover Control Kit, Start/Stop Oval	—	—	—	—	—	—	**509.00**
K	**G37-334**	C600M12	Cover Control Kit, HOA SS Only	—	—	—	—	—	—	**375.00**

IEC XT Contactors

- Small — smallest 10 HP contactor
- Efficient — low coil power consumption
- Easy to install — DIN rail or panel mount
- Safe and reliable — finger and back-of-hand proof, more secure top/bottom termination and high quality
- All have one N.O. auxiliary contact



Order #	Mfg. #	NEMA Frame	Amps	Max. HP @ 230V	Max. HP @ 460V	Coil Voltage	Each
L44-312	XTCE012B10A	B	12A (AC-3)	3.0	10	120	**435.00**
L44-313	XTCE012B10B	B	12A (AC-3)	3.0	10	240	**435.00**
L44-314	XTCE012B10T	B	12A (AC-3)	3.0	10	24	**435.00**
L44-315	XTCE015B10A	B	15A (AC-3)	5.0	10	120	**485.00**
L44-316	XTCE015B10B	B	15A (AC-3)	5.0	10	240	**485.00**
L44-317	XTCE015B10T	B	15A (AC-3)	5.0	10	24	**485.00**
L44-318	XTCE018C10A	C	18A (AC-3)	5.0	10	120	**505.00**
L44-319	XTCE018C10B	C	18A (AC-3)	5.0	10	240	**505.00**

Order #	Mfg. #	NEMA Frame	Amps	Max. HP @ 230V	Max. HP @ 460V	Coil Voltage	Each
L44-320	XTCE018C10T	C	18A (AC-3)	5.0	10	24	**505.00**
L44-321	XTCE025C10A	C	25A (AC-3)	7.5	15	120	**605.00**
L44-322	XTCE025C10B	C	25A (AC-3)	7.5	15	240	**605.00**
L44-323	XTCE025C10T	C	25A (AC-3)	7.5	15	24	**605.00**
L44-324	XTCE032C10A	C	32A (AC-3)	10.0	20	120	**755.00**
L44-325	XTCE032C10B	C	32A (AC-3)	10.0	20	240	**755.00**
L44-326	XTCE032C10T	C	32A (AC-3)	10.0	20	24	**755.00**

IEC Overloads

- Attaches to load side of IEC contactor to make a complete motor starter
- Includes one N.O. and one N.C. auxiliary contact
- Direct mount to contactors of same size or panel mount using optional mounting kit



Order #	Mfg. #	NEMA Frame	Amps	Each
G35-081	XTOBP16BC1	B	0.1–0.16	**205.00**
G35-083	XTOBP24BC1	B	0.16–0.24	**205.00**
G35-085	XTOBP40BC1	B	0.24–0.4	**205.00**
G35-087	XTOBP60BC1	B	0.4–0.6	**215.00**
G35-064	XTOB001BC1	B	0.6–1	**205.00**
G35-077	XTOB1P6BC1	B	1–1.6	**205.00**
G35-079	XTOB2P4BC1	B	1.6–2.4	**205.00**
G35-066	XTOB004BC1	B	2.4–4	**205.00**
G35-068	XTOB006BC1	B	4.0–6.0.	**205.00**
G35-070	XTOB010BC1	B	6.0–10.0	**205.00**
G35-072	XTOB012BC1	B	9.0–12.0	**205.00**
G35-073	XTOB016BC1	B	12.0–16.0	**205.00**

Order #	Mfg. #	NEMA Frame	Amps	Each
G35-082	XTOBP16CC1	C	0.1–0.16	**205.00**
G35-086	XTOBP40CC1	C	0.24–0.4	**215.00**
G35-088	XTOBP60CC1	C	0.4–0.6	**205.00**
G35-065	XTOB001CC1	C	0.6–1	**205.00**
G35-078	XTOB1P6CC1	C	1–1.6	**205.00**
G35-080	XTOB2P4CC1	C	1.6–2.4	**205.00**
G35-067	XTOB004CC1	C	2.4–4	**205.00**
G35-069	XTOB006CC1	C	4.0–6.0	**205.00**
G35-071	XTOB010CC1	C	6.0–10.0	**205.00**
G35-074	XTOB016CC1	C	10.0–16.0	**205.00**
G35-075	XTOB024CC1	C	16.0–24.0	**205.00**
G35-076	XTOB032CC1	C	24.0–32.0	**255.00**

IEC Overload and Contactor Accessories

- For use with Eaton IEC XT Contactors and Overloads



Order #	Mfg. #	Description	Each
L44-327	XTCEXFAC11	Front Mt Aux Contact NO/NC for B-C	**115.00**
L44-328	XTCEXSCC11	Side Mt Aux Contact NO/NC for C frame	**205.00**
G35-062	XTCEXTEEC11A	Timer, 120V 0.5 to 10 seconds	**655.00**

Order #	Mfg. #	Description	Each
G35-063	XTCEXTEEC11B	Timer, 240V 0.5 to 10 seconds	**669.00**
G35-089	XTOBXDINC	Overload Mounting Kit Frame "C"	**47.49**

SIEMENS
Ingenuity for life

IEC Contactors

- Din rail or panel mount
- Finger safe connections
- Accepts snap-on auxiliary contacts, timing relays and mechanical latch attachments
- Size 00 contactors includes 1-NO auxiliary contact
- Size 0 contactors include 1-NO and 1-NC auxiliary contact
- Communication modules for connection to TIA and Portal via AS-Interface and now IO-Link
- Mounting of front and side auxiliary contact blocks for design flexibility


A


B


C

Fig.	Order #	Mfg. #	Size	Amps	Max. HP @ 230V	Max. HP @ 460V	Max. HP @ 575V	Coil Voltage	Each
A	**G36-757**	3RT2017-1AB01	00	12 (AC3) / 22 (AC1)	3	7.5	10	24	**299.00**
A	**G36-758**	3RT2017-1AK61	00	12 (AC3) / 22 (AC1)	3	7.5	10	120	**299.00**
A	**G36-759**	3RT2017-1AP61	00	12 (AC3) / 22 (AC1)	3	7.5	10	240	**299.00**
B	**G36-760**	3RT2025-1AC20	0	16 (AC3) / 40 (AC1)	5	10	15	24	**329.00**
B	**G36-761**	3RT2025-1AK60	0	16 (AC3) / 40 (AC1)	5	10	15	120	**329.00**
B	**G36-762**	3RT2025-1AP60	0	16 (AC3) / 40 (AC1)	5	10	15	240	**329.00**
B	**G36-763**	3RT2026-1AC20	0	25 (AC3) / 40 (AC1)	7.5	15	20	24	**435.00**
B	**G36-764**	3RT2026-1AK60	0	25 (AC3) / 50 (AC1)	7.5	15	20	120	**435.00**
B	**G36-765**	3RT2026-1AP60	0	25 (AC3) / 50 (AC1)	7.5	15	20	240	**435.00**
C	**G37-441**	3RT2036-1AK60	2	50 (AC3) / 70 (AC1)	15	40	50	110/120	**615.00**

SIEMENS
Ingenuity for life

IEC Solid State Overloads

- Attaches to load side of 3RT2 IEC contactor to make a complete motor starter
- Provides class 20 solid state over-current protection
- Complete with current adjustment dial, overload trip indicator, test trip lever and manual/automatic reset switch
- Includes one N.O. and one N.C. auxiliary contact
- Requires no heaters
- Direct mount to contactors of same size or panel mount using optional mounting kit
- Screw terminal connection system


A


B


C

Fig.	Order #	Mfg. #	Size	Amps	Each
A	**G36-751**	3RB3016-2PB0	00	1 to 4A	**265.00**
B	**G36-752**	3RB3016-2SB0	00	3 to 12A	**265.00**

Fig.	Order #	Mfg. #	Size	Amps	Each
C	**G36-753**	3RB3026-2QB0	0	6 to 25A	**299.00**

Hundreds of Thousands of OEM Solutions at Your Fingertips
For all of your AC needs *supporting you from installation and beyond*

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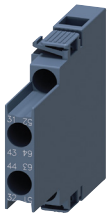
Overload and Contactor Accessories

SIEMENS Ingenuity for life

- For use with Siemens IEC contactors and overloads


A


B


C


D

Fig.	Order #	Mfg. #	Description	Each
A	**G36-754**	3RU2916-3AA01	Size 00 Overload Mounting Kit	**32.49**
B	**G36-755**	3RU2926-3AA01	Size 0 Overload Mounting Kit	**42.99**

Fig.	Order #	Mfg. #	Description	Each
C	**G36-756**	3RH2921-1DA11	1 N/O and N/C Auxiliary Contact	**89.00**
D	**G36-766**	3RA2813-1FW10	24-240V Timer 0.05 to 100 Seconds	**695.00**

Fractional HP Manual Starters

SIEMENS Ingenuity for life

- 1 HP @ 115-230VAC/277VAC; 3/4 HP @ 115-230VDC on 2-pole only
- Overload protection as well as manual ON/OFF
- Continuous current rating — 16A
- Overload trip assembly
- Requires Class SMF heater element, see ad below for specifications
- **G32-283** and **G32-284** dimensions: 2" W x 4.12" H x 2.22" D


A


B

Fig.	Order #	Mfg. #	Poles	Enclosure	HP	Depth	Width	Height	Each
A	**G32-283**	SMFF01	1	Open	1	2.22"	2"	4.12"	**189.00**
B	**G32-284**	SMFF02	2	Open	1	2.22"	2"	4.12"	**189.00**

Solid State Motor Speed Controls

For Shaded Pole and PSC Motors

- Specifically designed for use on range hoods, air conditioners, humidifiers, fans and blowers
- **G22-731** is the same as **G22-689** minus the cover plate
- **G32-397** through **G32-400** are NOT UL or CSA approved
- Fig. A fits 2" box size



Order #	Mfg. #	F/L Amps	L/R Amps	Volts	Switch Body Dimensions	Each
G22-689	H2886	2.5	6	120	2" x 1-1/2" x 1"	**125.00**
G22-731	H1304F	2.5	6	120	2" x 1-1/2" x 1"	**95.00**
G22-957	H2883A	6.0	10	120	2-1/2" x 1-1/2" x 1-3/8"	**145.00**
G32-397	H4119	6.0	10	230	2-1/2" x 1-1/2" x 1-3/8"	**185.00**
G32-398	H4118	15.0	25	230	2-3/4" x 1-1/2" x 2"	**455.00**
G32-399	H4121	6.0	10	277	2-1/2" x 1-1/2" x 1-3/8"	**445.00**
G32-400	H4120	15.0	25	277	2-3/4" x 1-1/2" x 2"	**559.00**

Speed Control

- For use with shaded pole, PSC and universal AC (brush type) motors
- Satin aluminum finish
- 2" box size

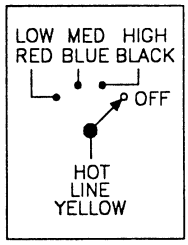


Order #	Mfg. #	F/L Amps	L/R Amps	Volts	Switch Body Dimensions	Each
G22-692	H2884	10	20	120	2-1/2" x 1-1/2" x 1-3/8"	**305.00**

Rotary Motor/Fan Switches

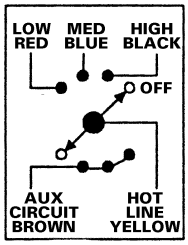


A





B



- Three-speed switches with OFF position for air conditioning, heating and ventilating equipment
- Switch supplied with aluminum stenciled wallplate (removable)
- 16 AWG color coded wire leads
- **G32-086** is a single circuit switch
- **G32-087** has a common auxiliary circuit and off position
- ER = Electrical Ratings
- ER @ 125VAC 10A, 1/4 HP
- ER @ 250VAC 5A, 1/2 HP
- ER @ 77VAC 5A, 1/4 HP

Fig.	Order #	Mfg. #	Switch Body Dimensions	Each
A	**G32-086**	3A254-1	4-1/2" x 2-3/4" x 2"	**89.00**
B	**G32-087**	3D312-1	4-1/2" x 2-3/4" x 2"	**99.00**

Digital Megohmmeter



- 1000VDC stresses insulation to measure up to 2000Mohms
- Backlit LCD display
- Auto-off to extend battery life
- Includes case, alligator clip, leads with removable tips and batteries

Order #	Mfg. #	Each
H27-323	SMG5	**339.00**

Insulation Tester/Megohmmeter



- Measures insulation values up to 1,000 megohms at 500V and indicates the condition of insulation on the zone scale
- 20 to 1,000 megohms indicator range
- Uses 2 C batteries (not included)

Order #	Mfg. #	Each
H25-705	M500	**335.00**

Digital Capacitor Tester



- Rates run, start and DC electrolytic capacitors
- Can also be used as a continuity tester
- Two read-out ranges: 0.01 to 10 MFD and 10 to 10,000 MFD
- Includes soft carrying case
- Uses 9V battery (not included)

Order #	Mfg. #	Each
H24-883	MFD-10	**185.00**

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Shaft Voltage Tester

- CAT II/III digital oscilloscope tests voltage levels on the spinning shaft of a motor using an oscilloscope with advanced functions, a probe with special conductive microfiber tips for exceptional shaft contact, a probe holder with a magnetic base, and a compact carrying case
- 2-channel full-function 100 MHz digital oscilloscope has a 5.7" TFT LCD color display, a multi-language user interface, sampling rates of 1 GSa/s to 50 GSa/s, and a 5-hour rechargeable/replaceable lithium-ion battery pack
- Accommodates standard set-up interfaces and has a USB port for data transfer or flash drive storage


A


B


C

Fig.	Order #	Mfg. #	Description	Each
A	**H28-320**	AEGIS-OSC-9100MB-W2	AEGIS Shaft Voltage Tester Digital Oscilloscope, SVP-KIT-9100MB, Carry Case	**7299.00**
A	**H28-321**	AEGIS-OSC-9100-W2	AEGIS Shaft Voltage Tester Digital Oscilloscope, Carry Case	**6545.00**
A	**H28-322**	AEGIS-OSC-9100-A	AEGIS Shaft Voltage Tester Digital Oscilloscope, Carry Case	**5399.00**
B	**H28-323**	SVP-KIT-9100MB	AEGIS Shaft Voltage Probe Kit with Magnetic Base	**1199.00**
—	**H28-324**	AEGIS-SVP-510	AEGIS Shaft Voltage Probe PP510 with SVP Tip	**805.00**
C	**H28-325**	SVP-TIP-9100	3 SVP tips	**699.00**
—	**H28-326**	BAT-9100	Spare/replacement battery for AEGIS-OSC-9100	**665.00**

AEGIS SGR™ Shaft Grounding Kits for General Purpose ODP Motors

- Specifically designed to discharge harmful shaft voltages from VFD high-frequency switching and extend bearing life
- Easily installed on motor end bell using the (2) included screws
- Slim design minimizes shaft length requirements
- Estimated life is greater than 200,000 hours
- Cored holes on the end shield are now a STANDARD feature for attaching Aegis® Shaft Ground Rings on all Nidec 140, 180 and 210 frame size ODP motors



Order #	Mfg. #	Description	Each
S59-767	60	AEGIS SGR Shaft Grounding Kit for Gen. Purpose ODP motors Shaft grounding ring kit 140 frame	**585.00**
S59-768	61	AEGIS SGR Shaft Grounding Kit for Gen. Purpose ODP motors Shaft grounding ring kit 180 frame	**599.00**
S59-769	62	AEGIS SGR Shaft Grounding Kit for Gen. Purpose ODP motors Shaft grounding ring kit 210 frame	**645.00**
S59-770	63	AEGIS SGR Shaft Grounding Kit for Gen. Purpose ODP motors Shaft grounding ring kit 250 frame	**839.00**

Shaft Grounding Ring uKITs

Bearing Protection Ring

- Maintenance-free, lasts for the service life of the motor
- No RPM limitations
- Four mounting bracket styles and hardware to adapt the AEGIS™ ring to virtually any end bracket
- AEGIS™ Bearing Protection Ring designed for the motor's NEMA "u" dimension - shaft diameter
- Screw on or AEGIS™ Conductive Epoxy Adhesive mounting capable (Epoxy EP2400 sold separately)
- Fits over slingers, seals or shaft shoulders
- Protects both motor bearings and the bearings in attached equipment
- Channels harmful currents to ground


A


B

Fig.	Order #	Mfg. #	Each
Solid Ring			
A	**S59-362**	SGR-0.625-UKIT	**465.00**
A	**S59-363**	SGR-0.875-UKIT	**495.00**
A	**S59-364**	SGR-1.125-UKIT	**529.00**
A	**S59-365**	SGR-1.375-UKIT	**565.00**
A	**S59-366**	SGR-1.625-UKIT	**705.00**
A	**S59-367**	SGR-1.875-UKIT	**769.00**
A	**S59-368**	SGR-2.125-UKIT	**995.00**
A	**S59-369**	SGR-2.375-UKIT	**1099.00**
A	**S59-370**	SGR-2.875-UKIT	**1399.00**

Fig.	Order #	Mfg. #	Each
Split Ring			
B	**S59-377**	SGR-0.875-UKIT-1A4	**769.00**
B	**S59-378**	SGR-1.125-UKIT-1A4	**849.00**
B	**S59-379**	SGR-1.375-UKIT-1A4	**895.00**
B	**S59-380**	SGR-1.625-UKIT-1A4	**1099.00**
B	**S59-381**	SGR-1.875-UKIT-1A4	**1199.00**
B	**S59-382**	SGR-2.125-UKIT-1A4	**1499.00**
B	**S59-383**	SGR-2.375-UKIT-1A4	**1645.00**
B	**S59-384**	SGR-2.875-UKIT-1A4	**1945.00**
B	**S59-385**	SGR-3.375-UKIT-1A4	**2445.00**

Shaft Grounding Ring Accessories



A


B

Fig.	Order #	Mfg. #	Description	Each
A	**S59-416**	CS015	Colloidal silver shaft coating. 20-25 applications based on a 3" shaft diameter. Used to improve the conductivity of the steel shaft surface. Apply to any VFD driven motor shaft prior to installing the AEGIS® SGR	**479.00**
B	**S59-417**	EP2400	Conductive epoxy. 2-3 applications. Used with to install AEGIS® SGR without drilling and tapping into the motor end bell	**509.00**

High-Frequency Grounding Straps



- Protects VFD-driven motor systems from high-frequency currents in applications involving a motor and coupled equipment that are not mounted to a common baseplate
- Flat-braided, tinned copper
- Installs at the mounting screw of NEMA or IEC frame motors

Order #	Each
S59-574	**175.00**
S59-575	**189.00**
S59-576	**209.00**

Order #	Each
S59-577	**175.00**
S59-578	**245.00**
S59-579	**265.00**

Order #	Each
S59-580	**279.00**
S59-581	**245.00**

HVAC Drive H300s



- Industry standard BACnet, Metasys N2 and Modbus RTU communications onboard
- Optional SI modules include Ethernet (EtherNet/IP, Modbus TCP), PROFIBUS, PROFINET, DeviceNet, CANopen, and extended I/O
- Has an onboard Fire Mode which allows the drive to continue running in the event of a fire
- 10-speed controllable drive cooling fan and high switching frequencies (up to 16 kHz) ensure quiet drive and motor operation
- Patented air flow cooling design
- Remote connectivity allows easy system maintenance through the onboard RS485 comms or an optional Ethernet System Integration module
- Low losses, up to 98% efficient
- Energy efficiency calculator tool to demonstrate energy savings

Note: Conduit boxes are available online at www.johnstonesupply.com

Order #	Mfg. #	HP	Amps	Volts	Width	Height	Depth	Wt. Lbs.	Each
G80-891	H300-03200066A10101AB103	1-1/2	6.6	200-240	3.3"	15"	7.9"	9.9	**3445.00**
G80-892	H300-03200080A10101AB103	2	8	200-240	3.3"	15"	7.9"	9.9	**3345.00**
G80-893	H300-03200110A10101AB103	3	11	200-240	3.3"	15"	7.9"	9.9	**3745.00**
G80-894	H300-04200180A10101AB103	5	18	200-240	4.9"	15.4"	7.9"	14.3	**4245.00**
G80-895	H300-04200250A10101AB103	7-1/2	25	200-240	4.9"	15.4"	7.9"	14.3	**4545.00**
G80-896	H300-05200300A10101AB103	10	30	200-240	5.6"	15.4"	7.9"	16.3	**4745.00**
G80-897	H300-06200500A10101AB103	15	50	200-240	8.3"	15.4"	8.9"	30.9	**7245.00**
G80-898	H300-06200580A10101AB103	20	58	200-240	8.3"	15.4"	8.9"	30.9	**7845.00**
G80-899	H300-07200750A10101AB103	25	75	200-240	10.6"	21.9"	11"	61.7	**13500.00**
G80-900	H300-07200940A10101AB103	30	94	200-240	10.6"	21.9"	11"	61.7	**15900.00**
G80-901	H300-07201170A10101AB103	40	117	200-240	10.6"	21.9"	11"	61.7	**17500.00**
G80-902	H300-08201490A10101AB103	50	149	200-240	12.2"	31.7"	11.4"	114.6	**24900.00**
G80-903	H300-08201800A10101AB103	60	180	200-240	12.2"	31.7"	11.4"	114.6	**26900.00**
G80-904	H300-03400034A10101AB103	1-1/2	3.4	460	3.3"	15"	7.9"	9.9	**2745.00**
G80-905	H300-03400045A10101AB103	2	4.5	460	3.3"	15"	7.9"	9.9	**2899.00**
G80-906	H300-03400062A10101AB103	3	6.2	460	3.3"	15"	7.9"	9.9	**3099.00**
G80-907	H300-03400104A10101AB103	5	10.4	460	3.3"	15"	7.9"	9.9	**3399.00**
G80-908	H300-03400123A10101AB103	7-1/2	12.3	460	3.3"	15"	7.9"	9.9	**3899.00**
G80-909	H300-04400185A10101AB103	10	18.5	460	4.9"	15.4"	7.9"	14.3	**4245.00**
G80-910	H300-04400240A10101AB103	15	24	460	4.9"	15.4"	7.9"	14.3	**4945.00**
G80-911	H300-05400300A10101AB103	20	30	460	5.6"	15.4"	7.9"	16.3	**6245.00**
G80-912	H300-06400380A10101AB103	25	38	460	8.3"	15.4"	8.9"	30.9	**8299.00**
G80-913	H300-06400480A10101AB103	30	48	460	8.3"	15.4"	8.9"	30.9	**9899.00**
G80-914	H300-06400630A10101AB103	40	63	460	8.3"	15.4"	8.9"	30.9	**12500.00**
G80-915	H300-07400790A10101AB103	50	79	460	10.6"	21.9"	11"	61.7	**14900.00**
G80-916	H300-07400940A10101AB103	60	94	460	10.6"	21.9"	11"	61.7	**18500.00**
G80-917	H300-07401120A10101AB103	75	112	460	10.6"	21.9"	11"	61.7	**20500.00**
G80-918	H300-08401550A10101AB103	100	155	460	12.2"	31.7"	11.4"	114.6	**24900.00**
G80-919	H300-08401840A10101AB103	125	184	460	12.2"	31.7"	11.4"	114.6	**29900.00**
G80-920	H300-09402210E10101AN103	150	221	460	12.2"	42.1"	11.4"	101.4	**32900.00**
G80-921	H300-09402660E10101AN103	200	266	460	12.2"	42.1"	11.4"	101.4	**35500.00**
G80-922	H300-10403200E10101AN103	250	320	460	12.2"	42.1"	11.4"	101.4	**46500.00**
G80-923	H300-10403610E10101AN103	300	361	460	12.2"	42.1"	11.4"	101.4	**54500.00**
G80-924	H300-11404870E10101AN103	400	487	460	12.3"	46.9"	12.2"	138.4	**72500.00**
G80-925	H300-11405070E10101AN103	450	507	460	12.3"	46.9"	12.2"	138.4	**86900.00**

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VFD68 Variable Frequency Drive Fan Speed Controls

- Designed for speed control of 3-phase motors, especially for condenser fan motors in refrigeration and HVAC systems
- Condenser fan motor speed is controlled by varying the frequency and voltage of the power supplied to the motor
- Uses inputs from various devices to optimize condenser fan speed to meet changing load conditions
- Operation at low ambient conditions to -40 C
- Embedded LED display
- M-dial for easy parameter configuration and speed command
- Mode status indicators
- Push button control and access
- Optional high signal select



Order #	Mfg. #	HP	Amps	Volts	Width	Height	Depth	Each
G36-806	VFD68BBB-2C	0.125	0.8	190-240	2.68"	5.04"	3.19"	1345.00
G36-809	VFD68BFD-2C	1	4.2	190-240	2.68"	5.04"	5.24"	1999.00
G36-810	VFD68BGG-2C	2	7.0	190-240	4.25"	5.04"	5.35"	2499.00
G36-811	VFD68BHG-2C	3	10.0	190-240	4.25"	5.04"	5.35"	3145.00
G36-812	VFD68BJK-2C	5	16.5	190-240	6.69"	5.04"	5.35"	3645.00
G36-813	VFD68BKL-2C	7.5	23.8	190-240	5.91"	8.66"	6.1"	4145.00
G36-814	VFD68BLL-2C	10	31.8	190-240	5.91"	8.66"	6.1"	4799.00
G36-818	VFD68CFF-2C	1	2.2	380-480	4.25"	5.04"	5.19"	2045.00
G36-819	VFD68CGG-2C	2	3.6	380-480	4.25"	5.04"	5.35"	2645.00
G36-820	VFD68CHH-2C	3	5.0	380-480	4.25"	5.04"	6.14"	2745.00
G36-821	VFD68CJJ-2C	5	8.0	380-480	4.25	5.04"	6.14"	2845.00
G36-822	VFD68CKL-2C	7.5	12.0	380-480	5.91"	8.66"	6.1"	3245.00
G36-823	VFD68CLL-2C	10	16.0	380-480	5.91"	8.66"	6.1"	3845.00
G36-824	VFD68CMP-2C	15	23.0	380-480	8.7"	10.3"	7.5"	4999.00
G36-825	VFD68CNP-2C	20	29.5	380-480	8.7"	10.3"	7.5"	6199.00

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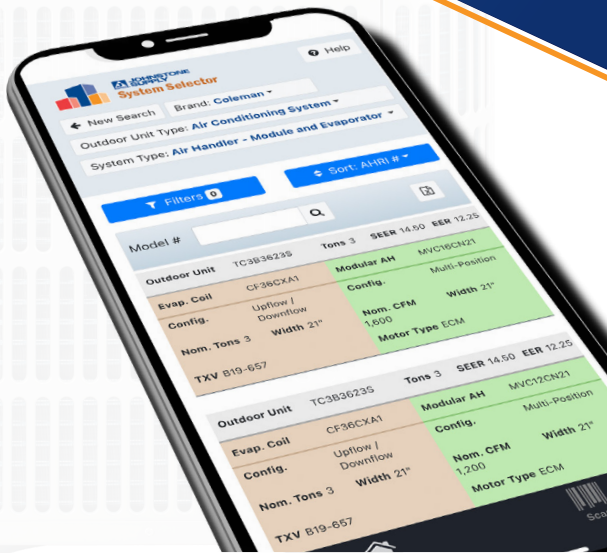

Johnson Controls



VSM Series II Variable Frequency Drives- MicroDrives

- Preset Application Macros, Startup Wizard, and Diagnostic Capabilities allows for quick and easy startup
- DIN Rail and Screw Mountable Chassis — reduces installation time
- Compact, Space Saving Design — allows for side-by-side installation resulting in less mounting space
- Industry-Leading Efficiency — delivers energy savings to the customer. Provides Integrated EMC filters (Mfg. #'s ending in MEM00) and brake choppers as standard features in three-phase applications, which make the unit suitable for commercial and industrial applications
- RS-485/Modbus® — includes a standard communication protocol
- PID Controller - provides stand-alone, closed-loop control

Order #	Mfg. #	HP	Amps	Volts	Width	Height	Depth	Each
G36-911	VS1D7203B-M0000	0.25	1.7	230	2.58"	6.16"	3.88"	1145.00
G36-912	VS2D4203B-M0000	0.5	2.4	230	2.58"	6.16"	3.88"	1145.00
G36-913	VS2D8203B-M0000	0.75	2.8	230	2.58"	6.16"	3.88"	1245.00
G36-914	VS3D7203B-M0000	1	3.7	230	2.58"	6.16"	3.88"	1445.00
G36-915	VS4D8203B-M0000	1.5	4.8	230	3.54"	7.68"	4.00"	1545.00
G36-916	VS7D0203B-M0000	2	7	230	3.54"	7.68"	4.00"	2145.00
G36-917	VS011203B-M0000	3	11	230	3.94"	9.96"	4.41"	2345.00
G36-918	VS017203B-M0000	5	17	230	6.50"	14.57"	6.61"	3245.00
G36-919	VS017203B-MEM00	5	17	230	6.50"	14.57"	6.61"	3845.00
G36-920	VS025203B-M0000	7.5	25	230	6.50"	14.57"	6.61"	3799.00
G36-921	VS025203B-MEM00	7.5	25	230	6.50"	14.57"	6.61"	4399.00
G36-922	VS031203B-M0000	10	31	230	6.50"	14.57"	8.07"	4445.00
G36-923	VS031203B-MEM00	10	31	230	6.50"	14.57"	8.07"	5245.00
G36-924	VS038203B-M0000	15	38	230	6.50"	14.57"	8.07"	4745.00
G36-925	VS038203B-MEM00	15	38	230	6.50"	14.57"	8.07"	5499.00
G36-926	VS1D3403B-M0000	0.5	1.3	480	2.58"	6.16"	3.88"	1245.00
G36-927	VS1D3403B-MEM00	0.5	1.3	480	2.58"	6.16"	3.88"	1445.00
G36-928	VS1D9403B-M0000	0.75	1.9	480	2.58"	6.16"	3.88"	1399.00
G36-929	VS1D9403B-MEM00	0.75	1.9	480	2.58"	6.16"	3.88"	1499.00
G36-930	VS2D4403B-M0000	1	2.4	480	2.58"	6.16"	3.88"	1399.00
G36-931	VS2D4403B-MEM00	1	2.4	480	2.58"	6.16"	3.88"	1545.00
G36-932	VS3D3403B-M0000	1.5	3.3	480	3.54"	7.68"	4.00"	1499.00
G36-933	VS3D3403B-MEM00	1.5	3.3	480	3.54"	7.68"	4.00"	1499.00
G36-934	VS4D3403B-M0000	2	4.3	480	3.54"	7.68"	4.00"	1699.00
G36-935	VS4D3403B-MEM00	2	4.3	480	3.54"	7.68"	4.00"	1799.00
G36-936	VS5D6403B-M0000	3	5.6	480	3.54"	7.68"	4.00"	1999.00
G36-937	VS5D6403B-MEM00	3	5.6	480	3.54"	7.68"	4.00"	1999.00
G36-938	VS7D6403B-M0000	4	7.6	480	3.94"	9.96"	4.41"	2499.00
G36-939	VS7D6403B-MEM00	4	7.6	480	3.94"	9.96"	4.41"	2645.00
G36-940	VS9D0403B-M0000	5	9	480	3.94"	9.96"	4.41"	2745.00
G36-941	VS9D0403B-MEM00	5	9	480	3.94"	9.96"	4.41"	2899.00
G36-942	VS012403B-M0000	7.5	12	480	3.94"	9.96"	4.41"	3045.00
G36-943	VS012403B-MEM00	7.5	12	480	3.94"	9.96"	4.41"	3199.00
G36-944	VS016403B-M0000	10	16	480	6.50"	14.57"	6.61"	3999.00
G36-945	VS016403B-MEM00	10	16	480	6.50"	14.57"	6.61"	4599.00
G36-946	VS023403B-M0000	15	23	480	6.50"	14.57"	6.61"	4299.00
G36-947	VS023403B-MEM00	15	23	480	6.50"	14.57"	6.61"	4845.00
G36-948	VS031403B-M0000	20	31	480	6.50"	14.57"	8.07"	5045.00
G36-949	VS031403B-MEM00	20	31	480	6.50"	14.57"	8.07"	5699.00
G36-950	VS038403B-M0000	25	38	480	6.50"	14.57"	8.07"	6199.00
G36-951	VS038403B-MEM00	25	38	480	6.50"	14.57"	8.07"	6945.00



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Replacement Blower Bearings

For Pillow Block; Flange Spider Mount

- Oil Type
- With insulator
- Self-aligning
- Self-oiling
- Bronze bushing
- Includes oil cup
- **L37-822** is heavy-duty
- Sold in pairs



Order #	Mfg. #	Type	Shaft Diam.	O.D.	Each	2 Lot
L36-444	38-2404-01	Lau	5/8"	1-13/16"	**135.00**	**129.00**
L36-445	38-2442-01	Lau	3/4"	1-13/16"	**145.00**	**135.00**
L36-446	38-2442-02	Lau	1"	2-1/2"	**165.00**	**159.00**
L37-820	38-2450-01	Std.	3/4"	1-27/32"	**135.00**	**129.00**
L37-821	38-2449-01	Std.	1"	1-27/32"	**139.00**	**135.00**
L37-822	38-2094-01	Std.	1"	2-1/2"	**189.00**	**179.00**
L37-847	38-2696-01	Brundage	3/4"	2-1/16"	**135.00**	**125.00**
L37-848	38-2697-01	Brundage	1"	2-1/16"	**149.00**	**139.00**

Cartridge Type Bearings

With Insulator

- Sintered bronze bushing
- Steel bearing caps
- Factory lubricated
- **L36-443** with journal
- Sold in pairs



Order #	Mfg. #	Type	Shaft Diam.	O.D.	Each	2 Lot
L36-443	38-2272-01	Cartridge	3/4"	1-13/16"	**295.00**	**279.00**
L36-437	38-2090-01	Cartridge	1"	1-13/16"	**159.00**	**155.00**

Sealed Ball Bearing Type Bearings

With Insulator

- Heavy-duty
- Pre-lubricated
- Includes interlocking thrust collar
- Sold in pairs



Order #	Mfg. #	Type	Shaft Diam.	O.D.	Each	2 Lot
L37-476	38-2588-01	Sealed	3/4"	1-13/16"	**345.00**	**325.00**
L37-477	38-2590-01	Sealed	1"	2-17/32"	**385.00**	**365.00**

"Lau-Pak" Sealed Type Bearings

With Insulator

- Self-aligning
- Porous bronze sleeve
- Sold in pairs
- **L39-668** is Brundage style without insulator



Order #	Mfg. #	Type	Shaft Diam.	O.D.	Each	2 Lot
L37-818	38-2443-02	Lau	3/4"	1-13/16"	**129.00**	**125.00**
L39-668	38-2694-01	Brundage	3/4"	2-1/16"	**119.00**	**115.00**
L37-819	38-2443-03	Lau	1"	2-1/2"	**155.00**	**145.00**

Bronze Bearing Pillow Blocks

- These high quality pillow blocks have neoprene rubber cushions to support the self-aligning bearings
- Large porous bronze bearing is lubricated by a refillable reservoir
- For horizontal mounting
- **L37-424** and **L37-425** are hi-rise style



A



B

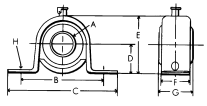


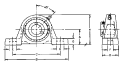
Fig.	Order #	Mfg. #	A	B	C	D	E	F	G	H	Each
A	**L36-543**	66335	5/8"	3"	4"	1"	2"	1-1/8"	1-1/4"	21/64" x 9/16"	**25.49**
A	**L36-544**	6642	3/4"	3"	4"	1"	2"	1-1/8"	1-1/4"	21/64" x 9/16"	**23.49**
B	**L37-424**	6644	3/4"	3-5/32"	4"	1-17/32"	2-9/16"	1-1/8"	1-3/16"	21/64" x 9/16"	**23.99**
B	**L37-425**	6655	1"	3-5/32"	4"	1-17/32"	2-9/16"	1-1/8"	1-3/16"	21/64" x 9/16"	**24.49**

Ball Bearing Pillow Blocks

Cast Housings

- Set screw lock
- Neoprene lip seal
- Grease fitting installed



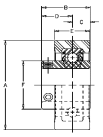


Order #	Mfg. #	Shaft Diam.	A	B	C	D	E	F	G	H	Each	6 Lot
L37-453	VPS-108	1/2"	1-3/16"	4-7/8"	3-5/8"	1-7/32"	7/8"	7/16"	15/32"	2-7/32"	**295.00**	**269.00**
L37-454	VPS-110	5/8"	1-3/16"	4-7/8"	3-5/8"	1-7/32"	7/8"	7/16"	15/32"	2-7/32"	**215.00**	**195.00**
L37-455	VPS-112	3/4"	1-5/16"	5"	3-25/32"	1-11/32"	25/32"	7/16"	17/32"	2-17/32"	**179.00**	**165.00**
L37-456	VPS-116	1"	1-7/16"	5-1/2"	4-1/8"	1-13/32"	13/16"	7/16"	19/32"	2-13/16"	**189.00**	**175.00**

100 Series Rubber Mount Unit Air Handling Bearings

- Diamond faceted 120° set screw lock
- Ideal for spider mount fan applications



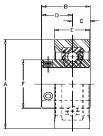


Order #	Mfg. #	Shaft Diam.	A	B	C	D	E	F	Each	6 Lot
L40-844	RUBRS-108	1/2"	2-17/32"	1-9/32"	13/32"	7/8"	1"	1-3/16"	**199.00**	**185.00**
L40-845	RUBRS-110	5/8"	2-17/32"	1-9/32"	13/32"	7/8"	1"	1-3/16"	**575.00**	**525.00**
L40-846	RUBRS-112	3/4"	2-17/32"	1-9/32"	13/32"	7/8"	1"	1-3/16"	**215.00**	**195.00**
L40-847	RUBRS-115	15/16"	2-17/32"	1-3/8"	1/2"	7/8"	1"	1-3/8"	**215.00**	**199.00**
L40-848	RUBRS-116	1"	2-17/32"	1-3/8"	1/2"	7/8"	1"	1-3/8"	**209.00**	**195.00**

100 Series Rubber Mount Unit Air Handling Bearings

- BOA 360° concentric lock
- Ideal for spider mount fan applications



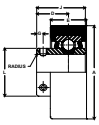


Order #	Mfg. #	Shaft Diam.	A	B	C	D	E	F	Each	6 Lot
L40-842	RUBRB-112	3/4"	2-17/32"	1-9/32"	13/32"	13/16"	1"	1-3/16"	**235.00**	**215.00**
L40-843	RUBRB-116	1"	2-17/32"	1-7/16"	33/64"	59/64"	1"	1-3/8"	**225.00**	**209.00**

Sealmaster Light Duty Rubber Mounted Cartridges

- Rubber Grommet





Order #	Mfg. #	Shaft Diam.	A	B	C	D	E	G	H	J	K	Each	6 Lot
L47-193	SRC-12	3/4"	2-17/32"	—	—	1-1/16"	1-13/64"	7/32"	—	1-5/8"	—	**325.00**	**295.00**
L47-194	SRC-16	1"	2-17/32"	1-3/8"	1-3/8"	—	—	—	—	—	—	**299.00**	**269.00**
L47-195	SRC-19	1-3/16"	3-3/32"	2-7/16"	1-5/8"	—	—	—	—	—	—	**469.00**	**425.00**
L47-183	SK-1500	1-7/16"	4-7/8"	3-15/16"	3-11/16"	7/8"	—	—	1-13/16"	—	1-3/4"	**549.00**	**495.00**

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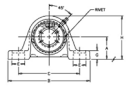
200 Series Standard-Duty Air Handling Bearings

- AH air handling bearings
- Cast iron pillow block
- 360° concentric lock
- Contact seal with flinger
- Air handling housing fit
- Noise tested





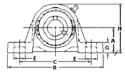
Order #	Mfg. #	Shaft Diam.	A	B	C	D	E	F	G	H	Each	6 Lot
L40-849	VPB-212-AH	3/4"	1-5/16"	5"	3-3/8"	4-3/16"	1-11/32"	25/32"	7/16"	17/32"	**315.00**	**289.00**
L40-850	VPB-216-AH	1"	1-7/16"	5-1/2"	3-11/16"	4-9/16"	1-13/32"	13/16"	7/16"	19/32"	**345.00**	**315.00**
L40-851	VPB-219-AH	1-3/16"	1-11/16"	6-3/16"	4-3/16"	5-1/16"	1-3/4"	15/16"	9/16"	21/32"	**405.00**	**375.00**
L40-914	VPB-220-AH	1-1/4"	1-7/8"	6-3/4"	4-5/8"	5-3/8"	1-3/4"	7/8"	9/16"	23/32"	**405.00**	**369.00**
L40-852	VPB-223-AH	1-7/16"	1-7/8"	6-3/4"	4-5/8"	5-3/8"	1-3/4"	7/8"	9/16"	23/32"	**419.00**	**385.00**
L40-853	VPB-227-AH	1-11/16"	2-1/8"	7-3/8"	5-1/4"	6-1/16"	2"	29/32"	9/16"	3/4"	**525.00**	**485.00**
L40-854	VPB-231-AH	1-15/16"	2-1/4"	8"	5-7/8"	6-1/2"	2-3/16"	15/16"	11/16"	3/4"	**575.00**	**525.00**
L40-915	VPB-235-AH	2-3/16"	2-1/2"	8-13/16"	6-7/16"	7-7/16"	2-5/16"	1"	11/16"	7/8"	**705.00**	**649.00**
L40-916	VPB-239-AH	2-7/16"	2-3/4"	9-1/2"	6-7/8"	7-15/16"	2-3/8"	1-5/32"	11/16"	7/8"	**859.00**	**789.00**

200 Series Standard-Duty Air Handling Bearings

AH Air Handling Bearings

- Cast iron pillow block
- Diamond faceted 120° set screw lock
- Contact seal with flinger
- Air handling housing fit
- Noise tested



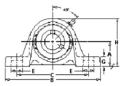


Order #	Mfg. #	Shaft Diam.	A	B	C	D	E	F	G	H	Each	6 Lot
L40-917	VPS-208 AH	1/2"	1-3/16"	4-7/8"	3-5/8"	1-7/32"	7/8"	7/16"	15/32"	2-7/32"	**199.00**	**185.00**
L40-855	VPS-210 AH	5/8"	1-3/16"	4-7/8"	3-5/8"	1-7/32"	7/8"	7/16"	15/32"	2-7/32"	**215.00**	**199.00**
L40-856	VPS-212 AH	3/4"	1-5/16"	5"	3-25/32"	1-11/32"	25/32"	7/16"	17/32"	2-17/32"	**209.00**	**195.00**
L40-918	VPS-214 AH	7/8"	1-7/16"	5-1/2"	4-1/8"	1-13/32"	13/16"	7/16"	19/32"	2-13/16"	**225.00**	**209.00**
L40-919	VPS-215 AH	15/16"	1-7/16"	5-1/2"	4-1/8"	1-13/32"	13/16"	7/16"	19/32"	2-13/16"	**239.00**	**219.00**
L40-857	VPS-216 AH	1"	1-7/16"	5-1/2"	4-1/8"	1-13/32"	13/16"	7/16"	19/32"	2-13/16"	**255.00**	**235.00**
L40-920	VPS-218 AH	1-1/8"	1-11/16"	6-3/16"	4-5/8"	1-3/4"	15/16"	9/16"	21/32"	3-9/32"	**525.00**	**479.00**
L40-858	VPS-219 AH	1-3/16"	1-11/16"	6-3/16"	4-5/8"	1-3/4"	15/16"	9/16"	21/32"	3-9/32"	**269.00**	**249.00**
L40-922	VPS-220S AH	1-1/4"	1-11/16"	6-3/16"	4-5/8"	1-3/4"	15/16"	9/16"	21/32"	3-9/32"	**265.00**	**245.00**
L40-921	VPS-220 AH	1-1/4"	1-7/8"	6-3/4"	5"	1-3/4"	7/8"	9/16"	23/32"	3-11/16"	**355.00**	**329.00**
L40-923	VPS-222 AH	1-3/8"	1-7/8"	6-3/4"	5"	1-3/4"	7/8"	9/16"	23/32"	3-11/16"	**665.00**	**615.00**
L40-859	VPS-223 AH	1-7/16"	1-7/8"	6-3/4"	5"	1-3/4"	7/8"	9/16"	23/32"	3-11/16"	**315.00**	**289.00**
L40-924	VPS-224 AH	1-1/2"	2"	7-1/8"	5-3/8"	1-15/16"	1"	9/16"	13/16"	4"	**409.00**	**379.00**
L40-925	VPS-226 AH	1-5/8"	2-1/8"	7-3/8"	5-21/32"	2"	29/32"	9/16"	3/4"	4-1/4"	**485.00**	**445.00**
L40-860	VPS-227 AH	1-11/16"	2-1/8"	7-3/8"	5-21/32"	2"	29/32"	9/16"	3/4"	4-1/4"	**415.00**	**379.00**
L40-926	VPS-228 AH	1-3/4"	2-1/8"	7-3/8"	5-21/32"	2"	29/32"	9/16"	3/4"	4-1/4"	**449.00**	**415.00**
L40-861	VPS-231 AH	1-15/16"	2-1/4"	8"	6-3/16"	2-3/16"	15/16"	11/16"	3/4"	4-9/16"	**459.00**	**425.00**
L40-928	VPS-232S AH	2"	2-1/4"	8"	6-3/16"	2-3/16"	15/16"	11/16"	3/4"	4-9/16"	**485.00**	**445.00**
L40-927	VPS-232 AH	2"	2-1/2"	8-13/16"	6-15/16"	2-5/16"	1"	11/16"	7/8"	4-31/32"	**625.00**	**575.00**
L40-929	VPS-235 AH	2-3/16"	2-1/2"	8-13/16"	6-15/16"	2-5/16"	1"	11/16"	7/8"	4-31/32"	**569.00**	**525.00**
L40-930	VPS-236 AH	2-1/4"	2-3/4"	9-1/2"	7-13/32"	2-3/8"	1-5/32"	11/16"	7/8"	5-9/16"	**735.00**	**675.00**
L40-931	VPS-239 AH	2-7/16"	2-3/4"	9-1/2"	7-13/32"	2-3/8"	1-5/32"	11/16"	7/8"	5-9/16"	**689.00**	**635.00**

Browning

300 Series Medium-Duty Air Handling Bearings





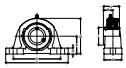
- AH air handling bearings
- Cast iron pillow block
- Diamond faceted 120° set screw lock
- Contact seal with flinger
- Air handling housing fit
- Noise tested

Order #	Mfg. #	Shaft Diam.	A	B	C	D	E	F	G	H	Each	6 Lot
L40-933	VPS-316 AH	1"	1-3/4"	6-3/16"	4-5/8"	1-3/4"	15/16"	9/16"	23/32"	3-11/32"	**399.00**	**365.00**
L40-934	VPS-323 AH	1-7/16"	2-1/8"	7-1/4"	5-17/32"	2"	29/32"	9/16"	13/16"	4-3/16"	**585.00**	**525.00**
L40-935	VPS-327 AH	1-11/16"	2-5/16"	7-15/16"	6-1/8"	2-1/4"	1"	11/16"	13/16"	4-5/8"	**729.00**	**655.00**
L40-936	VPS-328 AH	1-3/4"	2-5/16"	7-15/16"	6-1/8"	2-1/4"	1"	11/16"	13/16"	4-5/8"	**765.00**	**689.00**
L40-937	VPS-331 AH	1-15/16"	2-1/2"	8-13/16"	6-15/16"	2-5/16"	1"	11/16"	7/8"	4-31/32"	**879.00**	**789.00**
L40-938	VPS-332 AH	2"	2-1/2"	8-13/16"	6-15/16"	2-5/16"	1"	11/16"	7/8"	4-31/32"	**2745.00**	**2445.00**
L40-939	VPS-335 AH	2-3/16"	2-3/4"	9-1/2"	7-13/32"	2-3/8"	1-5/32"	11/16"	7/8"	5-9/16"	**1099.00**	**959.00**

Browning

SealMaster Pillow Blocks & Standard Duty Bearings





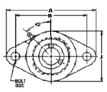
- Air handling bearings
- 2 and 4 bolt flange styles
- Patented felt labyrinth seal
- Exclusive lock pin and dimple rotation and lubrication system
- Solid cast iron housing

Order #	Mfg. #	Shaft Diam.	A	B	C	D	G	H	J	K	Each	6 Lot
L47-157	NP-12T-CXU	3/4"	1-15/16"	5"	3-3/8" to 4-1/8"	1-1/2"	1/2"	2-9/16"	1-9/32"	25/32"	**899.00**	**809.00**
L47-158	NP-16T-CXU	1"	1-7/16"	5-1/2"	3-7/8" to 4-3/8"	1-1/2"	1/2"	2-13/16"	1-7/16"	7/8"	**555.00**	**495.00**
L47-159	NP-19T-CXU	1-3/16"	1-11/16"	6-1/2"	4-7/16" to 5-1/16"	1-7/8"	9/16"	3-3/8"	1-9/16"	15/16"	**655.00**	**589.00**
L47-160	NP-23T-CXU	1-7/16"	1-7/8"	6-9/16"	4-11/16" to 5-5/16"	1-7/8"	5/8"	3-3/4"	1-3/4"	1-1/16"	**775.00**	**699.00**
L47-161	NP-27T-CXU	1-11/16"	2-1/8"	7-1/2"	5-7/16" to 6-1/16"	2-1/8"	11/16"	4-1/4"	2"	1-1/4"	**969.00**	**875.00**
L47-162	NP-31T-CXU	1-15/16"	2-1/4"	8-1/8"	6" to 6-1/2"	2-3/8"	3/4"	4-9/16"	2-3/32"	1-11/32"	**1145.00**	**1045.00**
L47-163	NP-35T-CXU	2-3/16"	2-1/2"	8-5/8"	6-1/2" to 7"	2-3/8"	3/4"	5"	2-1/4"	1-3/8"	**1345.00**	**1199.00**
L47-164	NP-12-CXU	3/4"	1-5/16"	5"	3-3/8" to 4-1/8"	1-1/2"	1/2"	2-9/16"	1-7/32"	23/32"	**379.00**	**339.00**
L47-165	NP-16-CXU	1"	1-7/16"	5-1/2"	3-7/8" to 4-3/8"	1-1/2"	1/2"	2-13/16"	1-3/8"	13/16"	**439.00**	**395.00**
L47-166	NP-19-CXU	1-3/16"	1-11/16"	6-1/2"	4-7/16" to 5-1/16"	1-7/8"	9/16"	3-3/8"	1-1/2"	7/8"	**975.00**	**879.00**
L47-167	NP-23-CXU	1-7/16"	1-7/8"	6-9/16"	4-11/16 " to 5-5/16"	1-7/8"	5/8"	3-3/4"	1-11/16"	1"	**619.00**	**559.00**
L47-168	NP-27-CXU	1-11/16"	2-1/8"	7-1/2"	5-7/16" to 6-1/16"	2-1/8"	11/16"	4-1/4"	1-15/16"	1-3/16"	**775.00**	**695.00**
L47-169	NP-31-CXU	1-15/16"	2-1/4"	8-1/8"	6" to 6-1/2"	2-3/8"	3/4"	4-9/16"	2-1/32"	1-9/32"	**885.00**	**799.00**
L47-170	NP-35-CXU	2-3/16"	2-1/2"	8-5/8"	6-1/2 to 7"	2-3/8"	3/4"	5"	2-3/16"	1-5/16"	**1099.00**	**985.00**

Browning

200 Series Standard-Duty Air Handling Bearings





- AH air handling bearings
- Cast iron 2-bolt flange
- Diamond faceted 120° set screw lock
- Contact seal with flinger
- Air handling housing fit
- Noise tested

Order #	Mfg. #	Shaft Diam.	A	B	J	Each	6 Lot
L40-862	VF2S-208-AH	1/2"	3-7/8"	3"	13/32"	**185.00**	**169.00**
L40-863	VF2S-210-AH	5/8"	3-7/8"	3"	13/32"	**199.00**	**185.00**
L40-864	VF2S-212-AH	3/4"	4-13/32"	3-17/32"	1/2"	**209.00**	**195.00**
L40-865	VF2S-215-AH	15/16"	4-7/8"	3-57/64"	9/16"	**239.00**	**219.00**
L40-866	VF2S-216-AH	1"	4-7/8"	3-57/64"	9/16"	**219.00**	**205.00**
L40-867	VF2S-219-AH	1-3/16"	5-9/16"	4-19/32"	5/8"	**305.00**	**279.00**
L40-869	VF2S-220S-AH	1-1/4"	5-9/16"	4-19/32"	5/8"	**259.00**	**239.00**
L40-868	VF2S-220-AH	1-1/4"	6-1/8"	5-1/8"	11/16"	**335.00**	**305.00**
L40-870	VF2S-223-AH	1-7/16"	6-1/8"	5-1/8"	11/16"	**355.00**	**329.00**
L40-871	VF2S-224-AH	1-1/2"	6-3/4"	5-21/32"	3/4"	**379.00**	**349.00**
L40-872	VF2S-227-AH	1-11/16"	7-1/16"	5-27/32"	3/4"	**435.00**	**399.00**
L40-873	VF2S-228-AH	1-3/4"	7-1/16"	5-27/32"	3/4"	**409.00**	**379.00**
L40-874	VF2S-231-AH	1-15/16"	7-7/16"	6-3/16"	3/4"	**475.00**	**435.00**
L40-875	VF2S-232-AH	2"	8-1/2"	7-1/4"	7/8"	**1945.00**	**1799.00**
L40-876	VF2S-235-AH	2-3/16"	8-1/2"	7-1/4"	7/8"	**615.00**	**565.00**

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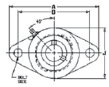
300 Series Medium-Duty Air Handling Bearings

- AH air handling bearings
- Cast iron 2-bolt flange
- Diamond faceted 120° set screw lock
- Contact seal with flinger
- Air handling housing fit
- Noise tested



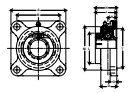


Order #	Mfg. #	Shaft Diam.	A	B	J	Each	6 Lot
L40-877	VF2S-316-AH	1"	5-9/16"	4-19/32"	7/8"	**315.00**	**289.00**
L40-878	VF2S-319-AH	1-3/16"	6-1/8"	5-1/8"	1"	**365.00**	**335.00**
L40-879	VF2S-323-AH	1-7/16"	6-3/4"	5-21/32"	1-3/16"	**415.00**	**379.00**
L40-880	VF2S-324-AH	1-1/2"	7-1/16"	5-27/32"	1-3/16"	**455.00**	**419.00**
L40-881	VF2S-327-AH	1-11/16"	7-7/16"	6-3/16"	1-9/32"	**1845.00**	**1699.00**
L40-882	VF2S-328-AH	1-3/4"	7-7/16"	6-3/16"	1-9/32"	**505.00**	**465.00**

Sealmaster Standard Duty Two Bolt Flanges

- Extra wide inner and outer race
- Patented felt labyrinth seal
- Exclusive lock pin and dimple rotation and lubrication system
- Solid cast iron housing
- High performance gold plex grease
- Noise tested





Order #	Mfg. #	Shaft Diam.	A	B	C	D	E	F	G	H	J	K	Each	6 Lot
L47-177	SFT-19-CXU	1-3/16"	5-9/16"	4-19/32"	3/14"	1-11/64"	—	—	17/32"	1-9/16"	1-1/2"	—	**479.00**	**435.00**
L47-178	SFT-23-CXU	1-7/16"	6-1/8"	5-1/8"	3-3/4"	1-11/32"	—	—	9/16"	1-3/4"	1-11/16"	—	**559.00**	**505.00**
L47-179	SFT-27-CXU	1-11/16"	7-1/16"	5-27/32"	4-3/8"	1-9/16"	—	—	9/16"	2-3/64"	1-15/16"	—	**2399.00**	**2199.00**
L47-180	SFT-19T-CXU	1-3/16"	5-9/16"	4-19/32"	3-1/4"	1-11/64"	—	—	17/32"	1-5/8"	1-9/16"	—	**605.00**	**545.00**
L47-181	SFT-23T-CXU	1-7/16"	6-1/8"	5-1/8"	3-3/4"	1-11/32"	—	—	9/16"	1-13/16"	1-3/4"	—	**775.00**	**699.00**
L47-182	SFT-27T-CXU	1-11/16"	7-1/16"	5-27/32"	4-3/8"	1-9/16"	—	—	9/16"	2-7/64"	2"	—	**725.00**	**655.00**
L47-185	TFT-23TC-1	1-7/16"	3-3/4"	3"	2-3/4"	11/16"	—	—	—	1-1/2"	—	1-7/16"	**629.00**	**565.00**
L47-186	TFT-19TC-1	1-3/8"	4-7/8"	3-15/16"	3-11/16"	7/8"	—	—	—	1-13/16"	—	1-3/4"	**535.00**	**485.00**
L47-188	TFT-22TC-1	1-1/4"	4-7/8"	3-15/16"	3-11/16"	7/8"	—	—	—	1-13/16"	—	1-3/4"	**655.00**	**589.00**
L47-189	TFT-20RT	1-7/16"	4-7/8"	3-15/16"	7/8"	15/16"	1-3/4"	25/64"	—	—	3-11/16"	11/16"	**605.00**	**545.00**
L47-190	TFT-20TC-1	1-1/8"	4-7/16"	3-9/16"	3-1/4"	13/16"	—	—	—	1-5/8"	—	1-9/16"	**629.00**	**565.00**
L47-191	TFT-23	3/4"	2-17/32"	—	—	7/8"	1"	—	3/16"	—	1-9/32"	—	**649.00**	**585.00**
L47-192	TFT-18TC-1	1"	2-17/32"	—	—	7/8"	1"	—	3/16"	—	1-3/8"	—	**619.00**	**559.00**

Bearing Lubrication

Over half of all bearing failures are due to foreign contamination and inadequate lubrication life

Hub Blaster Fan Blade/Hub Puller Kit

- Kit has all parts necessary to remove blower wheel from shaft adapters 1" to 1-5/8" O.D.
- Custom molded plastic carrying case
- Will work on some taller shafts
- Works for any HVAC motor replacement
- Made from high carbon steel



Order #	Mfg. #	Each
H28-791	HB100	**425.00**

PROVIDING YOU UNIVERSAL TRUCK STOCK OPTIONS

Ask About Our Replenishment Programs Today!

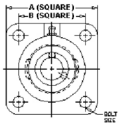


Browning

200 Series Standard-Duty Air Handling Bearings

- AH air handling bearings
- Cast iron 4-bolt flange
- Diamond faceted 120° set screw lock
- Contact seal with flinger
- Air handling housing fit
- Noise tested





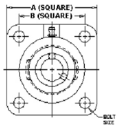
Order #	Mfg. #	Shaft Diam.	A	B	Each	6 Lot
L40-883	VF4S-208-AH	1/2"	3"	2-1/8"	**209.00**	**195.00**
L40-884	VF4S-210-AH	5/8"	3"	2-1/8"	**229.00**	**209.00**
L40-885	VF4S-212-AH	3/4"	3-3/8"	2-1/2"	**245.00**	**225.00**
L40-886	VF4S-215-AH	15/16"	3-3/4"	2-3/4"	**255.00**	**235.00**
L40-887	VF4S-216-AH	1"	3-3/4"	2-3/4"	**219.00**	**205.00**
L40-888	VF4S-219-AH	1-13/16"	4-1/4"	3-1/4"	**279.00**	**259.00**
L40-889	VF4S-220-AH	1-1/4"	4-5/8"	3-5/8"	**329.00**	**305.00**
L40-890	VF4S-223-AH	1-7/16"	4-5/8"	3-5/8"	**605.00**	**555.00**
L40-891	VF4S-224-AH	1-1/2"	5-1/8"	4"	**349.00**	**325.00**
L40-892	VF4S-227-AH	1-11/16"	5-3/8"	4-1/8"	**435.00**	**399.00**
L40-893	VF4S-228-AH	1-3/4"	5-3/8"	4-1/8"	**459.00**	**419.00**
L40-894	VF4S-231-AH	1-15/16"	5-5/8"	4-3/8"	**485.00**	**445.00**
L40-895	VF4S-235-AH	2-3/16"	6-3/8"	5-1/8"	**599.00**	**549.00**
L40-896	VF4S-239-AH	2-7/16"	6-7/8"	5-5/8"	**725.00**	**669.00**

Browning

300 Series Standard-Duty Air Handling Bearings

- AH air handling bearings
- Cast iron 4-bolt flange
- Diamond faceted 120° set screw lock
- Contact seal with flinger
- Air handling housing fit
- Noise tested



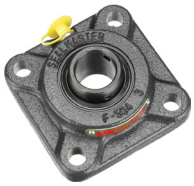


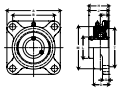
Order #	Mfg. #	Shaft Diam.	A	B	Each	6 Lot
L40-898	VF4S-319 AH	1-3/16"	4-5/8"	3-5/8"	**449.00**	**405.00**
L40-899	VF4S-323 AH	1-7/16"	5-1/8"	4"	**509.00**	**455.00**
L40-900	VF4S-324 AH	1-1/2"	5-3/8"	4-1/8"	**559.00**	**505.00**
L40-901	VF4S-327 AH	1-11/16"	5-5/8"	4-3/8"	**1199.00**	**1099.00**
L40-902	VF4S-328 AH	1-3/4"	5-5/8"	4-3/8"	**675.00**	**609.00**
L40-903	VF4S-331 AH	1-15/16"	6-3/8"	5-1/8"	**735.00**	**665.00**
L40-904	VF4S-335 AH	2-3/16"	6-7/8"	5-5/8"	**895.00**	**805.00**
L40-905	VF4S-336 AH	2-1/4"	6-7/8"	5-5/8"	**965.00**	**869.00**

Browning

Sealmaster Standard Four Bolt Flanges

- Extra wide inner and outer race
- Patented felt labyrinth seal
- Exclusive lock pin and dimple rotation and lubrication system
- Solid cast iron housing
- High performance gold plex grease
- Noise tested





Order #	Mfg. #	Shaft Diam.	A	B	D	E	F	G	H	J	Each	6 Lot
L47-171	SF-19-CXU	1 3/16	4 1/4	3 1/4	1 11/64	1 9/16	15/32	17/32	1 9/16	1 1/2	**479.00**	**435.00**
L47-172	SF-23-CXU	1 7/16	4 5/8	3 5/8	1 11/32	—	—	9/16	1 3/4	1 11/16	**575.00**	**519.00**
L47-173	SF-27-CXU	1 11/16	5 3/8	4 1/8	1 9/16	—	—	9/16	2 3/64	1 15/16	**705.00**	**635.00**
L47-174	SF-19T-CXU	1 3/16	4 1/4	3 1/4	1 11/64	—	—	17/32	1 5/8	1 9/16	**655.00**	**589.00**
L47-175	SF-23T-CXU	1 7/16	4 5/8	3 5/8	1 11/32	—	—	9/16	1 13/16	1 3/4	**775.00**	**699.00**
L47-176	SF-27T-CXU	1 11/16	5 3/8	4 1/8	1 9/16	—	—	9/16	2 7/64	2	**899.00**	**809.00**

Browning

Adjustable Belts

Premium Griptwist® Belts



- For emergency replacements, vibration suppression and hostile environments
- Operating temperature range is -40°F to 240°F (-40°C to 116°C)
- Can be very effective on heat recovery equipment and high-temp exhaust fans
- Can be used in most traditional V-belts applications

Order #	Mfg. #	Type	Length
P30-901	2708055	3L, Metric Z	5'
P30-902	2708022	3L, Metric Z	100'
P33-901	2708030	A, Metric SPA	5'

Order #	Mfg. #	Type	Length
P33-902	2708006	A, Metric SPA	100'
P34-901	2708048	B, Metric SPB	5'
P34-902	2708014	B, Metric SPB	100'

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Adjustable Belts

Acculink® Adjustable V-Belts

- For temporary replacement or permanent substitute for conventional rubber V-belts
- Works at same running HP ratings as conventional rubber V-belts
- Designed to fit any drive application
- Constructed of urethane elastomer and woven polyester
- Available in carton and sleeved packaging

Fig.	Order #	Mfg. #	Type	Length	Each
A	**W89-312**	3L-LINK-100	3L	100'	**1799.00**
A	**W89-313**	A-LINK-100	A	100'	**1699.00**
A	**W89-314**	B-LINK-100	B	100'	**1999.00**
A	**W89-315**	3L-LINK-25	3L	25'	**449.00**
A	**W89-316**	A-LINK-25	A	25'	**449.00**
A	**W89-317**	B-LINK-25	B	25'	**519.00**
B	**P47-900**	3L-LINK-5	3L	60"	**99.00**
B	**P51-900**	A-LINK-6	4L/A 5L/B	72"	**119.00**
B	**P54-900**	B-LINK-6	B	72"	**205.00**



A


B

Key V-Belt Drive Vibration Sources

- Improperly machined sheaves
- Improper key length
- Misalignment
- Belts which have non-uniformed hardness, a permanent set, or non-uniform wear



FHP V-Belts

3L Section 3/8" Top x 7/32" Thick x 40° Angle

- Oil and heat resistant
- Anti-static



3L - 3/8" x 7/32"



Order #	Industry Part #	Length	Top Width	Thickness
P55-160	3L160	16"	3/8"	7/32"
P55-170	3L170	17"	3/8"	7/32"
P55-180	3L180	18"	3/8"	7/32"
P55-190	3L190	19"	3/8"	7/32"
P55-200	3L200	20"	3/8"	7/32"
P55-210	3L210	21"	3/8"	7/32"
P55-220	3L220	22"	3/8"	7/32"
P55-230	3L230	23"	3/8"	7/32"
P55-240	3L240	24"	3/8"	7/32"
P55-250	3L250	25"	3/8"	7/32"
P55-260	3L260	26"	3/8"	7/32"
P55-270	3L270	27"	3/8"	7/32"

Order #	Industry Part #	Length	Top Width	Thickness
P55-280	3L280	28"	3/8"	7/32"
P55-290	3L290	29"	3/8"	7/32"
P55-300	3L300	30"	3/8"	7/32"
P55-310	3L310	31"	3/8"	7/32"
P55-320	3L320	32"	3/8"	7/32"
P55-330	3L330	33"	3/8"	7/32"
P55-340	3L340	34"	3/8"	7/32"
P55-350	3L350	35"	3/8"	7/32"
P55-360	3L360	36"	3/8"	7/32"
P55-370	3L370	37"	3/8"	7/32"
P55-380	3L380	38"	3/8"	7/32"
P55-390	3L390	39"	3/8"	7/32"

Order #	Industry Part #	Length	Top Width	Thickness
P55-400	3L400	40"	3/8"	7/32"
P55-410	3L410	41"	3/8"	7/32"
P55-420	3L420	42"	3/8"	7/32"
P55-430	3L430	43"	3/8"	7/32"
P55-440	3L440	44"	3/8"	7/32"
P55-450	3L450	45"	3/8"	7/32"
P55-460	3L460	46"	3/8"	7/32"
P55-470	3L470	47"	3/8"	7/32"
P55-480	3L480	48"	3/8"	7/32"
P55-490	3L490	49"	3/8"	7/32"
P55-500	3L500	50"	3/8"	7/32"
P55-510	3L510	51"	3/8"	7/32"

Multi-Plus V-Belts

A/4L Section — 1/2" Top Width x 11/32" Thick x 40° Angle

- Labeling identifies both RMA and FHP number to reduce your total V-Belt cost by consolidating existing classical and FHP belt sizes into a single belt line
- Replaces both “A” and “4L” belt types
- Oil and heat-resistant, anti-static



4L - 1/2"



Order #	Industry Part #	Length	Top Width	Thickness
P53-015	4L170	17"	1/2"	11/32"
P53-016	4L180	18"	1/2"	11/32"
P53-017	4L190	19"	1/2"	11/32"
P53-018	4L200	20"	1/2"	11/32"
P53-019	A19/4L210	21"	1/2"	11/32"
P53-020	A20/4L220	22"	1/2"	11/32"
P53-021	A21/4L230	23"	1/2"	11/32"
P53-022	A22/4L240	24"	1/2"	11/32"
P53-023	A23/4L250	25"	1/2"	11/32"
P53-024	A24/4L260	26"	1/2"	11/32"
P53-025	A25/4L270	27"	1/2"	11/32"
P53-026	A26/4L280	28"	1/2"	11/32"
P53-027	A27/4L290	29"	1/2"	11/32"
P53-028	A28/4L300	30"	1/2"	11/32"
P53-029	A29/4L310	31"	1/2"	11/32"
P53-030	A30/4L320	32"	1/2"	11/32"
P53-031	A31/4L330	33"	1/2"	11/32"
P53-032	A32/4L340	34"	1/2"	11/32"
P53-033	A33/4L350	35"	1/2"	11/32"
P53-034	A34/4L360	36"	1/2"	11/32"
P53-035	A35/4L370	37"	1/2"	11/32"
P53-036	A36/4L380	38"	1/2"	11/32"
P53-037	A37/4L390	39"	1/2"	11/32"
P53-038	A38/4L400	40"	1/2"	11/32"
P53-039	A39/4L410	41"	1/2"	11/32"
P53-040	A40/4L420	42"	1/2"	11/32"
P53-041	A41/4L430	43"	1/2"	11/32"
P53-042	A42/4L440	44"	1/2"	11/32"

Order #	Industry Part #	Length	Top Width	Thickness
P53-043	A43/4L450	45"	1/2"	11/32"
P53-044	A44/4L460	46"	1/2"	11/32"
P53-045	A45/4L470	47"	1/2"	11/32"
P53-046	A46/4L480	48"	1/2"	11/32"
P53-047	A47/4L490	49"	1/2"	11/32"
P53-048	A48/4L500	50"	1/2"	11/32"
P53-049	A49/4L510	51"	1/2"	11/32"
P53-050	A50/4L520	52"	1/2"	11/32"
P53-051	A51/4L530	53"	1/2"	11/32"
P53-052	A52/4L540	54"	1/2"	11/32"
P53-053	A53/4L550	55"	1/2"	11/32"
P53-054	A54/4L560	56"	1/2"	11/32"
P53-055	A55/4L570	57"	1/2"	11/32"
P53-056	A56/4L580	58"	1/2"	11/32"
P53-057	A57/4L590	59"	1/2"	11/32"
P53-058	A58/4L600	60"	1/2"	11/32"
P53-059	A59/4L610	61"	1/2"	11/32"
P53-060	A60/4L620	62"	1/2"	11/32"
P53-061	A61/4L630	63"	1/2"	11/32"
P53-062	A62/4L640	64"	1/2"	11/32"
P53-063	A63/4L650	65"	1/2"	11/32"
P53-064	A64/4L660	66"	1/2"	11/32"
P53-065	A65/4L670	67"	1/2"	11/32"
P53-066	A66/4L680	68"	1/2"	11/32"
P53-067	A67/4L690	69"	1/2"	11/32"
P53-068	A68/4L700	70"	1/2"	11/32"
P53-069	A69/4L710	71"	1/2"	11/32"
P53-070	A70/4L720	72"	1/2"	11/32"

Order #	Industry Part #	Length	Top Width	Thickness
P53-071	A71/4L730	73"	1/2"	11/32"
P53-072	A72/4L740	74"	1/2"	11/32"
P53-073	A73/4L750	75"	1/2"	11/32"
P53-074	A74/4L760	76"	1/2"	11/32"
P53-075	A75/4L770	77"	1/2"	11/32"
P53-076	A76/4L780	78"	1/2"	11/32"
P53-077	A77/4L790	79"	1/2"	11/32"
P53-078	A78/4L800	80"	1/2"	11/32"
P53-079	A79/4L810	81"	1/2"	11/32"
P53-080	A80/4L820	82"	1/2"	11/32"
P53-081	A81/4L830	83"	1/2"	11/32"
P53-082	A82/4L840	84"	1/2"	11/32"
P53-083	A83/4L850	85"	1/2"	11/32"
P53-084	A84/4L860	86"	1/2"	11/32"
P53-085	A85/4L870	87"	1/2"	11/32"
P53-086	A86/4L880	88"	1/2"	11/32"
P53-087	A87/4L890	89"	1/2"	11/32"
P53-088	A88/4L900	90"	1/2"	11/32"
P53-089	A89/4L910	91"	1/2"	11/32"
P53-090	A90/4L920	92"	1/2"	11/32"
P53-091	A91/4L930	93"	1/2"	11/32"
P53-092	A92/4L940	94"	1/2"	11/32"
P53-093	A93/4L950	95"	1/2"	11/32"
P53-094	A94/4L960	96"	1/2"	11/32"
P53-095	A95/4L970	97"	1/2"	11/32"
P53-096	A96/4L980	98"	1/2"	11/32"
P53-097	A97/4L990	99"	1/2"	11/32"
P53-098	A98/4L1000	100"	1/2"	11/32"

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Multi-Plus V-Belts

B/5L Section — 21/32" Top Width 13/32" Thick x 40° Angle

- Labeling identifies both RMA and FHP number to reduce your total V-Belt cost by consolidating existing classical and FHP belt sizes into a single belt line
- Replaces both “B” and “5L” belt types
- Oil and heat-resistant, anti-static





B/5L - 21/32" x 13/32"

Order #	Industry Part #	Length	Top Width	Thickness
P52-022	B22/5L250	25"	21/32"	13/32"
P52-023	B23/5L260	26"	21/32"	13/32"
P52-024	B24/5L270	27"	21/32"	13/32"
P52-025	B25/5L280	28"	21/32"	13/32"
P52-026	B26/5L290	29"	21/32"	13/32"
P52-027	B27/5L300	30"	21/32"	13/32"
P52-028	B28/5L310	31"	21/32"	13/32"
P52-029	B29/5L320	32"	21/32"	13/32"
P52-030	B30/5L330	33"	21/32"	13/32"
P52-031	B31/5L340	34"	21/32"	13/32"
P52-032	B32/5L350	35"	21/32"	13/32"
P52-033	B33/5L360	36"	21/32"	13/32"
P52-034	B34/5L370	37"	21/32"	13/32"
P52-035	B35/5L380	38"	21/32"	13/32"
P52-036	B36/5L390	39"	21/32"	13/32"
P52-037	B37/5L400	40"	21/32"	13/32"
P52-038	B38/5L410	41"	21/32"	13/32"
P52-039	B39/5L420	42"	21/32"	13/32"
P52-040	B40/5L430	43"	21/32"	13/32"
P52-041	B41/5L440	44"	21/32"	13/32"
P52-042	B42/5L450	45"	21/32"	13/32"
P52-043	B43/5L460	46"	21/32"	13/32"
P52-044	B44/5L470	47"	21/32"	13/32"
P52-045	B45/5L480	48"	21/32"	13/32"
P52-046	B46/5L490	49"	21/32"	13/32"
P52-047	B47/5L500	50"	21/32"	13/32"
P52-048	B48/5L510	51"	21/32"	13/32"
P52-049	B49/5L520	52"	21/32"	13/32"
P52-050	B50/5L530	53"	21/32"	13/32"
P52-051	B51/5L540	54"	21/32"	13/32"
P52-052	B52/5L550	55"	21/32"	13/32"
P52-053	B53/5L560	56"	21/32"	13/32"
P52-054	B54/5L570	57"	21/32"	13/32"
P52-055	B55/5L580	58"	21/32"	13/32"
P52-056	B56/5L590	59"	21/32"	13/32"
P52-057	B57/5L600	60"	21/32"	13/32"
P52-058	B58/5L610	61"	21/32"	13/32"
P52-059	B59/5L620	62"	21/32"	13/32"
P52-060	B60/5L630	63"	21/32"	13/32"
P52-061	B61/5L640	64"	21/32"	13/32"
P52-062	B62/5L650	65"	21/32"	13/32"
P52-063	B63/5L660	66"	21/32"	13/32"
P52-064	B64/5L670	67"	21/32"	13/32"
P52-065	B65/5L680	68"	21/32"	13/32"
P52-066	B66/5L690	69"	21/32"	13/32"
P52-067	B67/5L700	70"	21/32"	13/32"
P52-068	B68/5L710	71"	21/32"	13/32"
P52-069	B69/5L720	72"	21/32"	13/32"
P52-070	B70/5L730	73"	21/32"	13/32"
P52-071	B71/5L740	74"	21/32"	13/32"
P52-072	B72/5L750	75"	21/32"	13/32"
P52-073	B73/5L760	76"	21/32"	13/32"
P52-074	B74/5L770	77"	21/32"	13/32"
P52-075	B75/5L780	78"	21/32"	13/32"
P52-076	B76/5L790	79"	21/32"	13/32"
P52-077	B77/5L800	80"	21/32"	13/32"
P52-078	B78/5L810	81"	21/32"	13/32"
P52-079	B79/5L820	82"	21/32"	13/32"
P52-080	B80/5L830	83"	21/32"	13/32"
P52-081	B81/5L840	84"	21/32"	13/32"
P52-082	B82/5L850	85"	21/32"	13/32"
P52-083	B83/5L860	86"	21/32"	13/32"
P52-084	B84/5L870	87"	21/32"	13/32"
P52-085	B85/5L880	88"	21/32"	13/32"
P52-086	B86/5L890	89"	21/32"	13/32"
P52-087	B87/5L900	90"	21/32"	13/32"
P52-088	B88/5L910	91"	21/32"	13/32"
P52-089	B89/5L920	92"	21/32"	13/32"
P52-090	B90/5L930	93"	21/32"	13/32"
P52-091	B91/5L940	94"	21/32"	13/32"
P52-092	B92/5L950	95"	21/32"	13/32"
P52-093	B93/5L960	96"	21/32"	13/32"
P52-094	B94/5L970	97"	21/32"	13/32"
P52-095	B95/5L980	98"	21/32"	13/32"
P52-096	B96/5L990	99"	21/32"	13/32"
P52-097	B97/5L1000	100"	21/32"	13/32"
P52-098	B98/5L1010	101"	21/32"	13/32"
P52-099	B99/5L1020	102"	21/32"	13/32"

V-Belt Operating Temperature

Key factors that contribute to overall v-belt drive operating temperature

- Ambient temperature
- Center distance (the longer the belt the more time it has to dissipate heat as it rotates)
- Sheave (pulley) diameter
- Sheave groove wear (Sheaves with wear greater than 1/32” contribute to slippage and added heat)
- Belt flex rate
- Tension level
- Sheave alignment
- V-belt type (Notched or sometimes cogged v-belts run cooler than wrapped belts)
- Belt guard design / drive enclosures

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Browning



Browning FHP Belts

3L, 4L, and 5L, Series Wrapped Belts

- Wrapped construction provides smooth, quiet operation
- Formulated for maximum flexibility with smaller diameter sheaves
- Oil and heat resistant
- Static conducting



3L - 3/8" 4L - 1/2" 5L - 21/32"

Order #	Industry Part #	Length	Top Width
3L Series			
P30-160	3L160	16"	3/8"
P30-170	3L170	17"	3/8"
P30-180	3L180	18"	3/8"
P30-190	3L190	19"	3/8"
P30-200	3L200	20"	3/8"
P30-210	3L210	21"	3/8"
P30-220	3L220	22"	3/8"
P30-230	3L230	23"	3/8"
P30-240	3L240	24"	3/8"
P30-250	3L250	25"	3/8"
P30-260	3L260	26"	3/8"
P30-270	3L270	27"	3/8"
P30-280	3L280	28"	3/8"
P30-290	3L290	29"	3/8"
P30-300	3L300	30"	3/8"
P30-310	3L310	31"	3/8"
P30-320	3L320	32"	3/8"
P30-330	3L330	33"	3/8"
P30-340	3L340	34"	3/8"
P30-350	3L350	35"	3/8"
P30-360	3L360	36"	3/8"
P30-370	3L370	37"	3/8"
P30-380	3L380	38"	3/8"
P30-390	3L390	39"	3/8"
P30-400	3L400	40"	3/8"
P30-410	3L410	41"	3/8"
P30-420	3L420	42"	3/8"
P30-430	3L430	43"	3/8"
P30-440	3L440	44"	3/8"
P30-450	3L450	45"	3/8"
P30-460	3L460	46"	3/8"
P30-470	3L470	47"	3/8"
P30-480	3L480	48"	3/8"
P30-490	3L490	49"	3/8"
P30-500	3L500	50"	3/8"
P30-510	3L510	51"	3/8"
4L Series			
P31-170	4L170	17"	1/2"
P31-180	4L180	18"	1/2"
P31-190	4L190	19"	1/2"
P31-200	4L200	20"	1/2"
P31-210	4L210	21"	1/2"
P31-220	4L220	22"	1/2"
P31-225	4L225	22.5"	1/2"
P31-230	4L230	23"	1/2"
P31-240	4L240	24"	1/2"
P31-250	4L250	25"	1/2"
P31-260	4L260	26"	1/2"
P31-270	4L270	27"	1/2"
P31-280	4L280	28"	1/2"
P31-290	4L290	29"	1/2"
P31-300	4L300	30"	1/2"
P31-310	4L310	31"	1/2"
P31-320	4L320	32"	1/2"
P31-330	4L330	33"	1/2"
P31-340	4L340	34"	1/2"
P31-350	4L350	35"	1/2"
P31-360	4L360	36"	1/2"
P31-370	4L370	37"	1/2"
P31-380	4L380	38"	1/2"
P31-390	4L390	39"	1/2"
P31-400	4L400	40"	1/2"
P31-410	4L410	41"	1/2"
P31-415	4L415	41.5"	1/2"
P31-420	4L420	42"	1/2"
P31-430	4L430	43"	1/2"
P31-440	4L440	44"	1/2"
P31-450	4L450	45"	1/2"
P31-460	4L460	46"	1/2"
P31-470	4L470	47"	1/2"
P31-480	4L480	48"	1/2"
P31-490	4L490	49"	1/2"
P31-500	4L500	50"	1/2"
P31-510	4L510	51"	1/2"
P31-520	4L520	52"	1/2"
P31-530	4L530	53"	1/2"
P31-540	4L540	54"	1/2"
P31-550	4L550	55"	1/2"
P31-560	4L560	56"	1/2"
P31-570	4L570	57"	1/2"
P31-580	4L580	58"	1/2"
P31-590	4L590	59"	1/2"
P31-600	4L600	60"	1/2"
P31-610	4L610	61"	1/2"
P31-620	4L620	62"	1/2"
P31-630	4L630	63"	1/2"
P31-640	4L640	64"	1/2"
P31-650	4L650	65"	1/2"
P31-660	4L660	66"	1/2"
P31-670	4L670	67"	1/2"
P31-680	4L680	68"	1/2"
P31-690	4L690	69"	1/2"
P31-700	4L700	70"	1/2"
P31-710	4L710	71"	1/2"
P31-720	4L720	72"	1/2"
P31-840	4L840	84"	1/2"
P31-100	4L1000	100"	1/2"
5L Series			
P32-250	5L250	25"	21/32"
P32-260	5L260	26"	21/32"
P32-270	5L270	27"	21/32"
P32-280	5L280	28"	21/32"
P32-290	5L290	29"	21/32"
P32-300	5L300	30"	21/32"
P32-310	5L310	31"	21/32"
P32-320	5L320	32"	21/32"
P32-330	5L330	33"	21/32"
P32-340	5L340	34"	21/32"
P32-350	5L350	35"	21/32"
P32-360	5L360	36"	21/32"
P32-370	5L370	37"	21/32"
P32-380	5L380	38"	21/32"
P32-390	5L390	39"	21/32"
P32-400	5L400	40"	21/32"
P32-410	5L410	41"	21/32"
P32-420	5L420	42"	21/32"
P32-430	5L430	43"	21/32"
P32-440	5L440	44"	21/32"
P32-450	5L450	45"	21/32"
P32-460	5L460	46"	21/32"
P32-470	5L470	47"	21/32"
P32-480	5L480	48"	21/32"
P32-490	5L490	49"	21/32"
P32-500	5L500	50"	21/32"
P32-510	5L510	51"	21/32"
P32-520	5L520	52"	21/32"
P32-530	5L530	53"	21/32"
P32-540	5L540	54"	21/32"
P32-550	5L550	55"	21/32"
P32-560	5L560	56"	21/32"
P32-570	5L570	57"	21/32"
P32-580	5L580	58"	21/32"
P32-590	5L590	59"	21/32"
P32-600	5L600	60"	21/32"
P32-610	5L610	61"	21/32"
P32-620	5L620	62"	21/32"
P32-630	5L630	63"	21/32"
P32-640	5L640	64"	21/32"
P32-650	5L650	65"	21/32"
P32-670	5L670	67"	21/32"
P32-680	5L680	68"	21/32"
P32-690	5L690	69"	21/32"
P32-700	5L700	70"	21/32"
P32-710	5L710	71"	21/32"
P32-720	5L720	72"	21/32"
P32-730	5L730	73"	21/32"
P32-740	5L740	74"	21/32"
P32-750	5L750	75"	21/32"
P32-760	5L760	76"	21/32"
P32-770	5L770	77"	21/32"
P32-780	5L780	78"	21/32"
P32-790	5L790	79"	21/32"
P32-800	5L800	80"	21/32"
P32-810	5L810	81"	21/32"
P32-820	5L820	82"	21/32"
P32-830	5L830	83"	21/32"
P32-840	5L840	84"	21/32"
P32-850	5L850	85"	21/32"
P32-860	5L860	86"	21/32"
P32-870	5L870	87"	21/32"
P32-880	5L880	88"	21/32"
P32-890	5L890	89"	21/32"
P32-900	5L900	90"	21/32"
P32-910	5L910	91"	21/32"
P32-920	5L920	92"	21/32"
P32-930	5L930	93"	21/32"
P32-940	5L940	94"	21/32"
P32-950	5L950	95"	21/32"
P32-960	5L960	96"	21/32"
P32-970	5L970	97"	21/32"
P32-980	5L980	98"	21/32"
P32-990	5L990	99"	21/32"
P32-100	5L1000	100"	21/32"

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Browning Classical Belts

A Section — 1/2" Top Width x 5/16" Thick

- Single fabric design offers greater flexibility and allows for use of smaller diameter sheaves and reduced vibration
- Brand used by major HVAC original equipment manufacturers
- CODE 1 meets or exceeds ANSI belt matching standards
- Oil and heat resistant
- Static conducting





A - 1/2" X 5/16"

Order #	Industry Part #	Length	Top Width	Thickness
P33-019	A19	21.2"	1/2"	5/16"
P33-020	A20	22.2"	1/2"	5/16"
P33-021	A21	23.2"	1/2"	5/16"
P33-022	A22	24.2"	1/2"	5/16"
P33-023	A23	25.2"	1/2"	5/16"
P33-024	A24	26.2"	1/2"	5/16"
P33-025	A25	27.2"	1/2"	5/16"
P33-026	A26	28.2"	1/2"	5/16"
P33-027	A27	29.2"	1/2"	5/16"
P33-028	A28	30.2"	1/2"	5/16"
P33-029	A29	31.2"	1/2"	5/16"
P33-030	A30	32.2"	1/2"	5/16"
P33-031	A31	33.2"	1/2"	5/16"
P33-032	A32	34.2"	1/2"	5/16"
P33-033	A33	35.2"	1/2"	5/16"
P33-034	A34	36.2"	1/2"	5/16"
P33-035	A35	37.2"	1/2"	5/16"
P33-036	A36	38.2"	1/2"	5/16"
P33-037	A37	39.2"	1/2"	5/16"
P33-038	A38	40.2"	1/2"	5/16"
P33-039	A39	41.2"	1/2"	5/16"
P33-040	A40	42.2"	1/2"	5/16"
P33-041	A41	43.2"	1/2"	5/16"
P33-042	A42	44.2"	1/2"	5/16"
P33-043	A43	45.2"	1/2"	5/16"
P33-044	A44	46.2"	1/2"	5/16"
P33-045	A45	47.2"	1/2"	5/16"
P33-046	A46	48.2"	1/2"	5/16"
P33-047	A47	49.2"	1/2"	5/16"
P33-048	A48	50.2"	1/2"	5/16"
P33-049	A49	51.2"	1/2"	5/16"
P33-050	A50	52.2"	1/2"	5/16"
P33-051	A51	53.2"	1/2"	5/16"
P33-052	A52	54.2"	1/2"	5/16"
P33-053	A53	55.2"	1/2"	5/16"
P33-054	A54	56.2"	1/2"	5/16"
P33-055	A55	57.2"	1/2"	5/16"
P33-056	A56	58.2"	1/2"	5/16"
P33-057	A57	59.2"	1/2"	5/16"
P33-058	A58	60.2"	1/2"	5/16"
P33-059	A59	61.2"	1/2"	5/16"
P33-060	A60	62.2"	1/2"	5/16"
P33-061	A61	63.2"	1/2"	5/16"
P33-062	A62	64.2"	1/2"	5/16"
P33-063	A63	65.2"	1/2"	5/16"
P33-064	A64	66.2"	1/2"	5/16"
P33-065	A65	67.2"	1/2"	5/16"
P33-066	A66	68.2"	1/2"	5/16"
P33-067	A67	69.2"	1/2"	5/16"
P33-068	A68	70.2"	1/2"	5/16"
P33-069	A69	71.2"	1/2"	5/16"
P33-070	A70	72.2"	1/2"	5/16"
P33-071	A71	73.2"	1/2"	5/16"
P33-072	A72	74.2"	1/2"	5/16"
P33-073	A73	75.2"	1/2"	5/16"
P33-074	A74	76.2"	1/2"	5/16"
P33-075	A75	77.2"	1/2"	5/16"
P33-076	A76	78.2"	1/2"	5/16"
P33-077	A77	79.2"	1/2"	5/16"
P33-078	A78	80.2"	1/2"	5/16"
P33-079	A79	81.2"	1/2"	5/16"
P33-080	A80	82.2"	1/2"	5/16"
P33-081	A81	83.2"	1/2"	5/16"
P33-082	A82	84.2"	1/2"	5/16"
P33-083	A83	85.2"	1/2"	5/16"
P33-084	A84	86.2"	1/2"	5/16"
P33-085	A85	87.2"	1/2"	5/16"
P33-086	A86	88.2"	1/2"	5/16"
P33-087	A87	89.2"	1/2"	5/16"
P33-088	A88	90.2"	1/2"	5/16"
P33-089	A89	91.2"	1/2"	5/16"
P33-090	A90	92.2"	1/2"	5/16"
P33-091	A91	93.2"	1/2"	5/16"
P33-092	A92	94.2"	1/2"	5/16"
P33-093	A93	95.2"	1/2"	5/16"
P33-094	A94	96.2"	1/2"	5/16"
P33-095	A95	97.2"	1/2"	5/16"
P33-096	A96	98.2"	1/2"	5/16"
P33-097	A97	99.2"	1/2"	5/16"
P33-098	A98	100.2"	1/2"	5/16"
P33-100	A100	102.2"	1/2"	5/16"
P33-103	A103	105.2"	1/2"	5/16"
P33-105	A105	107.2"	1/2"	5/16"
P33-110	A110	112.2"	1/2"	5/16"
P33-112	A112	114.2"	1/2"	5/16"
P33-120	A120	122.2"	1/2"	5/16"
P33-128	A128	130.2"	1/2"	5/16"
P33-136	A136	138.2"	1/2"	5/16"
P33-144	A144	146.2"	1/2"	5/16"

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Browning



B - 21/32" x 7/16"



Browning Classical Belts

B Section — 21/32" Top Width x 7/16" Thick

- Single fabric design offers greater flexibility and allows for use of smaller diameter sheaves and reduced vibration
- Brand used by major HVAC original equipment manufacturers
- CODE 1 meets or exceeds ANSI belt matching standards
- Oil and heat resistant
- Static conducting

Order #	Industry Part #	Length	Top Width	Thickness
P34-024	B24	27"	21/32"	7/16"
P34-025	B25	28"	21/32"	7/16"
P34-026	B26	29"	21/32"	7/16"
P34-027	B27	30"	21/32"	7/16"
P34-028	B28	31"	21/32"	7/16"
P34-029	B29	32"	21/32"	7/16"
P34-030	B30	33"	21/32"	7/16"
P34-031	B31	34"	21/32"	7/16"
P34-032	B32	35"	21/32"	7/16"
P34-033	B33	36"	21/32"	7/16"
P34-034	B34	37"	21/32"	7/16"
P34-035	B35	38"	21/32"	7/16"
P34-036	B36	39"	21/32"	7/16"
P34-037	B37	40"	21/32"	7/16"
P34-038	B38	41"	21/32"	7/16"
P34-039	B39	42"	21/32"	7/16"
P34-040	B40	43"	21/32"	7/16"
P34-041	B41	44"	21/32"	7/16"
P34-042	B42	45"	21/32"	7/16"
P34-043	B43	46"	21/32"	7/16"
P34-044	B44	47"	21/32"	7/16"
P34-045	B45	48"	21/32"	7/16"
P34-046	B46	49"	21/32"	7/16"
P34-047	B47	50"	21/32"	7/16"
P34-048	B48	51"	21/32"	7/16"
P34-049	B49	52"	21/32"	7/16"
P34-050	B50	53"	21/32"	7/16"
P34-051	B51	54"	21/32"	7/16"
P34-052	B52	55"	21/32"	7/16"
P34-053	B53	56"	21/32"	7/16"
P34-054	B54	57"	21/32"	7/16"
P34-055	B55	58"	21/32"	7/16"
P34-056	B56	59"	21/32"	7/16"
P34-057	B57	60"	21/32"	7/16"
P34-058	B58	61"	21/32"	7/16"
P34-059	B59	62"	21/32"	7/16"
P34-060	B60	63"	21/32"	7/16"
P34-061	B61	64"	21/32"	7/16"
P34-062	B62	65"	21/32"	7/16"
P34-063	B63	66"	21/32"	7/16"
P34-064	B64	67"	21/32"	7/16"
P34-065	B65	68"	21/32"	7/16"
P34-066	B66	69"	21/32"	7/16"
P34-067	B67	70"	21/32"	7/16"
P34-068	B68	71"	21/32"	7/16"
P34-069	B69	72"	21/32"	7/16"
P34-070	B70	73"	21/32"	7/16"
P34-071	B71	74"	21/32"	7/16"
P34-072	B72	75"	21/32"	7/16"
P34-073	B73	76"	21/32"	7/16"
P34-074	B74	77"	21/32"	7/16"
P34-075	B75	78"	21/32"	7/16"
P34-076	B76	79"	21/32"	7/16"
P34-077	B77	80"	21/32"	7/16"
P34-078	B78	81"	21/32"	7/16"
P34-079	B79	82"	21/32"	7/16"
P34-080	B80	83"	21/32"	7/16"
P34-081	B81	84"	21/32"	7/16"
P34-082	B82	85"	21/32"	7/16"
P34-083	B83	86"	21/32"	7/16"
P34-084	B84	87"	21/32"	7/16"
P34-085	B85	88"	21/32"	7/16"
P34-086	B86	89"	21/32"	7/16"
P34-087	B87	90"	21/32"	7/16"
P34-088	B88	91"	21/32"	7/16"
P34-089	B89	92"	21/32"	7/16"
P34-090	B90	93"	21/32"	7/16"
P34-091	B91	94"	21/32"	7/16"
P34-092	B92	95"	21/32"	7/16"
P34-093	B93	96"	21/32"	7/16"
P34-094	B94	97"	21/32"	7/16"
P34-095	B95	98"	21/32"	7/16"
P34-096	B96	99"	21/32"	7/16"
P34-097	B97	100"	21/32"	7/16"
P34-098	B98	101"	21/32"	7/16"
P34-099	B99	102"	21/32"	7/16"
P34-100	B100	103"	21/32"	7/16"
P34-101	B101	104"	21/32"	7/16"
P34-103	B103	106"	21/32"	7/16"
P34-105	B105	108"	21/32"	7/16"
P34-106	B106	109"	21/32"	7/16"
P34-108	B108	111"	21/32"	7/16"
P34-111	B111	114"	21/32"	7/16"
P34-112	B112	115"	21/32"	7/16"
P34-116	B116	119"	21/32"	7/16"
P34-120	B120	123"	21/32"	7/16"
P34-123	B123	126"	21/32"	7/16"
P34-124	B124	127"	21/32"	7/16"
P34-126	B126	129"	21/32"	7/16"
P34-128	B128	131"	21/32"	7/16"
P34-133	B133	136"	21/32"	7/16"
P34-136	B136	139"	21/32"	7/16"
P34-140	B140	143"	21/32"	7/16"
P34-144	B144	147"	21/32"	7/16"
P34-148	B148	151"	21/32"	7/16"
P34-150	B150	153"	21/32"	7/16"
P34-154	B154	157"	21/32"	7/16"
P34-158	B158	161"	21/32"	7/16"
P34-162	B162	165"	21/32"	7/16"
P34-173	B173	176"	21/32"	7/16"
P34-180	B180	183"	21/32"	7/16"
P34-190	B190	193"	21/32"	7/16"
P34-195	B195	198"	21/32"	7/16"
P34-205	B205	208"	21/32"	7/16"
P34-210	B210	213"	21/32"	7/16"
P34-225	B225	228"	21/32"	7/16"
P34-360	B360	361.5"	21/32"	7/16"

Belt Tech Tip

- Use the largest sheave possible for the allowable space. It will help reduce belt bending flex/ resistance and improve cooling
- Properly align sheaves and tension belts to manufacturers recommendation
- Use notch belts and lower operating temperature as well as improve efficiency approximately 3%
- Check sheaves for wear and replace if wear exceeds 1/32” in the groove
- Consider adequate ventilation and air flow in belt guard designs

Note: Notched v-belts should not be used in clutching applications where slip is desired

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Belt Rule

- Belt measuring tool
- Used to determine pitch and length of V-belts



Order #	Mfg. #	Each
P94-001	3839	**275.00**

Belt Tension Checker

- Verifies tension on all (3L, 4L, 5L, A, B, C, D, 3V, 5V, 8V) V-belts
- Unique, spring-loaded measuring graph leaves O-ring at current tension level
- Adjustable from 10" to 170" span and 35 lbs. of tension
- Instructions and handy pocket clip included



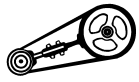
Order #	Mfg. #	Description	Each
H27-031	1302546	Belt Tension Checker	**199.00**

Belt Jack

Instant Belt Tightener, One Hand Operation

- Sets belt tension while you align belt pulleys
- Comes with two extensions





Order #	Mfg. #	Description	Each
H24-319	BJ10	Belt Jack BJ10	**89.00**

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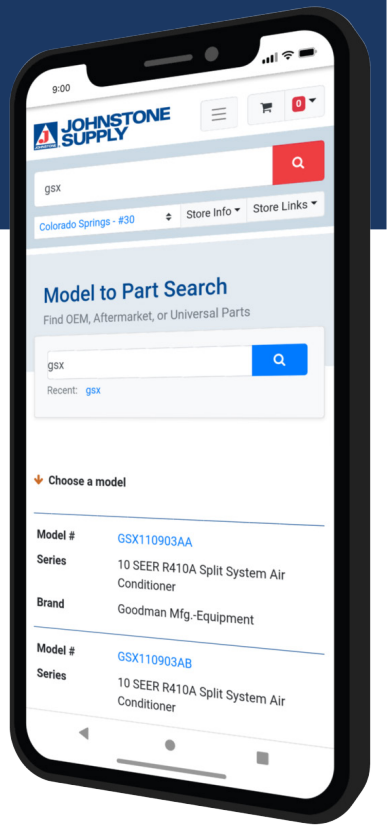

Browning



Browning Cogged Belts

Notched V-Belts

- Commerical and industrial belts provide greater horesepower than wrapped belts
- Run cooler than wrapped belts
- Notches allow belts to be run in smaller diameter sheaves
- Brand used by major HVAC original equipment manufacturers
- CODE 1 meets or exceeds ANSI belt matching standards
- Oil and heat resistant
- Static conducting
- Length is outside diameter



A - 1/2" X 5/16"



B - 21/32" X 7/16"



C - 7/8" X 17/32"

Order #	Industry Part #	Length	Top Width	Thickness
P33-320	AX20	22.2"	1/2"	5/16"
P33-321	AX21	23.2"	1/2"	5/16"
P33-322	AX22	24.2"	1/2"	5/16"
P33-323	AX23	25.2"	1/2"	5/16"
P33-324	AX24	26.2"	1/2"	5/16"
P33-325	AX25	27.2"	1/2"	5/16"
P33-326	AX26	28.2"	1/2"	5/16"
P33-327	AX27	29.2"	1/2"	5/16"
P33-328	AX28	30.2"	1/2"	5/16"
P33-329	AX29	31.2"	1/2"	5/16"
P33-330	AX30	32.2"	1/2"	5/16"
P33-331	AX31	33.2"	1/2"	5/16"
P33-332	AX32	34.2"	1/2"	5/16"
P33-333	AX33	35.2"	1/2"	5/16"
P33-334	AX34	36.2"	1/2"	5/16"
P33-335	AX35	37.2"	1/2"	5/16"
P33-336	AX36	38.2"	1/2"	5/16"
P33-337	AX37	39.2"	1/2"	5/16"
P33-338	AX38	40.2"	1/2"	5/16"
P33-339	AX39	41.2"	1/2"	5/16"
P33-340	AX40	42.2"	1/2"	5/16"
P33-341	AX41	43.2"	1/2"	5/16"
P33-342	AX42	44.2"	1/2"	5/16"
P33-343	AX43	45.2"	1/2"	5/16"
P33-344	AX44	46.2"	1/2"	5/16"
P33-345	AX45	47.2"	1/2"	5/16"
P33-346	AX46	48.2"	1/2"	5/16"
P33-347	AX47	49.2"	1/2"	5/16"
P33-348	AX48	50.2"	1/2"	5/16"
P33-349	AX49	51.2"	1/2"	5/16"
P33-350	AX50	52.2"	1/2"	5/16"
P33-351	AX51	53.2"	1/2"	5/16"
P33-352	AX52	54.2"	1/2"	5/16"
P33-353	AX53	55.2"	1/2"	5/16"
P33-354	AX54	56.2"	1/2"	5/16"
P33-355	AX55	57.2"	1/2"	5/16"
P33-356	AX56	58.2"	1/2"	5/16"
P33-357	AX57	59.2"	1/2"	5/16"
P33-358	AX58	60.2"	1/2"	5/16"
P33-359	AX59	61.2"	1/2"	5/16"
P33-360	AX60	62.2"	1/2"	5/16"
P33-361	AX61	63.2"	1/2"	5/16"
P33-362	AX62	64.2"	1/2"	5/16"
P33-363	AX63	65.2"	1/2"	5/16"
P33-364	AX64	66.2"	1/2"	5/16"
P33-365	AX65	67.2"	1/2"	5/16"
P33-366	AX66	68.2"	1/2"	5/16"
P33-367	AX67	69.2"	1/2"	5/16"
P33-368	AX68	70.2"	1/2"	5/16"
P33-369	AX69	71.2"	1/2"	5/16"
P33-370	AX70	72.2"	1/2"	5/16"
P33-371	AX71	73.2"	1/2"	5/16"
P33-372	AX72	74.2"	1/2"	5/16"
P33-373	AX73	75.2"	1/2"	5/16"
P33-374	AX74	76.2"	1/2"	5/16"
P33-375	AX75	77.2"	1/2"	5/16"
P33-376	AX76	78.2"	1/2"	5/16"
P33-377	AX77	79.2"	1/2"	5/16"
P33-378	AX78	80.2"	1/2"	5/16"
P33-379	AX79	81.2"	1/2"	5/16"
P33-380	AX80	82.2"	1/2"	5/16"
P33-381	AX81	83.2"	1/2"	5/16"
P33-382	AX82	84.2"	1/2"	5/16"
P33-383	AX83	85.2"	1/2"	5/16"
P33-384	AX84	86.2"	1/2"	5/16"
P33-385	AX85	87.2"	1/2"	5/16"
P33-386	AX86	88.2"	1/2"	5/16"
P33-387	AX87	89.2"	1/2"	5/16"
P33-388	AX88	90.2"	1/2"	5/16"
P33-389	AX89	91.2"	1/2"	5/16"
P33-390	AX90	92.2"	1/2"	5/16"
P33-391	AX91	93.2"	1/2"	5/16"
P33-392	AX92	94.2"	1/2"	5/16"
P33-393	AX93	95.2"	1/2"	5/16"
P33-394	AX94	96.2"	1/2"	5/16"
P33-395	AX95	97.2"	1/2"	5/16"
P33-396	AX96	98.2"	1/2"	5/16"
P33-397	AX97	99.2"	1/2"	5/16"
P33-398	AX98	100.2"	1/2"	5/16"
P33-400	AX100	101.2"	1/2"	5/16"
P33-403	AX103	105.2"	1/2"	5/16"
P33-405	AX105	107.2"	1/2"	5/16"
P33-410	AX110	112.2"	1/2"	5/16"
P33-412	AX112	114.2"	1/2"	5/16"
P33-420	AX120	122.2"	1/2"	5/16"
P33-428	AX128	130.2"	1/2"	5/16"
P33-444	AX144	146.2"	1/2"	5/16"
P34-528	BX28	31"	21/32"	7/16"
P34-529	BX29	32"	21/32"	7/16"
P34-530	BX30	33"	21/32"	7/16"
P34-531	BX31	34"	21/32"	7/16"
P34-532	BX32	35"	21/32"	7/16"
P34-533	BX33	36"	21/32"	7/16"
P34-534	BX34	37"	21/32"	7/16"
P34-535	BX35	38"	21/32"	7/16"
P34-536	BX36	39"	21/32"	7/16"
P34-537	BX37	40"	21/32"	7/16"
P34-538	BX38	41"	21/32"	7/16"
P34-539	BX39	42"	21/32"	7/16"
P34-540	BX40	43"	21/32"	7/16"
P34-541	BX41	44"	21/32"	7/16"
P34-542	BX42	45"	21/32"	7/16"
P34-543	BX43	46"	21/32"	7/16"
P34-544	BX44	47"	21/32"	7/16"
P34-545	BX45	48"	21/32"	7/16"
P34-546	BX46	49"	21/32"	7/16"
P34-547	BX47	50"	21/32"	7/16"
P34-548	BX48	51"	21/32"	7/16"
P34-549	BX49	52"	21/32"	7/16"
P34-550	BX50	53"	21/32"	7/16"
P34-551	BX51	54"	21/32"	7/16"
P34-552	BX52	55"	21/32"	7/16"
P34-553	BX53	56"	21/32"	7/16"
P34-554	BX54	57"	21/32"	7/16"
P34-555	BX55	58"	21/32"	7/16"
P34-556	BX56	59"	21/32"	7/16"
P34-557	BX57	60"	21/32"	7/16"
P34-558	BX58	61"	21/32"	7/16"
P34-559	BX59	62"	21/32"	7/16"
P34-560	BX60	63"	21/32"	7/16"
P34-561	BX61	64"	21/32"	7/16"
P34-562	BX62	65"	21/32"	7/16"
P34-563	BX63	66"	21/32"	7/16"
P34-564	BX64	67"	21/32"	7/16"
P34-565	BX65	68"	21/32"	7/16"
P34-566	BX66	69"	21/32"	7/16"
P34-567	BX67	70"	21/32"	7/16"
P34-568	BX68	71"	21/32"	7/16"
P34-569	BX69	72"	21/32"	7/16"
P34-570	BX70	73"	21/32"	7/16"
P34-571	BX71	74"	21/32"	7/16"
P34-572	BX72	75"	21/32"	7/16"
P34-573	BX73	76"	21/32"	7/16"
P34-574	BX74	77"	21/32"	7/16"
P34-575	BX75	78"	21/32"	7/16"
P34-576	BX76	79"	21/32"	7/16"
P34-577	BX77	80"	21/32"	7/16"
P34-578	BX78	81"	21/32"	7/16"
P34-579	BX79	82"	21/32"	7/16"
P34-580	BX80	83"	21/32"	7/16"
P34-581	BX81	84"	21/32"	7/16"
P34-582	BX82	85"	21/32"	7/16"
P34-583	BX83	86"	21/32"	7/16"
P34-584	BX84	87"	21/32"	7/16"
P34-585	BX85	88"	21/32"	7/16"
P34-586	BX86	89"	21/32"	7/16"
P34-587	BX87	90"	21/32"	7/16"
P34-588	BX88	91"	21/32"	7/16"
P34-589	BX89	92"	21/32"	7/16"
P34-590	BX90	93"	21/32"	7/16"
P34-591	BX91	94"	21/32"	7/16"
P34-592	BX92	95"	21/32"	7/16"

continued on next page

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Order #	Industry Part #	Length	Top Width	Thickness
P34-593	BX93	96"	21/32"	7/16"
P34-594	BX94	97"	21/32"	7/16"
P34-595	BX95	98"	21/32"	7/16"
P34-596	BX96	99"	21/32"	7/16"
P34-597	BX97	100"	21/32"	7/16"
P34-598	BX98	101"	21/32"	7/16"
P34-599	BX99	102"	21/32"	7/16"
P34-600	BX100	103"	21/32"	7/16"
P34-603	BX103	106"	21/32"	7/16"
P34-605	BX105	108"	21/32"	7/16"
P34-606	BX106	109"	21/32"	7/16"
P34-608	BX108	111"	21/32"	7/16"
P34-612	BX112	115"	21/32"	7/16"
P34-613	BX113	116"	21/32"	7/16"
P34-615	BX115	118"	21/32"	7/16"
P34-616	BX116	119"	21/32"	7/16"
P34-620	BX120	123"	21/32"	7/16"
P34-623	BX123	126"	21/32"	7/16"
P34-624	BX124	127"	21/32"	7/16"
P34-626	BX126	129"	21/32"	7/16"

Order #	Industry Part #	Length	Top Width	Thickness
P34-628	BX128	131"	21/32"	7/16"
P34-633	BX133	136"	21/32"	7/16"
P34-636	BX136	134"	21/32"	7/16"
P34-640	BX140	143"	21/32"	7/16"
P34-644	BX144	147"	21/32"	7/16"
P34-648	BX148	151"	21/32"	7/16"
P34-650	BX150	153"	21/32"	7/16"
P34-654	BX154	157"	21/32"	7/16"
P34-658	BX158	161"	21/32"	7/16"
P34-662	BX162	165"	21/32"	7/16"
P34-673	BX173	176"	21/32"	7/16"
P34-680	BX180	183"	21/32"	7/16"
P34-691	BX191	194"	21/32"	7/16"
P34-695	BX195	198"	21/32"	7/16"
P34-710	BX210	213"	21/32"	7/16"
P34-755	BX255	256.5"	21/32"	7/16"
P29-551	CX51	55.2"	7/8"	17/32"
P29-555	CX55	59.2"	7/8"	17/32"
P29-560	CX60	64.2"	7/8"	17/32"
P29-575	CX75	79.2"	7/8"	17/32"

Order #	Industry Part #	Length	Top Width	Thickness
P29-581	CX81	85.2"	7/8"	17/32"
P29-590	CX90	94.2"	7/8"	17/32"
P29-596	CX96	100.2"	7/8"	17/32"
P29-600	CX100	104.2"	7/8"	17/32"
P29-605	CX105	109.2"	7/8"	17/32"
P29-609	CX109	113.2"	7/8"	17/32"
P29-612	CX112	116.2"	7/8"	17/32"
P29-615	CX115	119.2"	7/8"	17/32"
P29-620	CX120	124.2"	7/8"	17/32"
P29-628	CX128	132.2"	7/8"	17/32"
P29-636	CX136	140.2"	7/8"	17/32"
P29-644	CX144	148.2"	7/8"	17/32"
P29-648	CX148	152.2"	7/8"	17/32"
P29-650	CX150	154.2"	7/8"	17/32"
P29-680	CX180	184.2"	7/8"	17/32"
P29-695	CX195	199.2"	7/8"	17/32"
P29-710	CX210	214.2"	7/8"	17/32"

Browning "358" Cogged Belts

3VX and 5VX Section

- Exclusive ground-form design reduces vibration and increases belt and bearing life
- Fabric on top and bottom to increase rigidity and stability, wider notch spacing
- Transmits more horsepower in less space
- (Code 1 "off-the shelf") — meets or exceeds ANSI belt matching standards
- Oil and heat resistant
- Static conducting
- 3VX cross section is 3/8" x 5/16"
- 5VX belt cross section is 5/8" x 17/32
- Length is outside diameter





3V - 3/8" X 5/16"



5V - 5/8 X 17/32"

Order #	Industry Part #	Length	Top Width	Thickness
P35-250	3VX250	25"	3/8"	5/16"
P35-265	3VX265	26.5"	3/8"	5/16"
P35-280	3VX280	28"	3/8"	5/16"
P35-300	3VX300	30"	3/8"	5/16"
P35-315	3VX315	31.5"	3/8"	5/16"
P35-335	3VX335	33.5"	3/8"	5/16"
P35-355	3VX355	35.5"	3/8"	5/16"
P35-375	3VX375	37.5"	3/8"	5/16"
P35-400	3VX400	40"	3/8"	5/16"
P35-425	3VX425	42"	3/8"	5/16"
P35-450	3VX450	45"	3/8"	5/16"
P35-475	3VX475	47.5"	3/8"	5/16"
P35-500	3VX500	50"	3/8"	5/16"
P35-530	3VX530	53"	3/8"	5/16"
P35-560	3VX560	56"	3/8"	5/16"
P35-600	3VX600	60"	3/8"	5/16"
P35-630	3VX630	63"	3/8"	5/16"
P35-670	3VX670	67"	3/8"	5/16"
P35-710	3VX710	71"	3/8"	5/16"
P35-750	3VX750	75"	3/8"	5/16"
P35-800	3VX800	80"	3/8"	5/16"
P35-850	3VX850	85"	3/8"	5/16"
P35-900	3VX900	90"	3/8"	5/16"
P35-950	3VX950	95"	3/8"	5/16"
P35-100	3VX1000	100"	3/8"	5/16"
P35-106	3VX1060	106"	3/8"	5/16"
P35-112	3VX1120	112"	3/8"	5/16"
P35-118	3VX1180	118"	3/8"	5/16"

Order #	Industry Part #	Length	Top Width	Thickness
P35-125	3VX1250	125"	3/8"	5/16"
P36-450	5VX450	45"	5/8"	17/32"
P36-470	5VX470	47"	5/8"	17/32"
P36-490	5VX490	49"	5/8"	17/32"
P36-500	5VX500	50"	5/8"	17/32"
P36-510	5VX510	51"	5/8"	17/32"
P36-530	5VX530	53"	5/8"	17/32"
P36-540	5VX540	54"	5/8"	17/32"
P36-550	5VX550	55"	5/8"	17/32"
P36-560	5VX560	56"	5/8"	17/32"
P36-570	5VX570	57"	5/8"	17/32"
P36-580	5VX580	58"	5/8"	17/32"
P36-590	5VX590	59"	5/8"	17/32"
P36-600	5VX600	60"	5/8"	17/32"
P36-610	5VX610	61"	5/8"	17/32"
P36-630	5VX630	63"	5/8"	17/32"
P36-650	5VX650	65"	5/8"	17/32"
P36-660	5VX660	66"	5/8"	17/32"
P36-670	5VX670	67"	5/8"	17/32"
P36-680	5VX680	68"	5/8"	17/32"
P36-690	5VX690	69"	5/8"	17/32"
P36-710	5VX710	71"	5/8"	17/32"
P36-730	5VX730	73"	5/8"	17/32"
P36-740	5VX740	74"	5/8"	17/32"
P36-750	5VX750	75"	5/8"	17/32"
P36-780	5VX780	78"	5/8"	17/32"
P36-800	5VX800	80"	5/8"	17/32"
P36-810	5VX810	81"	5/8"	17/32"

Order #	Industry Part #	Length	Top Width	Thickness
P36-830	5VX830	83"	5/8"	17/32"
P36-840	5VX840	84"	5/8"	17/32"
P36-850	5VX850	85"	5/8"	17/32"
P36-860	5VX860	86"	5/8"	17/32"
P36-880	5VX880	88"	5/8"	17/32"
P36-900	5VX900	90"	5/8"	17/32"
P36-930	5VX930	93"	5/8"	17/32"
P36-950	5VX950	95"	5/8"	17/32"
P36-960	5VX960	96"	5/8"	17/32"
P36-100	5VX1000	100"	5/8"	17/32"
P36-103	5VX1030	103"	5/8"	17/32"
P36-106	5VX1060	106"	5/8"	17/32"
P36-108	5VX1080	108"	5/8"	17/32"
P36-112	5VX1120	112"	5/8"	17/32"
P36-115	5VX1150	115"	5/8"	17/32"
P36-118	5VX1180	118"	5/8"	17/32"
P36-123	5VX1230	123"	5/8"	17/32"
P36-125	5VX1250	125"	5/8"	17/32"
P36-132	5VX1320	132"	5/8"	17/32"
P36-140	5VX1400	140"	5/8"	17/32"
P36-150	5VX1500	150"	5/8"	17/32"
P36-160	5VX1600	160"	5/8"	17/32"
P36-170	5VX1700	170"	5/8"	17/32"
P36-180	5VX1800	180"	5/8"	17/32"
P36-190	5VX1900	190"	5/8"	17/32"
P36-200	5VX2000	200"	5/8"	17/32"

Tension that belt!

- Ideal tension is the lowest tension at which the belt will not slip under peak load conditions
- Check tension frequently during the first 24 hours of operation. Check after jog start or 1-3 minutes of operation, at 8 hours, 24 hours, 100 hours and periodically thereafter are recommended
- Over tensioning shortens belt and bearing life
- Keep belts free of foreign material which may cause slip Make v-drive inspection on a periodic basis. Under-tensioned belt drives often produce audible squeal noise. Tension when slipping. Never apply belt dressing as this will damage the belt and cause early failure

Browning



"AKH" Cast Iron Sheaves

For "4L" or "A" and "3L" Belts

- Highest torque carrying capacity
- Double split barrel assures true concentricity
- Requires “H” bushing (not included)

Order #	Mfg. #	O.D.	Hub Bore	Keyway	Wt. Lbs.	Each
L44-071	AK30H	3.05"	3/8-1-1/2"	1/4" X 1/8"	12.9	**135.00**
L44-073	AK32HFHP	3.25"	3/8-1-1/2"	3/8" X 3/16"	11.3	**139.00**
L44-075	AK34H	3.45"	3/8-1-1/2"	1/4" X 1/8"	12.3	**149.00**
L44-078	AK39H	3.75"	3/8-1-1/2"	3/8" X 3/16"	13.4	**139.00**
L44-082	AK41H	3.95"	3/8-1-1/2"	1/4" X 1/8"	7.5	**135.00**
L44-085	AK44H	4.25"	3/8-1-1/2"	3/16" X 3/32"	0.5	**135.00**
L44-089	AK46H	4.45"	3/8-1-1/2"	No Keyway	0.9	**245.00**
L44-092	AK49H	4.75"	3/8-1-1/2"	3/16" X 3/32"	1.6	**155.00**
L44-094	AK51HFHP	4.95"	3/8-1-1/2"	3/16 X 3/32"	1.6	**145.00**
L44-096	AK54H	5.25"	3/8-1-1/2"	3/16" X 3/32"	1.5	**145.00**
L44-099	AK56H	5.45"	3/8-1-1/2"	1/4" X 1/8"	1.5	**175.00**
L44-100	AK59H	5.75"	3/8-1-1/2"	3/16" X 3/32"	1.7	**159.00**
L44-103	AK61H	5.95"	3/8-1-1/2"	3/16" X 3/32"	1.7	**155.00**

Order #	Mfg. #	O.D.	Hub Bore	Keyway	Wt. Lbs.	Each
L44-104	AK64H	6.25"	3/8-1-1/2"	3/16" X 3/32"	1.6	**155.00**
L44-107	AK66H	6.45"	3/8-1-1/2"	3/16" X 3/32"	1.7	**189.00**
L44-108	AK69H	6.75"	3/8-1-1/2"	3/16" X 3/32"	2.2	**209.00**
L44-109	AK71H	6.95"	3/8-1-1/2"	3/16" X 3/32"	2.1	**185.00**
L44-110	AK74H	7.75"	3/8-1-1/2"	1/4" X 1/8"	2.1	**195.00**
L44-112	AK79H	7.75"	3/8-1-1/2"	3/16" X 3/32"	2.1	**215.00**
L44-113	AK84H	8.25"	3/8-1-1/2"	1/4" X 1/8"	2.3	**225.00**
L44-115	AK94H	9.25"	3/8-1-1/2"	3/8" X 3/16"	3.4	**265.00**
L44-068	AK104H	10.25"	3/8-1-1/2"	3/16" X 3/32"	5.4	**335.00**
L80-162	AK124H	12.25"	3/8-1-1/2"	1/4" X 1/8"	6.6	**395.00**
L80-165	AK144H	14.25"	3/8-1-1/2"	5/16" X 5/32"	10.3	**585.00**
L80-167	AK184H	18.25"	3/8-1-1/2"	1/4" X 1/8"	8.7	**659.00**

WE'RE THE EXPERTS YOU COUNT ON.

- Products you need, including hard to find speciality parts
- Delivery options to get back on the road
- Technology to make your job easier
- Training to keep you competitive
- Service and support

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"BKH" H Sheaves

For "4L" or "A" and "5L" or "B" Belts

- Requires "H" bushing (not included)



Order #	Mfg. #	O.D.	Pitch Diam. A Belt	Pitch Diam. B Belt	Hub Bore	Wt. Lbs.	Each
Single Groove							
L37-678	BK30H	3.15"	2.4"	2.8"	3/8-1-1/2"	1.4	**165.00**
L37-679	BK32H	3.35"	2.6"	3.0"	3/8-1-1/2"	1.5	**265.00**
L37-680	BK34H	3.55"	2.8"	3.2"	3/8-1-1/2"	1.7	**175.00**
L37-681	BK36H	3.75"	3.0"	3.4"	3/8-1-1/2"	1.4	**175.00**
L37-682	BK40H	3.95"	3.2	3.6"	3/8-1-1/2"	1.6	**265.00**
L37-683	BK45H	4.25"	3.5"	3.9"	3/8-1-1/2"	2	**355.00**
L37-684	BK47H	4.45"	3.7"	4.1"	3/8-1-1/2"	2.3	**185.00**
L37-685	BK50H	4.75"	4.0"	4.4"	3/8-1-1/2"	2.4	**195.00**
L37-686	BK52H	4.95"	4.2"	4.6"	3/8-1-1/2"	2.2	**165.00**
L44-137	BK55H	5.25"	4.5"	4.9"	3/8-1-1/2"	2.8	**169.00**
L44-138	BK60H	5.75"	5"	5.4"	3/8-1-1/2"	3.5	**205.00**
L44-139	BK62H	5.95"	5.2"	5.6"	3/8-1-1/2"	2.7	**179.00**
L44-140	BK65H	6.25"	5.5"	5.9"	3/8-1-1/2"	3	**195.00**
L44-141	BK67H	6.45"	5.7"	6.1"	3/8-1-1/2"	3.2	**199.00**
L44-142	BK70H	6.75"	6"	6.4"	3/8-1-1/2"	3.2	**205.00**
L44-143	BK72H	6.95"	6.2"	6.6"	3/8-1-1/2"	3.3	**215.00**
L44-144	BK75H	7.25"	6.5"	6.9"	3/8-1-1/2"	4	**229.00**
L44-145	BK77H	7.45"	6.7"	7.1"	3/8-1-1/2"	3.9	**225.00**
L44-146	BK80H	7.75"	7"	7.4"	3/8-1-1/2"	3.7	**229.00**
L38-336	BK85H	8.25"	7.5"	7.9"	3/8-1-1/2"	4.7	**255.00**
L44-148	BK90H	8.75"	8"	8.4"	3/8-1-1/2"	4.6	**269.00**
L38-337	BK95H	9.25"	8.5"	8.9"	3/8-1-1/2"	5	**265.00**
L44-134	BK100H	9.75"	9"	9.4"	3/8-1-1/2"	5.1	**305.00**
L38-339	BK105H	10.25"	9.5"	9.9"	3/8-1-1/2"	5.4	**315.00**
L38-340	BK110H	10.75"	10.0"	10.4"	3/8-1-1/2"	6	**335.00**
L44-135	BK115H	11.25"	10.5"	10.9"	3/8-1-1/2"	6	**345.00**
L38-341	BK120H	11.75"	11.0"	11.4"	3/8-1-1/2"	6.7	**369.00**

Order #	Mfg. #	O.D.	Pitch Diam. A Belt	Pitch Diam. B Belt	Hub Bore	Wt. Lbs.	Each
L46-492	BK130H	12.75"	—	—	3/8-1-1/2"	6.9	**405.00**
L80-168	BK140H	13.75"	13"	13.4"	3/8-1-1/2"	8.9	**455.00**
L80-169	BK160H	15.75"	15"	15.4"	3/8-1-1/2"	10.3	**535.00**
Two Groove							
L44-049	2BK32H	3.35"	4.4"	4.8"	3/8-1-1/2"	3.7	**255.00**
L44-050	2BK34H	3.55"	5.2"	5.3"	3/8-1-1/2"	5.1	**275.00**
L46-493	2BK36H	3.75"	—	—	3/8-1-1/2"	2.4	**299.00**
L46-494	2BK40H	3.95"	—	—	3/8-1-1/2"	2.4	**265.00**
L44-052	2BK45H	4.25"	5.6"	6.0"	3/8-1-1/2"	7.9	**269.00**
L44-053	2BK47H	4.45"	6.0"	6.4"	3/8-1-1/2"	9.1	**295.00**
L44-054	2BK50H	4.75"	6.4"	6.8"	3/8-1-1/2"	8.7	**299.00**
L44-055	2BK52H	4.95"	7.0"	7.4"	3/8-1-1/2"	11.1	**309.00**
L44-056	2BK55H	5.25"	8.2"	8.6"	3/8-1-1/2"	12.1	**335.00**
L46-495	2BK57H	5.45"	—	—	3/8-1-1/2"	4.3	**339.00**
L44-057	2BK60H	5.75"	9.0"	9.4"	3/8-1-1/2"	9.2	**345.00**
L46-496	2BK62H	5.95"	—	—	3/8-1-1/2"	4.5	**355.00**
L46-497	2BK65H	6.25"	—	—	3/8-1-1/2"	4.5	**379.00**
L46-498	2BK67H	6.45"	—	—	3/8-1-1/2"	5	**385.00**
L44-058	2BK70H	6.75"	11"	11.4"	3/8-1-1/2"	11	**395.00**
L38-335	2BK80H	7.75"	7.0"	7.4"	3/8-1-1/2"	14.8	**459.00**
L44-060	2BK90H	8.75"	15"	15.4"	3/8-1-1/2"	17.5	**469.00**
L38-338	2BK100H	9.75"	9.0"	9.4"	3/8-1-1/2"	8.3	**545.00**
L44-048	2BK110H	10.75"	4.5"	—	3/8-1-1/2"	3.2	**589.00**
L80-160	2BK120HFHP	11.28"	10.6"	11.0"	3/8-1-1/2"	15.9	**669.00**
L46-500	2BK130H	12.75"	—	—	3/8-1-1/2"	13.1	**775.00**
L46-501	2BK140H	13.75"	—	—	3/8-1-1/2"	14.8	**815.00**
L80-161	2BK160H	15.75"	3.8"	4.2"	3/8-1-1/2"	17.5	**855.00**

Select Proper "H" Bushing From The Following:



Order #	Mfg. #	Type	Hub Bore	Each
L37-687	H-3/8	H	3/8"	**105.00**
L37-688	H-1/2CLEARPK	H	1/2"	**145.00**
W69-164	HX5/8CLEARPK	H	5/8"	**105.00**
W69-165	HX3/4	H	3/4"	**59.00**
W69-168	HX7/8CLEARPK	H	7/8"	**75.00**

Order #	Mfg. #	Type	Hub Bore	Each
W69-166	HX1CLEARPK	H	1"	**75.00**
W69-169	HX1-1/8CLEARPK	H	1-1/8"	**75.00**
W69-167	HX1-3/16	H	1-3/16"	**59.00**
W69-170	HX1-3/8	H	1-3/8"	**75.00**

Browning

"AK" Cast Iron Sheaves



- Single groove sheaves for 4L or A belts

Order #	Mfg. #	O.D.	Hub Bore	Keyway	Wt. Lbs.	Each
L44-070	AK28X5/8	2.26"	5/8"	3/16" X 3/32"	10.5	**95.00**
L46-467	AK25X1/2	2.5"	1/2"	No Keyway	0.5	**79.00**
L44-069	AK25X5/8	2.5"	5/8"	5/16 X 5/32"	8.7	**79.00**
L46-468	AK26X3/4	2.6"	3/4"	3/16" X 3/32"	0.5	**119.00**
L44-072	AK30X5/8	3.05"	5/8"	5/16" X 5/32"	12.6	**75.00**
L44-074	AK32X5/8	3.25"	5/8"	1/4 X 1/8"	12.4	**75.00**
L46-469	AK34X1/2	3.45"	1/2'	No Keyway	0.9	**139.00**
L44-076	AK34X5/8	3.45"	5/8"	5/16 X 5/32"	14.6	**79.00**
L44-077	AK34X7/8	3.45"	7/8"	3/8" X 3/16"	13.0	**95.00**
L44-079	AK39X3/4FHP	3.75"	3/4"	5/16 X 5/32"	16.5	**119.00**
L44-080	AK39X5/8	3.75"	5/8"	3/16" X 3/32"	5.6	**119.00**
L44-081	AK39X7/8	3.75"	7/8"	3/16" X 3/32"	6.5	**119.00**
L44-083	AK41X1	3.95"	1"	1/4" X 1/8"	7.5	**135.00**
L46-470	AK41X5/8	3.95"	5/8"	1/4 X 1/8"	1.5	**115.00**
L44-084	AK41X7/8	3.95"	7/8"	no keyway	0.5	**139.00**
L44-086	AK44X1	4.25"	1"	3/16" X 3/32"	0.5	**139.00**
L44-087	AK44X3/4	4.25"	3/4"	3/16 X 3/32"	0.7	**139.00**
L44-088	AK44X7/8	4.25"	7/8"	3/16 X 3/32"	0.9	**145.00**
L44-090	AK46X3/4	4.45"	3/4"	3/16 X 3/32"	1.3	**135.00**
L44-091	AK46X7/8	4.45"	7/8"	3/16 X 3/32"	0.9	**175.00**
L44-093	AK49X7/8	4.75"	7/8"	3/16" X 3/32"	1.4	**215.00**
L44-095	AK51X7/8	4.95"	7/8"	3/16 X 3/32"	1.6	**189.00**
L46-472	AK54X1	5.25"	1"	1/4 X 1/8"	1.8	**159.00**
L44-097	AK54X3/4	5.25"	3/4"	3/16 X 3/32"	1.5	**145.00**
L46-471	AK54X5/8	5.25"	5/8"	3/16" X 3/32"	1.8	**135.00**

Order #	Mfg. #	O.D.	Hub Bore	Keyway	Wt. Lbs.	Each
L44-098	AK54X7/8	5.25"	7/8"	3/16" X 3/32"	1.5	**279.00**
L44-101	AK59X1	5.75"	1"	3/16" X 3/32"	1.5	**149.00**
L46-473	AK59X5/8	5.75"	5/8"	3/16" X 3/32"	2.0	**185.00**
L44-102	AK59X7/8	5.75"	7/8"	3/16" X 3/32"	1.7	**215.00**
L46-474	AK61X7/8	5.95"	7/8"	3/16" X 3/32"	2.1	**319.00**
L44-105	AK64X1	6.25"	1"	3/16 X 3/32"	1.8	**155.00**
L44-106	AK64X7/8	6.25"	7/8"	3/16 X 3/32"	2.0	**325.00**
L46-476	AK74X1	7.25"	1"	1/4 X 1/8"	3.4	**185.00**
L44-111	AK74X1-7/16	7.25"	1 7/16"	3/8" X 3/16"	2.1	**445.00**
L46-475	AK74X3/4	7.25"	3/4"	3/16" X 3/32"	3.4	**219.00**
L46-479	AK84X1	8.25"	1"	1/4 X 1/8"	3.8	**225.00**
L46-478	AK84X3/4	8.25"	3/4"	3/16 X 3/32"	3.8	**255.00**
L46-477	AK84X5/8	8.25"	5/8"	3/16 X 3/32"	3.8	**725.00**
L46-481	AK94X1	9.25"	1"	1/4 X 1/8"	4.5	**245.00**
L46-480	AK94X3/4	9.25"	3/4"	3/16 X 3/32"	4.5	**285.00**
L46-483	AK104X1	10.25"	1"	1/4" X 1/8"	5.1	**265.00**
L46-482	AK104X3/4	10.25"	3/4"	3/16" X 3/32"	5.1	**385.00**
L46-485	AK114X1	11.25"	1"	1/4" X 1/8"	5.6	**415.00**
L46-484	AK114X3/4	11.25"	3/4"	3/16" X 3/32"	5.6	**949.00**
L46-487	AK124X1	12.25"	1"	1/4" X 1/8"	6.5	**519.00**
L80-163	AK124X1-7/16	12.25"	1 1/4"	3/16 X 3/32"	7	**1099.00**
L46-486	AK124X3/4	12.25"	3/4"	3/16" X 3/32"	6.5	**1099.00**
L80-164	AK134X1	13.25"	1"	1/4" X 1/8"	10.7	**1299.00**
L80-166	AK144X1-7/16	14.25"	1 7/16"	3/8" X 3/16"	10.2	**1445.00**

Browning

"BK" Combination Groove Cast Iron Sheaves

For "4L" or "A" and "5L" or "B" Belts



- Fixed bore

Order #	Mfg. #	O.D.	Pitch Diam. A Belt	Pitch Diam. B Belt	Hub Bore	Each
L37-663	BK25-1/2	2.50"	1.9"	2.3"	1/2" Fixed	**139.00**
L37-666	BK26-1/2	2.60"	2.0"	2.4"	1/2" Fixed	**209.00**
L37-670	BK27-1/2	2.70"	2.1"	2.5"	1/2" Fixed	**109.00**
L37-674	BK28-1/2	2.95"	2.2"	2.6"	1/2" Fixed	**209.00**
L37-664	BK25-5/8	2.50"	1.9"	2.3"	5/8" Fixed	**99.00**
L37-667	BK26-5/8	2.60"	2.0"	2.4"	5/8" Fixed	**185.00**
L37-671	BK27-5/8	2.70"	2.1"	2.5"	5/8" Fixed	**189.00**
L37-675	BK28-5/8	2.95"	2.2"	2.6"	5/8" Fixed	**109.00**

Order #	Mfg. #	O.D.	Pitch Diam. A Belt	Pitch Diam. B Belt	Hub Bore	Each
L37-665	BK25-3/4	2.50"	1.9"	2.3"	3/4" Fixed	**175.00**
L37-668	BK26-3/4	2.60"	2.0"	2.4"	3/4" Fixed	**245.00**
L37-672	BK27-3/4	2.70"	2.1"	2.5"	3/4" Fixed	**259.00**
L37-676	BK28-3/4	2.95"	2.2"	2.6"	3/4" Fixed	**189.00**
L37-669	BK26-7/8	2.60"	2.0"	2.4"	7/8" Fixed	**249.00**
L37-673	BK27-7/8	2.70"	2.1"	2.5"	7/8" Fixed	**189.00**
L37-677	BK28-7/8	2.95"	2.2"	2.6"	7/8" Fixed	**189.00**

Browning

P-1 Bushings



Order #	Mfg. #	Hub Bore	Wt. Lbs.	Each
L46-571	P1-7/8	7/8"	1.3	**105.00**
L46-572	P1-1-3/8X3/8	1-3/8"	1.3	**145.00**
L46-573	P1-1-3/8X5/16	1-3/8"	1.3	**105.00**
L46-574	P1-1-1/8	1-1/8"	1.3	**105.00**

Order #	Mfg. #	Hub Bore	Wt. Lbs.	Each
L46-575	P1-1-7/16	1-7/16"	1.3	**105.00**
L46-576	P1-3/4	3/4"	1.3	**125.00**
L46-577	P1-1	1"	1.3	**105.00**
L46-578	P1-1-3/16	1-3/16"	1.3	**105.00**

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Q-1 Bushings

Browning



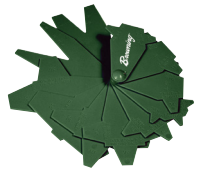
Order #	Mfg. #	Hub Bore	Wt. Lbs.	Each
L46-579	Q1-1	1"	3.5	**245.00**
L46-580	Q1-1-1/8	1-1/8"	3.5	**245.00**
L46-581	Q1-1-3/8X3/8	1-3/8"	3.5	**245.00**

Order #	Mfg. #	Hub Bore	Wt. Lbs.	Each
L46-582	Q1-1-3/8X5/16	1-3/8"	3.5	**205.00**
L46-583	Q1-1X7/16	1-7/16"	3.5	**205.00**
L46-584	Q1-1X3/16	1-3/16"	3.5	**245.00**

Groove Gauge

Browning

- Multi-tagged plastic tool designed to help determine groove wear of sheaves



Order #	Mfg. #	Each
H28-538	2695179	**17.99**

Variable Pitch Die Cast Sheaves

For 3L, 4L, 5L, "A" and "B" Belts

Congress DRIVES

- These die cast variable speed pulleys permit speed variations of approximately 30%, ideal for installations where speeds must be changed or where it is impossible to predetermine the correct speed
- Made of rugged zinc die cast; will not rust or corrode
- **L36-795** has no keyway



Order #	O.D.	Hub Bore	Wt. Lbs.	Each	10 Lot
L36-795	3.25"	1/2"	0.62	**49.99**	**44.99**
L36-796	3.25"	5/8"	0.86	**49.99**	**44.99**

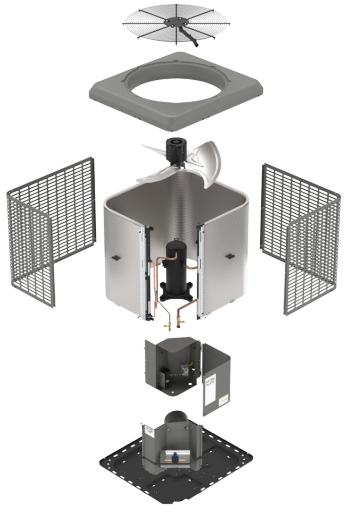
MODEL to PART

Critical Parts When You Need Them

+ **Now Added: Trane, Carrier, ICP, and American Standard**
+ Featuring Mini-Splits, Residential & Commercial HVAC Equipment
+ Thousands of Original, Aftermarket & Universal Part Options
+ Real-Time Pricing & Availability

Try it Today

Note: Must have a Johnstone Supply account

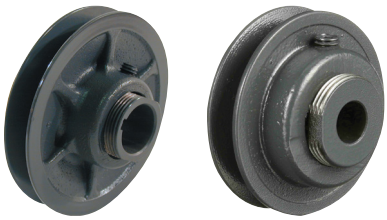


Browning

Variable Pitch Cast Iron Sheaves

For "A" and "B" Section Belts and Combination 3L/O, 4L/A and 5L/B V-Belts

- One- and two-groove pulleys are made of annealed cast iron
- Machined and balanced for reduced vibration and long belt life
- Speed variation of up to 30% is possible
- Set screw provided
- One-groove up through 10 HP; two-groove up through 20 HP
- Matched belts not required for use with 2-groove pulleys below



A B

Fig.	Order #	Mfg. #	O.D.	Pitch Diam. 3L Belt	Pitch Diam. O Belt	Pitch Diam. A Belt	Pitch Diam. B Belt	Hub Bore	Wt. Lbs.	Each	3 Lot
Single Groove											
A	**L46-533**	1VL25X1/2	2.5"	1.6"-2.4"	—	—	—	1/2"	0.8	**95.00**	**85.00**
A	**L46-534**	1VL25X5/8	2.5"	1.6"-2.4"	—	—	—	5/8"	0.8	**95.00**	**85.00**
A	**L46-535**	1VL30X1/2	2.87"	1.8"-2.7"	—	—	—	1/2"	0.9	**99.00**	**89.00**
A	**L46-536**	1VL30X5/8	2.87"	1.8"-2.7"	—	—	—	5/8"	0.9	**145.00**	**129.00**
A	**L46-537**	1VL34X1/2	3.15"	1.7"-2.5"	—	2.0"-3.0"	2.5"-3.3"	1/2"	1.2	**85.00**	**79.00**
A	**L46-539**	1VL34X3/4	3.15"	1.7"-2.5"	—	2.0"-3.0"	2.5"-3.3"	3/4"	1.2	**95.00**	**85.00**
A	**L46-538**	1VL34X5/8	3.15"	1.7"-2.5"	—	2.0"-3.0"	2.5"-3.3"	5/8"	1.2	**85.00**	**79.00**
A	**L46-540**	1VL40X1/2	3.75"	2.3"-3.1"	—	2.6"-3.6"	2.8"-3.8"	1/2"	1.7	**115.00**	**105.00**
A	**L46-542**	1VL40X3/4	3.75"	2.3"-3.1"	—	2.6"-3.6"	2.8"-3.8"	3/4"	1.7	**119.00**	**105.00**
A	**L46-541**	1VL40X5/8	3.75"	2.3"-3.1"	—	2.6"-3.6"	2.8"-3.8"	5/8"	1.7	**115.00**	**105.00**
A	**L46-543**	1VL40X7/8	3.75"	2.3"-3.1"	—	2.6"-3.6"	2.8"-3.8"	7/8"	1.7	**115.00**	**105.00**
A	**L46-546**	1VL44X3/4	4.15"	2.7"-3.5"	—	3.0"-4.0"	3.2"-4.2"	3/4"	1.9	**145.00**	**135.00**
A	**L46-545**	1VL44X5/8	4.15"	2.7"-3.5"	—	3.0"-4.0"	3.2"-4.2"	5/8"	1.9	**135.00**	**119.00**
A	**L46-547**	1VL44X7/8	4.15"	2.7"-3.5"	—	3.0"-4.0"	3.2"-4.2"	7/8"	1.9	**135.00**	**119.00**
A	**L46-548**	1VM50X1/2	4.75"	3.3"-4.1"	—	3.6"-4.6"	3.8"-4.8"	1/2"	1.9	**279.00**	**255.00**
A	**L46-550**	1VM50X3/4	4.75"	3.3"-4.1"	—	3.6"-4.6"	3.8"-4.8"	3/4"	1.9	**279.00**	**255.00**
A	**L46-549**	1VM50X5/8	4.75"	3.3"-4.1"	—	3.6"-4.6"	3.8"-4.8"	5/8"	1.9	**169.00**	**155.00**
A	**L46-551**	1VM50X7/8	4.75"	3.3"-4.1"	—	3.6"-4.6"	3.8"-4.8"	7/8"	1.9	**169.00**	**155.00**
A	**L44-004**	1VP25X1/2	2.5"	1.6"-2.4"	—	—	—	1/2"	0.8	**149.00**	**135.00**
A	**L46-554**	1VP30X1/2	2.87"	1.8"-2.7"	—	—	—	1/2"	0.9	**155.00**	**139.00**
A	**L46-555**	1VP30X5/8	2.87"	1.8"-2.7"	—	—	—	5/8"	0.9	**179.00**	**165.00**
A	**L44-005**	1VP34X1/2	3.15"	1.7"-2.5"	—	2"-3"	2.5"-3.3"	1/2"	1.2	**139.00**	**125.00**
A	**L46-558**	1VP34X3/4	3.15"	1.7"-2.5"	—	2"-3"	2.5"-3.3"	3/4"	1.2	**195.00**	**175.00**
A	**L44-006**	1VP34X5/8	3.15"	1.7"-2.5"	—	2"-3"	2.5"-3.3"	5/8"	1.2	**139.00**	**125.00**
A	**L38-333**	1VP34X7/8	3.15"	1.7"-2.5"	1.90–2.70"	2"-3"	2.5"-3.3"	7/8"	1.2	**135.00**	**125.00**
A	**L44-007**	1VP40X1/2	3.75"	2.3"-3.1"	—	2.6"-3.6"	2.8"-3.8"	1/2"	1.7	**159.00**	**145.00**
A	**L46-561**	1VP40X3/4	3.75"	2.3"-3.1"	—	2.6"-3.6"	2.8"-3.8"	3/4"	1.7	**199.00**	**179.00**
A	**L44-008**	1VP40X5/8	3.75"	2.3"-3.1"	—	2.6"-3.6"	2.8"-3.8"	5/8"	1.7	**139.00**	**125.00**
A	**L44-009**	1VP40X7/8	3.75"	2.3"-3.1"	—	2.6"-3.6"	2.8"-3.8"	7/8"	1.7	**139.00**	**125.00**
A	**L44-010**	1VP44X1-	4.15"	2.7"-3.5"	—	3"-4"	3.2"-4.2"	1-1/8"	2.6	**255.00**	**225.00**
A	**L44-011**	1VP44X1/2	4.15"	2.7"-3.5"	—	3"-4"	3.2"-4.2"	1/2"	2.6	**179.00**	**165.00**
A	**L46-514**	1VP44X1-1/8	4.15"	2.7"-3.5"	—	3"-4"	3.2"-4.2"	1-1/8"	2.6	**209.00**	**189.00**
A	**L46-565**	1VP44X3/4	4.15"	2.7"-3.5"	—	3"-4"	3.2"-4.2"	3/4"	2.6	**215.00**	**195.00**
A	**L44-012**	1VP44X5/8	4.15"	2.7"-3.5"	—	3"-4"	3.2"-4.2"	5/8"	2.6	**155.00**	**135.00**
A	**L44-013**	1VP44X7/8	4.15"	2.7"-3.5"	—	3"-4"	3.2"-4.2"	7/8"	2.6	**209.00**	**189.00**
A	**L46-567**	1VP50X1/2	4.75"	3.3"-4.1"	—	3.6"-4.6"	3.8"-4.8"	1/2"	2.9	**215.00**	**195.00**
A	**L44-014**	1VP50X1-1/8	4.75"	3.3"-4.1"	—	3.6"-4.6"	3.8"-4.8"	1-1/8"	2.9	**299.00**	**269.00**
A	**L46-569**	1VP50X3/4	4.75"	3.3"-4.1"	—	3.6"-4.6"	3.8"-4.8"	3/4"	2.9	**255.00**	**229.00**
A	**L44-015**	1VP50X5/8	4.75"	3.3"-4.1"	—	3.6"-4.6"	3.8"-4.8"	5/8"	2.9	**209.00**	**189.00**
A	**L44-016**	1VP50X7/8	4.75"	3.3"-4.1"	—	3.6"-4.6"	3.8"-4.8"	7/8"	2.9	**255.00**	**229.00**
A	**L36-657**	1VP56X1-1X8	5.35"	3.9"-4.7"	3.90–4.70"	4.0–5.0"	4.3–5.3"	1-1/8"	3.4	**345.00**	**309.00**
A	**L44-017**	1VP56X5/8	5.35"	3.9"-4.7"	—	4.0–5.0"	4.3–5.3"	5/8"	3.4	**265.00**	**239.00**
A	**L37-438**	1VP56X7/8	5.35"	3.9"-4.7"	3.90–4.70"	4.0–5.0"	4.3–5.3"	7/8"	3.4	**309.00**	**279.00**
A	**L44-018**	1VP60X1-1/8	6.0"	—	—	4.4"-5.4"	4.7"-5.9"	1-1/8"	5.5	**415.00**	**375.00**
A	**L44-019**	1VP60X1-3/8	6.0"	—	—	4.4"-5.4"	4.7"-5.9"	1-3/8"	5.5	**415.00**	**375.00**
A	**L44-020**	1VP60X7/8	6.0"	—	—	4.4"-5.4"	4.7"-5.9"	7/8"	5.5	**415.00**	**375.00**
A	**L37-001**	1VP62X1-1/8	5.95"	—	4.55–5.35"	4.2–5.2"	4.5–5.5"	1-1/8"	5.7	**419.00**	**375.00**
A	**L37-439**	1VP62X7/8	5.95"	—	4.55–5.35"	4.2–5.2"	4.5–5.5"	7/8"	5.7	**419.00**	**375.00**
A	**L44-021**	1VP65X1-1/8	6.5"	—	—	4.9"-5.9"	5.2"-6.4"	1-1/8"	5.8	**435.00**	**389.00**
A	**L44-022**	1VP65X1-3/8	6.5"	—	—	4.9"-5.9"	5.2"-6.4"	1-3/8"	5.8	**435.00**	**389.00**
A	**L37-002**	1VP68X1-1/8	6.55"	—	—	4.8–5.8"	5.1–6.1"	1-1/8"	6.4	**435.00**	**395.00**
A	**L44-023**	1VP68X1-3/8	6.55"	—	—	4.8–5.8"	5.1–6.1"	1-3/8"	6.4	**435.00**	**395.00**

continued on next page

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Fig.	Order #	Mfg. #	O.D.	Pitch Diam. 3L Belt	Pitch Diam. O Belt	Pitch Diam. A Belt	Pitch Diam. B Belt	Hub Bore	Wt. Lbs.	Each	3 Lot
A	**L44-024**	1VP71X1-1/8	7.1"	—	—	5.5"-6.5"	5.8"-7.0"	1-1/8"	6.8	**485.00**	**435.00**
A	**L44-025**	1VP71X1-3/8	7.1"	—	—	5.5"-6.5"	5.8"-7.0"	1-3/8"	6.8	**465.00**	**415.00**
2-Groove											
B	**L37-003**	2VP36X5/8	3.35"	1.9"-2.7"	2.30–3.10"	2.0–3.0"	2.5–3.3"	5/8"	2.6	**465.00**	**419.00**
B	**L37-004**	2VP36X7/8	3.35"	1.9"-2.7"	2.30–3.10"	2.0–3.0"	2.5–3.3"	7/8"	2.6	**465.00**	**419.00**
B	**L37-007**	2VP42X1-1/8	3.95"	2.5"-3.3"	2.70–3.50"	2.6–3.6"	2.9–3.9"	1-1/8"	3.5	**379.00**	**345.00**
B	**L37-005**	2VP42X5/8	3.95"	2.5"-3.3"	2.70–3.50"	2.6–3.6"	2.9–3.9"	5/8"	3.5	**535.00**	**479.00**
B	**L37-006**	2VP42X7/8	3.95"	2.5"-3.3"	2.70–3.50"	2.6–3.6"	2.9–3.9"	7/8"	3.5	**379.00**	**345.00**
B	**L37-010**	2VP50X1-1/8	4.75"	3.3"-4.1"	3.30–4.10"	3.4–4.4"	3.7–4.7"	1-1/8"	5.4	**439.00**	**395.00**
B	**L37-008**	2VP50X5/8	4.75"	3.3"-4.1"	3.30–4.10"	3.4–4.4"	3.7–4.7"	5/8"	5.4	**625.00**	**565.00**
B	**L37-009**	2VP50X7/8	4.75"	3.3"-4.1"	3.30–4.10"	3.4–4.4"	3.7–4.7"	7/8"	5.4	**439.00**	**395.00**
B	**L37-012**	2VP56X1-1/8	5.35"	3.9"-4.7"	3.90–4.70"	4.0–5.0"	4.3–5.3"	1-1/8"	6.6	**515.00**	**465.00**
B	**L37-011**	2VP56X7/8	5.35"	3.9"-4.7"	3.90–4.70"	4.0–5.0"	4.3–5.3"	7/8"	6.6	**725.00**	**649.00**
B	**L44-061**	2VP60X1-1/8	6.0"	—	—	4.4"-5.4"	4.7"-5.9"	1-1/8"	10.2	**655.00**	**595.00**
B	**L44-062**	2VP60X1-3/8	6.0"	—	—	4.4"-5.4"	4.7"-5.9"	1-3/8"	10.2	**655.00**	**595.00**
B	**L46-515**	2VP60X1-5/8	6.0"	—	—	4.4"-5.4"	4.7"-5.9"	1-5/8"	10.2	**655.00**	**595.00**
B	**L37-013**	2VP62X1-1/8	5.95"	—	4.55–5.35"	4.2–5.2"	4.5–5.5"	1-1/8"	10.5	**659.00**	**595.00**
B	**L37-441**	2VP62X13/8	5.95"	—	4.55–5.35"	4.2–5.2"	4.5–5.5"	1-3/8"	10.5	**595.00**	**535.00**
B	**L37-440**	2VP62X7/8	5.95"	—	4.55–5.35"	4.2–5.2"	4.5–5.5"	7/8"	10.5	**895.00**	**805.00**
B	**L44-063**	2VP65X1-1/8	6.5"	—	—	4.9"-5.9"	5.2"-6.4"	1-1/8"	11.6	**705.00**	**635.00**
B	**L44-064**	2VP65X1-3/8	6.5"	—	—	4.9"-5.9"	5.2"-6.4"	1-3/8"	11.6	**705.00**	**635.00**
B	**L44-065**	2VP65X1-5/8	6.5"	—	—	4.9"-5.9"	5.2"-6.4"	1-5/8"	11.6	**705.00**	**635.00**
B	**L37-014**	2VP68X1-1/8	6.55"	—	—	4.8–5.8"	5.1–6.1"	1-1/8"	12.3	**1045.00**	**919.00**
B	**L44-066**	2VP68X1-3/8	6.55"	—	—	4.8–5.8"	5.1–6.1"	1-3/8"	12.3	**725.00**	**655.00**
B	**L37-442**	2VP71X13/8	7.10"	—	—	5.3–6.3"	5.4–6.6"	1-3/8"	13.4	**669.00**	**605.00**
B	**L44-067**	2VP71X1-5/8	7.10"	—	—	5.3–6.3"	5.4–6.6"	1-5/8"	13.4	**745.00**	**669.00**
B	**L37-443**	2VP75X13/8	7.50"	—	—	5.7–6.7"	5.8–7.0"	1-3/8"	13.4	**995.00**	**895.00**

Gripbelt® Sheaves with Split Taper Bushings

- Combination groove will accept 4L, A, AX, 5L, B, BX, 5V and 5VX belts



Order #	Mfg. #	O.D.	Hub Bore	Wt. Lbs.
Single Groove				
L43-995	1B5V42	4.48"	P1	2.5
L43-996	1B5V46	4.68"	B	2.5
L43-997	1B5V60	6.28"	B	5.4
L43-998	1B5V80	8.28"	B	7.5
L43-999	1B5V94	9.68"	B	8.5
L43-994	1B5V110	11.28"	B	10.3
Two Groove				
L80-157	1B5V124	12.68"	B	11.5
L44-029	2B5V42	4.48"	P1	3.7
L44-030	2B5V46	4.88"	B	3.3

Order #	Mfg. #	O.D.	Hub Bore	Wt. Lbs.
L44-031	2B5V48	5.08"	B	3.9
L44-032	2B5V50	5.28"	B	4.6
L44-033	2B5V52	5.48"	B	5.3
L44-034	2B5V54	5.68"	B	6.0
L44-035	2B5V56	5.88"	B	6.7
L44-036	2B5V58	6.08"	B	7.4
L44-037	2B5V60	6.28"	B	8.2
L44-038	2B5V62	6.48"	B	9.2
L44-039	2B5V64	6.48"	B	8.4
L44-040	2B5V66	6.88"	B	11.4
L44-041	2B5V68	7.08"	B	10.2

Order #	Mfg. #	O.D.	Hub Bore	Wt. Lbs.
L44-042	2B5V70	7.28"	B	12.3
L44-043	2B5V74	7.68"	B	14.2
L44-044	2B5V80	8.28"	B	11.3
L44-045	2B5V86	8.88"	B	10.6
L44-046	2B5V90	9.28"	B	11.1
L44-047	2B5V94	9.68"	B	11.6
L44-027	2B5V110	11.28"	B	14.4
L44-028	2B5V124	12.68"	B	17.1
L80-158	2B5V136	13.88"	B	19.3
L80-159	2B5V154	15.68"	B	23.2

MOTOR FINDER

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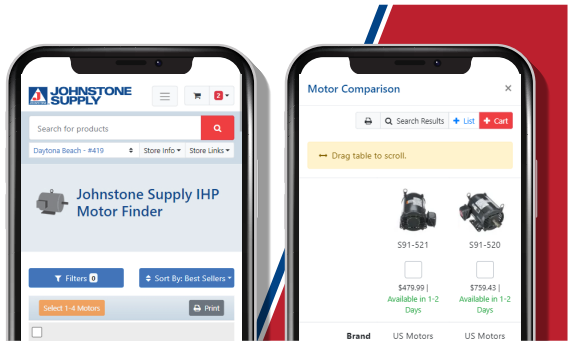

CLIMAX METAL PRODUCTS COMPANY

Solid and Spoke Congress Die Cast Sheaves

- Rugged precision cast sheaves for popular 4L and A type V-belts
- Machine tested and balanced; individually boxed
- Set screws provided
- Made of zinc die cast; will not corrode or rust



A



B

Fig.	Order #	Mfg. #	O.D.	Pitch Diam.	Hub Bore	Keyway	Each	10 Lot
A	**L36-742**	—	1-1/2"	1.35"	3/8"	Without	**19.99**	**17.99**
A	**L36-743**	—	1-1/2"	1.35"	1/2"	Without	**19.99**	**17.99**
A	**L36-744**	—	1-1/2"	1.35"	5/8"	Without	**19.99**	**17.99**
A	**L36-745**	—	2"	1.85"	3/8"	Without	**22.49**	**19.99**
A	**L36-746**	—	2"	1.85"	1/2"	Without	**22.49**	**19.99**
A	**L36-747**	—	2"	1.85"	5/8"	With	**22.49**	**19.99**
A	**L36-748**	—	2"	1.85"	3/4"	With	**22.49**	**19.99**
A	**L36-749**	—	2-1/4"	2.10"	1/2"	Without	**25.49**	**22.99**
A	**L36-750**	—	2-1/4"	2.10"	5/8"	With	**25.49**	**22.99**
A	**L36-751**	—	2-1/2"	2.35"	1/2"	Without	**25.99**	**22.99**
A	**L36-752**	—	2-1/2"	2.35"	5/8"	With	**25.99**	**22.99**
A	**L36-753**	—	2-1/2"	2.35"	3/4"	With	**25.99**	**22.99**
A	**L36-754**	—	3"	2.85"	1/2"	Without	**26.49**	**23.99**
A	**L36-755**	—	3"	2.85"	5/8"	With	**26.49**	**23.99**
A	**L36-756**	—	3"	2.85"	3/4"	With	**26.49**	**23.99**
A	**L36-757**	—	3-1/2"	3.35"	1/2"	Without	**31.49**	**28.49**
A	**L36-758**	—	3-1/2"	3.35"	5/8"	With	**31.49**	**28.49**
A	**L36-759**	—	3-1/2"	3.35"	3/4"	With	**31.49**	**28.49**
A	**L36-760**	—	4"	3.85"	1/2"	Without	**33.49**	**30.49**
A	**L36-761**	—	4"	3.85"	5/8"	With	**33.49**	**30.49**
A	**L36-762**	—	4"	3.85"	3/4"	With	**33.49**	**30.49**
A	**L36-763**	—	4-1/2"	4.35"	1/2"	Without	**39.99**	**35.99**
A	**L36-764**	—	4-1/2"	4.35"	5/8"	With	**39.99**	**35.99**
A	**L36-765**	—	4-1/2"	4.35"	3/4"	With	**39.99**	**35.99**
A	**L36-766**	—	5"	4.85"	1/2"	Without	**41.49**	**37.49**
A	**L36-767**	—	5"	4.85"	5/8"	With	**41.49**	**37.49**

Fig.	Order #	Mfg. #	O.D.	Pitch Diam.	Hub Bore	Keyway	Each	10 Lot
A	**L36-768**	—	5"	4.85"	3/4"	With	**41.49**	**37.49**
B	**L36-769**	—	6"	5.85"	1/2"	Without	**59.00**	**55.00**
B	**L36-770**	—	6"	5.85"	5/8"	With	**59.00**	**55.00**
B	**L36-771**	—	6"	5.85"	3/4"	With	**59.00**	**55.00**
B	**L36-772**	—	6"	5.85"	1"	With	**59.00**	**55.00**
B	**L36-773**	—	7"	6.85"	1/2"	Without	**69.00**	**65.00**
B	**L36-774**	—	7"	6.85"	5/8"	With	**69.00**	**65.00**
B	**L36-775**	—	7"	6.85"	3/4"	With	**69.00**	**65.00**
B	**L36-776**	CA0700X100KW	7"	6.85"	1"	With	**69.00**	**65.00**
B	**L36-777**	—	8"	7.85"	1/2"	Without	**75.00**	**69.00**
B	**L36-778**	—	8"	7.85"	5/8"	With	**75.00**	**69.00**
B	**L36-779**	—	8"	7.85"	3/4"	With	**75.00**	**69.00**
B	**L36-780**	—	8"	7.85"	1"	With	**75.00**	**69.00**
B	**L36-781**	—	9"	8.85"	1/2"	Without	**89.00**	**79.00**
B	**L36-782**	—	9"	8.85"	5/8"	With	**89.00**	**79.00**
B	**L36-783**	—	9"	8.85"	3/4"	With	**89.00**	**79.00**
B	**L36-784**	—	9"	8.85"	1"	With	**89.00**	**79.00**
B	**L36-785**	—	10"	9.85"	1/2"	Without	**105.00**	**95.00**
B	**L36-786**	—	10"	9.85"	5/8"	With	**105.00**	**95.00**
B	**L36-787**	—	10"	9.85"	3/4"	With	**105.00**	**95.00**
B	**L36-788**	—	10"	9.85"	1"	With	**105.00**	**95.00**
B	**L36-789**	—	12"	11.85"	1/2"	Without	**139.00**	**125.00**
B	**L36-790**	—	12"	11.85"	5/8"	With	**139.00**	**125.00**
B	**L36-791**	—	12"	11.85"	3/4"	With	**139.00**	**125.00**
B	**L36-792**	—	12"	11.85"	1"	With	**139.00**	**125.00**

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Air Over Motor (AO) — The motor, directly connected to a fan, is kept cool with the stream of moving air.

Alternating Current (AC) — The flow of electricity through a conductor that is constantly changing its direction of flow. House current is AC.

Ambient (Amb) — The temperature of the air surrounding the motor.

Ampere (Amp) — The unit of measurement for rate of current flow, commonly referred to as an "amp".

Armature (Arm) — That part of an electrical machine which includes the main current carrying winding. In direct-current machines, the armature winding is connected to the commutator and the armature is the rotating member. In alternating current machines without commutators, the armature may be either the rotating member or the stationary member.

Bearing — Located in the end bell, it supports the shaft and provides for smooth rotation. ***Sleeve (Slv.):*** Used where low noise level is important, such as on fans and blower motors. ***Ball:*** Used where higher load capacities are required or where relubrication is inconvenient. ***Unit:*** Motors with one long sleeve bearing constructed for fan duty only.

Binding Post — A threaded terminal for connecting wire to electrical equipment. Also known as a stud.

Bracket — Another name for end shield or end bell.

BTU — An abbreviation for British Thermal Unit; 12,000 BTU equals 1 ton air conditioning.

CW, CCW — Clockwise and counter clockwise rotation when viewing motor from the end indicated by manufacturer.

Capacitor (Condenser) — A device which introduces capacitance into an electric circuit. The material which separates the conductors in a capacitor is called the dielectric. Capacitors are usually classified according to this material. For example, there are paper, air, oil and mica capacitors.

Conductor — Material that may be used as a carrier of electrical current.

Constant Speed Motor — A motor whose speed is constant or substantially constant over the normal range of loads.

Current — The flow of an electrical charge through a conductor with the ability to overcome resistance and perform work.

Definite Purpose Motor — A motor designed for use on a particular application, with operating characteristics and mechanical construction required by the application. Example: Sump pump motor, oil burner motor.

Duty — A requirement of service which defines the degree of regularity of the load.

Efficiency — The ratio or comparison of useful power output to the power input.

Electric Motor — A machine which transforms electrical energy into mechanical energy.

Electrically Reversible Motor — One which can be reversed by changing the external connections.

End Bell (End Shield) — Shield at the end of the motor which supports the bearings. Also called end plate.

Enclosure (Encl.) — Motor envelope types: ***Open:*** An open motor is self-ventilated, having no restriction to ventilation or to the enclosure other than necessitated by mechanical construction. ***Drippproof (DP):*** Constructed with ventilation openings so that falling liquid at an angle of 15 degrees from vertical will not enter the motor. T***otally Enclosed Non-Ventilated (TENV):*** Constructed with no openings in brackets or frame. ***Totally Enclosed Fan Cooled (TEFC):*** Constructed with no openings in brackets or frame, but includes an external fan with shroud to blow cooling air over motor. ***Totally Enclosed Air-Over (TEAO):*** Depends on air flow from driven device for motor cooling.

Explosion Proof (XP) — An enclosed motor whose enclosure is designed and constructed to withstand an explosion of a specified gas or vapor which may occur within the motor and to prevent the ignition of this gas or vapor surrounding the machine. Refer to charts for various classes and groups of explosion-proof motors.

Frame — The supporting structure for the stator parts.

Frame SIZE — Refers to a set of physical dimensions of motors as established by NEMA. These dimensions consist of shaft length, shaft diameter, shaft height and location of base mounting holes.

Frequency (Hertz) — The rate at which alternating current changes its direction of flow, usually expressed in terms of cycles per second, usually 60 Hz in USA.

Full Load Current (FLA) — The current stamped on nameplate which motor will draw while operating at its designated full load at corresponding voltage.

General Purpose AC Motor — An AC motor built in standard ratings, with standard performance and mechanical construction, offered for general use.

Horsepower — Formulas for determining horsepower: HP equals Watts output divided by 746; 746 Watts equals 1 HP. To estimate HP: HP equals torque in oz. inches times rpm divided by one million.

Impedance Protected — Motor designed to not burn out in less than 15 days under locked rotor condition, in accordance with UL standards.

Induction — The production of an electric current in a conductor by a magnetic field in close proximity to it.

Induction Motor — An AC motor in which a primary winding (usually on the stator) is connected to the electrical power source and a secondary circuit (usually the rotor) carries an induced current.

Insulation (Ins) — Insulations are classified by their ability to withstand a specified temperature for a specified length of time without deteriorating. The insulation classes normally used and their total allowable temperature (both ambient and rise) are as follows:

Class A	105°C	(221°F)	Class F	155°C	(311°F)
Class B	130°C	(266°F)	Class H	180°C	(356°F)

Locked Rotor Current (LRA) — The measured current taken at rotor stand-still with rated voltage and frequency applied.

Mounting — ***Rigid:*** Motor solidly fastened to equipment through a metal base welded to the motor shell. ***Resilient:*** Motor shell isolated from the base by rubber rings on the end shields. ***Stud:*** Motor has bolts extending from front or rear by which it is mounted.

Multispeed Motor — One which can be operated at any of two or more definite speeds, each being practically independent of the load. In the case of multi-speed permanent-split capacitor (PSC) and shaded pole motor, the speeds are dependent on the load.

NEMA — National Electrical Manufacturers Association. This organization sets electrical and mechanical standards for electric motors.

OEM: — Original Equipment Manufacturer. Same as the original part.

Ohm — The unit of electrical resistance to the flow of current.

Overload Protector — A temperature detecting device built into the motor that disconnects the motor from the power source if the temperature rise becomes excessive.

Polyphase — More than one phase, usually three phase.

Power — The amount of work which can be done in a unit of time.

Power Factor — The ratio of real power (watts) divided by apparent power (volt-amperes). Not to be confused with efficiency (measure of the extent to which power transmission or distribution systems are utilized).

Rating — The designated limit of operating characteristics of a machine, apparatus or device based on definite conditions. Load voltage, frequency, and other operating characteristics may be given in the rating.

Resistance — The property of an electric circuit or of any object used as part of an electric circuit which determines for a given current the rate at which electric energy is converted into heat or radiant energy, and which has a value such that the product of the resistance and the square of the current gives the rate of conversion of energy.

Rotor — The rotating part of most alternating current motors.

Service Factor — Number by which the horsepower rating is multiplied to determine the maximum safe load that a motor may be expected to carry continuously.

Slot Insulation — Also called Slot Liner. The insulation lining the slot containing the motor windings.

Speed (RPM) — The running speed of an AC motor is dependent upon the number of poles and the frequency of the power source.

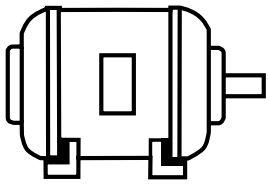
$$RPM = \frac{120 \times Freq.}{No.\ Poles}$$

No. of Poles	Synchronous Speed	Normal Speed	No. of Poles	Synchronous Speed	Normal Speed
2	3600	3450	6	1200	1075
4	1800	1725	8	900	825

continued on next page

MOTOR MOUNTING ASSEMBLY GUIDE

FLOOR MOUNTINGS



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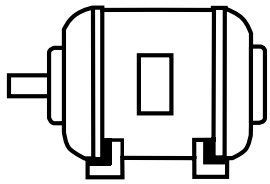
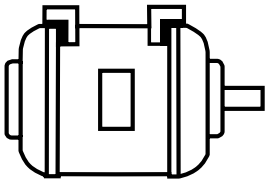


ASSEMBLY F-2

CEILING MOUNTINGS



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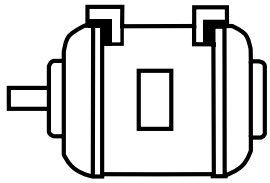
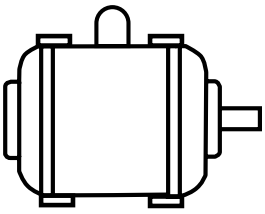


ASSEMBLY C-2

WALL MOUNTINGS



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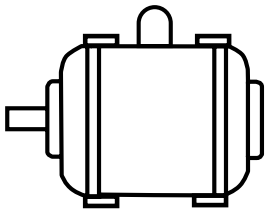

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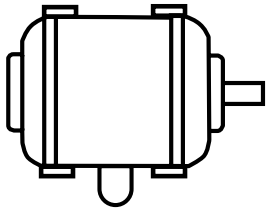

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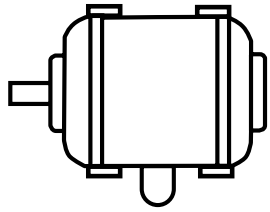

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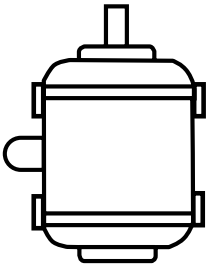

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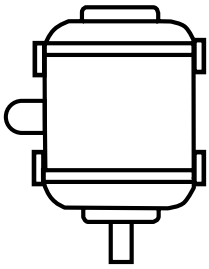

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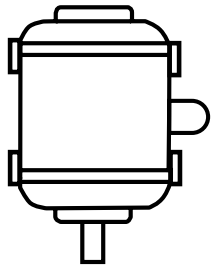

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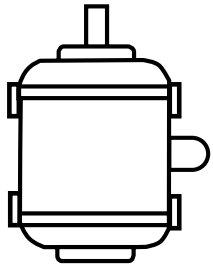

ASSEMBLY W-8

***W6 and W7 available on Totally Enclosed Air Over Only (TEAO)**

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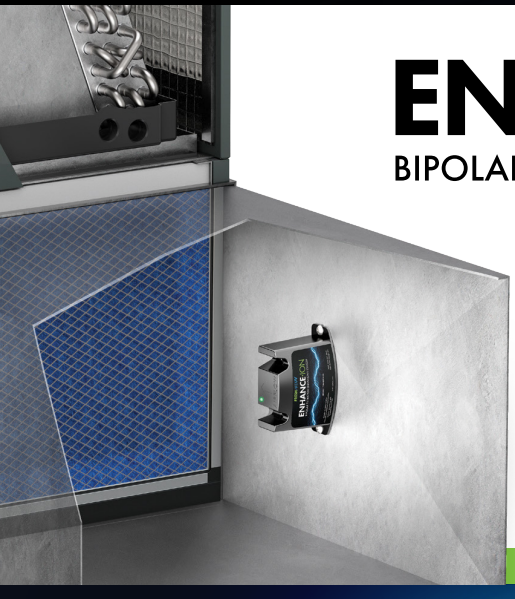
- Neutralizes airborne mold, bacteria, viruses
- Helps keep HVAC equipment clean
- Reduces odors/VOCs in the airstream
- LED status light-bars monitor lamp life
- 24V (Packard transformer included)
- UL2998 validated for zero ozone





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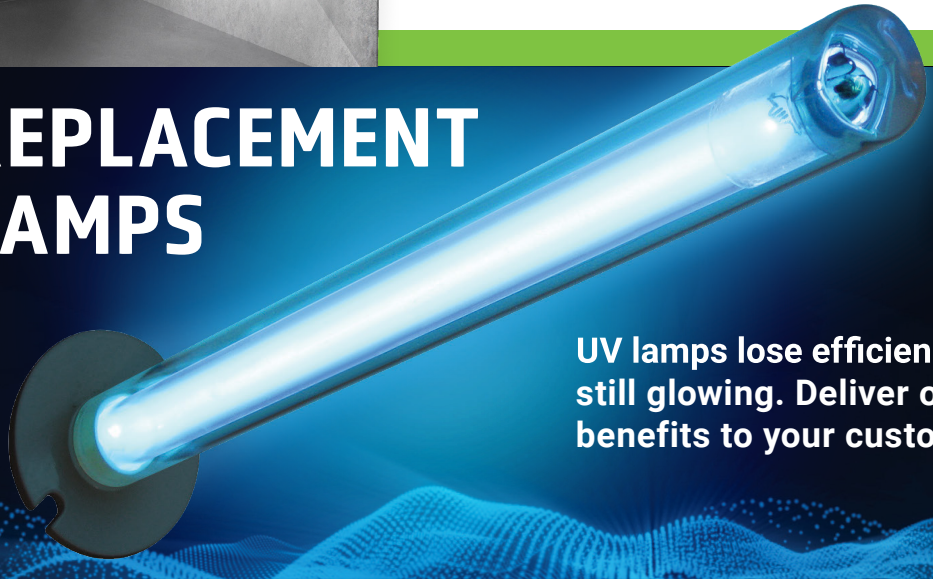

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Centrifugal Belt Drive Upblast Roof and Wall Ventilators

- Permanently lubricated ball bearings (10" thru 24" models) and regreaseable pillow block bearings (30" thru 36" models)
- 10" thru 24" models are wall mount capable
- Open dripproof motors are factory wired with 6' pigtail; single-phase models 1 HP and smaller are wired 115V; three-phase models 2 HP and smaller are wired 220V, 3 HP and larger are wired 440V; voltage is field convertible
- Variable pitch motor sheaves allows for 25% speed/CFM reduction
- Shipped completely assembled with motor and drive package
- Power ratings (BHP) do not include drive losses

Note: Also available as part of our Shell Program - ask your store for details

Performance shown is for installation type A: free inlet, free outlet. Performance ratings include the effects of birdscreens in the airstream.

The sound ratings shown are loudness values in fan sones at 5-ft. (1.5M) in a hemispherical free field calculated per AMCA Standard 301. Values shown for ventilators listed are for installation type A: free inlet fan sone levels.

Order #	Mfg. #	HP	RPM	Wheel Diam.	Max. BHP	Sones @ 0.250" SP	CFM @ 0.250" SP	CFM @ 0.500" SP	CFM @ 0.750" SP	CFM @ 1.000" SP	CFM @ 1.250" SP	OEM Replacement Motor	Shipping Wt. Lbs.	Each
Single-Phase 115/230V														
X90-836	5BDU10BB	1/4	1819	10-1/2"	0.25	14.3	1,089	981	855	—	—	481477	67	**2245.00**
X90-837	5BDU12BB	1/4	1423	12-1/4"	0.24	11.7	1,266	1,121	939	—	—	481477	73	**2499.00**
X90-839	5BDU13BB-A	1/4	1210	13-1/2"	0.25	11.5	1,543	1,334	1,061	—	—	481477	77	**2899.00**
X90-840	5BDU13DB	1/2	1530	13-1/2"	0.50	16.3	2,042	1,888	1,723	1,538	—	481479	83	**2745.00**
X90-842	5BDU15BB	1/4	1033	15"	0.25	11.5	1,727	1,450	568	—	—	481477	97	**3099.00**
X90-844	5BDU15EB	3/4	1489	15"	0.74	17.8	2,659	2,503	2,325	2,123	1,875	481489	109	**3199.00**
X91-199	5BDU15DB	1/2	1185	15"	0.33	13.3	2,047	—	1,561	587	—	—	102	**3145.00**
X90-846	5BDU15FB	1	1639	15"	0.99	20.0	2,956	2,817	2,662	2,501	2,307	481488	111	**3245.00**
X90-848	5BDU16DB	1/2	1100	16-1/2"	0.50	14.2	2,637	2,370	2,077	1,529	—	481479	101	**3599.00**
X90-851	5BDU16FB	1	1400	16-1/2"	1.02	21.0	3,478	3,282	3,068	2,844	—	481488	111	**3445.00**
X90-853	5BDU18DB-A	1/2	928	18-1/4"	0.47	11.6	2,873	2,523	2,070	—	—	481479	125	**3645.00**
X90-855	5BDU18FB	1	1169	18-1/4"	0.94	17.5	3,756	3,508	3,229	2,914	2,502	481488	134	**3645.00**
X90-857	5BDU18GB	1-1/2	1338	18-1/4"	1.41	20.0	4,363	4,159	3,923	3,678	3,402	481487	142	**3845.00**
X90-860	5BDU20DB-A	1/2	800	20"	0.50	13.1	3,304	2,820	2,005	—	—	481479	125	**4199.00**
X90-862	5BDU20FB	1	1010	20"	1.00	17.1	4,373	4,026	3,643	3,181	1,422	481488	136	**4199.00**
X90-864	5BDU20GB	1-1/2	1155	20"	1.50	21.0	5,086	4,797	4,483	4,136	3,750	481487	142	**4099.00**
X90-867	5BDU24DB	1/2	570	24-1/2"	0.51	11.3	4,313	3,239	—	—	—	481479	149	**5199.00**
X90-869	5BDU24FB	1	720	24-1/2"	1.01	14.3	5,842	5,180	4,310	—	—	481488	157	**5245.00**
X90-871	5BDU24GB	1-1/2	820	24-1/2"	1.50	18.2	6,818	6,245	5,632	4,800	—	481487	164	**4999.00**
X90-876	5BDU30FB-A	1	519	30"	0.94	15.2	6,901	5,709	—	—	—	481488	435	**9899.00**
X90-880	5BDU36FB-A	1	373	36-1/2"	0.98	9.4	8,679	6,202	—	—	—	481488	496	**12500.00**
Three-Phase 208-220/440V														
X90-843	5BDU15DX-A	1/2	1301	15"	0.5	15.1	2,282	2,091	1,868	1,572	—	481451	101	**3199.00**
X90-845	5BDU15EX-A	3/4	1489	15"	0.74	17.8	2,659	2,503	2,325	2,123	1,875	481474	109	**3245.00**
X90-847	5BDU15FX-A	1	1639	15"	0.99	20	2,956	2,817	2,662	2,501	2,307	481468	111	**3299.00**
X90-849	5BDU16DX-A	1/2	1100	16-1/2"	0.5	14.2	2,637	2,370	2,077	1,529	—	481451	101	**3599.00**
X90-850	5BDU16EX	3/4	1260	16-1/2"	0.75	17.4	3,089	2,864	2,623	2,360	—	481474	102	**3645.00**
X90-852	5BDU16FX-A	1	1400	16-1/2"	1.02	21	3,478	3,282	3,068	2,844	—	481468	111	**3699.00**
X90-854	5BDU18DX-A	1/2	928	18-1/4"	0.47	11.6	2,873	2,523	2,070	—	—	481451	125	**3645.00**
X90-856	5BDU18FX	1	1169	18-1/4"	0.94	17.5	3,756	3,508	3,229	2,914	2,502	481468	134	**3599.00**
X90-858	5BDU18GX	1-1/2	1338	18-1/4"	1.41	20	4,363	4,159	3,923	3,678	3,402	481872	142	**4045.00**
X90-859	5BDU18HX	2	1473	18-1/4"	1.88	24	4,842	4,657	4,459	4,238	4,015	481880	137	**4099.00**
X90-863	5BDU20FX-A	1	1010	20"	1	17.1	4,373	4,026	3,643	3,181	1,422	481468	136	**4199.00**
X90-865	5BDU20GX-A	1-1/2	1155	20"	1.5	21	5,086	4,797	4,483	4,136	3,750	481872	142	**4199.00**
X90-866	5BDU20HX	2	1270	20"	2	24	5,647	5,391	5,108	4,823	4,491	481880	139	**4399.00**
X90-868	5BDU24DX-A	1/2	570	24-1/2"	0.51	11.3	4,313	3,239	—	—	—	481451	149	**5199.00**
X90-870	5BDU24FX-A	1	720	24-1/2"	1.01	14.3	5,842	5,180	4,310	—	—	481468	157	**5245.00**
X90-872	5BDU24GX-A	1-1/2	820	24-1/2"	1.5	18.2	6,818	6,245	5,632	4,800	—	481872	164	**5045.00**
X90-873	5BDU24HX	2	900	24-1/2"	1.99	22	7,573	7,070	6,541	5,945	5,101	481880	164	**5245.00**
X90-877	5BDU30FX-A	1	519	30"	0.94	15.2	6,901	5,709	—	—	—	481468	435	**9745.00**
X90-878	5BDU30HX-A	2	653	30"	1.87	18.3	9,152	8,319	7,354	6,230	—	481880	440	**11500.00**
X90-879	5BDU30KX	5	887	30"	4.69	30	12,883	12,350	11,744	11,100	10,393	481881	464	**10900.00**
X90-881	5BDU36FX-A	1	373	36-1/2"	0.98	9.4	8,679	6,202	—	—	—	481468	496	**13500.00**
X90-883	5BDU36KX-A	5	637	36-1/2"	4.9	23	16,708	15,763	14,736	13,573	12,174	481881	521	**13500.00**

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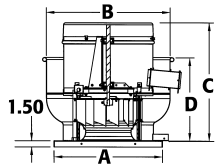

Wheel Diam. (In.)	Dimensions (In.) A	B	C	D	Optional Accessories: Roof Curbs Non-Vented* Order #	Roof Curbs Vented Order #	Roof Exhaust Damper* Order #
10-1/2	19	23-7/8	23-3/8	16-7/8	X90-735	X90-736	X89-850
12-1/4	22	26-1/2	24-1/4	17-3/4	X90-737	X90-738	X89-854
13-1/2	22	27-7/8	24-5/8	18-1/2	X90-737	X90-738	X89-854
15	26	29-7/8	27-3/8	19-3/8	X90-740	X90-741	X89-856
16-1/2	26	31-3/4	27-3/4	20-1/6	X90-740	X90-741	X89-856
18-1/4	30	34	29-7/8	21-1/8	X90-743	X90-744	X90-739
20-1/2	30	36-1/2	30-1/4	22	X90-743	X90-744	X90-739
24-1/2	34	42-3/8	33	24-1/2	X90-745	X90-746	X90-742
30	42	49-1/2	38-3/4	27-1/2	—	X90-751	X90-747
36-1/2	46	58-1/6	42-7/8	31-1/8	X90-753	X90-754	X90-749

(*) Not for use with any kitchen exhaust application.

Upblast & Downblast Ventilator Shells

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- Shells for all belt drive upblast & downblast ventilators

Fig.	Order #	Mfg. #	Curb Cap	Shipping Wt. Lbs.	Each
Upblast					
A	**X92-830**	5BDU10	19" x 19"	71	**1699.00**
A	**X92-831**	5BDU12	22" x 22"	80	**1999.00**
A	**X92-832**	5BDU13	22" x 22"	104	**2199.00**
A	**X92-833**	5BDU15	26" x 26"	115	**2445.00**
A	**X92-834**	5BDU16	26" x 26"	125	**2599.00**
A	**X92-835**	5BDU18	30" x 30"	133	**2899.00**
A	**X92-836**	5BDU20	30" x 30"	141	**3099.00**
A	**X92-837**	5BDU24	34" x 34"	190	**3545.00**
A	**X92-838**	5BDU30	42" x 42"	295	**6499.00**
A	**X92-839**	5BDU36	46" x 46"	378	**8445.00**
Downblast					
B	**X92-840**	5BDD10	19" x 19"	71	**1599.00**
B	**X92-841**	5BDD12	22" x 22"	80	**1745.00**
B	**X92-842**	5BDD13	22" x 22"	104	**1945.00**
B	**X92-843**	5BDD15	26" x 26"	115	**2145.00**
B	**X92-844**	5BDD16	26" x 26"	125	**2299.00**
B	**X92-845**	5BDD18	30" x 30"	133	**2645.00**
B	**X92-846**	5BDD20	30" x 30"	141	**2945.00**
B	**X92-847**	5BDD24	34" x 34"	205	**3899.00**
B	**X92-848**	5BDD30	42" x 42"	295	**8099.00**
B	**X92-849**	5BDD36	46" x 46"	378	**11900.00**


A


B

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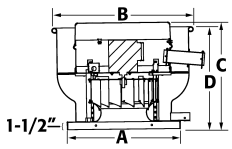
Centrifugal Direct Drive Upblast Roof and Wall Exhaust Ventilators

- Designed to continually exhaust foul air, smoke, fumes, odors and grease-laden vapors from range hoods and commercial cooking appliances
- All ventilators are UL standard 705 listed power ventilators
- All ventilators are UL listed restaurant exhaust equipment subject 762 (YZHW) and complies with NFPA 96 application requirements allowing operating inlet temperatures up to 300°F (except 8" diameter models)
- Junction box mounted in externally cooled motor compartment
- Fully welded venturi to windband eliminates grease leakage
- Fully rolled windband bead for added strength and stability
- Welded curb corners eliminate water entry into ducts or building
- Pre-wired class B insulated ball bearing 60 Hz motor
- **X90-903**, **X90-905** and **X90-906** are 115/230V; all others are 115V
- Units are speed controllable when wired 115V only (speed controller optional)

Speed (RPM) shown is nominal and performance shown is based on actual speed of test.

The sone ratings at 5-ft. in a hemispherical free field per AMCA Standard 301.

Order #	Mfg. #	HP	RPM	Amps	Wheel Diam.	Sones @ 0.250" SP	CFM @ 0.125" SP	CFM @ 0.250" SP	CFM @ 0.500" SP	CFM @ 0.750" SP	CFM @ 1.000" SP	OEM Replacement Motor	Speed Control Order #	Shipping Wt. Lbs.	Each
X90-897	5DDU085AY	1/25	1642	1.5	8"	6.5	349	267	—	—	—	481456	X71-282	35	**1045.00**
X90-898	5DDU106A	1/20	1100	1	10-1/2"	4.8	548	388	—	—	—	481896	X71-282	40	**1245.00**
X90-899	5DDU10AA	1/6	1725	2.3	10-1/2"	11.6	979	911	749	522	—	481894	X71-282	40	**1445.00**
X90-901	5DDU12CA	1/3	1557	4.0	12-1/4"	13.3	1,469	1,406	1,272	1,107	897	482578	G22-957	48	**1799.00**
X90-903	5DDU13DB	1/2	1690	6.2/3.1	13-1/2"	19.5	2,352	2,285	2,145	1,992	1,829	481505	G22-692	54	**2099.00**
X90-904	5DDU15CA	1/3	1144	4.4	15"	12.5	2,070	1,963	1,714	1,375	—	481510	G22-957	65	**2499.00**
X90-905	5DDU16DB	1/2	1145	6.2/3.1	16-1/2"	14.5	2,739	2,619	—	2,063	1,502	481500	G22-692	74	**2599.00**
X90-906	5DDU18EB	3/4	1111	8.4/4.2	18-1/4"	20	3,787	3,644	3,337	3,011	2,616	481511	G22-692	94	**2899.00**



	Dimensions (In.)				Optional Accessories		
					Roof Curbs		Exhaust Dampers
Wheel Diam. (In.)	A	B	C	D	Non-Vented* Order #	Vented Order #	Roof Mount* Order #
8	19	20-1/2	12-1/8	10	X90-735	X90-736	—
10-1/2	19	23-7/8	18-7/8	16-7/8	X90-735	X90-736	X89-850
12-1/4	22	26-1/6	19-5/8	17-3/4	X90-737	X90-738	X89-854
13-1/2	22	27-7/8	20-3/4	18-1/2	X90-737	X90-738	X89-854
15	26	29-7/8	22	19-3/8	X90-740	X90-741	X89-856
16-1/2	26	31-3/4	22-3/4	20-1/6	X90-740	X90-741	X89-856
18-1/4	30	34	24	21-1/8	X90-743	X90-744	X90-739

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Centrifugal Belt Drive Downblast Exhaust Ventilators

- Designed for low to moderate static pressure in industrial and commercial applications where steady rooftop exhaust is required
- Roof mount applications only
- Features spun aluminum housing construction, steel support braces, backward inclined aluminum wheel, externally cooled motor compartment, birdscreen, junction box, welded curb corners and maximum operating inlet temperatures up to 170°F
- Open dripproof motors are factory wired with 6' pigtail; single-phase models 1 HP and smaller are wired 115V; three-phase models 2 HP and smaller are wired 220V, 3 HP and larger are wired 440V; voltage is field convertible
- Variable pitch motor sheaves allows for 25% speed/CFM reduction
- Shipped completely assembled with motor and drive package
- Power ratings (BHP) do not include drive losses

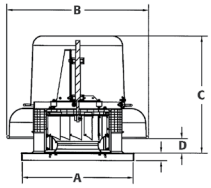
Note: Also available as part of our Shell Program - ask your store for details

Performance shown is for installation type A: free inlet, free outlet. Performance ratings include the effects of birdscreens in the airstream.

The sound ratings shown are loudness values in fan sones at 5-ft. (1.5M) in a hemispherical free field calculated per AMCA Standard 301. Values shown for ventilators listed are for installation type A: free inlet fan sone levels.



Order #	Mfg. #	HP	RPM	Wheel Diam.	Max. BHP	Sones @ 0.250" SP	CFM @ 0.000" SP	CFM @ 0.250" SP	CFM @ 0.500" SP	CFM @ 0.750" SP	CFM @ 1.250" SP	OEM Replacement Motor	Shipping Wt. Lbs.	Each
Single-Phase 115/230V														
X90-789	5BDD10BB	1/4	1819	10-1/2"	0.25	14.2	1,197	1,104	1,004	884	575	481477	71	**2099.00**
X90-790	5BDD12BB-A	1/4	1423	12-1/4"	0.25	11.7	1,464	1,321	1,158	950	—	481477	81	**2745.00**
X90-791	5BDD12CB	1/3	1566	12-1/4"	0.33	12.7	1,611	1,481	1,339	1,169	805	481478	84	**2545.00**
X90-792	5BDD13BB-A	1/4	1213	13-1/2"	0.24	12.3	1,672	1,500	1,279	1,009	—	481477	93	**2945.00**
X90-793	5BDD13DB	1/2	1528	13-1/2"	0.48	16.8	2,106	1,969	1,820	1,645	1,131	481479	99	**2799.00**
X90-795	5BDD15DB	1/2	1301	15"	0.5	15.2	2,587	2,402	2,190	1,939	—	481479	106	**2845.00**
X90-797	5BDD15FB-A	1	1639	15"	1	20	3,259	3,112	2,965	2,791	2,392	481488	114	**3345.00**
X90-799	5BDD16DB-A	1/2	1100	16-1/2"	0.48	13.4	2,825	2,597	2,330	1,999	—	481479	106	**3545.00**
X90-801	5BDD16EB	3/4	1261	16-1/2"	0.72	16.8	3,235	3,036	2,817	2,579	1,877	481489	113	**3399.00**
X90-805	5BDD18DB	1/2	928	18-1/4"	0.5	11	3,432	3,120	2,754	2,264	—	481479	123	**3645.00**
X90-807	5BDD18FB	1	1169	18-1/4"	1	16.7	4,324	4,075	3,815	3,520	2,726	481488	132	**3699.00**
X90-811	5BDD20DB	1/2	800	20"	0.5	11.2	3,817	3,406	2,942	2,220	—	481479	130	**4499.00**
X90-813	5BDD20FB-A	1	1008	20"	1	17.1	4,810	4,484	4,149	3,786	1,186	481488	141	**4599.00**
X90-815	5BDD20GB	1-1/2	1154	20"	1.5	22	5,506	5,222	4,938	4,636	3,913	481487	147	**4299.00**
X90-818	5BDD24DB-A	1/2	577	24-1/2"	0.51	11.7	4,938	4,233	3,253	—	—	481479	149	**5099.00**
X90-820	5BDD24FB-A	1	727	24-1/2"	1.01	18	6,222	5,692	5,069	4,266	—	481488	157	**5145.00**
X90-822	5BDD24GB	1-1/2	832	24-1/2"	1.52	19.6	7,121	6,659	6,148	5,554	—	481487	164	**5199.00**
X90-827	5BDD30FB-A	1	519	30"	1.01	13	8,150	7,188	6,084	—	—	481488	429	**9999.00**
Three-Phase 208-220/440V														
X90-796	5BDD15DX-A	1/2	1301	15"	0.5	15.2	2,587	2,402	2,190	1,939	—	481451	106	**3045.00**
X90-802	5BDD16EX-A	3/4	1261	16-1/2"	0.72	16.8	3,235	3,036	2,817	2,579	1,877	481474	113	**3745.00**
X90-806	5BDD18DX-A	1/2	928	18-1/4"	0.5	11	3,432	3,120	2,754	2,264	—	481451	123	**3845.00**
X90-808	5BDD18FX-A	1	1169	18-1/4"	1	16.7	4,324	4,075	3,815	3,520	2,726	481468	132	**3799.00**
X90-809	5BDD18GX-A	1-1/2	1338	18-1/4"	1.5	21	4,949	4,732	4,515	4,268	3,712	481872	134	**4045.00**
X90-810	5BDD18HX-A	2	1473	18-1/4"	1.98	24	5,448	5,251	5,054	4,848	4,381	481880	135	**4399.00**
X90-814	5BDD20FX-A	1	1008	20"	1	17.1	4,810	4,484	4,149	3,786	1,186	481468	141	**4545.00**
X90-817	5BDD20HX-A	2	1270	20"	2	24	6,060	5,802	5,544	5,275	4,685	481880	144	**5099.00**
X90-819	5BDD24DX-A	1/2	577	24-1/2"	0.51	11.7	4,938	4,233	3,253	—	—	481451	149	**5099.00**
X90-821	5BDD24FX-A	1	727	24-1/2"	1.01	18	6,222	5,692	5,069	4,266	—	481468	157	**5199.00**
X90-823	5BDD24GX-A	1-1/2	832	24-1/2"	1.52	19.6	2,121	6,659	6,148	5,554	—	481872	164	**5345.00**
X90-824	5BDD24HX	2	916	24-1/2"	2.03	22	7,839	7,421	6,984	6,476	5,195	481880	164	**5445.00**
X90-828	5BDD30FX	1	519	30"	1.01	13	8,150	7,188	6,084	—	—	481468	429	**10500.00**
X90-829	5BDD30HX-A	2	653	30"	2	17.5	10,254	9,493	8,708	7,826	—	481880	434	**10500.00**
X90-833	5BDD36HX-A	2	470	36-1/2"	2.15	17.8	13,908	12,718	11,284	9,030	—	481880	460	**12900.00**
X90-834	5BDD36KX-A	5	637	36-1/2"	5.35	29	18,850	17,972	17,094	16,023	13,469	481881	481	**13500.00**



	Dimensions (In.)				Optional Accessories	
Wheel Diam. (In.)	A	B	C	D	Exhaust Damper Order #	Roof Curbs Non-Vented Order #
10-1/2	19	25-3/4	22-7/8	3	X89-850	X90-735
12-1/4	22	28	23-3/8	3	X89-854	X90-737
13-1/2	22	29-3/4	24-5/8	3-1/4	X89-854	X90-737
15	26	31-11/16	27-3/8	3-3/4	X89-856	X90-740
16-1/2	26	33-11/16	27-3/4	4-3/16	X89-856	X90-740
18-1/4	30	36	29-5/8	4-3/4	X90-739	X90-743
20	30	38-1/4	30-1/4	5-1/4	X90-739	X90-743
24-1/2	34	44-1/4	33	6-11/16	X90-742	X90-745
30	42	51-7/16	37-1/2	8-13/32	X90-747	—
36-1/2	46	60	41-5/8	10-1/2	X90-749	X90-753

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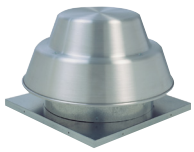


Centrifugal Direct Drive Downblast Exhaust Ventilators

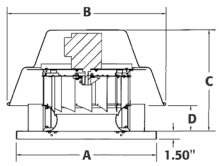
- Designed for low to moderate static pressure in industrial and commercial applications where steady exhaust is required
- Roof or wall mount applications
- Features spun aluminum housing construction, steel support braces, backward inclined aluminum wheel, externally cooled motor compartment, birdscreen, junction box, welded curb corners and maximum operating inlet temperatures up to 170°F
- Open drip proof motors, single-phase, 115V, except **X90-891**, **X90-894**, **X90-895** are 115/230V

Performance shown is for installation type A: free inlet, free outlet. Performance ratings include the effects of birdscreens in the airstream.

Speed (RPM) shown is nominal and performance shown is based on actual speed of test.

The sound ratings shown are loudness values in fan sones at 5-ft. (1.5M) in a hemispherical free field calculated per AMCA Standard 301. Values shown for ventilators listed are for installation type A: free inlet fan sone levels.

Order #	Mfg. #	HP	RPM	Amps	Wheel Diam.	Sones @ 0.250" SP	CFM @ 0.000" SP	CFM @ 0.250" SP	CFM @ 0.500" SP	CFM @ 1.000" SP	CFM @ 1.250" SP	OEM Replacement Motor	Speed Control Order #	Shipping Wt. Lbs.	Each
X90-885	5DDD085A	1/25	1661	1.5	8"	5.9	414	259	—	—	—	481456	X71-282	39	**805.00**
X90-886	5DDD106A	1/20	1150	1.7	10-1/2"	5.0	645	309	—	—	—	481896	X71-282	44	**995.00**
X90-887	5DDD10AA	1/6	1720	2.3	10-1/2"	9.1	985	824	619	—	—	481894	X71-282	46	**1099.00**
X90-889	5DDD12CA	1/3	1694	4	12-1/4"	14.9	1,743	1,605	1,475	1,137	889	482578	G22-957	58	**1399.00**
X90-891	5DDD13DB	1/2	1684	6.2/3.1	13-1/2"	17.1	2,226	2,102	1,970	1,657	1,469	481505	G22-692	67	**1799.00**
X90-893	5DDD15CA	1/3	1124	4.4	15"	11.1	2,160	1,930	1,645	767	—	481510	G22-957	73	**2045.00**
X90-894	5DDD16DB	1/2	1143	6.2/3.1	16-1/2"	14.2	2,914	2,660	2,389	1,493	—	481500	G22-692	84	**2199.00**
X90-895	5DDD18EB	3/4	1106	8.4/4.2	18-1/4"	19.2	4,037	3,766	3,476	2,765	1,407	481511	G22-692	96	**2599.00**



	Dimensions (In.)				Optional Accessories	
Wheel Diam. (In.)	A	B	C	D	Exhaust Damper Order #	Roof Curbs Non-Vented Order #
8	19	18-7/8	13-1/4	3-1/2	X89-850	X90-735
10-1/2	19	22-3/8	16-1/2	3-3/8	X89-850	X90-735
12-1/4	22	24-1/4	17-1/8	4	X89-854	X90-737
13-1/2	22	25-5/8	18-1/8	4-3/8	X89-854	X90-737
15	26	27-7/8	18-1/2	4-3/8	X89-856	X90-740
16-1/2	26	28	20-1/4	4-3/4	X89-856	X90-740
18-1/4	30	30-3/5	21-3/8	4-5/8	X90-739	X90-743

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Axial Direct Drive Downblast Exhaust Ventilators

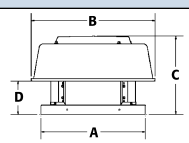
- Designed for steady exhaust air applications under low to moderate static pressures
- 10", 12", and 16" models are wall mountable
- Fully rolled windband for added strength and stability
- Spun aluminum hood construction
- Venturi, inlet and supports are galvanized
- Maximum operating inlet temperature up to 140°F
- All units require single-phase power
- 115V
- Fixed mounting curbs and dampers are available separately
- Speed controllable

Performance ratings include the effects of appurtenances in the air stream. Performance shown is for installation type A: free inlet, free outlet.

Speed (RPM) shown is nominal and performance shown is based on actual speed of test.

The sound ratings are loudness values in fan sones at 5 Ft (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: free inlet sone levels. (Free outlet sone levels on supply models.)

Order #	Mfg. #	HP	RPM	Amps	Prop. Diam.	Sones @ 0.250" SP	CFM @ 0.000" SP	CFM @ 0.250" SP	CFM @ 0.500" SP	CFM @ 0.750" SP	CFM @ 1.000" SP	OEM Replacement Motor	Speed Control Order #	Shipping Wt. Lbs.	Each
X90-775	5ADE102A	1/30	1759	0.9	10"	9.3	547	269	—	—	—	481462	X71-282	35	**979.00**
X90-777	5ADE12BA	1/4	1765	2.3	12"	10.8	1,423	993	644	225	—	481520	X71-282	54	**1299.00**
X90-780	5ADE16EA	3/4	1730	4.5	16"	16.5	2,767	2,367	1,958	1,377	936	481897	G22-957	68	**1899.00**



	Dimensions (In.)				Optional Accessories	
Prop. Diam. (In.)	A	B	C	D	Exhaust Damper Order #	Roof Curbs Non-Vented Order #
10	19	23-5/8	13-3/8	5-1/2	X89-850	X90-735
12	22	28	15-1/2	6-1/2	X89-854	X90-737
16	26	33-1/4	16-1/2	6-1/8	X89-856	X90-740

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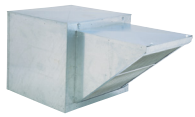
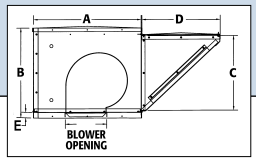
Centrifugal Belt Drive Filtered Supply Ventilators

- Designed to provide filtered supply air in industrial and commercial applications
- Includes one set of 1" washable aluminum filters
- Lifting lugs are standard on all sizes
- Permanently lubricated maintenance-free bearings
- Galvanized metal housing and base
- Roof or wall mountable (15" models are roof mount only)
- 120/130V
- All ventilators are UL Standard 705 listed power ventilators
- All motor and drive packages comply with the minimum efficiency levels of EPAct '92; affected motors bear the seal
- Variable pitch motor sheaves allows for 25% speed/CFM reduction
- Shipped completely assembled with motor and drive package
- Power ratings (BHP) do not include drive losses

Performance ratings include the effects of filters in the airstream. Performance shown is for installation type B: free inlet, ducted outlet.



Order #	Mfg. #	HP	Wheel Diam.	RPM	Max. BHP	LWA 0.250" SP	CFM @ 0.250" SP	CFM @ 0.500" SP	CFM @ 0.750" SP	CFM @ 1.000" SP	OEM Replacement Motor	Shipping Wt. Lbs.	Each
X90-919	5FSU10DB	1/2	10"	870	0.58	82	2,000	1,558	334	—	481513	190	**4699.00**
X90-921	5FSU10FB	1	10"	1090	1.13	84	2,679	2,368	2,011	1,420	481488	202	**4899.00**
X90-933	5FSU15GB	1-1/2	15"	745	1.56	81	4,216	3,616	2,780	1,079	481487	311	**6745.00**



Wheel Diam. (In.)	Blower Opening (In.)	Dimensions (In.) A	B	C	D	E	Optional Accessories Roof Curbs Non-Vented* Order #
10	11-3/8 x 13-3/8	30	25	21	22	1-1/2	X90-743
15	15-7/8 x 18-5/8	34-1/2	32	26	30	2	X90-745

Shutter Mounted Exhaust Fans

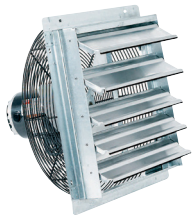
- Designed for through-the-wall, low static pressure ventilation of stores, offices, factories, shops and farm buildings
- Heavy-duty guards have corrosion-resistant gray polyester coating
- 7" to 24" diameter aluminum blade propellers; 30" and 36" diameter galvanized steel blade propellers; 7" to 24" diameter are speed controllable
- Totally enclosed sleeve or ball bearing 115V, 60 Hz motors
- Guards comply with OSHA regulations
- Shipped completely assembled with automatic shutters

Warning: OSHA-complying guards are required when fan is installed within 7 ft. of floor, working level or within reach of personnel. Review OSHA codes.

Performance shown is for installation type A: free inlet, free outlet. Performance ratings include effects of birdscreens in the airstream.

Speed (RPM) shown is nominal and performance shown is based on actual speed of test.

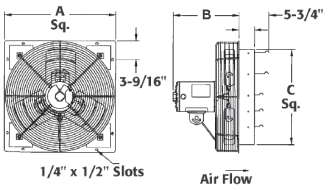
The sone ratings at 5-ft. in a hemispherical free field per AMCA Standard 301.



Order #	Mfg. #	Prop. Diam.	HP	RPM	F/L Amps	Sones @ 0.000" SP	CFM @ 0.000" SP	CFM @ 0.125" SP	CFM @ 0.250" SP	Shipping Wt. Lbs.	OEM Replacement Motor	Each
Shutter Mounted (Speed Controllable)												
X89-835	2SHE0721	7"	1/30	1550	1.4	4.8	142	—	—	9	481457	**385.00**
X89-836	2SHE1021	10"	1/30	1550	1.4	6.6	583	283	—	10	481457	**405.00**
X89-837	2SHE1221	12"	1/30	1550	1.4	7.6	800	469	—	12	481457	**425.00**
X89-838	2SHE1621	16"	1/20	1550	1.5	8	1,095	722	—	19	481531	**555.00**
X89-839	2SHE1871	18"	1/15	1075	1.2	8.4	1,862	850	—	28	480351	**749.00**
X90-676	2SHE20B1W	20"	1/4	1075	4.6	11.3	2,832	2,254	1,234	37	482050	**1045.00**
X90-677	2SHE24B1W	24"	1/4	1075	3.7	11.7	3,241	2,485	1,111	43	481931	**1099.00**
Shutter Mounted (Single Speed)												
X90-678	2SHE30C1	30"	1/3	825	4.4	13.5	6,076	4,195	2,150	54	481831	**1445.00**
X90-679	2SHE36D1	36"	1/2	825	5.6	14.7	8,226	6,482	2,935	64	481501	**1545.00**

see dimensions and accessories on next page

VENTILATORS
Shutter Exhaust



Prop. Diam. (In.)	Dimensions (In.) A (Sq.)	B	C	Square Opening Req'd. (In.)	Optional Accessories: Speed Controller Order #	Optional Accessories: Weatherhood Order #
Shutter Mounted (Speed Controllable)						
7	11-1/8	4-15/16	8	8-1/2	X71-282	—
10	13-1/8	5-9/16	10	10-1/2	X71-282	—
12	15-1/8	6	12	13	X71-282	—
16	19-1/8	6-1/2	16	17	X71-282	—
18	21-1/8	8-3/4	18	18-1/2	X71-282	—
20	23-1/8	12-1/8	20	21	G22-957	—
24	27-1/8	11-13/16	24	25	G22-957	X90-516
Shutter Included (Single-Speed)						
30	33-1/8	13-1/8	30	31	—	X90-521
36	39-1/8	13-1/8	36	37	—	—

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Roof Exhaust Backdraft Dampers



- Blades open when ventilator comes on, close when airflow stops
- Galvanized 19-gauge, 2" deep steel frame with 1" flange
- Aluminum blades have felted edges for quiet operation

Order #	Size	Recommended Wall Opening	Outside Flange Dimensions	Emerson Stock #	Shipping Wt. Lbs.	Each
X89-850	12" x 12"	12-1/2" x 12-1/2"	14" x 14"	5ACC12RD	5	**85.00**
X89-854	15" x 15"	15-1/2" x 15-1/2"	17" x 17"	5ACC15RD	6	**109.00**
X89-856	19" x 19"	19-1/2" x 19-1/2"	21" x 21"	5ACC19RD	8	**125.00**
X90-739	23" x 23"	23-1/2" x 23-1/2"	25" x 25"	5ACC23RD	9	**155.00**
X90-742	27" x 27"	27-1/2" x 27-1/2"	29" x 29"	5ACC27RD	13	**175.00**
X90-747	35" x 35"	35-1/2" x 35-1/2"	37" x 37"	5ACC35RD	20	**255.00**
X90-749	39" x 39"	39-1/2" x 39-1/2"	41" x 41"	5ACC39RD	26	**295.00**

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Fixed Curbs



- 16-gauge galvanized steel construction with welded corners
- Top flange surface includes 1-1/2" wide wood nailer
- Canted design allows for wraparound installation of roofing material for leak-proof installation
- Shutter flanges are included
- 8" and 12" tall roof curbs

Order #	Mfg. #	Curb Square ID	Curb Square OD	Height	Shipping Wt. Lbs.	Each
X90-735	5ACC17FS	14-1/2"	17-1/2"	8"	21	**335.00**
X90-737	5ACC20FS	17-1/2"	20-1/2"	8"	24	**389.00**
X90-740	5ACC24FS	21-1/2"	24-1/2"	8"	29	**409.00**
X90-743	5ACC28FS	25-1/2"	28-1/2"	8"	37	**435.00**
X90-745	5ACC32FS	29-1/2"	32-1/2"	8"	42	**465.00**
X90-753	5ACC44FS	41-1/2"	44-1/2"	8"	66	**685.00**
X91-027	5ACC17FT	14-1/2"	17-1/2"	12"	27	**415.00**
X91-028	5ACC20FT	17-1/2"	20-1/2"	12"	32	**455.00**
X91-029	5ACC24FT	21-1/2"	24-1/2"	12"	38	**479.00**
X91-030	5ACC28FT	25-1/2"	28-1/2"	12"	47	**519.00**
X91-031	5ACC32FT	29-1/2"	32-1/2"	12"	54	**569.00**
X91-032	5ACC40FT	37-1/2"	40-1/2"	12"	70	**665.00**
X91-033	5ACC44FT	41-1/2"	44-1/2"	12"	84	**775.00**

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Ventilated Roof Curbs

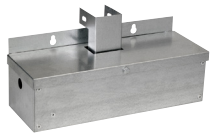
- Designed for use in commercial kitchen applications
- Galvanized steel ventilated curb with welded corners allows for quick ventilator installation
- Self-flashing
- Stamped louvers on curb sides allow hot exhaust ducts to ventilate, protecting building and roof members



Order #	Mfg. #	Inside Dimensions	Height	Length	Shipping Wt. Lbs.	Each
X90-736	5ACC17VC	14-1/2 Sq. In.	24"	17-1/2 Sq. In.	30	**589.00**
X90-738	5ACC20VC	17-1/2 Sq. In.	24"	20-1/2 Sq. In.	35	**645.00**
X90-741	5ACC24VC	21-1/2 Sq. In.	24"	24-1/2 Sq. In.	43	**665.00**
X90-744	5ACC28VC	25-1/2 Sq. In.	24"	28-1/2 Sq. In.	53	**695.00**
X90-746	5ACC32VC	29-1/2 Sq. In.	18"	32-1/2 Sq. In.	61	**755.00**
X90-751	5ACC40VC	37-1/2 Sq. In.	18"	40-1/2 Sq. In.	78	**845.00**
X90-754	5ACC44VC	41-1/2 Sq. In.	18"	44-1/2 Sq. In.	92	**939.00**

Grease Collector Boxes

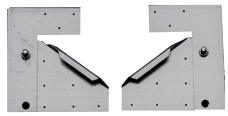
- Fastens to ventilator base
- Easy to remove for cleaning and maintenance
- Prevents heavy residual grease from collecting on the roof's surface



Order #	Mfg. #	Height	Width	Length	Shipping Wt. Lbs.	Each
X71-277	5ACC00GC	4"	5"	14"	10"	**279.00**
X89-848	5ACC01GC	5"	7"	24"	14"	**369.00**

Hinge Kits

- Allows entire fan to swing away for access to wheel and ductwork



Order #	Mfg. #	For Use With	Each
X71-278	5ACC00HK	10"– 20" Units	**239.00**
X89-849	5ACC01HK	24" – 36" Units	**1045.00**

Speed Controllers

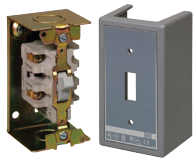
- Variable-speed controller permits 100% to 50% adjustment of air movement
- Rated 120V, 60 Hz
- Control is intended only for use with ventilators that are speed-controllable



Order #	Mfg. #	F/L Amps	Shipping Wt. Lbs.	Each
X71-282	5ACC03SC	3	1	**75.00**
X72-348	5ACC06SC	6	1	**99.00**

Non-Reversing Manual Disconnect Switch

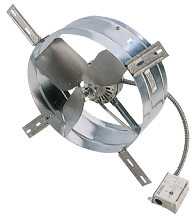
- Provides manual "On-Off" control of single- or three-phase fans and ventilators where overload protection is not required or is provided separately



Order #	Mfg. #	Enclosure Type	Max. HP VAC 115V	Max. HP VAC 230V	Max. HP VAC 460-575V	Poles	Res. Amps	Height	Width	Depth	Shipping Wt. Lbs.	Each
X71-280	5ACC02MS	NEMA1	2	7.5	10	3	30	4-1/4"	2-7/16"	2-3/4"	2	**749.00**

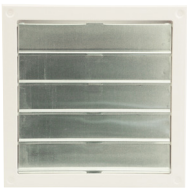
Gable Mount Power Attic Ventilators

- Automatic adjustable thermostat
- 14", four-paddle balanced aluminum fan blade
- Pre-assembled
- Installs from inside attic



Order #	Mfg. #	HP	CFM	Unit Type	Each
X89-550	VX2515	1/12	1,300	Vents Up To 1,900 Sq. Ft.	**175.00**
X89-515	VX2500	1/8	1,650	Vents Up To 2,400 Sq. Ft.	**239.00**

Ventamatic, Ltd.



Automatic Gable Shutter

- For use with all power gable ventilators
- High impact, one-piece ABS Cycolac® frame
- Aluminum louvers for quiet operation
- May be installed recessed or flush

Order #	Mfg. #	Each
X82-491	VX1818AM	**129.00**

Ventamatic, Ltd.

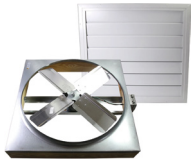


Solar Powered Gable Ventilator

- Quick and easy installation
- Fully assembled with no electrical wiring
- High impact tempered solar cell castings
- Silicon crystals
- 10 watts
- Ten-year warranty on panel
- Uses **X81-994** replacement solar panel

Order #	Mfg. #	Each
X92-425	VX2515SOLARGABLE VENT	**709.00**

Ventamatic, Ltd.



Ceiling Mount Whole House Fans

Choose from Direct Drive or Belt Drive

- Exhausts hot air in house and replaces with cooler outside air
- 24" to 36" blade size models available
- Sturdy metal frame attached to 1" x 3" wood frame
- Includes backdraft damper and installation video
- All come equipped with a two-speed PSC motor

Order #	Mfg. #	CFM	Prop. Diam.	Finished Ceiling Opening	Unit Type	Each
X90-271	CX242DDWT	4,600	24"	26" x 28"	Direct Drive Up To 1,500 Sq. Ft.	**529.00**
X90-272	CX302DDWT	7,500	30"	29-1/2" x 32-1/4"	Direct Drive Up To 2,500 Sq. Ft.	**589.00**
X90-250	CX30BD2SPD	7,800	30"	29-1/2" x 32-1/4"	Belt Drive Up To 2,500 Sq. Ft.	**725.00**
X90-274	CX36BD2SPD	9,700	36"	37-1/2" x 34"	Belt Drive Up To 3,200 Sq. Ft.	**809.00**

Ventamatic, Ltd.

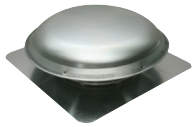


Motorized Metal Dome Roof Ventilators

- Low profile roof mount, with steel mesh grills to protect against insects, birds and rodents
- Adjustable thermostat with built-in safety features
- Galvanized steel dome
- 14” fan blade
- 115V

Order #	Mfg. #	CFM	Unit Type	Each
X92-791	VX1000AM	1,080	For Attics Up To 1,600 Sq. Ft. - 2 Year Warranty	**215.00**
X90-226	VX2414AM	1,200	For Attics Up To 1,700 Sq. Ft. - 2 Year Warranty	**205.00**
X92-792	VXVIPAMWG	1,400	For attic Up To 2,000 Sq. Ft. - 2 Year Warranty	**305.00**
X90-293	VXNRGTAMWG	1,400	For attic Up To 2,000 Sq. Ft. - Lifetime Warranty	**425.00**
X92-793	VXSVRAMWG	1,600	For Attics Up To 2,400 Sq. Ft. - 5 Year Warranty	**365.00**

Ventamatic, Ltd.

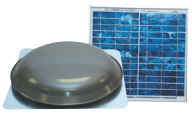


Static Roof Ventilator

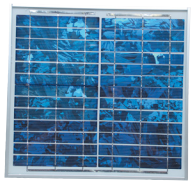
- For air intake and exhaust
- Galvanized steel construction
- Provides 144 sq. in. of net free air
- Equipped with bird and rodent screen
- Roof opening is 15" in diameter, low profile, 8"

Order #	Mfg. #	Each
X90-259	VX25	**99.00**

Ventamatic, Ltd.



A



B

Solar Powered Rooftop Ventilators

- 10 watt, 17V, thermally protected DC motor
- Provides up to 1,000 CFM
- 13" high efficiency blades
- Dome constructed of heavy-duty galvanized steel in attractive powder coated weathered gray finish
- Expanded steel mesh grill to protect against birds and rodents
- Five-year limited warranty on DC Motor

Fig.	Order #	Mfg. #	Unit Type	Each
A	**X92-424**	VX1000SOLARROOF	Solar Powered Rooftop Ventilator	**659.00**
B	**X81-994**	VXSOLAR PANEL	Replacement Solar Panel 10W 17V	**539.00**

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Dual Thermostat/Humidistat

Ventamatic, Ltd.

- Controls both temperature and humidity in attics
- Can control up to three power attic ventilators
- Adjusts temperature from 60°F to 120°F
- 120V



Order #	Mfg. #	Each
G35-912	XXDUOSTAT	**155.00**

Thermostats

Ventamatic, Ltd.

- 120V, 60 Hz control for most makes of residential power attic ventilators
- Automatic bimetal thermostat is adjustable with firestat automatic cutoff
- Adjustable from 65°F to 120°F
- Do not use on power attic ventilator motors that exceed 10A



Order #	Mfg. #	Each
G32-073	XXFIRESTAT	**55.00**
X72-147	XXSOLARSTAT	**115.00**

Eliminator™ Foundation Vent Fan

FIELDCONTROLS

- Reduces moisture problems in a crawl space including dry rot, fungus growth or moisture that can encourage termite infestation
- Air changes are increased dramatically for better moisture removal and control
- Galvanized steel housing mounts to new or existing crawl space vents
- Operates off a temperature switch which activates the motors at or above 50°F
- Requires one per 1,000 square feet of crawl space
- 115V
- Mounting plate dimensions 14-3/8" x 6-7/8"



Order #	Mfg. #	Description	CFM	Amps	Each
L86-872	46264901	EL-1 Crawl Space Vent	135	0.60	**355.00**

Eliminator™ Dehumidistat

FIELDCONTROLS

- Optional dehumidistat can be used to operate **L86-872** at varying levels of relative humidity
- Control can be wired in place of, or in series with, the standard temperature switch
- Adjustable from 20%–80%
- 115V
- Mounting plate dimensions 14-3/8" x 6-7/8"



Order #	Mfg. #	Description	CFM	Amps	Each
L40-716	46281500	EDH-1 Dehumidistat Control	135	0.60	**119.00**

UnderAire™ Crawl Space Exhaust Fans

- Ventilates excess moisture through existing passive vents, reducing mold, mildew and wood rot
- Increases air circulation to fight condensation
- Constant operation helps vent radon, treated wood off-gassing and odors that might otherwise migrate into living areas
- 120V, 20W motors
- Includes freeze protection thermostat which opens at 40°F
- 6' power cord



Order #	Mfg. #	Description	CFM	Each
X72-248	V1	Fan Only	110	**289.00**
X72-249	V1D	Includes Dehumidistat	110	**379.00**
X72-250	V2D	Dual Fan, Includes Dehumidistat	220	**499.00**

XchangeR™ Reversible Basement Fans

- Ventilates excess moisture through existing passive vents, reducing mold, mildew and wood rot
- Increases air circulation to fight condensation
- Constant operation helps vent radon, treated wood off-gassing and odors that might otherwise migrate into living areas
- 120V, 20W motors
- Includes freeze protection thermostat which opens at 40°F
- 6' power cord



Order #	Mfg. #	Description	CFM	Each
X72-251	X2D	Reversible With Dehumidistat	90-180	**975.00**
X72-252	X2R	Reversible Remote Mount	90-180	**915.00**

Dual Outlet Dehumidistat



- Dehumidistat control with 2 outlets, individual on/off switches and a 6' power cord
- Use with any corded fan used for dehumidification

Order #	Mfg. #	Each
X72-256	DH2P	**319.00**

ATMO Heat Recovery Ventilators



- Side port 6” duct connection
- Up to 200 cfm @ 0.4 in.wg.
- Integrated air-balancing taps
- Multi-speed operation
- Automatic defrost
- External electrical box
- Lightweight

Order #	Mfg. #	CFM @ 0.4" W.G.	Length	Width	Height	Wt. Lbs.
X93-534	ATMO 150H	162	11-11/16"	23-7/8"	21-7/16"	47
X93-536	ATMO 200H	200	16-5/8"	23-7/8"	21-7/16"	53

Hero Heat Recovery Ventilators



- 80% sensible recovery efficiency
- Innovative counterflow core provides exceptional performance
- Integrated MERV-8 filter
- Injected foam cabinet reduces noise
- Compact and easy to install

Order #	Mfg. #	CFM @ 0.4" W.G.	Length	Width	Height	Wt. Lbs.
X93-225	HERO120H	119	11-1/2"	23-1/4"	24-1/4"	21.3
X93-226	HERO150H	161	13-3/8"	27-7/8"	24-7/8"	26.6
X93-227	HERO200H	218	15-3/8"	27-7/8"	24-7/8"	28.8
X93-228	HERO150HEC	176	13-3/8"	27-7/8"	24-7/8"	26.5
X93-229	HERO250HEC	263	15-3/8"	27-7/8"	24-7/8"	28.2

Heat Recovery Ventilator



- For small and multi-family applications such as town houses, condos, and apartments
- Installs in spaces as small as 24 inches
- TurboTouch™ feature delivers up to 50% more exhaust capacity
- Convenient top port design with 4 5” oval collars
- Built-in defrost system
- Aluminum core
- Multi speed operation
- Electrostatic filters

Order #	Mfg. #	CFM @ 0.4" W.G.	Length	Width	Height	Wt. Lbs.
X92-850	FLEX100H	106	21-1/2"	14-1/2"	15-5/8"	39

Heat Recovery Ventilators



- Backward curved blade EBM™ motors
- Electrostatic filters
- Improved core guide channels for easy removal of core
- External screw type dry contacts
- Aluminum heat recovery core
- **X90-490** and **X90-491** include airflow balancing using Fantech’s “TRUE” motor adjustment feature

Order #	Mfg. #	CFM @ 0.4" W.G.	Length	Width	Height	Wt. Lbs.
X90-490	SHR 150R	142	30"	18"	22"	51
X90-491	SHR 200R	200	34"	25"	18"	66
X92-450	SHR260RD	267	27-7/8"	25-1/4"	21-1/2"	103

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Heat Recovery Ventilators

- Fan shutoff during defrost sequence
- Balancing damper provided
- Backward curved blade motors
- Electrostatic filters
- Aluminum heat recovery core
- External screw type dry contacts
- Improved core guide channels for easy removal of core
- **X91-015** and **X93-164** are compact HRV's which adds flexibility at installation and are ideal for applications where space is limited
- **X92-918** has 5" oval duct connections with integrated airflow measurement and automatic defrost mechanism for all year use
- **X92-919** has 6" oval duct connections with integrated airflow measurement and automatic defrost mechanism for all year use


A


B

Fig.	Order #	Mfg. #	CFM @ 0.4" W.G.	Length	Width	Height	Wt. Lbs.
A	**X93-164**	VHR70	57	22-1/2"	10-1/2"	17-1/4"	26
A	**X92-918**	VHR70R ES	58	22-1/2"	10-1/2"	17-1/4"	30
A	**X92-919**	VHR150	159	23-3/4"	17-1/4"	18-1/2"	45
B	**X91-015**	SH704	56	21"	10-1/2"	17-1/4"	25

Light Commercial Heat Recovery Ventilators

- Filters incoming fresh outdoor air before it enters the HRV cone where it is preheated by outgoing, stale, contaminated air
- Air may be distributed by direct ductwork specifically installed for HRV or through existing ductwork of forced-air system

Features:
- 120V, 3.9A, single-phase power



Order #	Mfg. #	CFM @ 0.25" W.G.	Length	Width	Height	Wt. Lbs.
X90-501	SHR700	690	36"	32"	24"	185
X92-453	SHR800	800	25-7/10"	35-3/5"	35"	198
X90-502	SHR1200	1,100	36"	47"	24"	240
X92-454	SHR1400	1,410	25-7/10"	51-2/5"	35"	276

Energy Recovery Ventilator

- Efficient energy transfer core
- Electrostatic filters
- External screw type dry contacts
- Powder coated, insulated cabinets
- External electrical box
- Balancing damper provided
- Provides fan shutoff for defrost sequence



Order #	Mfg. #	CFM @ 0.4" W.G.	Length	Width	Height	Wt. Lbs.
X92-456	SER260D	240	27-7/8"	25-3/8"	20-1/2"	198

ATMO Energy Recovery Ventilators

- Side port 6” duct connection
- Up to 200 cfm @ 0.4 in.wg.
- Integrated air-balancing taps
- Multi-speed operation
- Automatic defrost
- External electrical box
- Lightweight



Order #	Mfg. #	CFM @ 0.4" W.G.	Length	Width	Height	Wt. Lbs.
X93-533	ATMO 150E	160	11-11/16"	23-7/8"	21-7/16"	51
X93-535	ATMO 200E	200	16-5/8"	23-7/8"	21-7/16"	62

Low Profile Energy Recovery Ventilators

- Ideally suited for apartments and condos for installation in false ceilings
- Polymer membrane energy recovery core transfers heat and moisture from incoming air to cooled outgoing air
- All serviceable components are easily accessible
- Supply fan modulation for frost prevention
- Includes two washable electrostatic panel air filters
- No drain required



Order #	Mfg. #	CFM @ 0.4" W.G.	Length	Width	Height	Wt. Lbs.
X93-517	FIT70E	70	19-1/2"	18-1/2"	9-3/4"	29
X93-162	FIT120E	106	31-1/4"	19"	8-3/4"	42
X93-597	FIT120E-D	127	26"	25"	11"	37
X93-598	FIT120E-D-EC	129	26"	25"	11"	39

Honeywell Home

TrueFRESH™ Balanced Ventilation System

Heat and Energy Recovery Ventilators



- Streamlined, lightweight design is easy to lift, easy to hang and easier to fit in more applications
- Two variable-speed motors — one for the supply air stream and one for the return air stream — work with the integrated speed control so installers can adjust the speeds of each motor up and down with the touch of a button to easily balance the system
- Removable duct collars let you spend less time on the ladder by easily connecting the ductwork to the collars away from the unit before it's hung, and then sliding the collars back into place once ducted
- Meets ASHRAE 62.2 standards

Order #	Mfg. #	CFM @ 0.4" W.G.	Length	Width	Height	Wt. Lbs.
Heat Recovery Ventilators						
X92-897	VNT5070H1000	70	23-1/2"	16-1/4"	21-1/2"	40
X92-729	VNT5150H1000	150	11-7/10"	21-1/2"	23-9/10"	42
X92-731	VNT5200H1000	200	16-1/5"	21-1/2"	23-9/10"	58
Energy Recovery Ventilators						
X92-730	VNT5150E1000	150	11-7/10"	21-1/2"	23-9/10"	46
X92-732	VNT5200E1000	200	16-1/5"	21-1/2"	23-9/10"	68

Honeywell Home

Replacement Parts and Accessories for Honeywell TrueFRESH

Order #	Mfg. #	Description
X92-904	50053952-005	Replacement Filter Kit for VNT5150
X92-905	50053952-006	Replacement Filter Kit for VNT5200

Order #	Mfg. #	Description
L47-615	50053952-020	TrueFRESH Ventilation Timer

AprilAire

Fresh Air Ventilators



A



B

- Units are designed, when properly installed, to achieve ASHRAE Standard 62.2 2010
- Complies with 2012 & 2015 IECC (2.8 CFM/Watt)
- Control is integrated into the ventilator
- High and low temperature limit lock-outs while maintaining ASHRAE 62.2 2010
- Simple plug-in installation
- Installation temperature range up to 160°F
- Removable, washable filter
- 115V

Fig.	Order #	Mfg. #	Description	CFM	CFM @ 0.25" W.G.	CFM @ 0.4" W.G.	Length	Width	Height	Wt. Lbs.	Each
A	**X82-754**	8145	With Powered Damper and Filter	120-210	172.5	150	23-2/5"	12-1/4"	11-3/4"	15	**709.00**
B	**X83-736**	8145K	With Powered Damper and Filter - Retrofit Kit	120-210	172.5	150	23-2/5"	12-1/4"	11-3/4"	15	**1145.00**
A	**X82-755**	8141	With Backdraft Damper and Filter	25-285	250	195	27-4/5"	14-2/5"	11-9/10	32	**799.00**

AprilAire

Energy Recovery Ventilator

NEW



- Provides a constant and controlled supply of fresh air year-round
- 1.45cfm/watt and SRE of 72% provide efficient, effective energy recovery ventilation
- Helps remove moisture from incoming air
- 118 cfm at 0.30" w.c. external pressure
- Reduces indoor air pollution
- Ceiling, wall, and floor mounting capable
- Intermittent control with patented temperature and humidity lockouts available with 8120X control or AprilAire Thermostats
- Equipped with 4' power cord
- Meets IECC 2021 ventilation requirements

Order #	Mfg. #	Description	CFM	CFM @ 0.25" W.G.	CFM @ 0.4" W.G.	Length	Width	Height	Volts	Amps	Wt. Lbs.
X93-623 ◀	V22BEC	Energy Recovery Ventilator	120	119	115	27.5"	9.0"	23.13"	120	1.3	50

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Intelli-Balance™ 100 Energy Recovery Ventilators

Panasonic

- Engineered for use in any North America Climate Zone
- Two (2) revolutionary DC motors with Smart Flow™ technology ensure optimum CFM output
- Pick-A-Flow speed selector (50 to 100 CFM) provides customizable airflow to create balanced, positive or negative pressure within the home
- Exclusive built-in ASHRAE 62.2 timing function helps ensure code compliance
- MERV 8 filter included; optional MERV 8 and MERV 13 replacements available
- Patented exchange capillary core recovers heat and moisture
- Connect to existing ductwork or use as a standalone, whole-house ventilation solution
- Wall or ceiling mount capability
- Can be used to meet green building code requirements and helps minimize the impact to your HERS index



Order #	Mfg. #	Description	CFM	Duct Size	Energy Star	Each
Fan - Corded						
X83-896	FV-10VEC2R	Any Climate Mirror Model	50 to 100	4" or 6"	—	**2345.00**
X83-300	FV-10VEC2	Any Climate	50 to 100	4" or 6"	Y	**2345.00**
X83-301	FV-10VE2	Temperate Climate	50 to 100	4" or 6"	Y	**2199.00**
Fan - Hardwired						
X83-924	FV-10VEC2RH	Any Climate Mirror Model	50 to 100	4" or 6"	Y	**2345.00**
X83-925	FV-10VEC2H	Any Climate	50 to 100	4" or 6"	Y	**2345.00**
X83-926	FV-10VE2H	Temperate Climate	50 to 100	4" or 6"	Y	**2199.00**
Accessories						
L50-806	FV-FL0810VE1	MERV 8 Filter	—	—	—	**85.00**
L50-807	FV-FL1310VE1	MERV 13 Filter	—	—	—	**95.00**

Intelli-Balance™ 200 Energy Recovery Ventilator

Panasonic

- Multi-speed selector (60 to 200CFM) provides customizable supply and exhaust airflow to create balanced, positive or negative pressure within a residential or commercial space
- Two (2) powerful ECM motors with Smart Flow™ technology ensure predictable airflow outputs up to .40" w.g. of static pressure
- Occupant controllable Boost function provides increased ventilation on demand
- Designed for single family dwellings and new airtight envelopes built to meet energy efficiency standards
- Engineered for use in any North America Climate Zone
- Core material permeated with anti-mold treatment
- Built-in ASHRAE 62.2 intermittent timing function helps ensure code compliance and simplifies the installation process
- MERV 13 filter included for superior air filtration; MERV 13, MERV 8 and HEPA filter replacements available
- Can be used to meet Green Building Standards and contribute to better HERS/ERI scores
- Compatible with the intelligent Cosmos™ Healthy Home System to help automatically maintain a healthy indoor environment
- Powder coat finish for a professional look from a professional installer



Order #	Mfg. #	Description	CFM	Duct Size	Each
Fan					
X83-830	FV-20VEC1	Ventilator	200	6"	**5045.00**
Accessories					
X83-831	FV-SW20VEC1	LCD Wall Control	—	—	**525.00**
L51-124	FV-FL0820VE1	MERV 8 Filter	—	—	**215.00**
L51-123	FV-FL1320VE1	MERV 13 Filter	—	—	**235.00**
L51-125	FV-FLHP20VE1	HEPA Filter	—	—	**255.00**

MODEL to PART

Critical Parts When You Need Them

Try it Today

Note: Must have a Johnstone Supply account

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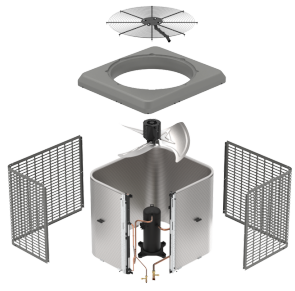
+ Thousands of new products added including Trane and Carrier
+ Original, Aftermarket & Universal Part Options
+ Real-Time Pricing & Availability



Panasonic

WhisperComfort™ Energy Recovery Ventilator



- Sensible Recovery Efficiency 70% at 32°F
- Total Recovery Efficiency 60% at 95°F
- Multi-speed selector (20 to 50 CFM) provides customizable airflow
- Occupant controllable Boost function moves fan speed to 60 CFM when activated
- Engineered for use in virtually any North America Climate Zone
- High efficiency capillary core recovers heat and helps maintain desired moisture levels inside
- Two powerful DC Panasonic ECM motors provide quiet and efficient airflow
- Uses **L50-807** MERV 13 replaceable filters for superior air filtration
- Core material permeated with anti-mold treatment to help prevent mold
- Separate control of supply and exhaust airflow
- WhisperVent™ Wall Cap allows for supply and exhaust air through one building penetration - up to 100 CFM each side
- Can be used to comply with the latest green building codes and standards
- HVI certified for energy recovery and sound
- Static pressure access ports make it easy for raters to verify airflow for ASHRAE 62.2 compliance
- Suitable for new/remodel, single-family/ multi-family, energy efficient projects

Order #	Mfg. #	Description	CFM	Duct Size	Each
Fan					
X83-927	FV-06VE1	Ventilator	20 - 50	4' or 5"	**1145.00**
Accessories					
X83-958	FV-WC10VE1	Split Exterior Wall Cap	—	—	**255.00**

fantech® a systemair company

Multi-Function Controls

- Wired wall control options for controlling all newer Fantech fresh air appliances



A



B



C

Fig.	Order #	Mfg. #	Description	Each
A	**X72-339**	EDF3	Electronic Multi-function Push Button Controller	**125.00**
B	**X72-340**	EDF8	20/40/60 Minute Wired Timer	**209.00**
C	**X72-341**	RTS4	Electronic Multi-function Dehumidistat	**109.00**

fantech® a systemair company

ECO-Touch IAQ Programmable Wall Controls



A



B

- Compatible with newer Fantech HRV, ERV & Flex series ventilators
- Four wire installation
- Senses indoor Relative Humidity (RH), volatile organic compounds (VOC's) and outdoor incoming temperature to find the right balance between good air quality and lower energy consumption

Fig.	Order #	Mfg. #	Description	Each
A	**X72-320**	ECO-TOUCH IAQ	Features: Dedicated Indoor Air Quality (IAQ) Sensor; LCD backlit touch screen	**359.00**
B	**X72-321**	RTS-W TIMER	Features: Wireless push button (20-40-60min) timer for on-demand boost ventilation; Communicates to ECO-Touch IAQ	**105.00**

fantech® a systemair company

ECO-Feel IAQ Control



- ECO mode selects the best operating mode and speed for the season, minimizing energy use associated with ventilation
- Dedicated Indoor Air Quality (IAQ) Sensor and Indoor Relative Humidity (RH) sensor
- Integrated VOC sensor
- Targets maintaining a 45% indoor relative humidity via ventilation, when possible
- Absolutely no user input or configuration required to operate effectively

Order #	Mfg. #	Each
X72-322	ECO-FEEL	**295.00**

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Pushbutton Timers

For Fantech HRV and ERV Units

- Activates system to run in continuous mode for 20, 40 or 60 minutes
- Includes wall plate & LED indicator light
- Install in bathrooms, kitchens and laundry rooms



Order #	Mfg. #	Description	Each
X71-270	RTS 2	20 minute timer - 2 Wire - old models	**55.00**
X72-300	RTS5	20/40/60 minute - 2 wire - new models	**99.00**

Accessories

For Fantech HRV and ERV Units

Order #	Mfg. #	Description	Each
X71-274	CG4	Adjustable Plastic Exhaust Grill, Fits 4" Duct	**44.49**
X71-275	FEL 4	4" Elbow, Low Profile Plastic, Fits in 2' x 4' Wall	**36.49**
X89-818	COM 6P	6" White Plastic Supply and Exhaust Hoods (Pair)	**135.00**

AireShare Room to Room Transfer Fan

- Make hot or cold rooms more comfortable
- Perfect companion to ductless split-system A/C and heaters
- Mounts between 16" on-center wall studs
- Quiet, vibration isolated cross-flow blower



Order #	Mfg. #	Description	Each
X89-972	AS1	16" Room to Room Hardwire Ventilator	**545.00**

Aireshare Level to Level Transfer Fan

- Make hot or cold rooms more comfortable
- Perfect companion to ductless split-system A/C and heaters
- Quiet, vibration isolated cross-flow blower
- Quickly install in floors or ceilings



Order #	Mfg. #	Description	Each
X82-251	ASLL	15" Level to Level Hardwire Ventilator	**785.00**

MOTOR FINDER

Find the Right Commercial IHP Motor and Save Time

- *Most Efficiency Way to Search Filter by Brand, Volts, HP and Other Features*
- *Compare Specifications Side by Side FZor up to Four Motors*
- *Real-Time Inventory and Pricing*

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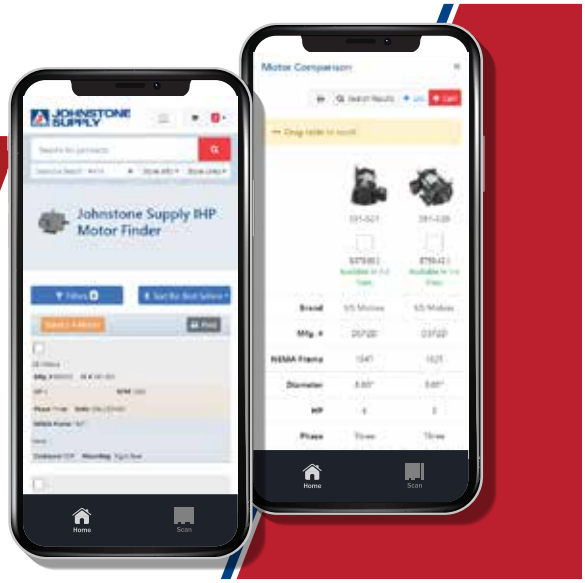
Must be logged into JohnstoneSupply.com to access



FASCO

Shaded Pole Blowers 45 to 480 CFM


A


B


C

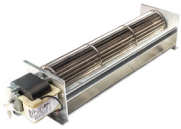

D


E


F


G


H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O

Fig.	Order #	Mfg. #	HP	Volts	RPM	F/L Amps	CFM	Outlet Flange	Wt. Lbs.	Each	3 Lot
A	**X89-340**	B45267	1/15	115	1300	2.90	460	Rectangular	11	**709.00**	**675.00**
B	**X89-704**	50769-D500	1/10	115	1400/1200	3.55	480	Rectangular	13	**1099.00**	**1045.00**
C	**X89-332**	50757-D500	1/80	115	1500	0.55	105	Rectangular	6.0	**655.00**	**619.00**
D	**X89-336**	50755-D500	1/40	115	1500	1.0	160	Rectangular	6	**525.00**	**495.00**
E	**X89-703**	50756-D500	1/40	115	1500	1.3	320	Square Flange	10	**955.00**	**909.00**
F	**X89-339**	B45227	1/18	115	1500	1.86	265	Rectangular	9	**555.00**	**525.00**
G	**X89-706**	B24220	1/25	115	2600	1.3	135	Rectangular	5	**499.00**	**475.00**
H	**X89-337**	B22507	1/75	115	2710	0.85	115	Trans Flow	4.0	**605.00**	**575.00**
I	**X89-705**	B22513	1/40	115	2780	1.3	215	—	5	**645.00**	**615.00**
J	**X89-306**	50747-D500	1/100	115	3000	0.52	60	Round	3.5	**395.00**	**375.00**
K	**X89-308**	B75	1/80	115	3000	0.59	75	Rectangular	3.8	**359.00**	**345.00**
L	**X89-303**	B30	1/70	115	3200	0.59	45	Rectangular	3.3	**435.00**	**415.00**
M	**X89-310**	50748-D500	1/65	115	3000	0.81	65	Round	4.8	**365.00**	**345.00**
N	**X89-702**	50752-D500	1/30	115	3100	1.1	135	Rectangular	6	**545.00**	**519.00**
O	**X89-707**	B45230	1/20	208-230	1600/1400	1.2	460	Square Flange	9	**835.00**	**795.00**

Hundreds of Thousands of OEM Solutions at Your Fingertips
For all of your AC needs *supporting you from installation and beyond*

YORK INSTALL CONFIDENCE · PARTNERS choice Universal HVAC Parts & Accessories · ARMSTRONG AIR The Professional's Choice · Coleman HEATING AND AIR CONDITIONING · AO Smith · Goodman Air Conditioning & Heating
SOURCE 1 HVAC Service Parts · FRIEDRICH · Amana Heating & Air Conditioning · FUJITSU · ALLIED Air Enterprises · DAIKIN



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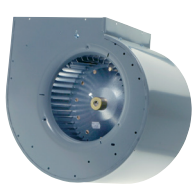
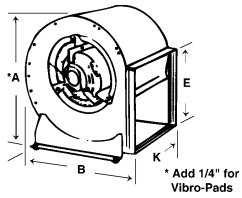
Blower Assemblies Less Motors

- Includes complete blower assemblies without motors
- Adjustable motor mounting bracket
- Universal housing supports and Vibro-Pads (type “DD” are direct drive units, type “BD” are belt drive units)
- Lau Model # indicates blower wheel size

Note: When using a motor above 1 HP, a special mounting bracket and bearing may be required: Refer to instructions supplied with blowers.





Order #	Mfg. #	Model #	K	E	A	B	Type	Bore	Wt. Lbs.	Each	2 Lot
X90-135	38251301M	DD9-7A	9-3/16"	10-1/4"	17"	14-15/16"	DD	1/2"	17	**589.00**	**565.00**
X90-136	38251302M	DD9-9A	11-7/8"	10-1/4"	17"	14-15/16"	DD	1/2"	19	**589.00**	**565.00**
X90-137	38251303M	DD10-8A	10-1/2"	11-3/8"	18-7/8"	16-1/2"	DD	1/2"	21	**679.00**	**645.00**
X90-138	38251304M	DD10-10A	13-1/16"	11-3/8"	18-7/8"	16-1/2"	DD	1/2"	26	**699.00**	**665.00**
W89-800	02484028M	DD12-9A	12-1/4"	13-7/16"	21-7/8"	19-3/8"	DD	1/2"	22	**885.00**	**839.00**
W89-801	0574300002M	A9-7ACE	9-3/16"	10-1/4"	15-7/16"	14-15/16"	BD	3/4"	19	**1145.00**	**1099.00**
W89-802	0574300003M	A9-9ACE	11-7/8"	10-1/4"	15-7/16"	14-15/16"	BD	3/4"	22	**1145.00**	**1099.00**
W89-803	0574310002M	A10-8ACE	10-1/2"	11-3/8"	17-1/4"	16-1/2"	BD	3/4"	23	**1299.00**	**1199.00**
X90-210	0574310003M	A10-10ACE	13-1/16"	11-3/8"	17-1/4"	16-1/2"	BD	3/4"	26	**939.00**	**895.00**
W89-804	3824340022M	A12-9ACE	12-3/8"	13-7/16"	20-7/16"	19-5/16"	BD	1"	39	**1645.00**	**1545.00**
X90-211	38243420M	A12-12ACE	15-3/4"	13-7/8"	20-7/16"	19-5/16"	BD	1"	44	**1445.00**	**1399.00**
X90-212	38208002M	A15-15ACE	18-5/8"	15-7/8"	24-1/8"	22-5/8"	BD	1"	67	**2245.00**	**2099.00**
X90-213	38243002M	A18-18ACE	21-7/8"	18-7/8"	29-3/16"	27"	BD	1"	103	**3545.00**	**3399.00**

Fresh Air Ventilation Systems with TrueZONE Dampers

- Designed to help meet local ventilation codes and standards, including ASHRAE 62.2-2010 standard
- Smart control optimizes air delivery by syncing ventilation calls with heating/cooling
- Easy-to-use input dials allow customized ventilation for each installation
- Test mode that includes immediate feedback to installer to confirm that air delivery requirements of selected ventilation standard are being met
- Economical supply-only ventilation; works with forced air system
- Can be used with other equipment, such as an HRV/ ERV, for balanced ventilation
- **X82-744** includes **G32-811** Ventilation controller, **L41-968** 24V Transformer and **L81-631** TrueZONE damper/actuator

Specifications:
- Electrical rating: 24VAC
- Airflow capacity: 50 to 160 CFM



A



B

Fig.	Order #	Mfg. #	Description	Each
A	**X82-744**	Y8150A1017	Fresh Air Ventilation System with TrueZONE Damper	**605.00**
B	**X83-020**	YTH8321WF1036	Fresh Air Ventilation Kit: Includes Wi-Fi VisionPRO with Ventilation Control, EARD6TZ TrueZONE Damper and Transformer	**1045.00**
B	**X83-021**	YTH8321WF1044	Fresh Air Ventilation Kit: Includes Wi-Fi VisionPRO with Ventilation Control, EARD8TZ TrueZONE Damper and Transformer	**1045.00**
—	**G32-811**	W8150A1001	Ventilation Control Only	**299.00**

Our partnerships were not built in a day or with a single project, but over time.

It’s not about a quick sale, a low price or giveaways. It’s always been about relationships with you.



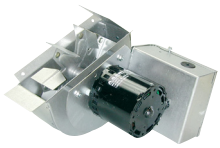
High Temperature Blowers and Draft Inducers



A



B



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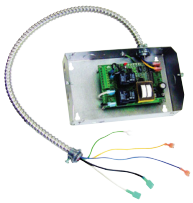

D

- Exhausts hazardous flue gases from furnaces, boilers, unit heaters and water heaters
- Used to improve burner combustion efficiency by overcoming back drafts, negative building pressure and minor sizing errors
- Sidewall power venters feature safety controls to prevent burner from firing until venter operation is proven
- UC-1 interlock contains adjustable pre and post purge, LED stater diagnostic indicators, proven switch check circuit and selectable voltage
- To vent low BtuH millivolt appliances use water heater venting package **X89-440**
- Plug-in connections
- **L43-992** is the standard interlock control for the full line of fixed speed venters, draft inducers and combustion air in-forcers
- **L43-992** is included with the **X89-438**, **X89-439** and **X81-964**
- **L43-993** is used in conjunction with the **L43-992** to interlock up to one additional 24 VAC, 115 VAC or millivolt controlled applicance

Note: Not for wood burning applications. Adapters are required to fit pipe sizes other than 4".

Fig.	Order #	Mfg. #	Description	Amps	RPM	Volts	Duct Size	Application	Max. Gas BtuH Input	Wt. Lbs.	Each
A	**X89-438**	HSJ	Sidewall Vent	1.26	3000	115	4"	Heaters	125,000	8	**1145.00**
A	**X89-439**	HS1	Sidewall Vent	1.26	3000	115	4" to 6"	Heaters	300,000	9	**1145.00**
A	**X81-964**	HS2	Sidewall Vent	1.51	3300	115	6" to 8"	Heaters	600,000	16	**1599.00**
A	**X72-253**	HS3	Sidewall Vent	2.7	1600	115	8"	Heaters	700,000	23	**2945.00**
A	**X72-254**	HS4	Sidewall Vent	5.8	1725	115	8" to 10"	Heaters	1,200,000	45	**3845.00**
—	**X89-446**	VP-2F	Sidewall Vent	0.80	3000	115	3" to 4"	Water Heaters	50,000	14	**1699.00**
B	**X89-443**	DJ-3	Draft Inducer	0.43	1550	115	3" to 6"	All Applications	111,000	8	**615.00**
B	**X89-444**	D-3	Draft Inducer	0.74	1550	115	5" to 8"	All Applications	360,000	10	**615.00**
C	**L43-992**	UC1	Universal Control	—	—	—	—	Accessory for All Applications	—	3	**469.00**
D	**L43-993**	MAC1E	Multiple Appliance Control	—	—	—	—	Used in Conjunction w/the UC1	—	3	**515.00**

Water Heater Control Module Kit



- Used with **X89-438** or **X89-439** when furnace and water heater are vented by a single power venter
- Features safety interlock
- Module contains gas pressure switch, spill switch and thermocouple junction adapter
- Factory pre-wired, color coded connections for simple installation
- Weight: 3 lbs.

Order #	Mfg. #	Each
X89-440	WHKE	**545.00**

Sidewall Vent Hoods



- Flow-through baffle, built-in 1" clearance from combustibles

Order #	Mfg. #	Description	Each
X89-441	VH1-3	3" Pipe	**375.00**
X89-442	VH1-4	4" Pipe	**465.00**
X81-965	VH1-6	6" Pipe	**485.00**

Fan Proving Switch for Draft Inducers



- Monitors pressure within draft inducer fan housing
- Motor or wheel failure decreases pressure, activates pressure switch, thus preventing combustion
- Simple installation; fixed set point
- Burner fires only after inducer operation is proved
- Mounting hardware included
- Weight: 1-1/2 lbs.

Order #	Mfg. #	Each
X89-445	PS1505	**285.00**

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Oil and Gas Furnace Power Venters

FIELDCONTROLS

- Vents combustion gases produced by 80%+ efficiency LP or natural gas and oil furnaces, boilers and water heaters
- Unique negative pressure design prohibits flue gas leakage
- For use in old chimneys with insufficient draft
- Combines the fan, motor and vent hood into one unit
- Designed for use down to -40°F and to overcome 40 MPH winds
- Designed for use in a damp environment with an aluminized steel enclosure
- Not for use with solid fuels such as wood, coal and waste oil
- See chart below for required control kit
- **X71-183** includes a 4" MG-1 draft control for gas applications
- **X89-554**, **X89-555** and **X71-184** are ETL approved
- **X89-859** kit includes SWG Power Venter, 4" MG1 Draft Control and CK-43F Control Kit; can be used with all 80+ gas draft induced furnaces from Amana, Armstrong, Bard, Carrier, Consolidated, Dunkirk, ICP, Lennox, Rheem, Trane and York


A


B


C


D


E

Fig.	Order #	Mfg. #	Description	Amps	RPM	Volts	Max. Gas BtuH Input	Max. Oil GPH Input	Each
A	**X89-554**	46275400	SWG-4HD Power Venter	1.7	3000	24/115	170,000	1.10	**1345.00**
A	**X89-555**	46230000	SWG-5 Power Venter	1.3	3100	24/115	290,000	1.85	**1645.00**
A	**X89-857**	46395401	SWG-4HDS Power Venter (Stainless)	1.7	3000	115	170,000	1.1	**1645.00**
A	**X89-858**	46395402	SWG-5S Power Venter (Stainless)	1.3	3100	115	290,000	1.85	**2099.00**
B	**X81-963**	46282620	CK-20FV Gas Control Kit	—	—	—	—	—	**585.00**
B	**X71-183**	46282643	CK-43F Gas Control Kit	—	—	—	—	—	**685.00**
B	**X71-291**	46399363	CK-63 Oil Control Kit	—	—	115	—	—	**965.00**
B	**X81-956**	46282691	CK-91FV Gas Control Kit	—	—	—	—	—	**1245.00**
C	**X71-990**	46220901	4" RC Oil Draft Control	—	—	—	—	—	**129.00**
C	**X71-292**	46207201	5" RC Oil Draft Control	—	—	—	—	—	**129.00**
C	**X71-179**	02722701	6" RC Oil Draft Control	—	—	—	—	—	**139.00**
C	**X71-184**	02723101	7" RC Oil Draft Control	—	—	—	—	—	**169.00**
C	**X89-860**	01845401	8" RC Oil Draft Control	—	—	—	—	—	**235.00**
D	**X82-812**	46198901	4-MG1 4" Gas Draft Control	—	—	—	—	—	**265.00**
D	**X81-962**	46210701	5-MG1 5" Gas Draft Control	—	—	—	—	—	**285.00**
D	**X81-961**	02724001	6-MG1 6" Gas Draft Control	—	—	—	—	—	**299.00**
D	**X81-960**	01804401	7-MG1 7" Gas Draft Control	—	—	—	—	—	**319.00**
E	**X89-859**	46205414	SWG-4G Power Venter Vent Kit	—	—	—	—	—	**1845.00**
-	**X81-959**	46234800	SWG-4HD RMK Replacement Motor Kit	—	—	—	—	—	**659.00**

Combustion Air Systems

FIELDCONTROLS

- **X89-861** and **X89-862** airboot kits come complete with 4" intake air hood, 4" vacuum relief valve and Field AirBoot®
- **X92-379**, **X92-380** and **X83-905** Fan-in-a-Can™ and Fan-in-a-Drum™ systems are designed to provide combustion air for appliances when direct connection to the burner is not possible
- **X92-379**, **X92-380** and **X83-905** are dual voltage for oil or gas applications


A


B

Fig.	Order #	Mfg. #	Description	Application	Max. Gas BtuH Input	Max. Oil GPH Input	Each
A	**X81-952**	46525600	CAS-2B	Beckett AFG or AF Burners	110,000 BTUH	Up to 2	**845.00**
A	**X89-861**	46268401	CAS-2C	Carlin EZ-1, CRD, FRD	—	Up to 2	**429.00**
B	**X89-862**	46268402	CAS-3	Any Oil Heating Appliance	—	Up to 3.25	**455.00**
B	**X83-905**	603400700	CAS-34U	Dual Voltage For Oil or Gas Applications	Up to 450,000 BtuH	Up to 3.25	**1345.00**
B	**X92-379**	46266303	CAS-6SK	Dual Voltage For Oil or Gas Applications	Up to 910,000 BtuH	Up to 6.50	**4845.00**
B	**X92-380**	46266304	CAS-7SK	Dual Voltage For Oil or Gas Applications	Up to 1,803,000 BtuH	Up to 12.88	**5299.00**

FIELDCONTROLS



ComboVents

- Combustion air, vent, all in one
- Extends through walls 8" to 14"
- Combustion air connection included
- Quick-connect electrical coupling
- Two piece backing plate
- Slotted hood with larger screws to save time during annual service
- Thermal protection

Order #	Mfg. #	Description	Amps	RPM	Volts	Max. Oil GPH Input 100 PSI	Max. Oil GPH Input 140 PSI	Each
X81-953	46521801	ComboVent CV-4	1.7	3000	115	1.1	0.9	**1799.00**
X81-954	46521802	ComboVent CV-5	1.3	3000	115	1.85	1.55	**2199.00**

FIELDCONTROLS

Thermal Safety Kits and Switches

- For use on gas fired heating appliances, water heaters and furnaces
- Manual reset switches to help eliminate continuous flue gas spillage
- Switches are for draft control or draft hood mounting
- Switches are single pole single throw type
- **X71-205** is a thermocouple adapter for use on 30 millivolt gas thermocouple powered gas valves for splicing into thermocouple circuit
- **X71-203** kit includes two **X71-202** (GSK-3) thermal safety switches, one 12-gauge jumper wire and one 6' length 12-gauge lead wire, comes with switch enclosure
- **X71-204** kit includes two GSK-4 thermal safety switches, one 12-gauge jumper wire and one 6' length of 12-gauge lead wire; switch enclosures not included
- **X71-293** is manual reset and designed for use with power venting and chimney vented systems for oil-fired applications



A



B



C



D



E

Fig.	Order #	Mfg. #	Description	Amps	Volts	Cutout Temp. °F	For Use With	Each
A	**X71-201**	01170006	FTS-6 Safety Switch	12/6	120/240	180°F	24/120/240VAC Over 400,000 Btu/Hr.	**285.00**
B	**X71-202**	46086400	GSK-3 Safety Switch	24VA	Milli/24	180°F	24VAC or Millivolt	**109.00**
C	**X71-203**	46111501	SSK-1 Switch Kit	24VA	Milli/24	180°F	24VAC or Millivolt	**229.00**
C	**X71-204**	46111503	SSK-3 Switch Kit	24VA	Milli/24	200°F	24VAC or Millivolt	**185.00**
D	**X71-205**	46082700	TCA-1 Thermocouple Adapter	—	—	—	Required Adapter for Millivolt Applications	**79.00**
E	**X71-293**	46086900	WMO-1 Oil-Fired Safety Switch	10	120 AC	—	Power Venting & Chimney Vented Systems	**269.00**

FIELDCONTROLS

Gas Vent Dampers



- Work to allow natural draft during appliance operation while preventing heat and conditioned air from escaping during off cycles
- Prevents infiltration of cold air during down drafts
- Dual safety switches allow the burner to fire only when damper is in the open position
- Keyed wiring harness plug installs only one way preventing incorrect wiring connection
- Stainless steel construction
- Normally closed

Order #	Mfg. #	Description	Pipe Size	Height	Length	Clearance	Each
X81-957	46486901	GVD-4PL	4"	6-1/16"	8-7/8"	15/16"	**455.00**
X89-699	46487001	GVD-5PL	5"	9-7/8"	6-1/16"	15/16"	**469.00**
X89-700	46487101	GVD-6PL	6"	10-7/8"	6-1/2"	1-3/16"	**479.00**
X89-701	46487201	GVD-7PL	7"	11-7/8"	7-1/16"	1-7/16"	**499.00**
X81-958	46487301	GVD-8PL	8"	8-1/16"	12-7/8"	1-15/16"	**585.00**
X82-521	46579100	GVD-UWK	Universal Wiring Harness	—	—	—	**209.00**

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In-Line Radon Fans

fantech® a systemair company

- Specially designed with higher pressure capabilities for Radon mitigation
- UV resistant, UL Listed durable plastic
- UL Listed for use in commercial applications
- Automatic reset thermal overload protections
- Vibration welded seam ensures leak proof housing
- 120V


A


B


C

Fig.	Order #	Mfg. #	Description	Duct Size	Max. Pressure	Each
Fans						
A	**X83-451**	Rn1	Low flow and suction	4"	0.9	**389.00**
A	**X83-452**	Rn2	Medium flow and suction	4"	1.9	**429.00**
B	**X83-453**	Rn2SL	Medium flow and suction	4"	2.1	**599.00**
A	**X83-454**	Rn3	High flow and medium suction	6"	2.36	**599.00**
Installation Kits						
C	**X83-511**	FRIK4X3	For Rn1 & Rn2	3"	—	**145.00**
C	**X83-512**	FRIK4X4	For Rn1 & Rn2	4"	—	**145.00**
C	**X83-513**	FRIK6x3	For Rn3	3"	—	**165.00**
C	**X83-514**	FRIK6x4	For Rn3	4"	—	**165.00**
C	**X83-515**	FRIKSL	For Rn2SL	4"	—	**69.00**

Radon Mitigation Fans

AprilAire

- Water-hardened thermally-protected motor
- Rated for indoor or outdoor use
- Rated for commercial and residential use
- Technology to inhibit radon and soil gas leakage
- 5-year warranty


A


B


C

Fig.	Order #	Mfg. #	Description	Duct Size	Max. Pressure	Drive Type	RPM	Max. Amps	Volts	Phase	Max. CFM	Wt. Lbs.	Each
A	**S83-566**	ARN15F	Radon Fan - 1500 Sq. ft.	4"	1.7	Direct	3000	1	120	Single	166	5.5	**385.00**
B	**S83-567**	ARN25F	Radon Fan - 1500 To 2500 Sq. ft.	6"	2.2	Direct	3000	1.8	120	Single	375	6.5	**519.00**
C	**S83-568**	ARNHPF	Radon Fan - High Pressure	3"	4	Direct	3000	1.8	120	Single	110 @.2"WC	7.7	**575.00**

Radon Mitigation Kits

AprilAire

- Includes everything needed to set up radon mitigation and monitoring in homes
- Kit includes mitigation fan, coupling, manometer, and the radon system alarm
- Rated for indoor and outdoor use
- 5-year warranty


A


B


C

Fig.	Order #	Mfg. #	Description	Duct Size	Max. Pressure	Drive Type	RPM	Max. Amps	Volts	Phase	Max. CFM	Wt. Lbs.	Each
A	**S83-569**	ARN15K	Mitigation Kit - 1500 Sq. ft.	4"	1.7	Direct	3000	1	120	Single	166	5.5	**595.00**
B	**S83-570**	ARN25K	Mitigation Kit - 1500 To 2500 Sq. ft.	6"	2.2	Direct	3000	1.8	120	Single	375	6.5	**725.00**
C	**S83-571**	ARNHPK	Mitigation Kit - High Pressure	3"	4	Direct	3000	1.8	120	Single	110 @.2"WC	7.7	**805.00**

Radon Air Test

AprilAire

- 3-7 day test period
- Accurate third party results
- Free shipping back to the lab
- Same-day lab processing once received at the lab
- Full analysis, recognized in all 50 states and every US Territory



Order #	Mfg. #	Description	Each
S83-572	ARNTK1	Short Term Radon Test - Single	**49.99**

AprilAire

Radon Mitigation Accessories

- Radon system fittings and accessories


A


B


C


D


E

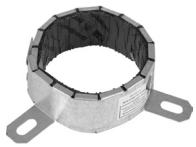


F


G


H

I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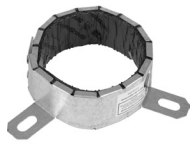
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N

Fig.	Order #	Mfg. #	Description	Each
A	**S83-574**	ARN33C	3" X 3" Flexible Coupling	**28.99**
B	**S83-575**	ARN43C	4" X 3" Flexible Coupling	**28.99**
C	**S83-576**	ARN44C	4" X 4" Flexible Coupling	**28.99**
D	**S83-577**	ARN64C	6" X 4" Flexible Coupling	**35.99**
E	**S83-578**	ARN05M	Easy Read 0-5" Wc Manometer	**30.99**
F	**S83-579**	ARNALM	Audible Radon System Alarm	**239.00**
—	**S83-580**	ARNFHK	Fan Housing Kit	**515.00**
G	**S83-581**	ARNSIT	Radon -T	**95.00**
H	**S83-582**	ARNCBK	Condensate Bypass Kit	**44.99**
I	**S83-583**	ARNTF4	Transition Fitting	**89.00**
J	**S83-584**	ARNFB3	3" Sti Fire Barrier	**105.00**
K	**S83-585**	ARNFB4	4" Sti Fire Barrier	**159.00**
L	**S83-586**	ARNPC3	3" Pvc Pipe Clamp	**5.39**
M	**S83-587**	ARNPC4	4" Pvc Pipe Clamp	**7.25**
N	**S83-588**	ARNPH3	3" Hangerlok Hdpe Pipe Hanger	**28.99**
N	**S83-589**	ARNPH4	4" Hangerlok Hdpe Pipe Hanger	**43.49**

BROAN

Lo Sone® Ventilators



- Low RPM motor on resilient mount for quiet operation
- Dynamically-balanced centrifugal blower wheel for quiet, efficient performance
- Motor designed for continuous operation
- May be ducted horizontally, vertically or in-line
- Quiet automatic backdraft damper located in duct connector
- 1/2" acoustic insulation inside housing

ENERGY STAR

Order #	Mfg. #	Vertical CFM	Horizontal CFM	Vertical Sones	Horizontal Sones	Volts	Amps	RPM	Length	Width	Height	Each
X83-897	L100E	168	164	0.3	0.3	120	0.3	799	12-1/4"	12-1/4"	11-3/4"	**415.00**
X83-898	L150E	224	238	0.7	1	120	0.4	990	12-1/4"	12-1/4"	11-3/4"	**439.00**
X83-899	L200E	253	267	1	1.3	120	0.5	1063	12-1/4"	12-1/4"	11-3/4"	**489.00**
X83-900	L250E	280	296	1.4	1.5	120	0.6	1144	12-1/4"	12-1/4"	11-3/4"	**515.00**
X83-901	L300E	334	343	2.5	2.5	120	0.7	1207	12-1/4"	12-1/4"	11-3/4"	**535.00**

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LoPro Series 2 Commercial Air Curtains

- Use over entrance doors, walk-in cooler and freezer doors, restaurants, hospitals, retail stores and office buildings
- Reduces loss of conditioned air
- 8" low profile
- Good for doors up to 8'
- Obsidian black — other colors available
- 115V unheated; 208/230V heated



Order #	Mfg. #	HP	Amps	Max. CFM	Max. FPM	Length	Height	Depth	Wt. Lbs.
Unheated									
X92-874	LPV236-1UA-OB	1/6	2.4	900	1,800	36"	8"	8-7/8"	35
X92-875	LPV248-1UA-OB	1/6	2.4	1,200	1,800	48"	8"	8-7/8"	42
X93-140	LPV272-1UA-OB	1/6	2.6	1,800	1,800	72"	8"	8-7/8"	58
Electric Heat									
X93-141	LPV236-1EBC-OB	1/6	31.0	900	1,800	36"	8"	11-3/4"	35
X93-142	LPV248-1EBD-OB	1/6	40.0	1,200	1,800	48"	8"	11-3/4"	45

Standard Series 2 Commercial Air Curtains

- Use over receiving doors, man doors and cold storage
- Reduces loss of conditioned air
- Good for doors up to 10'
- Obsidian Black — others colors available
- 115V unheated; 208/230V heated



Order #	Mfg. #	HP	Amps	Max. CFM	Max. FPM	Length	Height	Depth	Wt. Lbs.
Unheated									
X92-876	STD236-1UA-OB	1/2	5.1	2,500	3,400	36"	10-5/8"	12-3/4"	60
X93-136	STD242-1UA-OB	1/2	5.1	2,550	2,925	42"	10-5/8"	12-3/4"	65
X92-877	STD248-1UA-OB	1/2	5.1	2,500	2,550	48"	10-5/8"	12-3/4"	70
X93-137	STD272-2UA-OB	1/2	10.2	3,475	5,100	72"	10-5/8"	12-3/4"	120
Electric Heat									
X93-138	STD236-1EBB-OB	1/2	36.0	1,379	5,960	36"	10-5/8"	17-3/8"	90
X93-139	STD248-1EBB-OB	1/2	36.0	1,442	4,247	48"	10-5/8"	17-3/8"	100

ETL Unheated Sanitation Certified Air Curtains

- ETL Sanitation Certified to ANSI/NSF 37 standards for foodservice applications
- Sanitation certified for heights up to 7'
- Low noise level for quiet operation
- Low maintenance and operational costs
- Obsidian Black
- 115V



Order #	Mfg. #	HP	Amps	Max. CFM	Max. FPM	Length	Height	Depth	Wt. Lbs.
X93-143	LPN236-1UA-OB	1/6	2.4	900	1,800	36"	8"	8-7/8"	32
X93-144	N236-1UA-OB	1/6	5.1	1,379	2,206	36"	10-5/8"	12-3/4"	60

Activation Switch For Air Curtains

- Turns air curtain on when door opens and off when door closes



Order #	Mfg. #	Description	Amps	Length	Height	Depth	Each
X71-262	99-014	Plunger/Roller Combination Door Limit Switch	20A	3"	2-1/2"	2"	**329.00**

In-Line Centrifugal Fans - Resin Housing

- Can be used for multiple point exhaust applications, crawl space venting or make-up air supply
- Plastic housing is ideal for hi-humidity or coastal areas, and can be mounted in outdoor or wet locations
- Speed-controllable
- Prewired and supplied with a mounting bracket
- Air stream temperatures up to 140°F
- 120 V



Order #	Mfg. #	Duct Size	Max. Amps	Max. CFM	Each
X83-034	FR100	4"	0.18	122	**475.00**
X83-035	FR110	4"	0.72	167	**495.00**
X83-036	FR125	5"	0.18	148	**499.00**
X83-037	FR140	6"	0.53	214	**519.00**
X83-038	FR150	6"	0.67	263	**535.00**
X83-039	FR160	6"	1.14	289	**605.00**

fantech® a systemair company

In-Line Centrifugal Fans - Metal Housing

- EBM motor and backward curved impeller
- 100% speed controllable
- Rated for airstream temperatures up to 140°
- Automatic reset thermal overload protection
- Five-year factory warranty



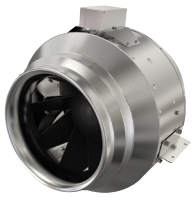
ENERGY STAR

Order #	Mfg. #	Duct Size	RPM	Max. Amps	Max. CFM	Each
X81-995	FG 4	4"	3000	0.19	135	**429.00**
X81-996	FG 4XL	4"	2750	0.66	170	**475.00**
X81-997	FG 5	5"	3000	0.19	156	**459.00**
X81-998	FG 5XL	5"	2700	0.68	220	**505.00**
X81-999	FG 6	6"	2700	0.68	303	**499.00**
X82-001	FG 6M	6"	2350	1.02	370	**599.00**
X82-002	FG 6XL	6"	2900	1.48	483	**665.00**
X82-003	FG 8	8"	2550	1.14	461	**695.00**
X82-004	FG 8XL	8"	2950	1.45	502	**815.00**
X82-005	FG 10	10"	3000	1.43	513	**845.00**
X82-006	FG 10XL	10"	3100	1.96	589	**929.00**
X82-008	FG 12XL	12"	2900	3.01	940	**1245.00**

fantech® a systemair company

Round and Square In-Line Mixed Flow Duct Fans

- External rotor motor with built-in automatic reset thermal overload protection
- 100% speed controllable
- Rated for airstream temperatures up to 140°



A



B

Fig.	Order #	Mfg. #	Duct Size	RPM	Max. Amps	Volts	Max. CFM	Each
A	**X82-009**	FKD 8XL	8"	2700	2.99	115	836	**1545.00**
A	**X82-010**	FKD 10	10"	2700	3.01	115	910	**1599.00**
A	**X82-011**	FKD 10XL	10"	2850	4.84	115	1,266	**1745.00**
A	**X92-428**	FKD 12	12"	2900	4.86	115	1,305	**1899.00**
A	**X92-429**	FKD 12XL	12"	1700	4.80	115	2,016	**2199.00**
A	**X92-430**	FKD 14	14"	1700	4.76	115	2,156	**2245.00**
A	**X92-431**	FKD 14XL	14"	1550	7.12	115	2,619	**3299.00**
A	**X92-432**	FKD 16	16"	1600	6.39	115	2,952	**3445.00**
A	**X92-433**	FKD 16XL	16"	1600	12.40	115	4,274	**5099.00**
A	**X92-434**	FKD 18	18"	1600	12.04	115	4,448	**5445.00**
A	**X92-435**	FKD 18XL	18"	1700	3.75	460	6,236	**6445.00**
A	**X92-436**	FKD 20	20"	1750	3.73	460	6,291	**6599.00**
B	**X92-437**	FSD 18	18"	1700	4.80	115	2,463	**2445.00**
B	**X92-438**	FSD 20	20"	1600	6.36	115	3,225	**3545.00**
B	**X92-439**	FSD 22	22"	1600	15.00	115	5,223	**5599.00**
B	**X92-440**	FSD 26	26"	1700	3.82	460	6,818	**7499.00**

fantech® a systemair company

prioAir In-Line Duct Fans

- High airflow at low static pressure and low energy input
- Compact design and extremely quiet peformance
- 100% speed controllable
- EC-motor models have integrated electronics that accommodate 0-10Vdc manual or automated speed contol
- Includes mounting bracket
- 120V



Order #	Mfg. #	Duct Size	Max. CFM	Each
X83-043	prioAir6	6"	295	**519.00**
X83-044	prioAir8	8"	645	**675.00**

Panasonic

D-65 Series Destratification Fan

◀ NEW

- Creates uniform air temperatures from floor to ceiling
- Energy savings up to 35% in the heating season and up to 25% in the cooling season
- Effective in facilities with ceiling heights from 15' to 75' high
- Quiet, energy-efficient fans, delivering a focused, easy-to-direct column of air
- Run independently of existing HVAC system
- Speed controllable, allowing fine-tuning for individual comfort
- Includes 3 types of UL approved fast-mounting hardware
- 10-years Limited warranty
- 120V



Order #	Mfg. #	Description	RPM	Max. Amps	Max. CFM	Each
X83-941 ◀	D-65-Black	Black	2800	2.1	1082	**1299.00**
X83-942 ◀	D-65-White	White	2800	2.1	1082	**1299.00**

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Spring Loaded Backdraft Dampers

- Galvanized steel
- Horizontal or vertical mount



Order #	Mfg. #	Diam.	Each
X83-047	RSK4	4"	**33.99**
X83-048	RSK5	5"	**40.49**
X83-049	RSK6	6"	**42.49**
X83-050	RSK8	8"	**69.00**
X83-051	RSK10	10"	**75.00**
X83-052	RSK12	12"	**105.00**

Duct Booster Kits

- Used on duct runs up to 130'
- Maintains 1,200 FPM to keep lint suspended
- Galvanized steel housing
- Backward inclined impeller allows lint to pass through fan
- **X82-012** comes with automatic sensing switch, mounting bracket, hardware and 5.5' power cord
- **X82-013** comes with integrated air flow sensing switch, mounting bracket, quick connect/disconnect, wall mounted indicator panel; LED light on wall panel lets homeowner know fan is working properly
- **X82-627** is UL listed to UL705 supplement and includes integrated pressure switch, mounting clamps, cleanouts, wall mounted indicator panel, and a 50' control cable
- Five-year warranty



A



B

Fig.	Order #	Mfg. #	Duct Size	Watts	Amps	CFM	Each
A	**X82-012**	DBF 4XL	4"	83	0.73	170	**655.00**
A	**X82-013**	DBF 4XLT	4"	83	0.73	170	**805.00**
B	**X82-627**	DEDPV-705	4"	83	0.73	170	**995.00**

Dryer Exhaust Duct Power Ventilator

- Solves problems caused by long duct runs on clothes dryers, reduces drying time and reduces energy consumption
- Includes integrated pressure sensor which starts fan when dryer is started
- Maintains 1,200 FPM air velocity
- UL705 rated
- 10-year warranty



A



B

Fig.	Order #	Mfg. #	Description	Duct Size	Each
Fan					
A	**X83-909**	DBF-DEDPV	Wall Mounted - Room Accessable Lint Trap	4"	**1199.00**
B	**X83-910**	VTX-DEDPV	Internal Mounted	4"	**925.00**
Accessories					
—	**X83-911**	LT4	Lint Trap For VTX Model - 2" x 6" Studs	4"	**75.00**
—	**X83-912**	LT4S	Lint Trap For VTX Model - 2" x 4" Studs	4"	**79.00**
—	**X83-913**	SLT	Slim Lint Trap For Stackable Dryer Installation	4"	**149.00**
—	**L51-751**	ACS-5	Current Sensor 120V @2.5 Amp Max	—	**79.00**
—	**L51-752**	APS	Pressure Sensing Switch With Timer Board	—	**165.00**

Duct Booster® Fan

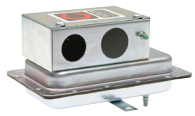
- Allows heated or cooled air to reach "problem" areas
- Eliminates upgrading or installing auxiliary heating or cooling equipment
- Fits round, square or flat ducts
- Can be wired directly to appliance blower or with optional air pressure sensing switch (**G31-186**)
- Attached to duct with four sheet metal screws
- Requires a 4" x 7" cutout
- 120V
- Maximum operating temperature 200°F



Order #	Mfg. #	Each
X89-411	DB-2	**385.00**

Air Pressure Sensing Switch

- For use with Duct Boosters®
- Can be used to control other auxiliary devices such as electronic air cleaners, electrical duct heaters and humidifiers
- Electrical contacts close upon sensing positive air pressure



Order #	Mfg. #	Each
G31-186	PS1503	**175.00**

DIVERSITECH



Duct Fans

- Increase air circulation to low output areas
- Electrical junction box for UL and code compliant connection
- One-use thermal fuse for safety
- 120V

Order #	Mfg. #	Duct Size	Max. CFM	RPM	Amps	Each
X83-085	625-AF6	6"	240	2800	0.64	**129.00**
X83-086	625-AF8	8"	420	2800	0.64	**175.00**
X83-087	625-AF10	10"	650	2800	0.7	**309.00**
X83-088	625-AF12	12"	975	2800	1	**389.00**
X83-089	625-AF14	14"	1350	2800	1	**495.00**



Axial Flow Fans

- Aluminum die-cast frame
- For computers, office equipment, vending machines, etc.
- Reverse air flow on box type by turning end for end
- Ball bearing, permanently lubricated motor
- Requires **G31-199** cord set sold separately

Order #	Mfg. #	CFM	Volts	RPM	Amps	Wt. Oz.	Height	Width	Depth	Mounting Centers	Each
X71-093	UF80A12-BTHR	34	115	3250	0.22	18	3.15"	3.15"	1.50"	2-8/10"	**75.00**
X71-322	UF80A23-BTHR	34	230	2700	0.11	18	3.15"	3.15"	1.50"	2-8/10"	**75.00**
X71-094	UF12A12-BTLR	82	115	2500	0.18	17	4.69"	4.69"	1.50"	4-1/10"	**69.00**
X71-323	UF12A23-BTLR	82	230	2500	0.1	17	4.69"	4.69"	1.50"	4-1/10"	**69.00**
X71-096	UF12A12-BTHR	108	115	3100	0.24	21	4.69"	4.69"	1.50"	4-1/10"	**65.00**
X71-097	UF12A23-BTHR	108	230	3100	0.12	21	4.69"	4.69"	1.50"	4-1/10"	**69.00**
X71-098	UF15PC12-BTHR	235	115	3350	0.48	29	5.91"	6.77"	2.0"	6-2/5"	**175.00**
X71-324	UF15PC23-BTHR	235	230	3350	0.23	29	5.91"	6.77"	2.0"	6-2/5"	**175.00**
X71-325	UF18JC12-BTHR	340	115	3350	0.5	80	7.09"	7.09"	3.54"	6"	**419.00**
X71-326	UF18JC23-BTHR	340	230	3350	0.25	80	7.09"	7.09"	3.54"	6"	**419.00**
X71-327	UF25GC12-BTHR	550	115	1600	0.5	72	10"	Round	3.50"	9-7/10"	**305.00**
X71-328	UF25GC23-BTHR	550	230	1600	0.25	72	10"	Round	3.50"	9-7/10"	**305.00**
X71-329	UF25HC12-BTHR	815	115	2400	1.32	74	10"	Round	4.21"	9-7/10"	**405.00**
X71-330	UF25HC23-BTHR	815	230	2400	0.62	74	10"	Round	4.21"	9-7/10"	**405.00**



24" Long Cord Set

- With "L" plug

Order #	Description	Each
G31-199	24" Long Cord Set	**14.99**



Fan Guard

- For fans with 4-1/8" mounting hole centers

Order #	Description	Each
X71-047	Fan Guard	**16.49**



Solid State Motor Speed Controls

For Shaded Pole and PSC Motors

- Specifically designed for use on range hoods, air conditioners, humidifiers, fans and blowers
- **G22-731** is the same as **G22-689** minus the cover plate
- **G32-397** through **G32-400** are NOT UL or CSA approved
- Fig. A fits 2" box size

Order #	Mfg. #	F/L Amps	L/R Amps	Volts	Switch Body Dimensions	Each
G22-689	H2886	2.5	6	120	2" x 1-1/2" x 1"	**125.00**
G22-731	H1304F	2.5	6	120	2" x 1-1/2" x 1"	**95.00**
G22-957	H2883A	6.0	10	120	2-1/2" x 1-1/2" x 1-3/8"	**145.00**
G32-397	H4119	6.0	10	230	2-1/2" x 1-1/2" x 1-3/8"	**185.00**
G32-398	H4118	15.0	25	230	2-3/4" x 1-1/2" x 2"	**455.00**
G32-399	H4121	6.0	10	277	2-1/2" x 1-1/2" x 1-3/8"	**445.00**
G32-400	H4120	15.0	25	277	2-3/4" x 1-1/2" x 2"	**559.00**

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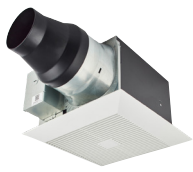
WhisperGreen Select™ Ventilation Fans

◀ NEW

Panasonic

- Customizable, all-in-one fan and fan dimmable chip LED light combinations
- Pick-A-Flow speed selector – one fan, you choose the CFM
- Unique Plug 'N Play modules provide up to three value-added features
- Revolutionary ECM motor with SmartFlow™ technology ensures optimal CFM output
- Complies with the JA8 CA Title 24 requirements
- Flex-Z Fast™ bracket provides flexible, fast and easy installation
- Meets stringent green building codes and standards, including ASHRAE 62.2, LEED, ENERGY STAR for Homes 3.0, IAP, JA8 Title 24, CA Title 24 and WA Ventilation Code
- Fits in 2 x 8 construction
- UL listed for tub/shower enclosure when used with a GFCI protected circuit



A



B



C

Fig.	Order #	Mfg. #	Description	Sones	CFM	Duct Size	Energy Star	Each
Fan Only Models								
A	**X83-963** ◀	FV-0511VK3	Pick-A-Flow® Single Speed	0.3	50, 80 or 110	4" or 6"	Y	**385.00**
A	**X83-965** ◀	FV-1115VK3	Pick-A-Flow® Single Speed	0.3	110, 130 or 150	6"	Y	**485.00**
A	**X83-967** ◀	FV-0511VKS3	Pre-Installed Multi-Speed	0.3	30 to 110	4" or 6"	Y	**429.00**
Fan/Light Models								
B	**X83-964** ◀	FV-0511VKL3	Pick-A-Flow® Single Speed	0.3	50, 80 or 110	4" or 6"	Y	**569.00**
B	**X83-966** ◀	FV-1115VKL3	Pick-A-Flow® Single Speed	0.3	110, 130 or 150	6"	Y	**719.00**
B	**X83-968** ◀	FV-0511VKSL3	Pre-Installed Multi-Speed	0.3	30 to 110	4" or 6"	Y	**615.00**
Architectural Grille Design								
C	**X83-969** ◀	FV-0511VKS3S	Pre-Installed Multi-Speed	0.3	30 to 110	4" or 6"	Y	**465.00**
C	**X83-970** ◀	FV-0511VKSL3K	Pre-Installed Multi-Speed	0.3	30 to 110	4" or 6"	Y	**785.00**
Plug 'N Play Modules								
—	**X83-196**	FV-VS15VK1	Multi-Speed Module with High/Low Delay Timer	—	—	—	—	**46.49**
—	**X83-197**	FV-MSVK1	SmartAction® Motion Sensor	—	—	—	—	**55.00**
—	**X83-198**	FV-CSVK1	Condensation Sensor	—	—	—	—	**135.00**
—	**X83-971** ◀	FV-CMVK3	Combination Condensation And Motion Sensor	—	—	—	—	**215.00**

ENERGY STAR

WhisperCeiling DC™ Ventilation Fans

Panasonic

- Precision spot ventilation fans ideal for use in the bathroom, laundry room, sun room, basement or garage
- Revolutionary ECM motor with SmartFlow™ technology for optimum CFM output
- Pick-A-Flow Speed Selector (50-80-110 or 110-130-150 CFM models) combined with SmartFlow™ Technology simplifies the selection process and ensures optimum performance to meet code and reduce callbacks
- Flex-Z Fast™ bracket provides flexible, fast and easy installation, even from below the ceiling
- Lighted models incorporate one 10W dimmable LED chip panel with ® IAP, EarthCraft, CA Title 24 and WA state code



Order #	Mfg. #	Description	Sones	CFM	Duct Size	Each
X83-416	FV-0511VQ1	Fan Only	0.3	50-110	4" or 6"	**319.00**
X83-417	FV-1115VQ1	Fan Only	0.3	110-150	4" or 6"	**415.00**
X83-418	FV-0511VQL1	Fan With Light	0.3	50-110	4" or 6"	**485.00**
X83-419	FV-1115VQL1	Fan With Light	0.3	110-150	4" or 6"	**585.00**

ENERGY STAR

WhisperCeiling™ Ventilation Fans

Panasonic

- Quiet, yet powerful – ideal for new and remodel residential applications
- Integrated 4" or 6" duct adaptor on 50-110 CFM models
- Large volume (190-390) CFM options available for light commercial use
- Can be used to comply with ASHRAE 62.2, LEED, IAP, EarthCraft, CA Title 24 and WA state code
- UL listed for tub/shower enclosure when GFCI protected
- 80-150 CFM models fi t in 2 x 8 construction



Order #	Mfg. #	Sones	CFM	Duct Size	Each
X83-204	FV-20VQ3	1.3	190	6"	**475.00**
X83-205	FV-30VQ3	2	290	6"	**499.00**
X83-206	FV-40VQ4	3	390	6"	**755.00**

ENERGY STAR

Panasonic

WhisperSense DC™ Ventilation Fans



- Precision spot ventilation fans ideal for use in the bathroom, laundry room, mud room, basement or garage
- Revolutionary ECM motor with SmartFlow™ technology for optimum CFM output
- Pick-A-Flow Speed Selector (50-80-110 CFM) combined with SmartFlow™ Technology simplifies the selection process and ensures optimum performance to meet code and reduce callbacks
- Dual Sensor Technology (Motion & Moisture) provides built-in redundancy for the ultimate in automatic moisture and odor control
- Flex-Z Fast bracket provides flexible, fast & trouble-free installation, even from below the ceiling
- Lighted model incorporates one 10W dimmable LED chip panel with ® IAP, CALGreen, EarthCraft, CA Title 24 and WA state code

ENERGY STAR

Order #	Mfg. #	Description	Sones	CFM	Duct Size	Each
X83-420	FV-0511VQC1	Fan Only	0.3	50-110	4" or 6"	**429.00**
X83-421	FV-0511VQCL1	Fan With Light	0.3-0.4	50-110	4" or 6"	**599.00**

Panasonic

WhisperValue DC™ Ventilation Fans



- Ideal for residential construction (single and multi-family) and manufactured homes
- Revolutionary DC motor with SmartFlow™ technology for optimum CFM output
- Pick-A-Flow™ Speed Selector – one fan, you choose the CFM (50, 80 or 100 CFM)
- 3-3/8" housing depth – lowest profile ENERGY STAR® fan available
- UL approved for ceiling or wall mount – perfect fit in a 2 x 4 stud bay
- Wall installation eliminates the need and cost for a radiation damper
- Optional 24 gauge steel, fire code rated 4" oval to 3" round duct adapter, sold separately (Model # FV-VS43R)
- UL listed for tub/shower enclosure when GFCI protected
- Can be used to comply with ASHRAE 62.2, LEED, IAP, California Title 24 and WA Ventilation Code

ENERGY STAR

Order #	Mfg. #	Description	Sones	CFM	Duct Size	Energy Star	Each
Fan							
X83-296	FV-0510VS1	Exhaust Fan	0.3 to 0.9	50 to 100	4" Oval	Y	**195.00**
X83-401	FV-0510VSC1	Exhaust Fan With Condensation Sensor	0.3 to 0.9	50 to 100	4" Oval	Y	**285.00**
X83-402	FV-0810VSS1	Exhaust Fan With Speed Control	0.3 to 0.9	80 to 100	4" Oval	Y	**235.00**
X83-403	FV-0510VSL1	Exhaust Fan With Light	0.3 to 0.9	50 to 100	4" Oval	Y	**325.00**
X83-404	FV-0510VSCL1	Exhaust Fan With Light And Condensation Sensor	0.3 to 0.9	50 to 100	4" Oval	Y	**419.00**
X83-405	FV-0810VSSL1	Exhaust Fan With Light And Speed Control	0.3 to 0.9	80 to 100	4" Oval	Y	**369.00**
Accessories							
X83-297	FV-0510VSA1	Universal Housing	—	—	4" Oval	—	**55.00**
X83-298	FV-0510VSB1	Motor/Grille Assembly	0.3 to 0.9	50 to 100	4" Oval	Y	**139.00**

Panasonic

WhisperFit® DC Ventilation Fans



- Revolutionary ECM motor with SmartFlow™ Technology ensures optimal CFM output
- Built-in Pick-A-Flow™ airflow selector allows you to select your required airflow of 50, 80, or 110 CFM with a simple flip of a switch
- Optional Condensation Sensor model (FV-0511VFC1) provides hands-free operation and automatic moisture control
- Lighted models incorporate one 10W dimmable LED chip panel with ® bracket provides flexible, fast and easy installation
- Can be used to comply with ASHRAE 62.2, LEED, IAP and California Title 24
- UL listed for tub/shower enclosure when GFCI protected and UL listed for use with the Panasonic Ceiling Radiation Damper (model # PC-RD05C5)
- 6-year warranty ECM motor, 3-year warranty on parts, 5 year on LED chip panel

ENERGY STAR

Order #	Mfg. #	Description	Sones	CFM	Duct Size	Each
X83-824	FV-0511VF1	Fan Only	0.3 or 0.8	50, 80 or 110	4" or 3" With Reducer	**289.00**
X83-825	FV-0511VFL1	Fan With Light	0.3 or 0.8	50, 80 or 110	4" or 3" With Reducer	**419.00**
X83-827	FV-0511VFC1	Fan With Condensation Sensor	0.3 or 0.8	50, 80 or 110	4" or 3" With Reducer	**379.00**

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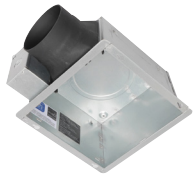
EcoVent™ Ventilation Fans

Panasonic

- Ideal for new residential construction
- Perfect cost effective ENERGY STAR® solution for Home Builders
- 70 CFM – 0.7 sones at 0.1" w.g. (56 CFM/1.3 sones at 0.25" w.g.)
- Unique Veri-Boost™ integral switch ensures the fan meets designed airflow requirements and provides Ventilation Verification Assurance: ≥50 CFM installed performance, to help meet the new ENERGY STAR ® 3.0 standards
- Small grill design complements the aesthetics of your bathroom, powder room or laundry room
- Fits in 2 x 6 construction
- Available in contractor packs only – housing and motor/grille packaged separately reduces risk of parts being lost or damaged on site
- UL listed for tub/shower enclosure when GFCI protected
- Can be used to comply with ASHRAE 62.2, LEED and ENERGY STAR ® for Homes 3.0


A


B


C

Fig.	Order #	Mfg. #	Description	Sones	CFM	Duct Size	Energy Star	Each
Fan								
A	**X83-923**	FV-0709VB1	Exhaust Fan	0.7	70	4"	—	**149.00**
Accessories								
B	**X83-276**	FV-07VBA1A	Universal Housing	—	—	4"	—	**65.00**
C	**X83-277**	FV-07VBB1	Motor/Grille Assembly	0.7	70	4"	Y	**85.00**

WhisperRecessed LED™ Ventilation Fan

Panasonic

- Architectural grade recessed fan/light
- Ideal for use in the bathroom, living room or laundry room
- Quiet and powerful 80 CFM ventilation hidden above the ceiling
- (1) replaceable 11W, ENERGY STAR® 2.0 certified, GU24 base LED lamp
- Beautiful lighting with 6-1/2" aperture and advanced luminaire design
- Integrated dual 4" or 6" duct adapter
- Fits in 2 x 8 construction
- UL listed for tub/shower enclosure when GFCI protected
- Can be used to comply with ASHRAE 62.2, CALGreen*, LEED, IAP, California Title 24 and WA Ventilation Code



Order #	Mfg. #	Description	Sones	CFM	Duct Size	Each
X83-295	FV-08VRE2	Exhaust Fan With Light	1	80	4" or 6"	**335.00**

WhisperFresh Select™ Fresh Air Supply Fan

Panasonic

- Customizable fresh air supply fan featuring Pick-A-Flow™ technology – one fan, you choose the CFM (50-60-70-80-90-100-110-130-150 in CFM; 9 settings)
- Intelligent ECM motor with SmartFlow technology provides optimum CFM output for precision whole-house supply ventilation
- Operates as a stand-alone filtered supply fresh air solution to meet ASHRAE 62.2 requirements for make-up/supply air
- Capable of communicating with Panasonic's acclaimed WhisperGreen® Select™ to create a balanced ventilation solution
- Incorporates adjustable high humidity and low temperature dials for easy adjustments in any climate zone
- Upgraded junction box on hardwired model has 2 convenient knockouts for routing power
- Pressure ports for airflow verification
- Built-in Plug'n play module port with smart home capability
- HVI certified for use with MERV 8 (FL0815NL1) and MERV 13 (FV-FL1315NL1) filters. MERV 13 filter included, MERV 8 and MERV 13 replacements available
- Can be used to comply with ASHRAE 62.2, LEED and CA Title 24





Order #	Mfg. #	Description	CFM	Duct Size	Energy Star	Each
Fan						
X83-429	FV-15NLFS1H	Fan	50 to 150	6"	Y	**1099.00**
Accessories						
L49-899	FV-FL0815NL1	MERV 8 Filter	—	—	—	**105.00**
L49-900	FV-FL1315NL1	MERV13 Filter	—	—	—	**109.00**

Panasonic

WhisperWarm™ DC Ventilation Fans



- Precision spot ventilation fan/heater pairs a powerful ECM motor with SmartFlow™ technology for optimum CFM output
- Built-in 1600W Positive Temperature Coefficient heater delivers instant warm-up for ultimate comfort and Panasonic's legendary long-life operation
- Unique, adjustable grille with built-in diffuser offers superior directional heating
- Pick-A-Flow™ and SmartFlow™ work together to assure required airflow (50-80-110 CFM), optimal exhaust power, code compliance and reduced callbacks
- Optional 10W dimmable LED chip panel with <1W LED night light is JA-8 compliant for CA Title 24
- Flex-Z Fast™ bracket enables fast, flexible room side installation
- Can be used to comply with ASHRAE 62.2

Order #	Mfg. #	Description	Sones	CFM	Duct Size	Each
X83-773	FV-0511VH1	Without light	0.7	110	4"	**675.00**
X83-774	FV-0511VHL1	With light	0.7	110	4"	**865.00**

Panasonic

WhisperAir Repair



- Ceiling mount spot purification device utilizes patented nanoe™ X charged water particle generation technology to purify contaminated air
- Inhibits growth of bacteria, viruses, allergens and mold; and breaks down hazardous substances for a healthier home environment
- Quietly deodorizes and reduces unwanted smells for a fresher, cleaner indoor environment
- Maintenance free with no filters to change, no duct work required
- Great for use in residential settings including living rooms, bedrooms, basements, closets and mud rooms
- A single unit can cover between 100-200 sq. ft. (850-1700ft3), depending on environmental factors

Order #	Mfg. #	Each
X83-873	FV-01VCN1	**535.00**

Panasonic

WhisperControl Condensation Sensor Plus



- Intelligent and advanced sensor technology monitors humidity and temperature to anticipate dew point, automatically operating the fan to control moisture
- Automatic seasonal adaptability with optional Moisture Sensitivity Selector allows fine tuning for dry or moist environments
- Adjustable Minutes Per Hour (MPH) Fan Timer ensures consistent and controlled ventilation throughout the day for compliance with ASHRAE 62.2
- Automatic Fan Control – 30 minute countdown timer initiates after moisture returns to normal levels
- Manual Fan Control – 20 minute countdown timer initiates once fan is turned on
- Commercial Grade – 8 Amp max load, 2 year limited warranty
- Engineered to efficiently control current LED lighting and DC motor loads
- For indoor use. Includes matching wall plate
- Can be used to comply with ASHRAE 62.2, LEED, ENERGY STAR® 3.0 and CALGreen

Order #	Mfg. #	Description	Color	Each
X83-219	FV-WCCS1-W	On/Off	White	**115.00**

System Selector
Free • Simple • Intuitive
Current and Accurate
AHRI certified system matches
System Specific
Critical installation supplies
Search by Features
Such as: SEER2 Ratings, Brand, and BTUH
Click Here to Try it Today



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Swidget Modular Smart Devices

Panasonic

- Pair Swidget smart devices with Panasonic ventilation products to assist in removal of contaminated, unhealthy indoor air
- Use the Swidget App to control devices with schedules and automation, or connect to Alexa or Google Assistant for voice control
- Switches improve fan control and accept inserts that allow IAQ customization
- Inserts provide a wide menu of control options for ventilations fans
- Outlets allow control of a variety of plug-in appliances



A



B



C

Fig.	Order #	Mfg. #	Description	Each
Smart Switches				
A	**X83-874**	SD3001WA	Dimmer Switch	**185.00**
A	**X83-875**	S16001WA	0n-Off Switch	**149.00**
A	**X83-876**	S16008WA	20-40-60 Timer Control Switch	**155.00**
A	**X83-877**	S16009WA	Auxiliary Control Switch	**149.00**
Smart Outlets				
B	**X83-878**	R1015SWA	15A Outlet	**145.00**
B	**X83-879**	R1020SWA	20A Outlet	**155.00**
Smart Inserts				
C	**X83-880**	WI000UWA	WiFi Control	**75.00**
C	**X83-881**	WI001UWA	WiFi + USB Charger	**95.00**
C	**X83-882**	WI002UWA	WiFi + Guide Light	**95.00**
C	**X83-883**	WI003UWA	WiFi + Power-Out Light	**129.00**
C	**X83-884**	WI004UWA	WiFi + Motion Sensor	**115.00**
C	**X83-885**	WI005UWA	WiFi + Temp and Humidity	**125.00**
C	**X83-886**	WI006UWA	WiFi + Temp, Humidity and Motion	**139.00**
C	**X83-887**	WI008UWA	WiFi + Indoor Air Quality	**175.00**

Premium In-Line Bath Fans

fantech® a systemair company

- Ceiling grille housings have UL “wet location” rating and IC “insulation contact” rating with improved airtight design
- Ceiling grille housings offer easy to use 24" hanger bar installation
- Meets ASHRAE 62.2 with Ventech **X71-993** programmable control
- Order **X72-058** electronic timer for convenient operation
- White


A


B


C

ENERGY STAR

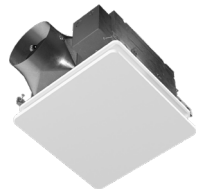
Fig.	Order #	Mfg. #	Description	CFM	Duct Size	Energy Star	Each
Single Grille							
A	**X82-232**	PB110	No Light	110	4"	Y	**469.00**
Double Grille							
B	**X82-236**	PB270-2	No Light	270	4" & 6"	Y	**659.00**
B	**X82-241**	PB370-2	No Light	370	6"	Y	**809.00**
Exterior Mount							
C	**X82-242**	PBW110	No Light	120	4"	—	**589.00**

Evolve Series Ventilation Fans

◀ NEW

BROAN

- Premium exhaust fans with selectable CFM and continuous run capability ideal for meeting ASHRAE 62.2, LEED and ENERGY STAR for whole home ventilation
- Guaranteed airflow performance with True CFM and code compliance
- Near silent operation, holding CFM up to .4” s.p.
- Modern, clean aesthetic with full lit and non-lit options
- Up to 30% faster installation with the snap-in housing and spring-less grille clips that easily slide into place
- Fan only models shall be UL Listed for use over bathtubs and showers when connected to a GFCI-protected brand circuit (ceiling mount only). Lighted models do not meet UL Listed requirement.



Order #	Mfg. #	Description	Sones	CFM	Duct Size	Each
Fans						
X83-975 ◀	PTE511RK	Fan Only	0.3 to 0.6	50 to 110	4"	**465.00**
X83-978 ◀	PTE1115RK	Fan Only	0.3	110 to 150	6"	**575.00**
X83-979 ◀	PTEL1115RK	Fan With Light	0.3	110 to 150	6"	**825.00**
Project Packs						
X83-976 ◀	PTE511RKF	Fan Only	0.3 to 0.6	50 to 110	4"	**365.00**
X83-977 ◀	PTE511H	Housing	—	—	—	**99.00**

Roomside Series Exhaust Fans

NEW



- ENERGY STAR® certified for permitted construction and/or Green Building Initiatives
- Maintains at least 50 CFM @ .25" s.p. to meet stringent codes
- Plug-in, permanently lubricated motor engineered for continuous operation
- Low RPM for quiet operation
- 26 gauge, galvanized steel housing
- 5-3/4" height allows for 2" x 6" ceiling installations

Order #	Mfg. #	Description	Sones	CFM	Duct Size	Each
Fans						
X83-981	BE6	Fan Only	0.9	60	4"	**145.00**
X83-982	BEL6	Fan With Light	0.9	60	4"	**165.00**
X83-985	BE8	Fan Only	1.5	80	4"	**155.00**
X83-986	BEL8	Fan With Light	1.5	80	4"	**189.00**
Project Packs						
X83-983	BEH	Housing	—	—	—	**34.49**
X83-984	BE6F	Fan Only	0.9	60	4"	**109.00**

Flex DC Ventilation Fans



- Selectable CFM DC motor allows right-sizing at 50/80/100 CFM for any size room
- 50% tighter housing than competitive models
- Snap-fit Flange Kit will cover the edges of the cutout for a more professional finish and a tighter, leak-free seal
- Quiet fan operation that has a sone level less than 1.0 at all CFM speeds
- UL Listed for use over bathtub or shower when connected to a GFCI protected branch circuit
- Type IC, fits 2" x 6" and larger construction

Order #	Mfg. #	Description	Sones	CFM	Duct Size	Each
X83-599	AE50110DC	Fan Only	0.4 to 0.9	50-110	4" Round	**295.00**
X83-600	AE50110DCL	Fan With Light	0.4 to 0.9	50-110	4" Round	**385.00**

688E Bathroom Exhaust Fan

NEW



- ENERGY STAR® certified
- Maintains at least 50 CFM @ .1" s.p. to meet stringent codes
- Plug-in, permanently lubricated motor
- 26 gauge, galvanized steel housing
- Same housing dimensions as the old 688 fan it is replacing

Order #	Mfg. #	Sones	CFM	Duct Size	Each
X83-987	688E	2.0	50	3"	**65.00**

Lo-Profile DC Ventilation Fan



- Selectable CFM and Continuous Run: speeds of 50-80-100 for effective ventilation and built-in continuous run technology to remove moisture and reduce the risk of mold or mildew in most full baths
- TRUE CFM™: Installed exhaust fan will not lose CFM performance even with complicated ducting
- Quiet Performance: 0.4 / 0.9 / 1.2 Sones for quiet performance, enough sound to know your fan is on
- Adjustable low CFM setting allows precise adjustment to prevent over-ventilating and maximize energy efficiency
- Adjustable time delay sets how long fan will run on high speed before returning to a continuous lower speed
- ETL listed for use over bathtubs and showers when connected to GFCI protected branch circuit (ceiling installation only)
- Powerful enough for rooms up to 90 sq. ft.
- 4" oval duct connection for installation flexibility, allows for ceiling or wall mounting

Order #	Mfg. #	Sones	CFM	Duct Size	Each
X83-902	LP510R	0.4 to 1.2	50-100	4" Oval	**245.00**

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Flex™ Series Ventilation Fans

BROAN FRESH AIR SYSTEMS

- Low sone whisper quiet operation
- Installs from the room side, which makes it possible to retrofit to spaces with no attic access
- CleanCover™ grille stays cleaner longer with fewer vent slots to collect dust
- FoldAway™ mounting ears precisely positioned the fan for new construction applications or fold flat for retrofit installations with no attic access
- EZDuct connector creates an air tight seal while connecting to the duct from below the ceiling
- 30% more airtight installed performance vs standard ventilation fans
- SnapFit flange kit offers flexible installation for new construction or retrofit upgrades
- ENERGY STAR® certified
- 4 in. duct connector with damper
- Fits 2 in. x 6 in. ceiling construction
- UL listed for use in insulated ceilings (type I.C.) and HVI-2100 certified for safety
- UL listed for use over bathtubs or showers when connected to GFCI-protected branch circuit (not included)
- 3-year limited warranty



Order #	Mfg. #	Description	Sones	CFM	Duct Size	Energy Star	Each
Fans							
X83-832	AE80K	Fan Only	0.7	80	4"	Y	**235.00**
X83-833	AE80LK	Fan With Light	0.7	80	4"	Y	**305.00**
X83-834	AE110K	Fan Only	1	110	4"	Y	**295.00**
Project Packs							
X83-836	AE80KF	Fan Only	0.7	80	4"	Y	**209.00**
X83-838	AE110KF	Fan Only	1	110	4"	Y	**305.00**
X83-584	A000HFKT	Fan Housing/Unlighted	—	—	—	—	**29.49**
X83-585	A000HLKT	Fan Housing/lighted	—	—	—	—	**29.49**

ENERGY STAR

InVent™ Ceiling Fan

BROAN FRESH AIR SYSTEMS

- For new construction or room-side retrofit
- TrueSeal™ Damper Technology reduces air leakage up to 50%
- EzDuct™ Connector can be installed room-side with no attic access required
- UL Listed for use over tubs and showers with a GFCI circuit
- 120V



Order #	Mfg. #	Description	Sones	CFM	Duct Size	Each
X82-748	A110	Fan Only	3.0	110	4" Round	**225.00**

QTXE Quiet Bathroom Fans

BROAN

- Nearly silent operation 0.4 to 1.4 sones
- Designed to meet Energy Star standards
- UL listed for use over tub/shower with GFCI circuit
- 11-1/4" x 10-3/8" x 7-5/8" housing fits 2" by 8" construction



ENERGY STAR

Order #	Mfg. #	Description	Sones	CFM	Duct Size	Sq. Ft.	ASHRAE 62.2	Each
X89-906	QTXEG080	Fan	0.4	80	6"	75	Whole House	**365.00**
X89-908	QTXEG110	Fan	0.9	110	6"	100	Whole House	**369.00**
X89-910	QTXE150	Fan	1.4	150	6"	140	Local	**589.00**

Economy 50 CFM Ceiling or Wall Fan

BROAN

- 4 sones, 120V, 60 Hz, 0.7A, permanently lubricated plug-in motor
- For bathrooms up to 45 sq. ft.
- Matte white finish plastic grille is 9" x 9-1/4"
- Housing is 7-1/4" L x 7-1/2" W x 3-5/8" D
- 3" diameter damper/duct connector furnished



Order #	Mfg. #	Each	3 Lot	6 Lot
X89-281	688	**65.00**	**59.00**	**55.00**

BROAN



50 CFM Exhaust Fan and Light Fixture

- Super quiet 2.5 sones, 120V, 60 Hz, for bathrooms up to 45 sq. ft.
- Matte white plastic grille is 11-1/8" x 10-5/8"
- Plastic diffuser lens, bulb not included
- Housing is 8" L x 8-1/4" W x 5-3/4" D
- Damper/duct connector included
- Fits 4" round duct

Order #	Mfg. #	Each	3 Lot	6 Lot
X89-288	678	**139.00**	**129.00**	**125.00**

BROAN



Contractor Replacement Packs for Broan Fans

Order #	Mfg. #	Description	Each
X89-589	1667H	Housing Only for Model 688 — X89-281	**21.49**
X89-590	1688F	Fan Assembly & Grille for Model 688 — X89-281	**42.49**

Order #	Mfg. #	Description	Each
X82-255	2678F	Fan Assembly & Grille for Model 678 — X89-288	**99.00**

BROAN



Ceiling Fan

- Adjustable mounting brackets for ease of installation
- Outlet box is mounted on the housing
- Plastic grille
- 120V, 60 Hz motor is rubber mounted for quiet operation
- Includes backdraft damper

Order #	Mfg. #	Sones	CFM	Housing Dimensions	Grille Size	Each	3 Lot	6 Lot
X89-329	505	6.5	180	8-1/4"	11-1/2" Sq.	**285.00**	**269.00**	**255.00**

BROAN



Slimline Ceiling or Wall Fan

- Slim design with adjustable mounting brackets fits easily between studs or joists
- 120V, 60 Hz, rubber mounted, thermally protected motor gives quiet performance
- Plastic grille
- Side discharges through 3-1/4" x 10" duct
- Built-in damper

Order #	Mfg. #	Sones	CFM	Housing Dimensions	Grille Size	Each
X89-286	503	5	160	14" x 12" x 3-1/4"	11-1/2" Sq.	**295.00**

BROAN



Room to Room Fan

- Installs in interior walls
- Motor 120V, 60 Hz
- White plastic grille
- Adjusts 3" to 5-1/2"
- Includes solid state speed control

Order #	Mfg. #	Sones	CFM	Housing Diam.	Grille Size	Each
X89-328	511	3.5	180	11-1/2" Sq.	13-1/2" Sq.	**409.00**

BROAN



Direct Discharge Through-Wall Fan

- Damper opens when fan turns on, closes air tight when fan turns off
- Dual flow for superior air movement and weather seal
- Twist lock motor mounting bracket
- 4-pole motor
- Adjusts for walls 4-1/2" to 9-1/2" thick
- 120V, 60 Hz
- White plastic grille

Order #	Mfg. #	Sones	CFM	Housing Diam.	Grille Size	Each
X89-327	509	6.5	180	14-1/4" Sq.	11-1/2" Sq.	**289.00**

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Fan Forced Ceiling Heater

BROAN

- Enclosed, metal sheathed element delivers 1250W of instant heat
- Anodized aluminum construction
- Attractive, satin finish, aluminum slimline grille
- Built-in fan disperses heat evenly
- Automatic overheat protection
- Mounts easily to standard 3-1/4", 3-1/2" or 4" ceiling electrical box
- May be operated using a wall switch



Order #	Mfg. #	Each
X89-331	157	**315.00**

Light Upgrade Kit

BROAN FRESH AIR SYSTEMS

- Add LED lighting to your bath fan in just 5 minutes
- Plug the motor plug into the upgrade grille pass through plug and your done
- Hides existing dry wall cuts
- Fewer vent slots makes it easier to clean



Order #	Mfg. #	Each
X83-603	FG500N	**109.00**

Plastic Vent Caps

FAMCO

- Molded removable stems
- High density polyethylene vents
- Corrosion proof and UV protected
- Includes bird screen
- BVDS series has backdraft dampers
- **X90-249** provides 50 sq. in. venting

Fig.	Order #	Mfg. #	Color	Size	Each
A	**X81-992**	BVDS-4-BK	Black	4"	**44.49**
A	**X89-522**	BVDS-4-DBR	Dark Brown	4"	**44.49**
A	**X93-222**	BVDS-4-WH	White	4"	**44.49**
A	**X81-993**	BVDS-6-BK	Black	6"	**59.00**
A	**X89-539**	BVDS-6-DBR	Dark Brown	6"	**59.00**
A	**X93-223**	BVDS-6-WH	White	6"	**59.00**
B	**X90-249**	FA50-DBR	Dark Brown	—	**42.49**
B	**X83-549**	FA50BK	Black	—	**42.49**



A



B

Metal Vent Caps

◀ NEW

FAMCO

- Includes backdraft damper and bird screen
- Roof models include generous flashing



A



B



C



D

Fig.	Order #	Mfg. #	Mounting	Material	Color	Size	Each
A	**X82-362**	BK4BK	Roof	Steel	Black	4"	**75.00**
A	**X83-551**	BK6BK	Roof	Steel	Black	6"	**99.00**
A	**X82-361**	BK8BK	Roof	Steel	Black	8"	**135.00**
A	**X83-676**	BK10BK	Roof	Steel	Black	10"	**295.00**
B	**X83-550**	BK4XBK	Roof	Steel	Black	4"	**85.00**
B	**X83-959** ◀	BK6XBK	Roof	Steel	Black	6"	**115.00**

Fig.	Order #	Mfg. #	Mounting	Material	Color	Size	Each
B	**X83-960** ◀	BK8XBK	Roof	Steel	Black	8"	**149.00**
C	**X82-363**	WV310HDBK	Wall	Steel	Black	3-1/4" x 10"	**95.00**
D	**X83-552**	GBV4	Roof	Steel	Natural	4"	**115.00**
D	**X83-553**	GBV6	Roof	Steel	Natural	6"	**129.00**
D	**X83-554**	GBV8	Roof	Steel	Natural	8"	**145.00**
D	**X83-555**	GBV10	Roof	Steel	Natural	10"	**179.00**

EZSoffitVent

Panasonic

- Soffit termination system ideal for new residential construction
- Improves overall fan performance and reduces call backs due to poor airflow
- Unique design eliminates water intrusion associated with roof and/or wall terminations
- Can be rotated 180 degrees to align with ducting
- Low resistance backdraft damper eliminates cold drafts and improves blower door test results
- Designed for ventilation up to 110 CFM



Order #	Mfg. #	Duct Size	Each
X83-422	EZSV14	4"	**65.00**

Under Eave Vents



- Allows ventilation without the need for roof penetration
- Plastic

Order #	Mfg. #	Description	Color	Size	Each
X82-246	UEVD4BG	With Damper	Beige	4"	**24.99**
X82-247	UEVD4BR	With Damper	Brown	4"	**24.99**
X82-248	UEVD4WH	With Damper	White	4"	**24.99**
X83-557	UEV6BR	Without Damper	Brown	6"	**27.99**
X83-556	UEV6WH	Without Damper	White	6"	**27.99**

Galvanized Hooded Wall Vents

NEW



- Ideal round wall vent for most applications
- 28 gauge steel with mill finish

Order #	Mfg. #	Description	Size	Each
M80-102	SWV3	With Screen	3"	**39.99**
M80-103	SWV4	With Screen	4"	**47.49**
M80-104	SWV5	With Screen	5"	**47.99**
M80-105	SWV6	With Screen	6"	**59.00**
M80-106	SWV7	With Screen	7"	**59.00**
M80-107	SWV8	With Screen	8"	**75.00**
M80-108	SWV10	With Screen	10"	**115.00**
M80-109	SWV12	With Screen	12"	**135.00**
M80-110	SWV14	With Screen	14"	**165.00**
M81-923	DWV4	With Damper	4"	**47.49**
M81-924	DWV6	With Damper	6"	**59.00**

Order #	Mfg. #	Description	Size	Each
M81-925	DWV8	With Damper	8"	**69.00**
M81-926	DWV10	With Damper	10"	**115.00**
M81-927	DWV4BK	With Damper - Black	4"	**69.00**
M81-928	SDWV4BR	With Damper & Screen - Brown	4"	**75.00**
M81-929	SDWV6BR	With Damper & Screen - Brown	6"	**99.00**
X82-365	WVE4BK	With Spring Loaded Damper & Screen - Black	4"	**89.00**
X83-961 ◀	WVEB6BK	With Spring Loaded Damper & Screen - Black	6"	**125.00**
X83-674	WVEB8BK	With Spring Loaded Damper & Screen - Black	8"	**135.00**
X83-675	WVEB10BK	With Spring Loaded Damper & Screen - Black	10"	**195.00**
X82-366	WVEBH6BK	With Spring Loaded Damper & Screen - Black	6"	**129.00**

Aluminum Hooded Wall Vents



- For exhaust applications
- .02" aluminum with mill finish

Order #	Mfg. #	Description	Size	Each
M81-913	DWV5A	With Damper	5"	**47.99**
M81-914	DWV6A	With Damper	6"	**55.00**
M81-915	DWV7A	With Damper	7"	**59.00**
M81-916	DWV8A	With Damper	8"	**69.00**
M81-917	SDWV4A	With Damper & Screen	4"	**47.49**
M81-918	SDWV5A	With Damper & Screen	5"	**55.00**
M81-919	SDWV6A	With Damper & Screen	6"	**65.00**
M81-920	SDWV7A	With Damper & Screen	7"	**65.00**
M81-921	SDWV8A	With Damper & Screen	8"	**75.00**
M81-922	SDWV10A	With Damper & Screen	10"	**125.00**
X82-364	WVE4A	With Spring Loaded Damper & Screen	4"	**75.00**

Butterfly Dampers



A



B

- The ideal backdraft damper for solar, fresh air intake, heat exchangers and other air duct applications
- Foam seal provides minimal leakage
- Works for both horizontal and vertical applications
- Ideal for intake or exhaust applications
- Opens easily with normal air flow and closes by gravity

Fig.	Order #	Mfg. #	Size	Each
Standard				
A	**M80-088**	BD4	4"	**37.49**
A	**M80-095**	BD5	5"	**37.49**
A	**M80-089**	BD6	6"	**38.99**
A	**M80-090**	BD7	7"	**45.49**
A	**M80-091**	BD8	8"	**55.00**
A	**M80-092**	BD9	9"	**59.00**
A	**M80-093**	BD10	10"	**85.00**

Fig.	Order #	Mfg. #	Size	Each
A	**M80-094**	BD12	12"	**99.00**
Inline				
B	**M82-117** ◀	BDS4	4"	**45.49**
B	**M82-118** ◀	BDS6	6"	**55.00**
B	**M82-119** ◀	BDS7	7"	**59.00**
B	**M82-120** ◀	BDS8	8"	**69.00**
B	**M82-121** ◀	BDS10	10"	**95.00**

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Plastic Louvered Wall Vents

- For exhaust applications
- High density polyethylene with UV inhibitors
- 1" pipe collar



Order #	Mfg. #	Color	Size	Each
X83-542	LH3WH	White	3"	**10.49**
X83-543	LH4WH	White	4"	**10.99**
X83-544	LH5WH	White	5"	**15.49**
X83-545	LH6WH	White	6"	**20.99**
X83-546	LH7WH	White	7"	**23.99**
X83-547	LH4BR	Brown	4"	**10.99**
X83-548	LH6BR	Brown	6"	**20.99**

Humidity Sensing Wall Control

- Sensaire™ technology - Responds to increases in humidity rather than waiting for condensation to form or a relative humidity set point to be reached
- Precise sensitivity adjustment - Variable setting from 20% to 80% relative humidity so the fan works when the homeowner wants it to regardless of climate or season
- Continuous ventilation mode - Operates fan for set minutes per hour to achieve targeted average CFM levels and efficiently meet ASHRAE 62.2 whole house mechanical ventilation (WHMV) requirements
- Manual operation mode for ultimate user control
- Can be used to comply with California Title 24 and CALGreen



Order #	Mfg. #	Each
X72-301	82W	**135.00**

Electronic Timer Control

- 10, 20, 30 or 60 minute timer
- Includes three color options: white, ivory or light almond
- Does not include switch plate
- 150V/20A



Order #	Mfg. #	Each
X72-058	FD60EM	**119.00**

Digital Bath Fan Control

- Installs in place of a normal switch
- Manually turn fan on/off or program to run at certain times of day for increased energy efficiency and convenience
- Meets ASHRAE 62.2 ventilation standard
- Convenient display



Order #	Mfg. #	Color	Each
G35-898	HVC0001	White	**189.00**

Infinite-Speed Fan Control

- 120V, 60 Hz, 2.5A, 2-wire



Order #	Mfg. #	Each	6 Lot	12 Lot
G22-289	H2882	**159.00**	**149.00**	**145.00**

120 Volt, Single-Speed Motors

- **S58-518** is a double shaft motor; shaft length is same on each end
- **S58-573** and **S58-574** are single shaft motors

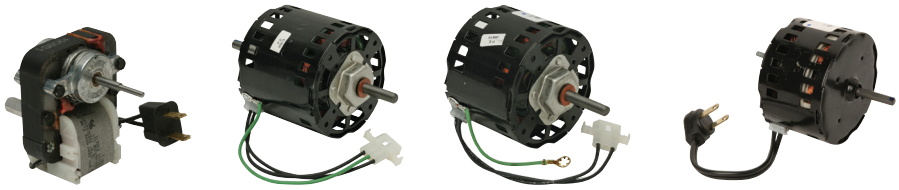


Fig.	Order #	For Use With	Rot.	Shaft Diam.	Length	Thermal Protection	RPM	Amps	Each
A	**S58-600**	505, 507	CWSE	7/32"	15/16"	Thermal	2050	1.5	**245.00**
B	**S58-518**	363383	D/S(SE)	5/16"	1-1/4"	Thermal	1550	2.2	**465.00**
C	**S58-573**	360	CCWSE	5/16"	1-3/8"	Thermal	1550	0.61	**519.00**
C	**S58-574**	361	CCWSE	5/16"	1-3/8"	Thermal	1600	1.15	**549.00**
A	**S58-771**	509, 509S, Nautilus N509S, Grainger 4C705, 4C706	CWSE	7/32"	1-15/16"	Thermal	1550	1.5	**209.00**
—	**X89-939**	655, 656, 658, 659	CWSE	3/16"	1- 316"	Thermal	2700	0.75	**275.00**
D	**S59-548**	676, 695, 696, 710, 712, 714, 720, 721, 722, Nautilus N676, N710, N712, N721, N722, Grainger 4C277A, SC097, SC207	CCWSE	1/4"	1-1/8"	Thermal	1550	1.3	**225.00**

Power Unit Assembly



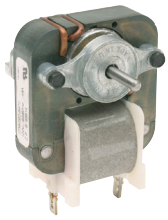
Order #	Mfg. #	For Use With	Each	3 Lot	6 Lot
X89-547	99080245 S97012041	663-G & 688-G	**175.00**	**169.00**	**159.00**

Power Unit Assemblies
For Nutone



Order #	Mfg. #	For Use With	Each
X89-616	S0696B000	QT110	**499.00**
X89-618	S0695B000	QT80	**475.00**

Replacement Motors
For Ventilators Made by Aubrey, Broan, Nutone and Air King



- 120V, 60 Hz, thermally protected
- **S58-760** and **S58-214** come with 2-prong plug
- Mounting studs 6-32 x 1/2" L
- **S58-214** and **S58-760** are not CSA approved

Order #	Mfg. #	Stack Height	Volts	RPM	Speeds	F/L Amps	Efficiency	Shaft Diam.	Shaft Length	Rot.	Bearing Type	Wt. Lbs.	Replaces	Each
S58-214	65102	5/8"	120	3000	1	0.40	30%	7/32"	2-3/8"	CWSE	Slv	0.5	—	**89.00**
S58-760	65709	5/8"	120	3000	1	0.80	30%	7/32"	2-3/8"	CCWSE	Slv	1.5	—	**129.00**
S59-531	65104	3/4"	120	3000	1	0.74	30%	7/32"	1-3/4"	CCW	Slv	1.5	Nutone: 57769; 57769000; C66582	**85.00**
S59-530	65103	7/8"	120	3000	1	0.71	30%	7/32"	1-1/8"	CCW	Slv	1.7	Nutone: 57768; 63675; 63675-000; 63675000; C63675	**85.00**
S59-532	65105	7/8"	120	3000	2	0.88	30%	7/32"	1-7/16"	CCW	Slv	1.7	Nutone: C27987	**55.00**
S58-467	65467	7/8"	120	3000	2	1.00	30%	7/32"	2-3/8"	CWSE	Slv	1.0	—	**149.00**
S58-468	65468	1-3/8"	120	3000	2	1.40	30%	7/32"	2-3/8"	CWSE	Slv	0.5	—	**205.00**

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Ceiling and Wall Diffusers

- For heating, air conditioning and ventilation
- Includes flow/draft damper that easily adjusts by turning in or out
- Polypropylene construction
- **R94-103** accepts 4" round duct
- **R94-104** accepts 6" round duct



Order #	Mfg. #	Each
R94-103	TFG4	**36.49**
R94-104	TFG6	**55.00**

Fan Blade

For Broan Fans

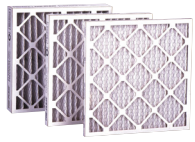
- 12° pitch
- Push-on
- For use with 99080218 (40000 series) range hood



Order #	Replaces	Size	Rot.	Blades	Each	10 Lot
S58-439	99020123 06118-00	6-5/8"	CW	5-Wing	**9.45**	**8.65**

Flanders Extended Surface Pleated Filters

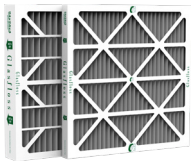
- VP-MERV 8 are economy pleats
- PrePleat 40 are metal backed economy pleats
- ProPleat 40 LPD are high dust capacity and low pressure drop premium filters



Order #	Mfg. #	Dimensions	MERV Rating	Pleats/ Lin. Ft.	Each	12 Lot
PrePleat 40 LPD						
L90-570	80055.0109A20A	9" x 20" x 1"	8	13	**20.49**	**18.49**
L90-571	80055.0109A26A	9" x 26" x 1"	8	13	**23.49**	**20.99**
L99-378	80055.011024	10" x 24" x 1"	8	13	**16.99**	**15.49**
L90-572	80055.011030	10" x 30" x 1"	8	13	**21.99**	**19.99**
L98-756	80055.011212	12" x 12" x 1"	8	13	**12.49**	**10.99**
L90-573	80055.0112A14A	12" x 14" x 1"	8	13	**20.49**	**18.49**
L90-574	80055.011216	12" x 16" x 1"	8	13	**17.49**	**15.49**
L99-379	80055.011218	12" x 18" x 1"	8	13	**25.49**	**22.99**
L99-380	80055.011220	12" x 20" x 1"	8	13	**13.99**	**12.49**
L97-514	80055.011224	12" x 24" x 1"	8	13	**13.99**	**12.49**
L99-381	80055.011230	12" x 30" x 1"	8	13	**19.99**	**17.99**
L98-757	80055.011414	14" x 14" x 1"	8	13	**12.99**	**11.99**
L90-575	80055.0114A16A	14" x 16" x 1"	8	13	**23.49**	**20.99**
L97-516	80055.011420	14" x 20" x 1"	8	13	**13.99**	**12.49**
L97-518	80055.011425	14" x 25" x 1"	8	13	**13.99**	**12.99**
L97-520	80055.011520	15" x 20" x 1"	8	13	**14.49**	**12.99**
L97-522	80055.011620	16" x 20" x 1"	8	13	**12.49**	**11.49**
L98-749	80055.011625	16" x 25" x 1"	8	13	**13.99**	**12.49**
L90-576	80055.0116A28A	16" x 28" x 1"	8	13	**24.99**	**22.49**
L99-382	80055.011630	16" x 30" x 1"	8	13	**19.99**	**17.99**
L99-383	80055.011818	18" x 18" x 1"	8	13	**15.99**	**14.49**
L99-384	80055.011820	18" x 20" x 1"	8	13	**15.99**	**13.99**
L97-526	80055.011824	18" x 24" x 1"	8	13	**19.49**	**17.99**
L99-385	80055.011825	18" x 25" x 1"	8	13	**15.49**	**13.99**
L99-386	80055.011830	18" x 30" x 1"	8	13	**23.49**	**21.49**
L97-528	80055.012020	20" x 20" x 1"	8	13	**13.99**	**12.49**
L99-440	80055.012022	20" x 22" x 1"	8	13	**17.49**	**15.99**
L99-387	80055.012024	20" x 24" x 1"	8	13	**16.99**	**15.49**
L97-531	80055.012025	20" x 25" x 1"	8	13	**15.49**	**13.99**
L98-750	80055.012030	20" x 30" x 1"	8	13	**18.49**	**16.49**
L99-388	80055.012121	21" x 21" x 1"	8	13	**19.99**	**17.99**
L99-389	80055.012222	22" x 22" x 1"	8	13	**18.99**	**16.99**
L98-751	80055.012424	24" x 24" x 1"	8	13	**17.99**	**15.99**
L90-577	80055.0124A36A	24" x 36" x 1"	8	13	**46.49**	**41.99**
L98-752	80055.012525	25" x 25" x 1"	8	13	**20.99**	**18.99**
L90-578	80055.0125A30A	25" x 30" x 1"	8	13	**25.99**	**23.49**
L90-579	80055.0130A30A	30" x 30" x 1"	8	13	**44.49**	**39.99**
L97-515	80055.021224	12" x 24" x 2"	8	10	**15.99**	**14.49**
L97-517	80055.021420	14" x 20" x 2"	8	10	**18.99**	**16.49**
L97-519	80055.021425	14" x 25" x 2"	8	10	**18.49**	**16.99**
L97-521	80055.021520	15" x 20" x 2"	8	10	**16.99**	**15.49**
L97-523	80055.021620	16" x 20" x 2"	8	10	**17.49**	**13.49**
L97-525	80055.021625	16" x 25" x 2"	8	10	**18.99**	**14.49**
L99-249	80055.021820	18" x 20" x 2"	8	10	**21.49**	**16.99**
L97-527	80055.021824	18" x 24" x 2"	8	10	**19.99**	**17.99**
L97-529	80055.022020	20" x 20" x 2"	8	10	**19.49**	**14.99**
L97-530	80055.022024	20" x 24" x 2"	8	10	**19.99**	**18.49**
L97-532	80055.022025	20" x 25" x 2"	8	10	**22.49**	**17.49**
L99-441	80055.022030	20" x 30" x 2"	8	10	**24.99**	**22.49**
L97-534	80055.022424	24" x 24" x 2"	8	10	**24.99**	**18.99**
L99-442	80055.022430	24" x 30" x 2"	8	10	**43.49**	**39.49**
L97-536	80055.022525	25" x 25" x 2"	8	10	**27.99**	**21.99**
L97-524	80055.041620	16" x 20" x 4"	8	9	**36.49**	**33.49**
L99-443	80055.041625	16" x 25" x 4"	8	9	**33.99**	**30.99**
L99-444	80055.041824	18" x 24" x 4"	8	9	**34.49**	**30.99**
L99-445	80055.042024	20" x 24" x 4"	8	9	**36.49**	**32.99**
L97-533	80055.042025	20" x 25" x 4"	8	9	**41.99**	**38.49**
L97-535	80055.042424	24" x 24" x 4"	8	9	**43.99**	**38.99**
PrePleat 40 High Cap						
L97-547	80255.021620	16" x 20" x 2"	8	15	**20.49**	**17.99**
L97-548	80255.021625	16" x 25" x 2"	8	15	**22.49**	**18.99**
L97-549	80255.022020	20" x 20" x 2"	8	15	**22.99**	**19.49**
L97-550	80255.022025	20" x 25" x 2"	8	15	**26.49**	**22.49**

Glasfloss Industries

Z-Line Series Carbotron Pleated Filters



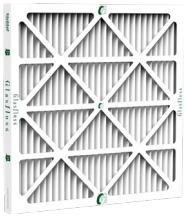
- The Carbotron pleated filter offers MERV 8 particulate filtration combined with moderate odor control in a single unit.

Order #	Mfg. #	Dimensions	MERV Rating	Pleats/Lin. Ft.	Case Qty.
L61-642	ZLN101014AC	10" x 10" x 1"	8	16	12
L61-643	ZLN102014AC	10" x 20" x 1"	8	16	12
L61-644	ZLN122014AC	12" x 20" x 1"	8	16	12
L61-645	ZLN122414AC	12" x 24" x 1"	8	16	12
L61-646	ZLN122424AC	12" x 24" x 2"	8	15	12
L61-647	ZLN142514AC	14" x 25" x 1"	8	16	12
L61-648	ZLN162014AC	16" x 20" x 1"	8	16	12
L61-649	ZLN162024AC	16" x 20" x 2"	8	15	12
L61-650	ZLN162044AC	16" x 20" x 4"	8	11	6
L61-651	ZLN162514AC	16" x 25" x 1"	8	16	12
L94-630	ZLN162524AC	16" x 25" x 2"	8	15	12
L61-652	ZLN162544AC	16" x 25" x 4"	8	11	6
L61-653	ZLN182424AC	18" x 24" x 2"	8	15	12

Order #	Mfg. #	Dimensions	MERV Rating	Pleats/Lin. Ft.	Case Qty.
L61-654	ZLN202014AC	20" x 20" x 1"	8	16	12
L61-655	ZLN202024AC	20" x 20" x 2"	8	15	12
L61-656	ZLN202044AC	20" x 20" x 4"	8	11	6
L61-657	ZLN202414AC	20" x 24" x 1"	8	16	12
L61-658	ZLN202424AC	20" x 24" x 2"	8	15	12
L61-659	ZLN202514AC	20" x 25" x 1"	8	16	12
L61-660	ZLN202524AC	20" x 25" x 2"	8	15	12
L61-661	ZLN202544AC	20" x 25" x 4"	8	11	6
L61-662	ZLN203014AC	20" x 30" x 1"	8	16	12
L61-663	ZLN242414AC	24" x 24" x 1"	8	16	12
L94-631	ZLN242424AC	24" x 24" x 2"	8	15	12
L61-664	ZLN252524AC	25" x 25" x 2"	8	15	12

Glasfloss Industries

Z-Line Series Standard Capacity Pleated Filters



- Pleated filters feature fibers which do not absorb moisture and will not support microbial growth

Order #	Mfg. #	Dimensions	MERV Rating	Pleats/Lin. Ft.	Case Qty.
L94-554	ZLP10101	10" x 10" x 1"	10	14	12
L94-556	ZLP10201	10" x 20" x 1"	10	14	12
L61-665	ZLP10202	10" x 20" x 2"	10	10	12
L94-557	ZLP10241	10" x 24" x 1"	10	14	12
L94-558	ZLP10301	10" x 30" x 1"	10	14	12
L94-559	ZLP12121	12" x 12" x 1"	10	14	12
L95-199	ZLP12122	12" x 12" x 2"	10	14	12
L94-561	ZLP12201	12" x 20" x 1"	10	14	12
L94-600	ZLP12202	12" x 20" x 2"	10	10	12
L94-562	ZLP12241	12" x 24" x 1"	10	14	12
L94-601	ZLP12242	12" x 24" x 2"	10	10	12
L94-621	ZLP12244	12" x 24" x 4"	10	10	6
L94-563	ZLP12251	12" x 25" x 1"	10	14	12
L94-564	ZLP12301	12" x 30" x 1"	10	14	12
L94-565	ZLP14141	14" x 14" x 1"	10	14	12
L94-566	ZLP14201	14" x 20" x 1"	10	14	12
L94-602	ZLP14202	14" x 20" x 2"	10	10	12
L94-567	ZLP14241	14" x 24" x 1"	10	14	12
L94-568	ZLP14251	14" x 25" x 1"	10	14	12
L94-603	ZLP14252	14" x 25" x 2"	10	10	12
L94-569	ZLP14301	14" x 30" x 1"	10	14	12
L94-570	ZLP15201	15" x 20" x 1"	10	14	12
L94-604	ZLP15202	15" x 20" x 2"	10	10	12
L61-666	ZLP1530K1	15" x 30.625" x 1"	10	14	12
L94-571	ZLP16161	16" x 16" x 1"	10	14	12
L94-605	ZLP16162	16" x 16" x 2"	10	10	12
L94-572	ZLP16201	16" x 20" x 1"	10	14	12
L94-606	ZLP16202	16" x 20" x 2"	10	10	12
L94-622	ZLP16204	16" x 20" x 4"	10	10	6
L94-573	ZLP16241	16" x 24" x 1"	10	14	12
L94-607	ZLP16242	16" x 24" x 2"	10	10	12
L94-623	ZLP16244	16" x 24" x 4"	10	10	6
L94-574	ZLP16251	16" x 25" x 1"	10	14	12

Order #	Mfg. #	Dimensions	MERV Rating	Pleats/Lin. Ft.	Case Qty.
L94-608	ZLP16252	16" x 25" x 2"	10	10	12
L94-624	ZLP16254	16" x 25" x 4"	10	10	6
L94-575	ZLP16301	16" x 30" x 1"	10	14	12
L94-579	ZLP18181	18" x 18" x 1"	10	14	12
L94-610	ZLP18182	18" x 18" x 2"	10	10	12
L94-580	ZLP18201	18" x 20" x 1"	10	14	12
L94-611	ZLP18202	18" x 20" x 2"	10	10	12
L94-581	ZLP18241	18" x 24" x 1"	10	14	12
L94-612	ZLP18242	18" x 24" x 2"	10	10	12
L94-625	ZLP18244	18" x 24" x 4"	10	10	6
L94-582	ZLP18251	18" x 25" x 1"	10	14	12
L94-613	ZLP18252	18" x 25" x 2"	10	10	12
L94-583	ZLP18301	18" x 30" x 1"	10	14	12
L94-584	ZLP20201	20" x 20" x 1"	10	14	12
L94-614	ZLP20202	20" x 20" x 2"	10	10	12
L94-626	ZLP20204	20" x 20" x 4"	10	10	6
L94-586	ZLP20221	20" x 22" x 1"	10	14	12
L94-588	ZLP20241	20" x 24" x 1"	10	14	12
L94-615	ZLP20242	20" x 24" x 2"	10	10	12
L94-627	ZLP20244	20" x 24" x 4"	10	10	6
L94-589	ZLP20251	20" x 25" x 1"	10	14	12
L94-616	ZLP20252	20" x 25" x 2"	10	10	12
L94-628	ZLP20254	20" x 25" x 4"	10	10	6
L94-590	ZLP20301	20" x 30" x 1"	10	14	12
L94-617	ZLP20302	20" x 30" x 2"	10	10	12
L94-596	ZLP22221	22" x 22" x 1"	10	14	12
L94-597	ZLP24241	24" x 24" x 1"	10	14	12
L94-618	ZLP24242	24" x 24" x 2"	10	10	12
L94-629	ZLP24244	24" x 24" x 4"	10	10	6
L94-598	ZLP24301	24" x 30" x 1"	10	14	12
L94-599	ZLP25251	25" x 25" x 1"	10	14	12
L94-620	ZLP25252	25" x 25" x 2"	10	10	12
L61-667	ZLP25294	25" x 29" x 4"	10	9	6

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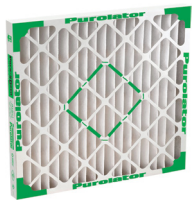
Puro-green® MERV 13 Extended Surface Pleated Filters ◀ NEW

- Durable, moisture-resistant 100% synthetic media
- Low pressure drop and high dust loading
- Quality engineered for consistent production
- Qualifies for LEED certification points
- Proudly made in the U.S.A.



Order #	Mfg. #	Dimensions	Pleats/Lin. Ft.	Each
L60-007	5265190570	10" x 10" x 1"	14	**28.99**
L60-008	5265121558	10" x 20" x 1"	14	**22.49**
L60-009	5265103353	10" x 24" x 1"	14	**27.49**
L60-010	5265174491	12" x 12" x 1"	14	**28.99**
L60-011	5265103529	12" x 16" x 1"	14	**27.49**
L60-012	5265107077	12" x 20" x 1"	14	**24.49**
L60-013	5265185916	12" x 24" x 1"	14	**25.99**
L60-014	5265180881	14" x 14" x 1"	14	**33.49**
L60-015	5265191909	14" x 20" x 1"	14	**24.99**
L60-016	5265155540	14" x 24" x 1"	14	**31.99**
L60-017	5265180132	14" x 25" x 1"	14	**28.49**
L60-018	5265103362	14" x 30" x 1"	14	**37.49**
L60-019	5265184971	15" x 20" x 1"	14	**25.99**
L60-020	5265125202	15" x 30" x 1"	14	**39.99**
L60-021	5265124474	16" x 16" x 1"	14	**23.49**
L60-022	5265191736	16" x 20" x 1"	14	**25.99**
L60-023	5265103350	16" x 24" x 1"	14	**33.49**
L60-024	5265141177	16" x 25" x 1"	14	**27.99**
L60-025	5265125613	16" x 30" x 1"	14	**44.49**
L60-026	5265179139	18" x 18" x 1"	14	**33.49**
L60-027	5265174262	18" x 20" x 1"	14	**32.49**
L60-028	5265106394	18" x 22" x 1"	14	**36.49**
L60-029	5265122143	18" x 24" x 1"	14	**32.49**
L60-030	5265181621	18" x 25" x 1"	14	**32.99**
L60-031	5265171894	20" x 20" x 1"	14	**27.99**
L60-032	5265171890	20" x 22" x 1"	14	**34.99**
L60-033	5265173278	20" x 24" x 1"	14	**33.99**
L60-034	5265184041	20" x 25" x 1"	14	**31.49**
L60-035	5265103363	22" x 22" x 1"	14	**36.49**
L60-036	5265173261	24" x 24" x 1"	14	**35.49**
L60-037	5265188015	24" x 30" x 1"	14	**45.49**

Order #	Mfg. #	Dimensions	Pleats/Lin. Ft.	Each
L60-038	5265124785	25" x 25" x 1"	14	**41.49**
L60-039	5265103361	30" x 20" x 1"	14	**37.49**
L60-040	5265203471	10" x 20" x 2"	15	**33.49**
L60-041	5265227389	12" x 20" x 2"	15	**33.49**
L60-042	5265215199	12" x 24" x 2"	15	**35.99**
L60-043	5265202867	14" x 20" x 2"	15	**34.49**
L60-044	5265202869	14" x 25" x 2"	15	**39.49**
L60-045	5265206086	15" x 20" x 2"	15	**28.99**
L62-697 ◀	5265303737	16" x 16" x 2"	15	**85.00**
L60-046	5265288666	16" x 20" x 2"	15	**36.49**
L60-047	5265292811	16" x 24" x 2"	15	**41.49**
L60-048	5265280763	16" x 25" x 2"	15	**41.49**
L60-049	5265202871	18" x 20" x 2"	15	**46.99**
L60-050	5265272452	18" x 24" x 2"	15	**49.49**
L60-051	5265206580	18" x 25" x 2"	15	**55.00**
L60-052	5265294343	20" x 20" x 2"	15	**38.99**
L60-053	5265292693	20" x 24" x 2"	15	**49.49**
L60-054	5265202817	20" x 25" x 2"	15	**46.99**
L60-055	5265207270	20" x 30" x 2"	15	**69.00**
L60-056	5265283450	24" x 24" x 2"	11	**55.00**
L60-057	5265286732	25" x 25" x 2"	15	**65.00**
L60-058	5265421396	12" x 24" x 4"	11	**47.49**
L60-059	5265484026	16" x 20" x 4"	11	**59.00**
L60-060	5265421600	16" x 25" x 4"	11	**75.00**
L60-061	5265403275	18" x 24" x 4"	11	**79.00**
L60-062	5265492513	20" x 20" x 4"	11	**75.00**
L60-063	5265403276	20" x 24" x 4"	11	**79.00**
L60-064	5265407463	20" x 25" x 4"	11	**75.00**
L60-065	5265455222	24" x 24" x 4"	11	**85.00**
L60-125	5265292524	20" x 35" x 2"	11	**89.00**

Hundreds of Thousands of OEM Solutions at Your Fingertips

For all of your AC needs *supporting you from installation and beyond*

SOURCE 1 HVAC Service Parts · PARTNERS choice Universal HVAC Parts & Accessories · ARMSTRONG AIR The Professional's Choice · Coleman HEATING AND AIR CONDITIONING · Goodman Air Conditioning & Heating · DAIKIN · Amana Heating & Air Conditioning · FUJITSU · AO Smith · ALLIED Air Enterprises · YORK INSTALL CONFIDENCE · FRIEDRICH



Purolator



Purolator Extended Surface Pleated Filters

- Key Pleats are self-supporting and do not require metal backing
- Hi-E 40 are metal backed
- FMEX40 are high capacity

Order #	Dimensions	MERV Rating	Pleats/Lin. Ft.	Each	12 Lot
Key Pleat Self Support					
L91-548	10" x 20" x 1"	8	11	18.49	15.99
L91-549	10" x 24" x 1"	8	11	23.49	19.99
L91-550	12" x 12" x 1"	8	11	20.49	17.49
L91-551	12" x 20" x 1"	8	11	18.99	16.49
L91-552	12" x 24" x 1"	8	11	19.99	17.49
L91-553	14" x 14" x 1"	8	11	22.99	19.99
L91-554	14" x 20" x 1"	8	11	18.99	16.49
L91-555	14" x 24" x 1"	8	11	23.49	19.99
L91-556	14" x 25" x 1"	8	11	20.49	17.49
L91-557	14" x 30" x 1"	8	11	29.49	24.99
L91-558	15" x 20" x 1"	8	11	19.49	16.49
L91-559	16" x 16" x 1"	8	11	21.49	18.49
L91-560	16" x 20" x 1"	8	11	15.49	13.49
L91-561	16" x 24" x 1"	8	11	22.49	19.49
L91-562	16" x 25" x 1"	8	11	16.99	14.99
L91-563	16" x 30" x 1"	8	11	30.49	25.99
L91-564	18" x 18" x 1"	8	11	25.49	21.99
L91-565	18" x 20" x 1"	8	11	22.99	19.99
L91-566	18" x 24" x 1"	8	11	22.99	19.99
L91-567	18" x 25" x 1"	8	11	24.49	21.49
L91-568	20" x 20" x 1"	8	11	16.99	14.49
L91-569	20" x 22" x 1"	8	11	26.49	22.99
L91-570	20" x 24" x 1"	8	11	24.99	21.49
L91-571	20" x 25" x 1"	8	11	19.49	16.49
L91-572	20" x 30" x 1"	8	11	31.49	26.99
L91-573	24" x 24" x 1"	8	11	24.49	20.99
L91-574	24" x 30" x 1"	8	11	36.99	31.49
L91-575	25" x 25" x 1"	8	11	27.99	23.99
L91-576	10" x 20" x 2"	8	10	22.99	19.49
L91-577	12" x 20" x 2"	8	10	22.49	19.49
L91-578	12" x 24" x 2"	8	10	20.99	17.99
L91-579	14" x 20" x 2"	8	10	22.49	19.49
L91-580	14" x 25" x 2"	8	10	25.49	21.99
L91-581	15" x 20" x 2"	8	10	21.99	18.99
L91-582	16" x 16" x 2"	8	10	22.99	19.99
L91-583	16" x 20" x 2"	8	10	15.49	13.49
L91-584	16" x 24" x 2"	8	10	23.99	20.49
L91-585	16" x 25" x 2"	8	10	17.49	14.99
L91-586	18" x 18" x 2"	8	10	27.49	23.49
L91-587	18" x 20" x 2"	8	10	26.99	23.49
L91-588	18" x 24" x 2"	8	10	25.49	21.99
L91-589	18" x 25" x 2"	8	10	29.99	25.49
L91-590	20" x 20" x 2"	8	10	17.99	15.49
L91-591	20" x 24" x 2"	8	10	26.49	22.49
L91-592	20" x 25" x 2"	8	10	20.99	17.99
L91-593	20" x 30" x 2"	8	10	34.99	29.99
L91-594	24" x 24" x 2"	8	10	23.99	20.49
L91-595	25" x 25" x 2"	8	10	33.99	29.49
L91-596	12" x 24" x 4"	8	9	36.49	31.49
L91-597	16" x 20" x 4"	8	9	32.99	28.49
L91-598	16" x 25" x 4"	8	9	36.99	31.49
L91-599	18" x 24" x 4"	8	9	48.49	41.99
L91-600	20" x 24" x 4"	8	9	48.49	41.99
L91-601	20" x 20" x 4"	8	9	38.49	32.99
L91-602	20" x 25" x 4"	8	9	44.49	38.49
L91-603	24" x 24" x 4"	8	9	47.49	40.99
Hi-E 40					
L62-689 ◄	10" x 20" x 1"	8	11	14.99	—
L62-690 ◄	12" x 20" x 1"	8	11	15.49	—
L96-536	12" x 24" x 1"	8	11	15.49	14.49
L96-537	14" x 20" x 1"	8	11	14.99	13.49
L62-692 ◄	14" x 24" x 1"	8	11	18.49	—
L96-538	14" x 25" x 1"	8	11	14.99	13.49
L96-539	15" x 20" x 1"	8	11	15.49	13.99
L62-686 ◄	16" x 16" x 1"	8	11	17.99	—
L96-540	16" x 20" x 1"	8	11	14.49	13.49
L62-688 ◄	16" x 24" x 1"	8	11	18.49	—
L98-684	16" x 25" x 1"	8	11	16.49	14.99
L62-687 ◄	18" x 20" x 1"	8	11	20.49	—
L96-541	18" x 24" x 1"	8	11	24.49	22.49
L96-542	20" x 20" x 1"	8	11	15.99	14.49
L62-691 ◄	20" x 24" x 1"	8	11	19.49	—
L96-543	20" x 25" x 1"	8	11	18.49	16.49
L62-693 ◄	20" x 22" x 1"	8	11	20.49	—
L98-685	20" x 30" x 1"	8	11	25.49	22.99
L98-686	24" x 24" x 1"	8	11	19.99	17.99
L98-687	25" x 25" x 1"	8	11	21.49	19.49
L62-682 ◄	10" x 20" x 2"	8	10	17.99	—
L62-683 ◄	12" x 20" x 2"	8	10	19.99	—
L96-382	12" x 24" x 2"	8	10	19.49	17.49
L96-544	14" x 20" x 2"	8	10	22.99	19.99
L96-545	14" x 25" x 2"	8	10	22.49	20.49
L96-546	15" x 20" x 2"	8	10	20.49	18.49
L62-679 ◄	16" x 16" x 2"	8	10	17.99	—
L96-151	16" x 20" x 2"	8	10	19.49	15.49
L62-681 ◄	16" x 24" x 2"	8	10	19.49	—
L96-152	16" x 25" x 2"	8	10	21.99	16.99
L62-685 ◄	18" x 18" x 2"	8	10	20.49	—
L62-680 ◄	18" x 20" x 2"	8	10	21.99	—
L96-547	18" x 24" x 2"	8	10	24.49	22.49
L62-684 ◄	18" x 25" x 2"	8	10	22.99	—
L96-153	20" x 20" x 2"	8	10	22.49	17.49
L96-383	20" x 24" x 2"	8	10	25.49	22.99
L96-154	20" x 25" x 2"	8	10	25.99	20.49
L98-688	20" x 30" x 2"	8	10	41.49	32.49
L96-155	24" x 24" x 2"	8	10	28.99	22.49
L96-156	25" x 25" x 2"	8	10	35.49	27.99
L62-695 ◄	14" x 24" x 4"	8	11	59.00	—
L96-548	16" x 20" x 4"	8	9	34.99	31.99
L62-696 ◄	18" x 24" x 4"	8	9	37.49	—
L62-694 ◄	20" x 24" x 4"	8	9	37.99	—
L96-384	20" x 25" x 4"	8	9	42.49	38.49
L96-385	24" x 24" x 4"	8	9	43.49	38.99

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Replacement Filter for Air Bear™

- Designed for use in media air cleaners such as Air Bear™ and Space-Guard™
- Filter is fully contained in its own frame
- Captures pollen, dust, tobacco smoke residue, grease, pet dander, etc.
- For systems up to 2,000 CFM; average arrestance of 90% to 93% dust retention
- 95% open face area with moisture resistant frame



Order #	Mfg. #	Dimensions	MERV Rating	Each
L96-468	P5	20" x 25" x 5"	8	**89.00**

Air Bear® Series Air Cleaner Replacement Filters

- Replacement filter for OEM air cleaners



Order #	Mfg. #	MERV Rating
L94-728	ABP20255	10
L60-897	ABP20255M11	11

Order #	Mfg. #	MERV Rating
L60-898	ABP20255M13	13

Replacement Filter for Air Bear™

- For use in Air Bear™ media air cleaners



Order #	Mfg. #	Dimensions	MERV Rating	Each
L97-597	82655.052025	20" x 25" x 5"	8	**79.00**

Disposable Fiberglass Filters



Order #	Dimensions	Each	12 Lot
L97-513	8" x 30" x 1"	**11.99**	**9.69**
L97-473	10" x 16" x 1"	**11.99**	**9.69**
L97-474	10" x 20" x 1"	**5.09**	**4.15**
L97-475	10" x 24" x 1"	**5.39**	**4.29**
L97-476	10" x 25" x 1"	**6.19**	**5.05**
L97-477	10" x 30" x 1"	**6.45**	**5.25**
L97-478	12" x 12" x 1"	**4.49**	**3.65**
L97-479	12" x 16" x 1"	**9.75**	**7.89**
L97-480	12" x 18" x 1"	**6.75**	**5.25**
L97-481	12" x 20" x 1"	**5.19**	**4.25**
L97-482	12" x 24" x 1"	**5.75**	**4.59**
L97-483	12" x 25" x 1"	**6.19**	**5.05**
L97-484	12" x 30" x 1"	**7.45**	**5.89**
L97-485	14" x 14" x 1"	**5.79**	**4.59**

Order #	Dimensions	Each	12 Lot
L99-432	14" x 18" x 1"	**4.45**	**4.05**
L97-486	14" x 20" x 1"	**5.39**	**4.29**
L97-487	14" x 24" x 1"	**7.25**	**5.75**
L97-488	14" x 25" x 1"	**6.05**	**4.85**
L97-489	14" x 30" x 1"	**7.75**	**6.09**
L97-490	15" x 20" x 1"	**5.55**	**4.45**
L97-491	15" x 25" x 1"	**6.75**	**5.45**
L97-492	15" x 30" x 1"	**11.99**	**9.35**
L97-493	16" x 16" x 1"	**5.19**	**4.25**
L97-494	16" x 20" x 1"	**5.49**	**4.45**
L97-495	16" x 24" x 1"	**5.99**	**5.39**
L97-496	16" x 25" x 1"	**5.75**	**4.65**
L97-497	16" x 30" x 1"	**10.99**	**8.45**
L97-498	18" x 18" x 1"	**6.65**	**5.25**

Order #	Dimensions	Each	12 Lot
L97-499	18" x 20" x 1"	**6.75**	**5.25**
L97-500	18" x 24" x 1"	**7.65**	**6.05**
L97-501	18" x 25" x 1"	**7.35**	**5.85**
L97-502	18" x 30" x 1"	**10.99**	**8.59**
L97-503	19" x 27" x 1"	**15.49**	**12.49**
L97-505	20" x 22-1/4" x 1"	**8.25**	**6.49**
L97-504	20" x 20" x 1"	**5.99**	**4.85**
L97-506	20" x 24" x 1"	**7.45**	**5.89**
L97-507	20" x 25" x 1"	**7.29**	**5.89**
L97-508	20" x 30" x 1"	**7.49**	**6.09**
L97-509	22" x 22" x 1"	**12.49**	**9.55**
L97-510	24" x 24" x 1"	**7.29**	**5.85**
L97-511	24" x 30" x 1"	**8.09**	**6.55**
L97-512	25" x 25" x 1"	**7.79**	**6.29**

Glasfloss Industries



Disposable Panel Filters

- Disposable panel filter with "double strut" construction
- Design provides 10% greater open media area than traditional metal grill filters

Order #	Mfg. #	Dimensions	Case Qty.
L94-649	GDS08301	8" x 30" x 1"	12
L94-650	GDS10101	10" x 10" x 1"	12
L94-652	GDS10201	10" x 20" x 1"	12
L60-915	GDS10202	10" x 20" x 2"	12
L94-653	GDS10241	10" x 24" x 1"	12
L60-916	GDS10251	10" x 25" x 1"	12
L94-654	GDS10301	10" x 30" x 1"	12
L94-655	GDS12121	12" x 12" x 1"	12
L94-657	GDS12161	12" x 16" x 1"	12
L94-658	GDS12181	12" x 18" x 1"	12
L94-659	GDS12201	12" x 20" x 1"	12
L94-660	GDS12241	12" x 24" x 1"	12
L60-917	GDS12242	12" x 24" x 2"	12
L94-661	GDS12251	12" x 25" x 1"	12
L94-662	GDS12301	12" x 30" x 1"	12
L94-663	GDS12361	12" x 36" x 1"	12
L94-664	GDS14141	14" x 14" x 1"	12
L94-665	GDS14181	14" x 18" x 1"	12
L95-201	GDS14201	14" x 20" x 1"	12
L94-691	GDS14202	14" x 20" x 2"	12
L94-666	GDS14241	14" x 24" x 1"	12
L95-202	GDS14251	14" x 25" x 1"	12
L94-692	GDS14252	14" x 25" x 2"	12
L94-668	GDS14301	14" x 30" x 1"	12
L94-669	GDS15201	15" x 20" x 1"	12
L94-693	GDS15202	15" x 20" x 2"	12
L94-670	GDS15251	15" x 25" x 1"	12
L94-671	GDS15301	15" x 30" x 1"	12
L60-918	GDS1530K1	15" x 30.625" x 1"	12
L94-672	GDS16161	16" x 16" x 1"	12
L94-694	GDS16162	16" x 16" x 2"	12

Order #	Mfg. #	Dimensions	Case Qty.
L60-919	GDS16181	16" x 18" x 1"	12
L95-203	GDS16201	16" x 20" x 1"	12
L94-695	GDS16202	16" x 20" x 2"	12
L94-673	GDS16241	16" x 24" x 1"	12
L95-207	GDS16242	16" x 24" x 2"	12
L95-204	GDS16251	16" x 25" x 1"	12
L94-696	GDS16252	16" x 25" x 2"	12
L94-674	GDS16301	16" x 30" x 1"	12
L94-676	GDS18181	18" x 18" x 1"	12
L94-677	GDS18201	18" x 20" x 1"	12
L94-678	GDS18241	18" x 24" x 1"	12
L95-208	GDS18242	18" x 24" x 2"	12
L94-679	GDS18251	18" x 25" x 1"	12
L94-680	GDS18301	18" x 30" x 1"	12
L94-681	GDS18361	18" x 36" x 1"	12
L95-205	GDS20201	20" x 20" x 1"	12
L94-698	GDS20202	20" x 20" x 2"	12
L60-920	GDS2022D1	20" x 22.25" x 1"	12
L94-684	GDS20241	20" x 24" x 1"	12
L94-699	GDS20242	20" x 24" x 2"	12
L95-206	GDS20251	20" x 25" x 1"	12
L94-700	GDS20252	20" x 25" x 2"	12
L94-685	GDS20301	20" x 30" x 1"	12
L60-921	GDS22221	22" x 22" x 1"	12
L94-687	GDS24241	24" x 24" x 1"	12
L94-701	GDS24242	24" x 24" x 2"	12
L94-688	GDS24301	24" x 30" x 1"	12
L94-689	GDS24361	24" x 36" x 1"	12
L94-690	GDS25251	25" x 25" x 1"	12
L94-702	GDS25252	25" x 25" x 2"	12

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Disposable Synthetic Panel Filters

- Synthetic media in a monobond frame construction
- Modified pinch with notch



Order #	Mfg. #	Dimensions	MERV Rating	Case Qty.	Each
L60-357	5042193704	8" x 30" x 1"	<5	12	**13.99**
L60-356	5042193710	10" x 16" x 1"	<5	12	**11.99**
L60-373	5042193711	10" x 20" x 1"	<5	12	**10.99**
L60-355	5042193712	10" x 24" x 1"	<5	12	**13.99**
L60-354	5042193713	10" x 25" x 1"	<5	12	**13.49**
L60-353	5042193716	10" x 30" x 1"	<5	12	**13.99**
L60-352	5042193717	12" x 12" x 1"	<5	12	**12.49**
L60-351	5042193718	12" x 16" x 1"	<5	12	**12.49**
L60-338	5042193719	12" x 18" x 1"	<5	12	**12.99**
L60-370	5042193720	12" x 20" x 1"	<5	12	**10.99**
L60-374	5042193721	12" x 24" x 1"	<5	12	**11.49**
L60-358	5042193722	12" x 25" x 1"	<5	12	**13.99**
L60-348	5042193725	12" x 30" x 1"	<5	12	**14.49**
L60-342	5042193726	14" x 14" x 1"	<5	12	**13.99**
L60-372	5042193737	14" x 20" x 1"	<5	12	**10.99**
L60-361	5042193739	14" x 24" x 1"	<5	12	**14.49**
L60-375	5042193740	14" x 25" x 1"	<5	12	**11.99**
L60-337	5042193741	14" x 30" x 1"	<5	12	**17.49**
L60-371	5042193745	15" x 20" x 1"	<5	12	**11.49**
L60-350	5042193746	15" x 25" x 1"	<5	12	**14.49**
L60-336	5042193747	15" x 30" x 1"	<5	12	**15.99**
L60-349	5042193751	16" x 16" x 1"	<5	12	**13.49**
L60-377	5042193754	16" x 20" x 1"	<5	12	**11.49**
L60-347	5042193755	16" x 24" x 1"	<5	12	**13.49**
L60-378	5042193760	16" x 25" x 1"	<5	12	**11.99**
L60-335	5042193761	16" x 30" x 1"	<5	12	**15.49**
L60-346	5042193763	18" x 18" x 1"	<5	12	**15.49**
L60-345	5042193765	18" x 20" x 1"	<5	12	**13.99**

Order #	Mfg. #	Dimensions	MERV Rating	Case Qty.	Each
L60-344	5042193766	18" x 24" x 1"	<5	12	**13.99**
L60-343	5042193767	18" x 25" x 1"	<5	12	**14.99**
L60-334	5042193768	18" x 30" x 1"	<5	12	**16.49**
L60-376	5042193769	20" x 20" x 1"	<5	12	**10.49**
L60-341	5042193771	20" x 22-1/4x1"	<5	12	**14.99**
L60-340	5042193774	20" x 24" x 1"	<5	12	**15.49**
L60-369	5042193776	20" x 25" x 1"	<5	12	**11.99**
L60-366	5042193778	20" x 30" x 1"	<5	12	**18.99**
L60-339	5042193779	22" x 22" x 1"	<5	12	**15.49**
L60-368	5042193780	24" x 24" x 1"	<5	12	**14.99**
L60-333	5042193781	24" x 30" x 1"	<5	12	**22.49**
L60-367	5042193783	25" x 25" x 1"	<5	12	**16.99**
L60-332	5042293784	10" x 20" x 2"	<5	12	**16.49**
L60-331	5042293785	12" x 24" x 2"	<5	12	**14.99**
L60-330	5042293786	14" x 20" x 2"	<5	12	**15.99**
L60-329	5042293787	14" x 25" x 2"	<5	12	**18.49**
L60-328	5042293790	15" x 20" x 2"	<5	12	**15.99**
L60-327	5042293792	16" x 16" x 2"	<5	12	**16.99**
L60-365	5042293793	16" x 20" x 2"	<5	12	**12.99**
L60-325	5042293794	16" x 24" x 2"	<5	12	**16.99**
L60-364	5042293795	16" x 25" x 2"	<5	12	**12.99**
L60-326	5042293800	18" x 24" x 2"	<5	12	**18.49**
L60-363	5042293802	20" x 20" x 2"	<5	12	**13.49**
L60-360	5042293805	20" x 24" x 2"	<5	12	**19.49**
L60-362	5042293806	20" x 25" x 2"	<5	12	**15.99**
L60-359	5042293812	24" x 24" x 2"	<5	12	**17.99**
L60-379	5042293813	25" x 25" x 2"	<5	12	**24.49**

Flanders Bulk & Cut-To-Fit Air Filters



A


B



C



D



E


F

Fig.	Order #	Mfg. #	Description	Dimensions	Dimensions W x H x D	Lot Qty.	Each
A	**L87-093**	KK500	Foam Roll - Reusable	15" x 24" x 1/4"	15" x 24" x 1/4"	24	**6.05**
A	**L97-633**	KK1000	Reinforced Foam - Reusable	15-1/2" x 25-1/2" x 1/4"	15-1/2" x 25-1/2" x 1/4"	24	**21.99**
B	**L87-091**	FR52524	Foam Roll	24" x 25' x 1/4"	—	—	**129.00**
C	**L87-092**	KK600	Fiberglass	15" x 24" x 1/4"	15" x 24" x 1/4"	24	**8.45**
D	**L97-632**	KK1601	Aluminum - Reusable	15-1/2" x 25-1/4" x 1/4"	15-1/2" x 25-1/4" x 1/4"	24	**21.99**
E	**L97-598**	SM105	Hogs Hair - Reusable	20" x 25" x 1"	20" x 25" x 1"	12	**19.49**
F	**L97-599**	HH25130	Hogs Hair Roll	25" x 30' x 1"	—	—	**185.00**

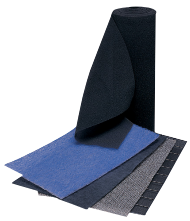
Glasfloss Synthetic Bulk Media



- Visit Johnstonesupply.com for a full offering of Glasfloss synthetic bulk media

Order #	Mfg. #	Dimensions	Dimensions W x H x D	CFM @ 250 FPM	CFM @ 500 FPM	Pressure Drop @ 500 FPM
L61-296	PBR251HOG	25" X 30' X 1"	25" X 30' X 1"	0	0	0.15
L61-340	PSR30201	30' X 20' X 1"	30" X 20' X 1"	1025	2050	0.28

Purolator Bulk and U-Trim Air Filters



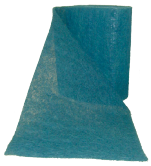


Fig.	Order #	Mfg. #	Description	Dimensions	Dimensions W x H x D	Lot Qty.	Each
	L86-304	P125	Hogs Hair Roll	25" x 30' x 1"	25" x 30' x 1"	—	**375.00**
—	**L96-284**	P104	Hogs Hair Sheet - Reusable	20" x 25" x 1"	20" x 25" x 1"	24	**32.49**

PermaFlo® Rigid Polyester Pads

- Washable polyester cut-to-fit air filter
- 0.03 in w.g. initial resistance to air flow
- **L97-674** and **L97-675** come in a box of 18
- **L97-676** comes in a box of 8



A



B

Fig.	Order #	Mfg. #	Dimensions	Dimensions W x H x D
A	**L97-674**	PFLO1524-1/2	15" x 24" x 1/2"	15" x 24" x 1/2"
A	**L97-675**	PFLO2025-1	20" x 25" x 1"	20" x 25" x 1"
A	**L97-676**	PFLO2025-8PK	20" x 25" x 1"	20" x 25" x 1"
B	**L97-677**	PFLO1/2-ROLL25	48' x 25" x 1/2"	—
B	**L97-678**	PFLO1-ROLL25	36' x 25" x 1"	—
B	**L97-679**	PFLO1-ROLL30	36' x 30" x 1"	—

Pre-Vent® Wrap-Around Air Conditioner Filter



- Filter can be cut-to-fit any air conditioning unit
- Filter wraps around the outside of the air intake grill and is held in place across the rear of the unit by three 20" bungee cords (included)
- Low resistance to airflow, 0.02 in w.g.
- UL Classified as to flammability only
- UV protected black high abrasion media

Order #	Mfg. #	Dimensions	Dimensions W x H x D
L90-798	PREVENTWA3-R	38" x 110"	38" x 110"

Hail Guard Wrap-Around Equipment Protection



- Rigid black polypropylene netting
- Protects equipment against airborne objects such as hail
- Use alone or behind PreVent filters
- Cut to fit with scissors or utility knife
- UV Protected
- **L92-854** and **L92-855** include mounts, screws and ties
- **L90-799** requires **L45-974** mounting kit

Order #	Mfg. #	Dimensions
L92-854	HAILSTOP10	54" x 10'
L92-855	HAILSTOP20	54" x 20'
L90-799	HAILSTOP50	54" x 50'
L45-974	MOUNTKIT-SINGLE	—

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EZ Kleen® Metal Mesh Mist Eliminator Air Filters

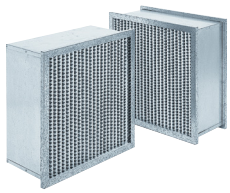
- Washable metal mesh air filter and mist eliminator constructed of slit and expanded aluminum media enclosed in an aluminum frame
- Low resistance filter with good arrestance of airborne dust at velocity rated between 150-650 fpm
- Compatible with all major OEM air handler systems
- Meets UL Class 900 requirements



Order #	Mfg. #	Dimensions	Dimensions W x H x D	Each
L97-662	97630763	12" x 24" x 1"	12" x 24" x 1"	**45.99**
L97-663	97653580	16" x 20" x 1"	16" x 20" x 1"	**49.49**
L97-664	97653579	16" x 25" x 1"	16" x 25" x 1"	**59.00**
L97-665	97653578	20" x 20" x 1"	20" x 20" x 1"	**55.00**
L97-666	97653577	20" x 25" x 1"	20" x 25" x 1"	**69.00**
L97-667	97648134	24" x 24" x 1"	24" x 24" x 1"	**85.00**
L97-668	91542085	12" x 24" x 2"	12" x 24" x 2"	**99.00**
L97-669	91553638	16" x 20" x 2"	16" x 20" x 2"	**95.00**
L97-670	91553642	16" x 25" x 2"	16" x 25" x 2"	**129.00**
L97-671	91553651	20" x 20" x 2"	20" x 20" x 2"	**105.00**
L97-672	91553650	20" x 25" x 2"	20" x 25" x 2"	**79.00**
L97-673	91553641	24" x 24" x 2"	24" x 24" x 2"	**169.00**

PrecisionCell Rigid Filters

- Extended media separator type
- Designed for use in most commercial or industrial HVAC systems where medium to high efficiency is required
- Suitable for variable air volume systems
- 24 gauge corrosion-resistant steel
- Moisture-resistant micro-fine fiberglass paper media
- Operating limits: 100% RH and 350°F
- UL 900 Class 1 listed
- MERV 11-14



Order #	Mfg. #	Dimensions W x H x D	Efficiency	Media Area (Sq. Ft.)	CFM @ 250 FPM	Pressure Drop @ 250 FPM
L97-871	331-953-149	12" x 24" x 6"	65%	22	500	0.2
L97-867	331-953-156	16" x 20" x 12"	65%	54	55	0.12
L97-875	331-953-155	16" x 20" x 6"	65%	31	55	0.35
L97-876	331-953-184	16" x 25" x 6"	65%	33	694	0.35
L97-868	331-953-185	16" x 25" x 12"	65%	70	694	0.12
L97-877	331-953-151	18" x 24" x 6"	65%	36	750	0.35
L97-869	331-953-152	18" x 24" x 12"	65%	76	750	0.12
L97-872	331-953-135	20" x 20" x 6"	65%	33	694	0.35
L97-864	331-953-136	20" x 20" x 12"	65%	70	694	0.12
L97-873	331-953-188	20" x 24" x 6"	65%	41	833	0.35
L97-874	331-953-157	20" x 25" x 6"	65%	43	868	0.35
L97-866	331-953-158	20" x 25" x 12"	65%	90	868	0.12
L97-870	331-953-147	24" x 24" x 6"	65%	50	1,000	0.2
L97-862	331-953-148	24" x 24" x 12"	65%	105	1,000	0.12
L97-855	331-765-149	12" x 24" x 6"	85%	22	500	0.35
L97-847	331-765-150	12" x 24" x 12"	85%	47	500	0.2
L97-851	331-765-156	16" x 20" x 12"	85%	54	55	0.2
L97-852	331-765-185	16" x 25" x 12"	85%	70	694	0.2
L97-861	331-765-151	18" x 24" x 6"	85%	36	750	0.35
L97-853	331-765-152	18" x 24" x 12"	85%	76	750	0.2

Order #	Mfg. #	Dimensions W x H x D	Efficiency	Media Area (Sq. Ft.)	CFM @ 250 FPM	Pressure Drop @ 250 FPM
L97-856	331-765-135	20" x 20" x 6"	85%	33	694	0.35
L97-848	331-765-136	20" x 20" x 12"	85%	70	694	0.2
L97-857	331-765-188	20" x 24" x 6"	85%	31	833	0.35
L97-849	331-765-189	20" x 24" x 12"	85%	86	833	0.2
L97-854	331-765-147	24" x 24" x 6"	85%	50	1,000	0.35
L97-846	331-765-148	24" x 30" x 5"	85%	105	1,000	0.2
L97-839	331-946-149	18" x 24" x 5"	95%	27	500	0.4
L97-831	331-946-150	12" x 24" x 5"	95%	57	500	0.25
L97-843	331-946-155	20" x 30" x 5"	95%	31	55	0.4
L97-835	331-946-156	14" x 25" x 5"	95%	65	55	0.25
L97-844	331-946-184	20" x 36" x 5"	95%	40	694	0.4
L97-845	331-946-151	24" x 24" x 5"	95%	44	750	0.4
L97-840	331-946-135	20" x 20" x 5"	95%	40	694	0.4
L97-832	331-946-136	14" x 14" x 5"	95%	84	694	0.25
L97-841	331-946-188	20" x 24" x 5"	95%	49	833	0.4
L97-833	331-946-189	14" x 20" x 5"	95%	103	833	0.25
L97-842	331-946-157	20" x 25" x 5"	95%	52	868	0.4
L97-834	331-946-158	14" x 24" x 5"	95%	108	868	0.25
L97-838	331-946-147	16" x 25" x 5"	95%	60	1,000	0.4
L97-830	331-946-148	12" x 12" x 5"	95%	125	1,000	0.25

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AAF Flanders
Bringing clean air to life.

PrecisionCell III Rigid Filters

- Extended surface minipleat
- Designed for use in most commercial or industrial HVAC systems where medium to high efficiency is required
- Suitable for variable air volume systems
- Operating limits: 160°F and 100% RH
- UL 900 listed



A

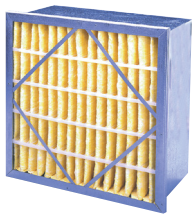


B

Fig.	Order #	Mfg. #	Dimensions	Dimensions W x H x D	Efficiency	Media Area (Sq. Ft.)	CFM @ 500 FPM	Pressure Drop @ 250 FPM
Box Style								
A	**L93-628**	89855.022024	20" x 24" x 2"	20" x 24" x 2"	MERV 14	44	1850	0.15
A	**L93-629**	89855.022424	24" x 24" x 2"	24" x 24" x 2"	MERV 14	50	2000	0.15
A	**L93-630**	89855.041224	12" x 24" x 4"	12" x 24" x 4"	MERV 14	60	1000	0.13
A	**L93-631**	89855.042424	24" x 24" x 4"	24" x 24" x 4"	MERV 14	120	2000	0.13
Headered Style								
B	**L93-632**	89855.022024PSH	20" x 24" x 2"	20" x 24" x 2"	MERV 14	44	1850	0.15
B	**L93-633**	89855.022424PSH	24" x 24" x 2"	24" x 24" x 2"	MERV 14	50	2000	0.15
B	**L93-634**	89855.041224PSH	12" x 24" x 4"	12" x 24" x 4"	MERV 14	60	1000	0.13
B	**L93-635**	89855.042424PSH	24" x 24" x 4"	24" x 24" x 4"	MERV 14	120	2000	0.13

AAF Flanders
Bringing clean air to life.

Rigid-Air Synthetic Media Filters



- Rugged corrosion-resistant steel casing minimizes damage during shipping and handling
- 24 gauge corrosion-resistant steel double-turned flange
- Micro-fine synthetic media
- Operating limits: 180°F and 100% RH
- UL Class 2

Order #	Mfg. #	Description	Dimensions	Dimensions W x H x D	Efficiency	Media Area (Sq. Ft.)	CFM @ 500 FPM	Pressure Drop @ 250 FPM
Box Style								
L97-882	3011087-016	Box Style	12" x 24" x 12"	12" x 24" x 12"	55%	28	1,000	0.25
L97-890	3011087-015	Box Style	20" x 20" x 12"	20" x 20" x 12"	55%	39	1,400	0.25
L97-886	3011087-014	Box Style	20" x 24" x 12"	20" x 24" x 12"	55%	47	1,650	0.25
L97-883	3011087-012	Box Style	12" x 24" x 12"	12" x 24" x 12"	65%	28	1,000	0.31
L97-887	3011087-010	Box Style	20" x 24" x 12"	20" x 24" x 12"	65%	47	1,650	0.31
L97-879	3011087-009	Box Style	24" x 24" x 12"	24" x 24" x 12"	65%	58	2,000	0.31
L97-884	3011087-008	Box Style	12" x 24" x 12"	12" x 24" x 12"	85%	28	1,000	0.44
L97-892	3011087-007	Box Style	20" x 20" x 12"	20" x 20" x 12"	85%	39	1,400	0.44
L97-888	3011087-006	Box Style	20" x 24" x 12"	20" x 24" x 12"	85%	47	1,650	0.44
L97-880	PRP85S4412	Box Style	24" x 24" x 12"	24" x 24" x 12"	85%	58	2,000	0.44
L97-885	PRP95S2412	Box Style	12" x 24" x 12"	12" x 24" x 12"	95%	28	1,000	0.55
L97-893	3011087-003	Box Style	20" x 20" x 12"	20" x 20" x 12"	95%	39	1,400	0.55
L97-889	PRP95S0412	Box Style	20" x 24" x 12"	20" x 24" x 12"	95%	47	1,650	0.55
L97-881	3011087-001	Box Style	24" x 24" x 12"	24" x 24" x 12"	95%	58	2,000	0.55
Headered Model								
L97-906	3011079-016	Headered Model	12" x 24" x 12"	12" x 24" x 12"	55%	25	1,000	0.3
L97-914	3011079-015	Headered Model	20" x 20" x 12"	20" x 20" x 12"	55%	33	1,400	0.3
L97-910	3011079-014	Headered Model	20" x 24" x 12"	20" x 24" x 12"	55%	40	1,650	0.3
L97-907	3011079-012	Headered Model	12" x 24" x 12"	12" x 24" x 12"	65%	25	1,000	0.36
L97-915	3011079-011	Headered Model	20" x 20" x 12"	20" x 20" x 12"	65%	33	1,400	0.36
L97-911	3011079-010	Headered Model	20" x 24" x 12"	20" x 24" x 12"	65%	40	1,650	0.36
L97-903	3011079-009	Headered Model	24" x 24" x 12"	24" x 24" x 12"	65%	50	2,000	0.36
L97-908	3011079-008	Headered Model	12" x 24" x 12"	12" x 24" x 12"	85%	25	1,000	0.52
L97-916	3011079-007	Headered Model	20" x 20" x 12"	20" x 20" x 12"	85%	33	1,400	0.52
L97-912	3011079-006	Headered Model	20" x 24" x 12"	20" x 24" x 12"	85%	40	1,650	0.52
L97-904	3011079-005	Headered Model	24" x 24" x 12"	24" x 24" x 12"	85%	50	2,000	0.52
L97-909	3011079-004	Headered Model	12" x 24" x 12"	12" x 24" x 12"	95%	25	1,000	0.65
L97-917	3011079-003	Headered Model	20" x 20" x 12"	20" x 20" x 12"	95%	33	1,400	0.65
L97-913	3011079-002	Headered Model	20" x 24" x 12"	20" x 24" x 12"	95%	40	1,650	0.65
L97-905	3011079-001	Headered Model	24" x 24" x 12"	24" x 24" x 12"	95%	50	2,000	0.65

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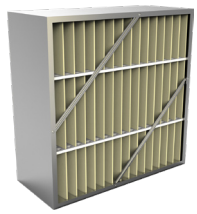
Z-Pak Series Fiberglass Rigid Cell Filters

- Extended surface filter designed for medium and high efficiency applications
- Ideal for VAV systems

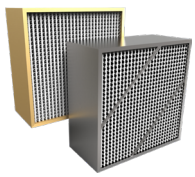


Order #	Mfg. #	Dimensions W x H x D	Efficiency	CFM @ 250 FPM	CFM @ 500 FPM	Pressure Drop @ 500 FPM
L61-744	ZPS12241265BO	12" x 24" x 12"	MERV 11	492	984	0.24
L61-745	ZPS12241265HO	12" x 24" x 12"	MERV 11	492	984	0.34
L61-746	ZPS12241285BO	12" x 24" x 12"	MERV 13	492	984	0.4
L61-747	ZPS12241285HO	12" x 24" x 12"	MERV 13	492	984	0.54
L61-748	ZPS12241295BO	12" x 24" x 12"	MERV 14	492	984	0.55
L61-749	ZPS12241295HO	12" x 24" x 12"	MERV 14	492	984	0.65
L61-760	ZPS20201265BO	20" x 20" x 12"	MERV 11	683	1366	0.24
L61-761	ZPS20201265HO	20" x 20" x 12"	MERV 11	683	1366	0.34
L61-762	ZPS20201285BO	20" x 20" x 12"	MERV 13	683	1366	0.4
L61-763	ZPS20201285HO	20" x 20" x 12"	MERV 13	683	1366	0.54
L61-764	ZPS20201295BO	20" x 20" x 12"	MERV 14	683	1366	0.55
L61-765	ZPS20201295HO	20" x 20" x 12"	MERV 14	683	1366	0.65
L61-776	ZPS20241265BO	20" x 24" x 12"	MERV 11	820	1640	0.24
L61-777	ZPS20241265HO	20" x 24" x 12"	MERV 11	820	1640	0.34
L61-778	ZPS20241285BO	20" x 24" x 12"	MERV 13	820	1640	0.4
L61-779	ZPS20241285HO	20" x 24" x 12"	MERV 13	820	1640	0.54
L61-780	ZPS20241295BO	20" x 24" x 12"	MERV 14	820	1640	0.55
L61-781	ZPS20241295HO	20" x 24" x 12"	MERV 14	820	1640	0.65
L61-792	ZPS24241265BO	24" x 24" x 12"	MERV 11	984	1968	0.24
L61-793	ZPS24241265HO	24" x 24" x 12"	MERV 11	984	1968	0.34
L94-732	ZPS24241285BO	24" x 24" x 12"	MERV 13	984	1968	0.4
L61-794	ZPS24241285HO	24" x 24" x 12"	MERV 13	984	1968	0.54
L61-795	ZPS24241295BO	24" x 24" x 12"	MERV 14	984	1968	0.55
L61-796	ZPS24241295HO	24" x 24" x 12"	MERV 14	984	1968	0.65

Magna Series Filters

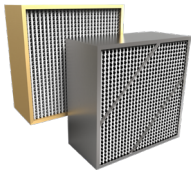
Box Style - No Header

- ASHRAE Series filters for high medium to high efficiency commercial or industrial applications



Order #	Mfg. #	Description	Dimensions W x H x D	Efficiency	Media Area (Sq. Ft.)	CFM @ 250 FPM	CFM @ 500 FPM	Pressure Drop @ 500 FPM
Magna 600 series MERV 11								
L61-081	MAGGB2020B1OX	Box Style-No header	20" x 20" x 12"	MERV 11	76.24	683	1366	0.5
L61-093	MAGGB2412B1OX	Box Style-No header	24" x 12" x 12"	MERV 11	55.82	492	984	0.5
L61-103	MAGGB2420B1OX	Box Style-No header	24" x 20" x 12"	MERV 11	91.22	820	1640	0.5
L61-109	MAGGB2424B1OX	Box Style-No header	24" x 24" x 12"	MERV 11	110.91	984	1968	0.5
Magna 800 Series MERV 13								
L61-082	MAGGB2020B2OX	Box Style-No header	20" x 20" x 12"	MERV 13	76.24	683	1366	0.55
L61-094	MAGGB2412B2OX	Box Style-No header	24" x 12" x 12"	MERV 13	55.82	492	984	0.55
L61-104	MAGGB2420B2OX	Box Style-No header	24" x 20" x 12"	MERV 13	91.22	820	1640	0.55
L61-110	MAGGB2424B2OX	Box Style-No header	24" x 24" x 12"	MERV 13	110.91	984	1968	0.55
Magna 900 series MERV 14								
L61-083	MAGGB2020B3OX	Box Style-No header	20" x 20" x 12"	MERV 14	76.24	683	1366	0.6
L61-095	MAGGB2412B3OX	Box Style-No header	24" x 12" x 12"	MERV 14	55.82	492	984	0.6
L61-105	MAGGB2420B3OX	Box Style-No header	24" x 20" x 12"	MERV 14	91.22	820	1640	0.6
L61-111	MAGGB2424B3OX	Box Style-No header	24" x 24" x 12"	MERV 14	110.91	984	1968	0.6

Glasfloss Industries



Magna Series Filters
with Header

- ASHRAE Series filters for high medium to high efficiency commercial or industrail applications
- Visit Johnstonesupply.com for a full offering of Glasfloss filters

Order #	Mfg. #	Description	Dimensions W x H x D	Efficiency	Media Area (Sq. Ft.)	CFM @ 250 FPM	CFM @ 500 FPM	Pressure Drop @ 250 FPM	Pressure Drop @ 500 FPM
Magna 600 series MERV 11									
L61-139	MAGGH2412B1OX	With Header	24" x 12" x 12"	MERV 11	55.82	492	984	—	0.5
L61-150	MAGGH2420B1OX	With Header	24" x 20" x 12"	MERV 11	91.22	820	1640	—	0.5
L61-155	MAGGH2424B1OX	With Header	24" x 24" x 12"	MERV 11	110.91	984	1968	—	0.5
Magna 800 Series MERV 13									
L61-127	MAGGH2020B1OX	With Header	20" x 20" x 12"	MERV 11	76.24	683	1366	—	0.5
L61-128	MAGGH2020B2OX	With Header	20" x 20" x 12"	MERV 13	76.24	683	1366	0	0.55
L61-140	MAGGH2412B2OX	With Header	24" x 12" x 12"	MERV 13	55.82	492	984	0	0.55
L61-151	MAGGH2420B2OX	With Header	24" x 20" x 12"	MERV 13	91.22	820	1640	—	0.55
L61-156	MAGGH2424B2OX	With Header	24" x 24" x 12"	MERV 13	110.91	984	1968	—	0.55
Magna 900 series MERV 14									
L61-129	MAGGH2020B3OX	With Header	20" x 20" x 12"	MERV 14	76.24	683	1366	—	0.6
L61-141	MAGGH2412B3OX	With Header	24" x 12" x 12"	MERV 14	55.82	492	984	—	0.6
L61-157	MAGGH2424B3OX	With Header	24" x 24" x 6"	MERV 14	55.46	984	1968	0.35	0.6
L94-731	MAGGH2420B3OX	With Header	24" x 20" x 12"	MERV 14	91.22	820	1640	—	0.6

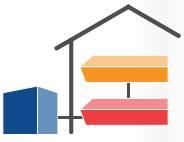
Glasfloss Industries



Puracell II Mini-Pleat Filters

- Compact Design for Maximum Air Flow
- Designed for applications where a high degree of efficiency is required in a 4" filter
- Plastic Frame
- Visit Johnstonesupply.com for a full offering of Glasfloss filters

Order #	Mfg. #	Dimensions W x H x D	Efficiency	CFM @ 250 FPM	CFM @ 500 FPM	Pressure Drop @ 500 FPM
L61-344	PUPFB122443O	12" x 24" x 4"	MERV 14	492	984	0.61
L61-348	PUPFB162043O	16" x 20" x 4"	MERV 14	546	1093	0.61
L61-352	PUPFB162543O	16" x 25" x 4"	MERV 14	683	1366	0.61
L61-356	PUPFB182443O	18" x 24" x 4"	MERV 14	738	1476	0.61
L61-360	PUPFB202043O	20" x 20" x 4"	MERV 14	683	1366	0.61
L61-364	PUPFB202443O	20" x 24" x 4"	MERV 14	820	1640	0.61
L61-368	PUPFB202543O	20" x 25" x 4"	MERV 14	854	1708	0.61
L61-372	PUPFB242443O	24" x 24" x 4"	MERV 14	984	1968	0.61
L94-727	PUPFH122443O	12" x 24" x 4"	MERV 15	492	984	0.72
L61-379	PUPFH162043O	16" x 20" x 4"	MERV 14	546	1093	0.72
L61-383	PUPFH162543O	16" x 25" x 4"	MERV 14	683	1366	0.72
L61-387	PUPFH182443O	18" x 24" x 4"	MERV 14	738	1476	0.72
L61-391	PUPFH202043O	20" x 20" x 4"	MERV 14	683	1366	0.72
L94-725	PUPFH202443O	20" x 25" x 4"	MERV 11	854	1708	0.72
L61-398	PUPFH202543O	20" x 25" x 4"	MERV 14	854	1708	0.72
L94-726	PUPFH242443O	25" x 24" x 4"	MERV 14	1025	2050	0.72



Mini-Split Selector

Quick • Accurate • Easy

Quick
Real-time pricing and availability

Easy
Effortless indoor style selection and identification

Accurate
Single-zone or multi-zone system matches



Click Here to Try it Today

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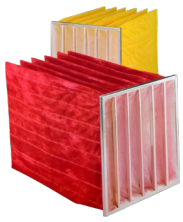
PrecisionPak Synthetic Media Bag Filters

- Designed for use in most commercial or industrial HVAC systems where medium to high efficiency is required
- Micro-fine synthetic media
- Thermoplastic resin pocket sealant
- Operating limits: 180°F and 100% RH
- MERV 10-14
- UL 900 Class 2



Order #	Mfg. #	Dimensions W x H x D	Efficiency	Media Area (Sq. Ft.)	CFM @ 500 FPM	Pressure Drop @ 500 FPM	No. of Pockets
L98-045	706-123-150	12" x 24" x 15"	65%	16.87	1,000	0.28	3
L98-021	706-124-150	12" x 24" x 15"	65%	20	1,000	0.4	4
L98-037	706-123-220	12" x 24" x 22"	65%	24.75	1,000	0.3	3
L98-009	706-124-220	12" x 24" x 22"	65%	33	1,000	0.25	4
L98-029	706-123-300	12" x 24" x 30"	65%	33.75	1,000	0.29	3
L97-996	706-124-300	12" x 24" x 30"	65%	45	1,000	0.23	4
L97-956	706-146-150	20" x 20" x 15"	65%	41.67	1,400	0.38	10
L98-017	706-136-150	20" x 24" x 15"	65%	30	1,700	0.28	6
L97-952	706-137-150	20" x 24" x 15"	65%	50	1,700	0.38	10
L98-005	706-136-220	20" x 24" x 22"	65%	49.5	1,700	0.3	6
L97-992	706-136-300	20" x 24" x 30"	65%	67.5	1,700	0.29	6
L98-041	706-116-150	24" x 24" x 15"	65%	33.75	2,000	0.28	6
L98-013	706-118-150	24" x 24" x 15"	65%	40	2,000	0.38	8
L97-980	706-110-150	24" x 24" x 15"	65%	56.25	2,000	0.38	10
L98-033	706-116-220	24" x 24" x 22"	65%	49.5	2,000	0.3	6
L98-001	706-118-220	24" x 24" x 22"	65%	66	2,000	0.25	8
L97-972	706-110-220	24" x 24" x 22"	65%	82.5	2,000	0.24	10
L98-025	706-116-300	24" x 24" x 30"	65%	67.5	2,000	0.29	6
L97-988	706-118-300	24" x 24" x 30"	65%	90	2,000	0.23	8
L97-964	706-110-300	24" x 24" x 30"	65%	112.5	2,000	0.22	10
L98-046	708-123-150	12" x 24" x 15"	85%	16.87	1,000	0.44	3
L98-022	708-124-150	12" x 24" x 15"	85%	20	1,000	0.58	4
L98-038	708-123-220	12" x 24" x 22"	85%	24.75	1,000	0.47	3
L98-010	708-124-220	12" x 24" x 22"	85%	33	1,000	0.36	4
L98-030	708-123-300	12" x 24" x 30"	85%	33.75	1,000	0.47	3
L97-997	708-124-300	12" x 24" x 30"	85%	45	1,000	0.33	4
L97-957	708-146-150	20" x 20" x 15"	85%	41.67	1,400	0.59	10
L98-018	708-136-150	20" x 24" x 15"	85%	30	1,700	0.44	6
L97-953	708-137-150	20" x 24" x 15"	85%	50	1,700	0.59	10
L98-006	708-136-220	20" x 24" x 22"	85%	49.5	1,700	0.47	6
L97-993	708-136-300	20" x 24" x 30"	85%	67.5	1,700	0.42	6
L98-042	708-116-150	24" x 24" x 15"	85%	33.75	2,000	0.44	6
L98-014	708-118-150	24" x 24" x 15"	85%	40	2,000	0.59	8
L97-981	708-110-150	24" x 24" x 15"	85%	56.25	2,000	0.59	10
L98-034	708-116-220	24" x 24" x 22"	85%	49.5	2,000	0.47	6
L98-002	708-118-220	24" x 24" x 22"	85%	66	2,000	0.36	8
L97-973	708-110-220	24" x 24" x 22"	85%	82.5	2,000	0.34	10
L98-026	708-116-300	24" x 24" x 30"	85%	67.5	2,000	0.47	6
L97-989	708-118-300	24" x 24" x 30"	85%	90	2,000	0.33	8
L97-965	708-110-300	24" x 24" x 30"	85%	112.5	2,000	0.31	10
L98-047	709-123-150	12" x 24" x 15"	95%	16.87	1,000	0.55	3
L98-023	709-124-150	12" x 24" x 15"	95%	20	1,000	0.8	4
L98-039	709-123-220	12" x 24" x 22"	95%	24.75	1,000	0.6	3
L98-011	709-124-220	12" x 24" x 22"	95%	33	1,000	0.51	4
L98-031	709-123-300	12" x 24" x 30"	95%	33.75	1,000	0.6	3
L97-998	709-124-300	12" x 24" x 30"	95%	45	1,000	0.37	4
L97-958	709-146-150	20" x 20" x 15"	95%	41.67	1,400	0.71	10
L98-019	709-136-150	20" x 24" x 15"	95%	30	1,700	0.55	6
L97-954	709-137-150	20" x 24" x 15"	95%	50	1,700	0.71	10
L98-007	709-136-220	20" x 24" x 22"	95%	49.5	1,700	0.6	6
L97-994	709-136-300	20" x 24" x 30"	95%	67.5	1,700	0.52	6
L98-043	709-116-150	24" x 24" x 15"	95%	33.75	2,000	0.55	6
L98-015	709-118-150	24" x 24" x 15"	95%	40	2,000	0.71	8
L97-982	709-110-150	24" x 24" x 15"	95%	56.25	2,000	0.71	10
L98-035	709-116-220	24" x 24" x 22"	95%	49.5	2,000	0.6	6
L98-003	709-118-220	24" x 24" x 22"	95%	66	2,000	0.51	8
L97-974	709-110-220	24" x 24" x 22"	95%	82.5	2,000	0.48	10
L98-027	709-116-300	24" x 24" x 30"	95%	67.5	2,000	0.6	6
L97-990	709-118-300	24" x 24" x 30"	95%	90	2,000	0.37	8
L97-966	709-110-300	24" x 24" x 30"	95%	112.5	2,000	0.35	10

Glasfloss Industries



Excel Synthetic Bag Filters

- Extended surface bag filter constructed with 100% synthetic media fibers to meet a wide variety of commercial and industrial applications
- Visit Johnstonesupply.com for a full offering of Glasfloss filters

Order #	Mfg. #	Dimensions W x H x D	Efficiency	CFM @ 250 FPM	CFM @ 500 FPM	Pressure Drop @ 500 FPM	No. of Pockets
L61-469	SBG12241563	12" x 24" x 15"	MERV 11	492	984	1	3
L61-470	SBG12241564	12" x 24" x 15"	MERV 11	492	984	0.84	4
L61-473	SBG12241583	12" x 24" x 15"	MERV 13	492	984	1	3
L61-474	SBG12241584	12" x 24" x 15"	MERV 13	492	984	0.84	4
L61-477	SBG12241593	12" x 24" x 15"	MERV 15	492	984	1	3
L61-478	SBG12241594	12" x 24" x 15"	MERV 15	492	984	0.84	4
L61-485	SBG12242163	12" x 24" x 21"	MERV 11	492	984	0.88	3
L61-486	SBG12242164	12" x 24" x 21"	MERV 11	492	984	0.64	4
L61-488	SBG12242183	12" x 24" x 21"	MERV 13	492	984	0.88	3
L61-489	SBG12242184	12" x 24" x 21"	MERV 13	492	984	0.64	4
L61-491	SBG12242193	12" x 24" x 21"	MERV 15	492	984	0.88	3
L61-492	SBG12242194	12" x 24" x 21"	MERV 15	492	984	0.64	4
L61-503	SBG12242963	12" x 24" x 29"	MERV 11	492	984	0.92	3
L61-504	SBG12242964	12" x 24" x 29"	MERV 11	492	984	0.74	4
L61-506	SBG12242983	12" x 24" x 29"	MERV 13	492	984	0.92	3
L61-507	SBG12242984	12" x 24" x 29"	MERV 13	492	984	0.74	4
L61-509	SBG12242993	12" x 24" x 29"	MERV 15	492	984	0.92	3
L61-510	SBG12242994	12" x 24" x 29"	MERV 15	492	984	0.74	4
L61-532	SBG202415610	20" x 24" x 15"	MERV 11	820	1640	0.45	10
L61-533	SBG20241566	20" x 24" x 15"	MERV 11	820	1640	0.59	6
L61-535	SBG202415810	20" x 24" x 15"	MERV 13	820	1640	0.45	10
L61-536	SBG20241586	20" x 24" x 15"	MERV 13	820	1640	0.59	6
L61-538	SBG202415910	20" x 24" x 15"	MERV 15	820	1640	0.45	10
L61-539	SBG20241596	20" x 24" x 15"	MERV 15	820	1640	0.59	6
L61-544	SBG202421610	20" x 24" x 21"	MERV 11	820	1640	0.4	10
L61-545	SBG20242166	20" x 24" x 21"	MERV 11	820	1640	0.52	6
L61-547	SBG202421810	20" x 24" x 21"	MERV 13	820	1640	0.4	10
L61-548	SBG20242186	20" x 24" x 21"	MERV 13	820	1640	0.52	6
L61-550	SBG202421910	20" x 24" x 21"	MERV 15	820	1640	0.4	10
L61-551	SBG20242196	20" x 24" x 21"	MERV 15	820	1640	0.52	6
L61-561	SBG20242966	20" x 24" x 29"	MERV 11	820	1640	0.72	6
L61-562	SBG20242968	20" x 24" x 29"	MERV 11	820	1640	0.56	8
L61-564	SBG20242986	20" x 24" x 29"	MERV 13	820	1640	0.72	6
L61-565	SBG20242988	20" x 24" x 29"	MERV 13	820	1640	0.56	8
L61-567	SBG20242996	20" x 24" x 29"	MERV 15	820	1640	0.72	6
L61-568	SBG20242998	20" x 24" x 29"	MERV 15	820	1640	0.56	8
L61-581	SBG242415610	24" x 24" x 15"	MERV 11	984	1968	0.48	10
L61-583	SBG24241566	24" x 24" x 15"	MERV 11	984	1968	0.5	6
L61-585	SBG24241568	24" x 24" x 15"	MERV 11	984	1968	0.42	8
L61-586	SBG242415810	24" x 24" x 15"	MERV 13	984	1968	0.48	10
L61-588	SBG24241586	24" x 24" x 15"	MERV 13	984	1968	0.5	6
L61-590	SBG24241588	24" x 24" x 15"	MERV 13	984	1968	0.42	8
L61-591	SBG242415910	24" x 24" x 15"	MERV 15	984	1968	0.48	10
L61-593	SBG24241596	24" x 24" x 15"	MERV 15	984	1968	0.5	6
L94-733	SBG24241598	24" x 24" x 21"	MERV 11	984	1968	0.42	8
L61-598	SBG242421610	24" x 24" x 21"	MERV 11	984	1968	0.3	10
L61-599	SBG24242166	24" x 24" x 21"	MERV 11	984	1968	0.44	6
L61-600	SBG24242168	24" x 24" x 21"	MERV 11	984	1968	0.32	8
L61-601	SBG242421810	24" x 24" x 21"	MERV 13	984	1968	0.3	10
L61-602	SBG24242186	24" x 24" x 21"	MERV 13	984	1968	0.44	6
L61-603	SBG24242188	24" x 24" x 21"	MERV 13	984	1968	0.32	8
L61-604	SBG242421910	24" x 24" x 21"	MERV 15	984	1968	0.3	10
L61-605	SBG24242196	24" x 24" x 21"	MERV 15	984	1968	0.44	6
L61-606	SBG24242198	24" x 24" x 21"	MERV 15	984	1968	0.32	8
L61-616	SBG242429610	24" x 24" x 29"	MERV 11	984	1968	0.25	10
L61-617	SBG24242966	24" x 24" x 29"	MERV 11	984	1968	0.38	6
L61-618	SBG24242968	24" x 24" x 29"	MERV 11	984	1968	0.27	8
L61-619	SBG242429810	24" x 24" x 29"	MERV 13	984	1968	0.25	10

continued on next page

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Order #	Mfg. #	Dimensions W x H x D	Efficiency	CFM @ 250 FPM	CFM @ 500 FPM	Pressure Drop @ 500 FPM	No. of Pockets
L61-620	SBG24242986	24" x 24" x 29"	MERV 13	984	1968	0.38	6
L61-621	SBG24242988	24" x 24" x 29"	MERV 13	984	1968	0.27	8
L61-622	SBG242429910	24" x 24" x 29"	MERV 15	984	1968	0.25	10
L61-623	SBG24242996	24" x 24" x 29"	MERV 15	984	1968	0.38	6
L61-624	SBG24242998	24" x 24" x 29"	MERV 15	984	1968	0.27	8

MERV 10 Return Grille Filters

Honeywell Home

- Mounts in standard return grilles
- Pleated for greater media capacity
- Captures up to 37 times more airborne particles passing through the filter than a standard 1' filter



Order #	Mfg. #	Dimensions W x H x D
L97-243	FC40R1094	12" x 12" x 3"
L97-244	FC40R1037	12" x 24" x 3"
L97-245	FC40R1102	14" x 14" x 3"
L97-246	FC40R1110	14" x 20" x 3"
L97-247	FC40R1128	14" x 24" x 3"
L97-248	FC40R1045	14" x 25" x 3"
L97-249	FC40R1052	16" x 20" x 3"
L97-250	FC40R1060	16" x 25" x 3"
L97-251	FC40R1136	18" x 24" x 3"

Order #	Mfg. #	Dimensions W x H x D
L97-252	FC40R1003	20" x 20" x 3"
L97-253	FC40R1144	20" x 24" x 3"
L97-254	FC40R1011	20" x 25" x 3"
L97-255	FC40R1029	20" x 30" x 3"
L97-257	FC40R1078	24" x 24" x 3"
L92-273	FC40R1169	14" x 30" x 2"
L92-274	FC40R1177	24" x 30" x 2"
L92-275	FC40R1185	18" x 18" x 2"
L92-276	FC40R1830	18" x 30" x 2"

MERV 13 Return Grille Filters

Honeywell Home

- Mounts in standard return grilles
- Pleated for greater media capacity
- Captures 15 times more 0.3-micron particles than a typical 1" fiberglass filter



Order #	Mfg. #	Dimensions W x H x D	Each
L82-300	FC313R1414/U	14" x 14" x 3"	**185.00**
L82-299	FC313R1424/U	15" x 24" x 3"	**185.00**
L82-301	FC313R1818/U	18" x 18" x 3"	**205.00**
L82-295	FC313R2020/U	20" x 20" x 3"	**225.00**
L82-296	FC313R2024/U	20" x 24" x 3"	**219.00**
L82-297	FC313R2025/U	20" x 25" x 3"	**225.00**
L82-298	FC313R2030/U	20" x 30" x 3"	**225.00**
L82-294	FC313R2036/U	20" x 36" x 3"	**225.00**

Filter Cabinets

Accommodator Filter Housing

McDANIEL METALS

- Sizes to fit furnaces through 5 tons
- Hinged door for easy access
- Accommodates standard filters
- Gaskets provide tight seal
- Completely insulated
- 1", 2" or 4" filter options



Order #	Mfg. #	Cabinet Dimensions	Duct Size	Filter Dimensions	Wt. Lbs.
For Gas Furnaces					
L98-177	ACG1425-3	15-3/8" x 3-3/4" x 28-3/8"	12-7/8" x 26-1/2"	14" x 25" x 1" or 2"	10
L98-178	ACG1425-6	15-3/8" x 5-3/4" x 28-3/8"	12-7/8" x 26-1/2"	14" x 25" x 1", 2" or 4"	14
L98-179	ACG1625-3	17-3/8" x 3-3/4" x 28-3/8"	14-7/8" x 26-1/2"	16" x 25" x 1" or 2"	11
L98-180	ACG1625-6	17-3/8" x 5-3/4" x 28-3/8"	14-7/8" x 26-1/2"	16" x 25" x 1", 2" or 4"	15
L98-181	ACG2025-3	21-3/8" x 3-3/4" x 28-3/8"	18-7/8" x 26-1/2"	20" x 25" x 1" or 2"	14
L98-182	ACG2025-6	21-3/8" x 5-3/4" x 28-3/8"	18-7/8" x 26-1/2"	20" x 25" x 1", 2" or 4"	18
L98-183	ACG2424-3	25-3/8" x 3-3/4" x 28-3/8"	22-7/8" x 26-1/2"	24" x 24" x 1" or 2"	15
L98-184	ACG2424-6	25-3/8" x 5-3/4" x 28-3/8"	22-7/8" x 26-1/2"	24" x 24" x 1", 2" or 4"	19
For Air Handlers and Electric Furnaces					
L98-167	ACE1420-3	15-3/8" x 3-3/4" x 22"	12-7/8" x 19"	14" x 20" x 1" or 2"	10
L98-168	ACE1420-6	15-3/8" x 5-3/4" x 22"	12-7/8" x 19"	14" x 20" x 1", 2" or 4"	14
L98-169	ACE1620-3	17-3/8" x 3-3/4" x 22"	14-7/8" x 19"	16" x 20" x 1" or 2"	11
L98-170	ACE1620-6	17-3/8" x 5-3/4" x 22"	14-7/8" x 19"	16" x 20" x 1", 2" or 4"	15
L98-171	ACE2020-3	21-3/8" x 3-3/4" x 22"	18-7/8" X 19"	20" x 20" x 1" or 2"	14
L98-172	ACE2020-6	21-3/8" x 5-3/4" x 22"	18-7/8" x 19"	20" x 20" x 1", 2" or 4"	18
L98-173	ACE2025-3	26-3/8" x 3-3/4" x 22"	23-7/8" x 19"	20" x 25" x 1" or 2"	15
L98-175	ACE2025-6	26-3/8" x 5-3/4" x 22"	23-7/8" x 19"	20" x 25" x 1", 2" or 4"	19
L98-174	ACE2025-3N	21-3/8" x 3-3/4" x 25"	18-3/4" x 21-3/8"	20" x 25" x 1" or 2"	14
L98-176	ACE2025-6N	21-3/8" x 5-3/4" x 25"	18-3/4" x 21-3/8"	20" x 25" x 1", 2" or 4"	18

Filter Cabinets



- For use with most upflow and horizontal furnaces and fan coil units
- Heavy 22-gauge sheet metal
- No furnace panels or door to remove
- Helps keep evaporator coils clean
- Accepts 1" or 2" filters
- **L92-159** has filter door on the side

Order #	Mfg. #	Cabinet Dimensions	Filter Dimensions	Wt. Lbs.	Each	3 Lot
L96-328	EZ-1425	14-1/4" x 28-5/8" x 4"	14" x 25" x 1" or 2"	9.5	**225.00**	**199.00**
L96-329	EZ-1625	17-5/8" x 28-5/8" x 4"	16" x 25" x 1" or 2"	9.5	**235.00**	**215.00**
L96-330	EZ-2025	21-5/8" x 28-5/8" x 4"	20" x 25" x 1" or 2"	11.5	**245.00**	**219.00**
L96-331	EZ-2424	24-5/8" x 28-5/8" x 4"	24" x 24" x 1" or 2"	12.5	**265.00**	**239.00**
L96-332	EZ-1620-FC	17-1/2" x 22" x 4"	16" x 20" x 1" or 2"	6.5	**235.00**	**215.00**
L96-333	EZ-2020-FC	21" x 22" x 4"	20" x 20" x 1" or 2"	7.0	**245.00**	**219.00**
L96-334	EZ-2025-FCN	22" x 25" x 4"	20" x 25" x 1" or 2"	7.5	**265.00**	**239.00**
L92-159	EZ-2520FCW	22" x 25" x 4"	20" x 25" x 1" or 2"	9.5	**259.00**	**235.00**

QwikProducts® PuraClean® Filter Spray



- Increases particle capture up to 300%, and proven to improve MERV rating up to 65%
- Creates a non-ionic coating making filter fibers electrostatic
- Has mild tactifier which will hold captured particulate in the filter
- Ozone safe and works on any indoor air filters
- 16 oz. bottle
- Made in the U.S.A.

Order #	Mfg. #	Each
L86-863	QT2700	**43.99**

Filterbox Grabber



- For lifting filter boxes from the ground to roof level
- Save time lifting virtually any filter box
- Safer than climbing up and down the ladder
- Lifts loads up to 20 pounds
- Rope not included

Order #	Mfg. #	Each
H85-524	FBG-1	**99.00**

Filter Pullers

- Easily grab hard-to-reach filters

Order #	Mfg. #	Description	Each
H27-737	FP18	18" Extension with Magnetic Tip	**21.99**
H28-212	FP48	48" Extension with Magnetic Tip	**41.99**

Extendable Filter Brace



- Designed to keep the filter from being sucked up against the return duct, limiting airflow
- Extends from 16 to 31 inches
- Magnetic ends hold filter braces in place
- Use multiple braces for added support
- Ends have holes to secure braces with screws (not included)
- Sold in packs of 6

Order #	Mfg. #	Each
H86-237	TFXEFB	**89.00**

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LifeStyle Plus® Electrostatic Air Filters

PERMATRON®

- Washable electrostatic air filter for residential and commercial HVAC systems
- Constructed of durable stainless steel, woven polypropylene, wire reinforcement and unique corrugated steel
- Low 0.07" w.g. initial resistance to airflow, and 74% average arrestance
- Lifetime warranty



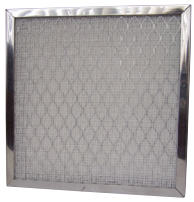
Order #	Mfg. #	Dimensions W x L x D	Wt. Lbs.
L96-893	LR1420-1	14" x 20" x 1"	1
L96-894	LR1620-1	16" x 20" x 1"	2
L96-895	LR1625-1	16" x 25" x 1"	2
L96-896	LR2020-1	20" x 20" x 1"	3
L96-897	LR2025-1	20" x 25" x 1"	3

Order #	Mfg. #	Dimensions W x L x D	Wt. Lbs.
L96-898	MF1420-1	14" x 20" x 1"	1
L96-899	MF1620-1	16" x 20" x 1"	2
L96-900	MF1625-1	16" x 25" x 1"	2
L96-901	MF2020-1	20" x 20" x 1"	3
L96-902	MF2025-1	20" x 25" x 1"	3

Commercial/Industrial Washable Electrostatic Air Filters

PERMATRON®

- Washable electrostatic air filter made of polypropylene media and wire reinforcement contained within a galvanized steel frame
- Exclusive Accumulator Chamber® design for maximum performance
- UL classified as to flammability only
- 1/2" thickness and custom sizes available
- Stainless steel frame recommended for caustic or corrosive environments
- FDA approved materials for food processing, etc.
- Five-year warranty



Order #	Mfg. #	Dimensions W x L x D
L97-646	IN1224-1	12" x 24" x 1"
L97-647	IN1620-1	16" x 20" x 1"
L97-648	IN1625-1	16" x 25" x 1"
L97-649	IN2020-1	20" x 20" x 1"
L97-650	IN2025-1	20" x 25" x 1"
L97-651	IN2424-1	24" x 24" x 1"

Order #	Mfg. #	Dimensions W x L x D
L97-652	IN1224-2	12" x 24" x 2"
L97-653	IN1620-2	16" x 20" x 2"
L97-654	IN1625-2	16" x 25" x 2"
L97-655	IN2020-2	20" x 20" x 2"
L97-656	IN2025-2	20" x 25" x 2"
L97-657	IN2424-2	24" x 24" x 2"

Permacool® Cut-To-Fit Electrostatic Air Filters

PERMATRON®

- Washable cut-to-fit electrostatic air filter for wall/window air conditioner and PTAC units
- Unique 1/4" corrugated polypropylene filter media
- 0.04 in w.g. initial resistance to air flow
- 63% arrestance efficiency
- 100 grams dust holding capacity


A


B

Fig.	Order #	Mfg. #	Dimensions
A	**L97-658**	PCOOL1524-20	15" x 24" x 1/4"
B	**L97-659**	PCOOLROLL20	10' x 20" x 8"
B	**L97-660**	PCOOLROLL30	10' x 30" x 8"
B	**L97-661**	PCOOLROLL36	10' x 36" x 8"

MODEL to PART

Critical Parts When You Need Them

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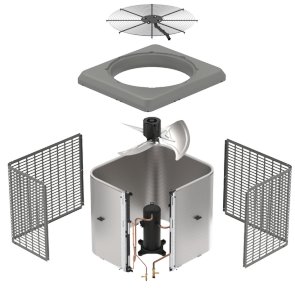
+ Real-Time Pricing & Availability



Media Air Cleaners - 2000 Series



- Traps sub micron particulate including viruses and bacteria
- Painted cabinet
- Recommended air flow is up to 2,000 CFM
- Proprietary design protects replacement media
- Collapsible with self spacing pleats and Self Seal™ media to reduce air bypass
- Uses **L80-221**, **L80-526** or **L80-222** replacement media

Order #	Mfg. #	Duct Size	MERV Rating	CFM	Dimensions W x H x D
L92-037	2210	20" x 25"	13	600-2000	8-3/4" x 29-1/2" x 24-1/8"
L92-038	2310	20" x 20"	13	1200-2000	8-3/4" x 24-1/4" x 22-1/2"
L92-039	2410	16" x 25"	13	1200-2000	8-3/4" x 32-1/8" x 19-3/4"
L94-109	2216	20" x 25"	16	1200-2000	8-3/4" x 29-1/2" x 24-1/8"
L94-110	2416	16" x 25"	16	1200-2000	8-3/4" x 32-1/8" x 19-3/4"
L94-111	2516	31" x 28"	16	1200-2000	8-3/4" x 32-1/8" x 34-1/2"

Media Air Cleaners - 1000 Series



A



B



C

- Recommended air flow is up to 2,000 CFM
- Proprietary design protects replacement media
- Collapsible with self-spacing pleats
- SelfSeal™ reduces air bypass and improves performance
- Uses **L80-524**, **L80-525** or **L80-527** replacement media

Fig.	Order #	Mfg. #	Description	Duct Size	MERV Rating	CFM	Dimensions W x H x D
A	**L93-462**	1110	Media Air Cleaner	16" x 20"	11	600-1200	6-3/4" x 17-3/4" x 22-1/8"
B	**L92-040**	1210	Media Air Cleaner	20" x 25"	11	600-2000	8-3/4" x 29-1/2" x 24-1/8"
B	**L92-041**	1310	Media Air Cleaner	20" x 20"	11	600-1400	6-3/4" x 20-1/2" x 22-1/8"
B	**L92-042**	1410	Media Air Cleaner	16" x 25"	11	600-2000	8-3/4" x 32-1/8" x 19-3/4"
B	**L92-702**	1510	Media Air Cleaner	31" x 28"	11	1000-3000	8-3/4" x 32-1/8" x 34-1/2"
C	**L92-800**	1610	Easy Install Right Angle Air Cleaner	16" x 25"	11	1000-3000	15-11/16" x 17-13/16" x 30-3/32"
C	**L82-097**	1620	Easy Install Right Angle Air Cleaner	20" x 25"	11	600-2000	15-11/16" x 22-1/8" x 27-3/8"

Air Purifier and UVC Coil Cleaner Bundles



A



B



C

- Air cleaner and UVC bundled for convenience
- UVC also available as a stand-alone

Fig.	Order #	Mfg. #	Description	Volts	Lamp Length	Wt. Lbs.	Each
A	**L82-764**	UV12	1210 Air Purifier and UVC Coil Cleaner	24VAC	16" Nominal/14.5" Actual	20.5	**535.00**
A	**L82-765**	UV14	1410 Air Purifier and UVC Coil Cleaner	24VAC	16" Nominal/14.5" Actual	20.5	**535.00**
A	**L82-766**	UV22	2210 Air Purifier and UVC Coil Cleaner	24VAC	16" Nominal/14.5" Actual	21.2	**609.00**
A	**L82-767**	UV24	2410 Air Purifier and UVC Coil Cleaner	24VAC	16" Nominal/14.5" Actual	21.2	**609.00**
B	**L82-768**	AUV24V	UVC Coil Cleaner	24VAC	16" Nominal/14.5" Actual	1.977	**349.00**
C	**L82-769**	AUVRPB	UVC Replacement Lamp	24VAC	16" Nominal/14.5" Actual	0.483	**199.00**

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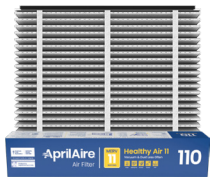
Replacement Parts
For AprilAire Media Air Cleaners



Order #	Mfg. #	Description	MERV Rating	Dimensions W x H x D	For Use With
L81-775	110	Replacement Media MERV 11	11	6-1/2" x 15-1/5" x 17-3/4"	1110
L81-776	113	Replacement Media MERV 13	13	6-1/2" x 15-1/5" x 17-3/4"	1110
L86-689	201	Replacement Media MERV 10	10	3-1/4" x 24-1/5" x 6-1/4"	2200, 2250
L80-524	210	Replacement Media MERV 11	11	4-3/4" x 26-3/4" x 4-1/4"	1210, 2210, 3210, 4200, 1620
L80-221	213	Replacement Media MERV 13	13	4-1/2" x 26-3/4" x 4-1/4"	1210, 2210, 3210, 4200, 1620
L80-525	310	Replacement Media MERV 11	11	4-1/4" x 21-1/2" x 4-1/4"	1310, 2310, 3310, 4300
L80-526	313	Replacement Media MERV 13	13	4-1/4" x 21-1/2" x 4-1/4"	1310, 2310, 3310, 4300
L86-690	401	Replacement Media MERV 10	10	2-3/4" x 27-1/2" x 6-1/4"	2400
L80-527	410	Replacement Media MERV 11	11	3-3/4" x 29-1/2" x 4-1/2"	1410, 2410, 3410, 4400, 1610
L80-222	413	Replacement Media MERV 13	13	3-3/4" x 29-1/2" x 4-1/2"	1410, 2410, 3410, 4400, 1610
L86-691	501	Replacement Media for 5000	—	2-3/4" x 27-1/2" x 6-1/4"	5000
L92-703	510	Replacement Media MERV 11	11	5-3/4" x 29-3/4" x 4-1/4"	1510
L92-704	513	Replacement Media MERV 13	13	5-3/4" x 29-3/4" x 4-1/4"	1510
L86-733	4119	Pleat Spacers	—	1-1/2" x 6-1/2" x 21"	2200
L86-734	4270	Pleat Spacers	—	1/2" x 6-1/2" x 17"	2400, 5000
L86-737	4725	Universal Seal Kit	—	11" x 2-1/2" x 13"	2200
L86-738	4724	Universal Seal Kit	—	3-1/4" x 2-1/4" x 4-1/2"	2400
L94-112	216	Replacement Media MERV 16	16	4-1/2" x 26-3/4" x 4-1/4"	2216
L94-113	416	Replacement Media MERV 16	16	3-3/4" x 29-1/2" x 4-1/2"	2416
L94-114	516	Replacement Media MERV 16	16	5-3/4" x 29-3/4" x 4-1/4"	2516
L94-115	213CBN	Replacement Media Odor Reduction MERV 13	13	4-1/2" x 26-3/4" x 4-1/4"	2216
L94-116	413CBN	Replacement Media Odor Reduction MERV 13	13	3-3/4" x 29-1/2" x 4-1/2"	2416
L94-117	513CBN	Replacement Media Odor Reduction MERV 13	13	5-3/4" x 29-3/4" x 4-1/4"	2516

Upgrade Kits
For 2200 and 2400 Media Air Cleaners

- Enables older air cleaners to use high efficiency 213/413 replacement media
- 65% efficiency improvement over 201/401 media
- Easy to install — eliminates pleat spacers
- No inner housing



Order #	Mfg. #	Description	MERV Rating	CFM	Dimensions W x H x D	For Use With	Replaces
L80-234	1213	2120 & 2200 Upgrade Kit	13	1200	4-3/4" x 26-3/4" x 4-1/4"	2200, 2120	102 & 201
L80-235	1413	2140 & 2400 Upgrade Kit	13	1200	3-3/4" x 29-1/2" x 4-1/4"	2400, 2140	104 & 401

F100 Series Media Air Cleaners

- The F100 Media Air Cleaner captures a significant amount of the airborne particles in the air circulated through the unit
- Recommended as a basic minimum air quality product
- Includes; cabinet, access door and MERV 11 filter



A B

Fig.	Order #	Mfg. #	Duct Size	MERV Rating	CFM	Dimensions W x H x D
A	**L94-053**	F100F1625/U	16" x 25"	11	1400	16" x 25" x 4"
A	**L94-054**	F100F2025/U	20" x 25"	11	2000	20" x 25" x 4"
A	**L94-055**	F100F1620/U	16" x 20"	11	1200	16" x 20" x 4"
A	**L94-056**	F100F2020/U	20" x 20"	11	1400	20" x 20" x 4"
B	**L97-394**	F100F2044	25" x 20"	11	2,000	25" x 20" x 4"
B	**L97-395**	F100F2051	25" x 22"	11	2,000	25" x 22" x 4"

Honeywell Home

F200 Series Media Air Cleaners



- The F200 Media Air Cleaner captures a significant amount of the airborne particles in the air circulated through the unit
- Includes; cabinet, access door and MERV 13 filter

Order #	Mfg. #	Duct Size	MERV Rating	CFM	Dimensions W x H x D
L94-057	F200F1625/U	16" x 25"	13	1400	16" x 25" x 4"
L94-058	F200F2025/U	20" x 25"	13	2000	20" x 25" x 4"
L94-059	F200F1620/U	16" x 20"	13	1200	16" x 20" x 4"
L94-060	F200F2020/U	20" x 20"	13	1400	20" x 20" x 4"

Honeywell Home

F100 Series Replacement Media



Order #	Mfg. #	Description	Duct Size	MERV Rating	Dimensions W x H x D	For Use With
L86-466	FC100A1003	16" x 20" x 4" Replacement Filter	16" x 20"	11	16" x 20" x 4"	L94-055
L86-467	FC100A1011	20" x 20" x 4" Replacement Filter	20" x 20"	11	20" x 20" x 4"	L94-056
L86-468	FC100A1029/U	16" x 25" x 4" Replacement Filter	16" x 25"	11	16" x 25" x 4"	L94-053
L86-469	FC100A1037/U	20" x 25" x 4" Replacement Filter	20" x 25"	11	20" x 25" x 4"	L94-054
L86-609	FC100A1045	21-1/2" x 27-1/2" x 4" Replacement Filter	21-1/2" x 27-1/2"	11	21-1/2" x 27-1/2" x 4"	—
L86-610	FC100A1052	12-1/2" x 20" x 4" Replacement Filter	12-1/2" x 20"	11	12-1/2" x 20" x 4"	—

Honeywell Home

F200 Series Replacement Media

Order #	Mfg. #	Description	Duct Size	MERV Rating	Dimensions W x H x D	For Use With
L86-973	FC200E1003	16" x 20" x 4" Charged Media Replacement Filter	16" x 20"	13	16" x 20" x 4"	L92-624
L86-974	FC200E1011	20" x 20" x 4" Charged Media Replacement Filter	20" x 20	13	20" x 20" x 4"	L92-622
L86-975	FC200E1029	16" x 25" x 4" Charged Media Replacement Filter	16" x 25"	13	16" x 25" x 4	L92-625
L86-976	FC200E1037	20" x 25" x 4" Charged Media Replacement Filter	20" x 25"	13	20" x 25" x 4"	L92-623

Honeywell Home

Popup Media Replacement Filters



- Compact, collapsible design allows for easy storage
- No pleat spacers, combs or end caps required

Order #	Mfg. #	Duct Size	MERV Rating	Dimensions W x H x D
L87-190	POPUP1620	16" x 20"	11	16" x 20" x 5"
L87-191	POPUP2020	20" x 20"	11	20" x 20" x 5"
L87-192	POPUP1625	16" x 25"	11	16" x 25" x 5"
L87-193	POPUP2025	20" x 25"	11	20" x 25" x 5"
L87-194	POPUP2200	Fits Aprilaire 2200	11	20-1/4" x 24-1/4" x 5-7/8"
L87-195	POPUP2400	Fits Aprilaire 2400	11	16" x 27 1/8" x 5-7/8"

Honeywell Home

Trane PerfectFit™ Media Replacement Filters



Order #	Mfg. #	MERV Rating	Dimensions W x H x D	Replaces
L99-329	TRN2121T1	10	21-1/2" x 21" x 5"	BAYFTAH21M
L99-330	TRN2321T1	10	23-1/2" x 21" x 5"	BAYFTAH23M
L99-331	TRN2621T1	10	26" x 21" x 5"	BAYFTAH26M
L99-332	TRN1427T1	10	14-1/2" x 27" x 5"	BAYFTFR14M
L99-333	TRN1727T1	10	17-1/2" x 27" x 5"	BAYFTFR17M
L99-334	TRN2127T1	10	21" x 27" x 5"	BAYFTFR21M
L99-335	TRN2427T1	10	24" x 27" x 5"	BAYFTFR24M

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Replacement Filters for AprilAire Media Air Cleaners

Honeywell Home



Order #	Mfg. #	Description	Duct Size	MERV Rating	CFM	Dimensions W x H x D	For Use With
L86-611	FC2200A1009	20" x 25" x 5" Replacement Filter	20" x 25" x 5"	10	2,000	20" x 25" x 5"	L86-862
L86-668	FC2400A1005	29-5/16" x 17-3/4" x 4" Replacement Filter	29-5/16" x 17-3/4"	10	2,000	29-5/16" x 17-3/4" x 4"	L86-863

MAC Series Media Air Cleaners

◀NEW

GENERALAire

- Cartridge-type media air cleaners with low pressure drop
- **L90-783** is a right angle air cleaner
- 10-year cabinet warranty



Order #	Mfg. #	Description	Duct Size	MERV Rating	CFM	Dimensions W x H x D
L97-772	MAC1200	MAC 1200 Air Cleaner	16" x 25"	8	1,200	5" x 17 1/4" x 25"
L97-773	MAC1400	MAC 1400 Air Cleaner	16" x 25"	11	1,400	7" x 18" x 25"
L97-774	MAC2000	MAC 2000 Air Cleaner	20" x 25"	11	2,000	7" x 22" x 25"
L62-776 ◀	MAC2020	MAC 2020 Air Cleaner	20" x 20"	11	1,400	7" x 22" x 21 1/2"
L90-783	MAC-L	MAC-L Air Cleaner	20" x 25"	11	2,000	15-5/16" x 23-7/16" x 25-5/8"

High Efficiency Replacement Media

GENERALAire



Order #	Mfg. #	Description	Duct Size	MERV Rating	Dimensions W x H x D	For Use With	Replaces	Each
L86-206	12758	Replacement Media for GeneralAire Model AC1	—	11	—	AC1, AC22, and AC3	AC1	**115.00**
L86-207	12880	Replacement Media for Aprilaire 2200 & 2250	20" x 25"	11	20" x 24.25" x 4"	—	2200 & 2250	**115.00**

Replacement Filters for MAC Series Media Air Cleaners

◀NEW

GENERALAire



A



B



C

Fig.	Order #	Mfg. #	Description	Duct Size	MERV Rating	CFM	Dimensions W x H x D	Replaces	Each
A	**L87-226**	3FM1625	3" Replacement Media for MAC 1200	16" x 25"	8	1,200	16" x 25" x 3"	1200	—
B	**L87-227**	6FM1625	5" Replacement Media (1400)	16" x 25"	11	1,400	16" x 25" x 5"	1400	—
—	**L83-003** ◀	6FM2020	5" Replacement Media (2020)	20" x 20"	11	1,400	20" x 20" x 5"	—	**79.00**
C	**L87-228**	6FM2025	5" Replacement Media (2000 & MAC-L)	20" x 25"	11	2,000	20" x 25" x 5"	2000, MAC-L, and Perfect Platform	—

GENERALAire

Air Filter Gage



- Gage is easy to read and interpret when media needs to be changed
- Easy to install and calibrate for new, clean media
- Built-in filter screen removes dust from sampled ambient air to keep gage clean
- Easy to disassemble/assemble for service
- Variety of uses wherever a blower/filter combination needs to be monitored
- **B15-270** allows mounting up to 10 feet from monitoring location

Order #	Mfg. #	Description	Dimensions W x H x D	For Use With	Each
B13-640	G-99	Air Filter Gage	2.25" x 2.24" x .625"	—	**65.00**
B15-270	G99-14	Remote Mounting Kit	10"	B13-640	**32.49**

AprilAire

Electronic Air Cleaner
5000 Model



- Combines electronic cells and pleated media in one unit
- Now featuring an “air cleaner control” that can be mounted on the unit or at a remote location
- 80% efficient at removing virus size particles of 0.01 micron
- 94% efficient at removing respirable dust size particles as small as 0.35 micron
- Traps particles on grounded micro-fiber media that only needs to be replaced annually
- Unit can be installed horizontally, vertically or at an angle
- Maximum airflow capacity of 2,000 CFM
- Equipped with 5 ft. power cord

Order #	Mfg. #	Duct Size	CFM
L96-864	5000	16" X 25"	2,000

Honeywell Home

Electronic Air Cleaners



- Captures up to 99% of airborne particles passing through the system
- Pre-filter screen protect cells from large particles, antimicrobial postfilter increases efficiency
- Low pressure drop
- Solid state power supply is self-regulating, maintaining peak efficiency over a wide range of cell dirt loading conditions
- Galvanized cabinet protects against rust

Order #	Mfg. #	Description	Duct Size	CFM
L97-380	F300E1001	Electronic Air Cleaner With Post-Filter	16" x 20"	1,200
L97-381	F300E1019	Electronic Air Cleaner With Post-Filter	16" x 25"	1,400
L97-382	F300E1027	Electronic Air Cleaner With Post-Filter	20" x 20"	1,400
L97-383	F300E1035	Electronic Air Cleaner With Post-Filter	20" x 25"	2,000

Honeywell Home

Replacement Parts for Honeywell Electronic Air Cleaners



Order #	Mfg. #	Description	For Use With
L86-470	FC37A1049	9.8" x 20" Electronic Air Cleaner Cell	F50A,E,F and F300A,E
L86-471	FC37A1064	12.4 x 20 Electronic Air Cleaner Cell	F50A,E,F and F300A,E
L86-472	FC37A1114	9.8" x 16" Electronic Air Cleaner Cell	F50F and F300A,E
L86-473	FC37A1130	12.4" x 16" Electronic Air Cleaner Cell	F50A,E,F and F300A,E
L86-474	203371	Prefilter for 16" x 25"	F50, F300
L86-475	203372	20" x 25" & 20" x 12-1/2" Prefilter	F50, F300
L86-476	203373	20" x 20" Prefilter	F50A,E,F and F300A,E
L86-477	209989	16" x 20" Prefilter	F50, F300
L99-211	203368	12-1/2" x 16" Pre-Filter w/o Spring Clip, 2 Required	F50F and F300
L99-212	203369	20" x 12-1/2" Pre-Filter w/o Spring Clip, 2 Required	F50F and F300
L99-213	203370	20" x 10" Pre-Filter w/o Spring Clip, 2 Required	F50F and F300
L86-886	50000293-001	16" x 10" Post-Filter, 2 Required	F50F and F300A,E
L86-887	50000293-002	16" x 12-1/2" Post-Filter, 2 Required	F50F and F300A,E

continued on next page

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Order #	Mfg. #	Description	For Use With
L86-888	50000293-003	20" x 10" Post-Filter, 2 Required	F50F and F300A,E
L86-889	50000293-004	20" x 12-1/2" Post-Filter, 2 Required	F50F and F300A,E
L40-735	137266	Cell Handle	F50A,E,F and F300A,E
L38-886	203365A	Conversion Kit (For use if 240V required)	F50A,E,F and F300A,E
L38-887	136434AA	20" Ionization Wire	F50A,E,F and F300A,E
L38-888	136434BA	16" Ionization Wire	F50A,E,F and F300A,E
L40-946	PS1201A00	Power Supply	F50A,E,F & F300A,E
L80-322	PS120200	Power Supply includes driver board for LED indicators	F50A,E,F and F300A,E
L86-966	PS1201B20	20" x 20" Power Box Assembly	F50F and F300A,E
L86-968	PS1201B25	20" x 25" Power Box Assembly	F50F and F300A,E
L80-900	FR8000F1625	16" x 25" Replacement Filter	FH8000F1625
L80-901	FR8000F2025	20" x 25" Replacement Filter	FH8000F2025
L80-902	FR8000A1620	16" x 20" Replacement Filter	FH8000A1620
L80-903	FR8000A2020	20" x 20" Replacement Filter	FH8000A2020
L80-904	FR8000A2520	25" x 20" Replacement Filter	FH8000A2520

iWave™ Air Cleaners

Nu-Calgon

- Injects equal amounts of positive and negative ions into the air reducing passing pollutants, gasses and odors
- Contact with ions has a microbicidal effect on certain viruses and bacteria, which disrupts their surface proteins and renders them inactive
- Ions also attach to dust and other particles causing them to band together until they are large enough to be caught by filters



Order #	Mfg. #	Description	Each
L82-080	4900-10	iWave™-C Commercial Model with Programmable Self-Cleaning for HVAC systems up to 12 Tons	**1699.00**
L82-081	4900-20	iWave™-R Residential Model with Programmable Self-Cleaning for HVAC Systems up to 6 Tons	**1099.00**
L82-083	4900-40	iWave™-V Residential Model with Low Maintenance for HVAC systems up to 6 Tons	**445.00**
L82-136	4900-35	Ductless and flexible applications	**615.00**

NuShield™ Air Ionization Systems

Nu-Calgon

- NuShield emits both positive and negative ions into airstream to reduce certain viruses and bacteria
- UL 2998 validation for zero Ozone Emissions
- Contact with ions has microbicidal effects on certain viruses and bacteria, which disrupts surface proteins and renders them inactive
- The ions emitted from the NuShield ionization system attaches to particles like dust and dander, causing them to band
- Patented self-cleaning design
- Multi-voltage input 24VAC to 240VAC
- No replacement parts needed

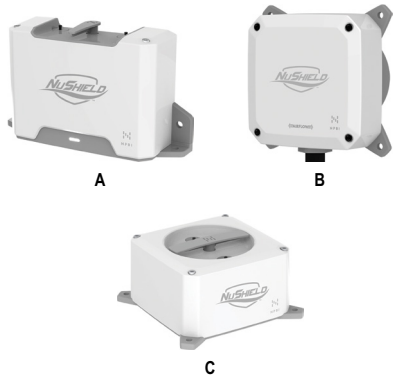

Fig.	Order #	Mfg. #	Description	Each
A	**L82-606**	4900-50	Commercial Air Ionization System For Internal Mount; Self-Cleaning for Systems Up to 12 Tons	**1745.00**
B	**L82-607**	4900-55	Commercial Air Ionization System for External Duct Mount; Self-Cleaning for Systems Up to 12 Tons	**1799.00**
C	**L82-608**	4900-60	Residential Air Ionization System; Self-Cleaning for Systems Up to 6 Tons	**1099.00**

Bipolar Filtration Enhancing Ionizer

ENHANCE-ION

FRESHAIRE UV
The Indoor Air Quality Expert

- Bipolar ionization helps capture airborne contaminants and pollutants including fine particulate matter less than 2.5 microns in diameter
- Ozone free
- 3-year warranty



Order #	Mfg. #	Description	Each
L51-708	TUV-BIPO-ER	24V	**519.00**

RGF ENVIRONMENTAL GROUP INC.

Clear Sky™ Self-Cleaning Ion Generator



A



B

- Self-cleaning, maintenance-free treatment option for HVAC systems
- Produces high concentrations of both positive and negative ions that will reduce bacteria, mold and particulates in the conditioned space
- Uses continuous "self-cleaning" technology achieved by ultrasonic energy coupled with induced oscillations targeted directly to the carbon ion emitters
- For use within HVAC systems up to 2,400 CFM or 6 tons

Fig.	Order #	Mfg. #	Description	Each
A	**L51-137**	CLEAR-SKY-DM	Bi-polar Magnetic Mount In-duct Unit	**235.00**
B	**L51-138**	CLEAR-SKY-MS	Bi-polar Mini-split Unit	**235.00**

Plasma Air
A WellAir Brand

Brush Ionizers



- Rated up to 2400 CFM (or 6 tons) and produce positive and negative ions neutralizing harmful pathogens, pollutants and odors
- They are typically installed inside the blower housing with a footprint small enough to enable mounting directly at the blower housing inlet
- Use pre-installed magnet to mount
- UL2998 validated for zero ozone emissions

Order #	Mfg. #	Description	For Use With	CFM	Each
L51-139	PA601PP	12 Volt	Residential and Commercial equipment	2400	**585.00**
L51-140	PA602PP	24 Volt	Residential and Commercial equipment	2400	**585.00**
L51-141	PA603PP	120 Volt	Residential and Commercial equipment	2400	**585.00**
L51-142	PA604PP	208/230 Volt	Residential and Commercial equipment	2400	**585.00**

Plasma Air
A WellAir Brand

AutoClean 1500 Needlepoint Ionizer



- Self-cleaning needlepoint ionizer that produces positive and negative ions that neutralize harmful pollutants and odors
- This product is typically installed at the inlet of the blower housing and rated at up to 6000 CFM or 15 tons
- UL2998 Validated for zero ozone emissions

Order #	Mfg. #	For Use With	CFM	Each
L51-143	AutoClean-1500	Residential and Commercial equipment	6000	**1099.00**

Plasma Air
A WellAir Brand

Needlepoint Ionizer



- Needlepoint ionizers are rated up to 6000 CFM and produce positive and negative ions neutralizing harmful pathogens, pollutants and odors
- They are typically installed in supply ducts utilizing the pre-drilled flange and factory applied gaskets and can also be installed inside an HVAC unit utilizing a contractor supplied mounting bracket
- UL2998 validated for zero ozone emissions

Order #	Mfg. #	For Use With	CFM	Each
L51-147	PA7201	Residential and Commercial equipment	6000	**1299.00**

FIELDCONTROLS

Tadiran Airow 3™ Hydrogen Peroxide Air Cleaner

NEW



- Eliminates up to 99% of bacteria, viruses and mold
- Tested and approved by FDA-cleared testing lab
- Zero maintenance or upkeep
- Easy to install in mini-splits and PTACs
- Operates up to 1600 CFM
- 110V input, 12V DC output

Order #	Mfg. #	Description	Each
L51-878	602613400	Air Cleaner	**705.00**
L51-895	602613410	Mounting Bracket For Ceiling Cassettes Or Ducted Units	**99.00**

KOCH FILTER

Accessories for ENVIRCO IsoClean 400 and 800 HEPA Air Filtration Systems



Order #	Mfg. #	Description	Each
L60-166	T10950-69391-005	HEPA Filter IsoClean 400	**885.00**
L60-165	T10850-69391-001	HEPA Filter IsoClean 800	**1545.00**
L94-868	102-041-002	Prefilter Multi-Pleat XL8	**11.49**
L95-102	102-051-002	Prefilter OdorKleen Carbon ES	**19.99**
L60-109	102-061-002	Prefilter MicroSafe Antimicrobial ES	**19.99**
X93-307	T10850-11055	8" Duct Collar w/Flange	**715.00**

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ENVIRCO IsoClean 800 HEPA Air Filtration Systems

KOCH FILTER

- Up to 800 CFM of HEPA filtered air
- Low cost isolation room
- Flexible applications: clean air recirculating unit, negative pressure unit, or split system
- Small and portable
- 3-speed adjustable airflow
- Easily accessible HEPA filter and prefilter



Order #	Mfg. #	Description	Length	Width	Height	CFM	Each
X93-299	T10850-001	120V	15.75"	23.66"	62.25"	800	**9745.00**
X93-300	T10850-005	120V with UV	19.75"	23.66"	62.25"	800	**11500.00**
X93-301	T10921-001	220V	15.75"	23.66"	62.25"	800	**13900.00**
X93-302	T10921-004	220V with UV	19.75"	23.66"	62.25"	800	**15500.00**

Commercial Air Cleaners

KOCH FILTER

Enviroco IsoClean CM

- 4-wheel rolling system for easy portability
- Quiet operation (48min-69max dBA)
- High efficiency HEPA filter (99.97%)
- Efficiency scrubs air at 400 to 1700 cu ft/min
- 6room air changes per hour
- UV-C disinfectant lighting option
- LED indication for filter replacement



Order #	Mfg. #	Description	Length	Width	Height	CFM	Each
X93-151	T272000-001	120V	24.75"	26.18"	57.75"	400-1700	**7599.00**
X93-152	T272000-001UV	120V with UV	24.75"	26.18"	57.75"	400-1700	**8345.00**
L60-203	H66A2X1-GUS	Replacement HEPA Filter	24.5"	24.5"	12"	—	**1099.00**

Hero HS 300 Whole-House HEPA Filtration

fantech® a systemair company

- Whole house HEPA filtration system that is 99.7% effective down to 0.3 microns
- Designed to clean and filter the air in an average 2000 sq. ft. home every hour while larger homes will take slightly longer
- Duct or wall mounted
- Pulls air from the air stream for filtering and does not affect system performance
- HEPA filter lasts 2 to 5 years depending on maintenance of the prefilter
- Prefilter should be replaced every 3 months
- Permanently lubricated motor with sealed ball bearings to guarantee long life and maintenance-free operation
- 120V

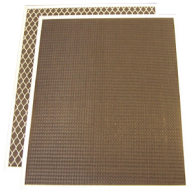


Order #	Mfg. #	Description	Length	Width	Height	CFM	Each
X93-429	HS 300	Duct Or Wall Mount	12"	17"	22"	280	**1045.00**
X93-596	PHS300	Portable	12"	17"	24"	170-240	**1199.00**
L60-181	463046	Replacement Carbon Prefilter	17"	3"	13"	—	**89.00**
L60-182	463048	Replacement HEPA Filter	17"	3"	13"	—	**275.00**

Electronic Air Cleaner Upgrade Kits

PERMATRON®

- Electrostatically charged polypropylene pre-filter removes particles
- Activated carbon after-filter removes odors/ozone/ash brush-off
- Increases working efficiency of air cleaner
- Kits include one pre-filter and one after-filter
- **L97-697** and **L97-698** are metal mesh pre-filter only



Order #	Mfg. #	For Use With	Duct Size
L97-690	EAC-WRSST10KIT	SST1000	21-5/16" x 16-3/8" x 1/4"
L97-691	EAC-WRSST14KIT	SST1400	26-1/4" x 16-3/8" x 1/4"
L97-692	EAC-WRSST20KIT	SST2000	26-1/4" x 20-1/2" x 1/4"
L97-693	EAC-WRUSTKIT	SST1600	21-5/16" x 20-1/2" x 1/4"
L97-694	EAC-HW1073KIT	F50F1073	15-7/8" x 24-3/4" x 1/4"
L97-695	EAC-HW1065KIT	F50F1065	19-7/8" x 24-3/4" x 1/4"
L97-696	EAC-HW1032KIT	F50F1032	19-7/8" x 19-7/8" x 1/4"
L97-697	EAC-MM2025	All Models	20" x 25" x 1/4"
L97-698	EAC-MM1625	All Models	16" x 25" x 1/4"

Respicaire CG Electronic Air Cleaners

Respicaire

- High efficiency carbon graphite system
- 95% efficient down to 1 micron
- Helps remove pollens, spores, bacteria, viruses and allergens
- Green energy use at only 2 watts
- 24V with low pressure drop
- MERV 10 performance
- Waterproof electronics
- Slides into 1" filter slot



Order #	Mfg. #	Duct Size	Each
L80-497	3RSCG1620	16" x 20"	**335.00**
L80-498	3RSCG1625	16" x 25"	**335.00**

Order #	Mfg. #	Duct Size	Each
L80-499	3RSCG2020	20" x 20"	**335.00**
L80-500	3RSCG2025	20" x 25"	**335.00**

Replacement Media for Respicaire CG and Airscreen 1000 — 4 Change Pack



Order #	Mfg. #	Duct Size	Each
L80-501	4PAD8CG1620	16" x 20"	**55.00**
L80-502	4PAD8CG1625	16" x 25"	**55.00**
L80-503	4PAD8CG2020	20" x 20"	**55.00**
L80-504	4PAD8CG2025	20" x 25"	**55.00**

Replacement Media for Aircleen 1500 — 4 Change Pack



Order #	Mfg. #	Duct Size	Each
L80-505	4PAD15001620	16" x 20"	**75.00**
L80-506	4PAD15001625	16" x 25"	**75.00**
L80-507	4PAD15002020	20" x 20"	**75.00**
L80-508	4PAD15002024	20" x 24"	**75.00**
L80-509	4PAD15002025	20" x 25"	**75.00**
L80-510	4PAD15002424	24" x 24"	**75.00**

IAQPRO SmartAir™ Meter



- Quickly measure and record indoor air quality
- Independent sensors accurately measure particulate matter, volatile organic compounds, carbon dioxide, temperature, relative humidity, building pressure and dew point
- CPS Link™ app automatically logs indoor air quality measurements and identifies likely causes of issues
- Easily generate a report of recommended products and services that can be presented to the homeowner
- Includes USB charging cord and carrying case

Order #	Mfg. #	Each
H28-616	IAQPRO	**1299.00**

APCO-X Ultra Air Treatment Systems

◀ NEW


A


B

- In-duct air purifier with carbon odor remover
- 3-year lamp
- LED lamp change indicator
- Validated to UL2998 zero-ozone
- Lifetime warranty
- 24V operation with included 120V transformer

Fig.	Order #	Mfg. #	Description	Volts	Each
A	**L82-920** ◀	TUV-APCOX-U	UV System 3-year lamp	18-32	**1099.00**
B	**L82-921** ◀	TUV-APCOX-UD	UV System Dual 3-year lamp	18-32	**1499.00**

APCO-X MAG Air Treatment Systems


A


B

- Combines UVC light and activated carbon technology to neutralize odor-causing VOCs and biological contaminants
- Treats the air while keeping the HVAC system clean and efficient
- 3-year UVC quartz lamp
- Direct coil exposure
- UL validated to produce no harmful ozone
- Coated anti-vibration magnet mount
- No ozone, UL 2998 validation

Fig.	Order #	Mfg. #	Description	Volts	Lamp Length	Each
11 Inch Lamp						
A	**L82-625**	TUV-APCOX-MAG11-ER3	18-32 VAC Magnetic Mount UV System 11" lamp	18-32	11"	**1245.00**
A	**L82-626**	TUV-APCOX-MAG11-ST3	120-277 VAC Magnetic Mount UV System 11" lamp	120-277	11"	**1245.00**
15 Inch Lamp						
A	**L82-620**	TUV-APCOX-MAG15-ER3	18-32 VAC Magnetic Mount UV System 15" lamp	18-32	15"	**1345.00**
A	**L82-623**	TUV-APCOX-MAG15-ST3	120-277 VAC Magnetic Mount UV System 15" lamp	120-277	15"	**1345.00**
B	**L82-624**	TUV-APCOX-MAG15-DT3	120-277 VAC Dual Lamp Magnetic Mount UV System 15" lamp	120-277	15"	**1899.00**

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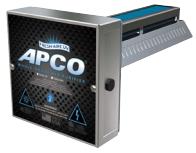
APCO In-Duct Air Purification Systems

- Lifetime carbon cell to remove odors and VOCs
- UVC light for airborne and coil/ drain disinfection
- No ozone, UL 2998 validation
- Simple duct mount installation
- Lifetime warranty on all parts except lamp, see chart



A


B

Fig.	Order #	Mfg. #	Description	Volts	Each
A	**L81-167**	TUV-APCO-DER	Double Lamp - One Year Lamp Warranty	18-32	**1545.00**
A	**L81-140**	TUV-APCO-DER2	Double Lamp - Two Year Lamp Warranty	18-32	**1745.00**
A	**L81-105**	TUV-APCO-DI2P	Double Lamp - Two Year Lamp Warranty	110-277	**1745.00**
B	**L82-011**	TUV-APCO-MAG15	APCO MAG Upgrade - Carbon/PCO Fixture ONLY	—	**589.00**

APCO with Magnetic Mounting

- Magnetic Mounted APCO UV system
- Lifetime Carbon Cell to Remove Odors and VOCs
- No Ozone lamp



Order #	Mfg. #	Volts	Each
L82-337	TUV-APCO-MAG15-ER2	18-32	**1145.00**

Blue-Tube Germicidal UV Light Systems

- 99.9% reduction of mold growth on coils and HVAC system interior
- Saves energy/reduces maintenance costs
- Reduces airborne contaminants including viruses and bacteria
- Magnetic "Z" bracket makes installation a snap
- Lifetime warranty on parts, one-year on UVC lamp



Order #	Mfg. #	Description	Volts	Lamp Length	Each
L81-098	TUV-BTER	1-year lamp	18-32	15"	**425.00**
L82-456	TUV-BTER2	2-year lamp	18-32	15"	**489.00**
L81-099	TUV-BTST	1-year lamp	110-277	—	**539.00**

Blue-Tube UV-X Germicidal UV Light Systems

- 3-year lamp life and improved electronic power supply
- Keeps HVAC systems clean and improves indoor air quality
- Continuously neutralizes bacteria, mold and viruses
- Coated anti-vibration magnet mount
- Lifetime warranty



Order #	Mfg. #	Description	Volts	Each
L82-622	TUV-BTX-ER3	18-32 VAC UV Light System	18-32	**609.00**
L82-628	TUV-BTX-ST3	110-277 VAC UV Light System	120-277	**705.00**

Elite-UV Germicidal Light

- Simple and complete choice in UV light for all residential applications
- Connect to low voltage transformer and install the UV light where needed
- Weather resistant remote mountable UV lamps
- Magnetic "Z" mounting bracket for easy installation
- 24 VAC power supply mounts inside control panel
- 2-year power supply warranty
- 1-year quartz lamp warranty
- Kills mold, bacteria, and viruses
- Reduces household odors



Order #	Mfg. #	Description	Each
L82-457	ELITE-UV	Germicidal UV System	**215.00**

FRESHAIRE UV
The Indoor Air Quality Expert

Replacement Lamps


A


B


C

Fig.	Order #	Mfg. #	Description	Lamp Length	Each
A	**L82-664**	TUVL-115	15" 1-Year Lamp for BT & APCO products	15"	**209.00**
—	**L81-108**	TUVL-115P	1-Year Lamp	15"	**199.00**
—	**L81-109**	TUVL-215P	2-Year Lamp	15"	**295.00**
B	**L82-665**	TUVL-311	11" 3-year lamp for BTX & APCO-X products	11"	**409.00**
C	**L82-455**	TUVL-315	15" 3-year lamp for BTX & APCO-X products	15"	**409.00**

Honeywell Home

AirBRIGHT Ultraviolet Air Purifiers

NEW



- Installs in the ductwork of an HVAC system
- Reduces airborne odors, toxic chemical vapors, germs and mold
- Offers 18,000 hour bulb life
- 5-year power supply warranty and 10-year UltraClean Coil guarantee
- **L82-993** offers 2 rows of carbon bricks for additional odor neutralization

Order #	Mfg. #	Description
L82-992	UV2400U2000/U	UV Air Purifier
L82-993	UV2400U6000/U	UV Air Purifier with Carbon
L82-994	UV2400XLAM2/U	Replacement lamp for L82-992
L82-995	UV2400XLAM6/U	Replacement lamp for L82-993
L82-996	UV2400XCRB6/U	Replacement carbon strips for L82-993

Honeywell Home

UV Air and Surface Treatment Systems


A


B

- Ultraviolet light penetrates microorganism and breaks down molecular bonds causing cellular and/or genetic damage
- Germs are killed or sterilized, leaving them unable to reproduce
- UV bulbs made from sodium-barium silicate and don't produce ozone
- SmartLamp™ technology provides extended lamp life by turning on with airflow and turning off 30 minutes after airflow stops
- SnapLamp™ feature reduces bulb costs by reusing the handle
- LED bulb change indicator
- **L86-488** is coil irradiation unit that mount in supply side air duct or downstream from air conditioner cooling coils and reduces mold on coil surfaces and drain pans

Specifications:

- Outside duct operating temperature: 30°F to 120°F
- Duct mounted operating temperature: single and two-lamp operating temperature: 30°F to 120°F; coil-irradiation unit operating temperature: 30°F to 170°F in moving air, 30°F to 120°F in still air
- Electrical supply: power cord that plugs into 120VAC electrical outlet

Fig.	Order #	Mfg. #	Description
A	**L86-979**	UV100E1043	Single-Lamp Return Air Treatment with SmartLamp Technology
B	**L86-980**	UV100E2009	Dual-Lamp Return Air Treatment with SmartLamp Technology
A	**L86-488**	UV100A1059	Coil Irradiation Surface Treatment
—	**L86-982**	UC100E1006	L86-979 Replacement Bulb/Blue Handle Assembly
—	**L86-984**	UC100E1030	L86-980, L86-981 Replacement Bulb/Blue Handle Assembly
—	**L86-985**	UC18W1004	L86-979 SnapLamp Replacement Bulb
—	**L86-986**	UC36W1006	L86-488, L86-980 & L86-981 SnapLamp Replacement Bulb

FRESHAIRE UV
The Indoor Air Quality Expert

Fresh-Aire Mini UV™ LED



- Maintains a clean mini-split by addressing mold & bio-film on the blower and surrounding area
- UV LED spectrum is safe for eyes & plastics
- 40" adhesive LED strip is trimmed to length
- Lifetime warranty on parts. 5 years on replaceable LED array

Order #	Mfg. #	Description	Each
L82-621	TUV-MINI-LED-SW	UV Light LED System with On/Off Switch for Mini-Splits	**435.00**
L82-627	TUV-MINI-LED-ONOFF	On/Off Switch for TUV-MINI-LED (for non-switch models)	**43.49**

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Air Purifier and UVC Coil Cleaner Bundles

AprilAire

- Air cleaner and UVC bundled for convenience
- UVC also available as a stand-alone



A


B


C

Fig.	Order #	Mfg. #	Description	Volts	Lamp Length	Wt. Lbs.	Each
A	**L82-764**	UV12	1210 Air Purifier and UVC Coil Cleaner	24VAC	16" Nominal/14.5" Actual	20.5	**535.00**
A	**L82-765**	UV14	1410 Air Purifier and UVC Coil Cleaner	24VAC	16" Nominal/14.5" Actual	20.5	**535.00**
A	**L82-766**	UV22	2210 Air Purifier and UVC Coil Cleaner	24VAC	16" Nominal/14.5" Actual	21.2	**609.00**
A	**L82-767**	UV24	2410 Air Purifier and UVC Coil Cleaner	24VAC	16" Nominal/14.5" Actual	21.2	**609.00**
B	**L82-768**	AUV24V	UVC Coil Cleaner	24VAC	16" Nominal/14.5" Actual	1.977	**349.00**
C	**L82-769**	AUVRPB	UVC Replacement Lamp	24VAC	16" Nominal/14.5" Actual	0.483	**199.00**

REME HALO® Zero Whole Home In-Duct Air Purifier

NEW

RGF ENVIRONMENTAL GROUP INC.

- Meets UL 2998 Zero Ozone verification
- Utilizes RGF's patented aGHP-Cell technology with UV-C light to create low level, airborne hydrogen peroxide throughout the air-conditioned space reducing airborne and surface bacteria, viruses, odors, and mold


A

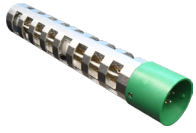
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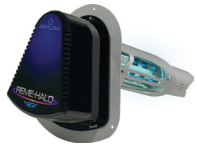
Fig.	Order #	Mfg. #	Description	Volts	Wt. Lbs.	Each
A	**L82-663**	ZERO-H4-AC	Indoor Air Purification System meets UL 2998	24/DC	6	**865.00**
B	**L51-896**	PHIC-RH-3	Replacement lamp for Halo ZERO	24/DC	1	**439.00**

REME HALO® Whole Home In-Duct Air Purifier

RGF ENVIRONMENTAL GROUP INC. REME·HALO by RGF

- The REME-HALO® utilizes RGF's patented REME® Cell technology with UV-C light to create low level, airborne hydrogen peroxide throughout the air-conditioned space reducing airborne and surface bacteria, viruses, odors, and mold


A

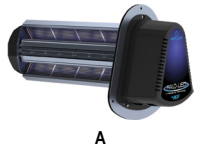

B

Fig.	Order #	Mfg. #	Description	Volts	Wt. Lbs.	Each
A	**L82-570**	REME-H	Total Indoor Air Purification System	24 VAC/DC	6	**949.00**
B	**L51-082**	PHIC-RH	REME HALO® replacement cell	24 VAC/DC	0.1	**439.00**

HALO-LED™ Whole Home In-Duct Air Purifier

RGF ENVIRONMENTAL GROUP INC. HALO·LED by RGF

- Reduces airborne and surface bacteria, viruses, odors, and mold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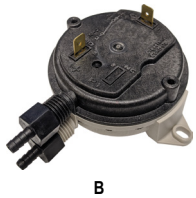
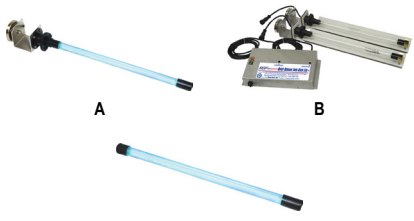

B


C

Fig.	Order #	Mfg. #	Description	Volts	Wt. Lbs.	Each
A	**L82-571**	REME-LED	Total Indoor Air Purification System	24/DC	6.4	**1199.00**
B	**L51-075**	HLED-AS	HALO LED air sensing switch	—	0.5	**89.00**
C	**L51-083**	PHIC-REME-LED	HALO LED™ replacement cell	24	0.1	**659.00**

Stick Light System and Accessories

BLU QR®



- BLU QR® UV Stick Light quick-release lamp which requires no tools for the lamp replacement
- Four mounting options included; magnetic mount, through panel mount, bracket mount and direct mount

Fig.	Order #	Mfg. #	Description	Volts	Lamp Length	Wt. Lbs.	Each
A	**L82-574**	BLU-QR	1-Year UV Stick Light	24	18"	1	**189.00**
A	**L82-575**	BLU-QR2	2-Year UV Stick Light	24	18"	1	**229.00**
B	**L82-576**	BQR-TS-24	Twin Stick Lite	24	18"	1	**629.00**
C	**L82-589**	BQR+141Y	BLU QR® 1 year replacement cell	24	18"	0.1	**95.00**
C	**L82-590**	BQR+142Y	BLU QR® 2 year replacement cell	24	18"	0.1	**135.00**

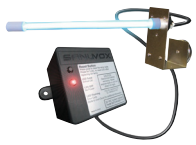
Scorpion UVC-LED System



- 15" UVC-LED Disinfection System with shatterproof LED
- Kills mold, mildew, viruses, and bacteria on and around your HVAC coil
- Air flow sensor to power only when fan is running
- Meets UL 2998 zero ozone emission certification

Order #	Mfg. #	Description	Volts	Each
L82-804	4910-10	15" UVC-LED Disinfection System 24VAC Input	24VAC	**589.00**
L82-805	4910-11	15" UVC-LED Disinfection System 110-277VAC Input	110-277VAC	**589.00**

Saber 16/24-GM2 Ultraviolet Lamp System

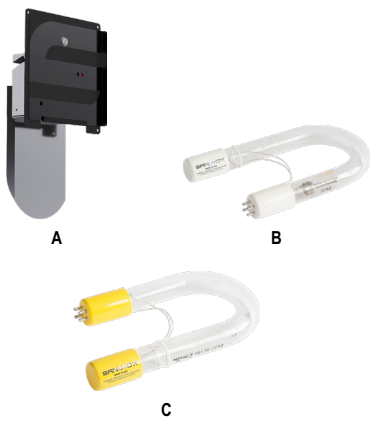


- Destroys and prevents mold and bio-film growth on evaporator coil and surrounding areas
- 16" lamp
- Electronic 24V ballast with LED status light
- Magnetic multi-bracket for easy installation
- Uses **L80-305** replacement lamp

Order #	Mfg. #	Each
L81-587	SABER16/24-GM2	**359.00**

R1r In-Duct Air Purifier

NEW



- CARB certified
- Swivel unit for quick and easy install and access
- UVC J Lamp with aluminum reflector for enhanced UV output
- 5-year ballast with LED status indicator
- Safety function: circuit interrupter switching the unit off when removed from the frame
- 2-year replacement lamp part number LMPLG65T5

Note: L82-916 provides odor control

Fig.	Order #	Mfg. #	Description	Volts	Lamp Length	Duct Size	Wt. Lbs.	Each
A	**L82-915** ◀	R1R-G	In-duct Air Purifier	24	6.5"	7"x7"	2.4	**645.00**
A	**L82-916** ◀	R1R-GX	In-duct Air Purifier with Odor Control	24	6.5"	7"x7"	2.4	**645.00**
B	**L82-917** ◀	LMPLGJ65T5	Replacement UVC Lamp for R1R-G	—	—	—	—	**399.00**
C	**L82-918** ◀	LMPLGXJ65T5	Replacement UVC Lamp with odor control for R1R-GX	—	—	—	—	**415.00**

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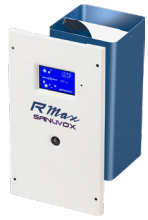
In-Duct UV Air Purifiers

SANUVOX

- For residential and light commercial applications
- Turbulator slows, twists and mixes contaminated air around a proprietary UV "J" lamp, increasing the time contaminants are exposed to UV light and maximizing amount of bacteria killed
- 19mm UVC/UVV quartz germicidal lamp
- Aluminum reflecting tube contains and reflects the UV energy back onto the air
- **L80-892** has smart voltage ballast that automatically switches from 110 to 240V and a 3" LCD screen that displays real-time system status
- **L81-287** is 110/240V with a multi-color LED status display and microprocessor controlled Thermistor for automatic operation
- CSA/NRTL certified



A



B

Fig.	Order #	Mfg. #	Description	Each
A	**L81-287**	SRMAX	Residential UV Purifier w/ LCD For Up To 2,000 Sq. Ft.	**1099.00**
B	**L80-892**	RMAX	Residential UV Purifier w/ LCD For Up To 4,000 Sq. Ft.	**1699.00**

Replacement Parts for Sanuvox Air Treatment Systems

Order #	Mfg. #	Description	For Use With	Each
L41-810	BST120/277GL	120/230 Volt Electronic Ballast w/LED	L86-834, L86-835, L87-287	**365.00**
L98-065	MSCFTR10	Replacement Pre-Filter	L87-287	**135.00**
L98-066	MSCFTR11	Replacement HEPA Filter	L87-287	**509.00**
L87-290	LMPRGPT120	12" T6 Germicidal (UVC) Lamp	Saber12G	**215.00**
L87-291	LMPRGPT180	18" T6 Germicidal (UVC) Lamp	Saber-18G/24, Saber-18G/110	**289.00**
L80-304	LMPRGPT150	16" UV Lamp	L87-285, L87-286	**225.00**
L80-305	LMPRGPT160T5	16" UV Lamp	L80-180, L80-891	**169.00**
L41-818	LMPRGXJ105	T6 Dual 10-1/2" UV "J" Lamp	Q86-536	**515.00**
L41-819	LMPRGXJ65	T6 Dual 6-1/2" UV "J" Lamp	L87-247, Q86-535, L81-287	**475.00**
L41-821	LMPHGXJ105	T6 Dual High Intensity 10-1/2" UV "J" Lamp	L86-835, L87-287, L80-892	**565.00**
L41-822	LMPHGXJ65	T6 Dual High Intensity 6-1/2" UV "J" Lamp	L86-834	**535.00**
L41-823	LMPHGJ105	High Intensity Germicidal 10-1/2" UV "J" Lamp	L86-835, L87-287	**539.00**
L87-294	LMPHGS180	T6 High Intensity Straight 18" UV Lamp	L86-844, L86-845	**435.00**
L48-198	BST120/240GL	120/240 Volt Robertson Ballast	L81-287	**255.00**

RGF Portable Units

RGF ENVIRONMENTAL GROUP INC. PIP·MAX by RGF

- **L51-078** REME-ION Portable Air Purification Systems reduces allergens, odor, mold, bacteria, and VOCs (airborne chemicals)
- **L51-077** PIP-MAX™ portable air purification system utilizes RGF's patented REME-HALO® technology reducing airborne and surface bacteria, viruses, odors, and mold
- Plugging directly into the existing wall outlet, the PIP-MAX™ can be installed in any room and offers an additional power outlet on the unit housing



A



B



C

Fig.	Order #	Mfg. #	Description	Volts	Lamp Length	Wt. Lbs.	Each
A	**L51-077**	PIP-MAX	Portable Air Purification System	120	5"	2	**655.00**
B	**L51-092**	PHIC-PIP-GA-MAX	PIP MAX replacement cell	110	5"	0.1	**299.00**
C	**L51-078**	REME-ION	Portable Air Purification System	12	—	1	**449.00**

Blue-Tube XL Commercial UV Systems

FRESHAIRE UV The Indoor Air Quality Expert

- Fits coils up to 144" x 144"
- High output 2 year UV-C lamps
- Turn-key solution designed for both coil mount and duct mount disinfection
- Lifetime warranty on all parts. 2-year UV lamps
- Water resistant heavy duty power supply
- Complete with Hardware Kit Bags, Brackets with Magnets, and 1/2" EMT Conduit Pipe for mounting the structure



Order #	Mfg. #	Description	Lamp Length	Wt. Lbs.	Each
L82-234	TUV-BTXL-232S	Single Lamp	32"	12	**2045.00**
L82-235	TUV-BTXL-232D	Dual Lamp	32"	14	**2999.00**
L82-236	TUV-BTXL-246S	Single Lamp	46"	18	**2199.00**
L82-237	TUV-BTXL-246D	Dual Lamp	46"	20	**3245.00**
L82-238	TUV-BTXL-260S	Single Lamp	60"	18	**2699.00**
L82-239	TUV-BTXL-260D	Dual Lamp	60"	22	**4745.00**

FRESHAIRE UV
The Indoor Air Quality Expert

Commercial Series Parts and Accessories

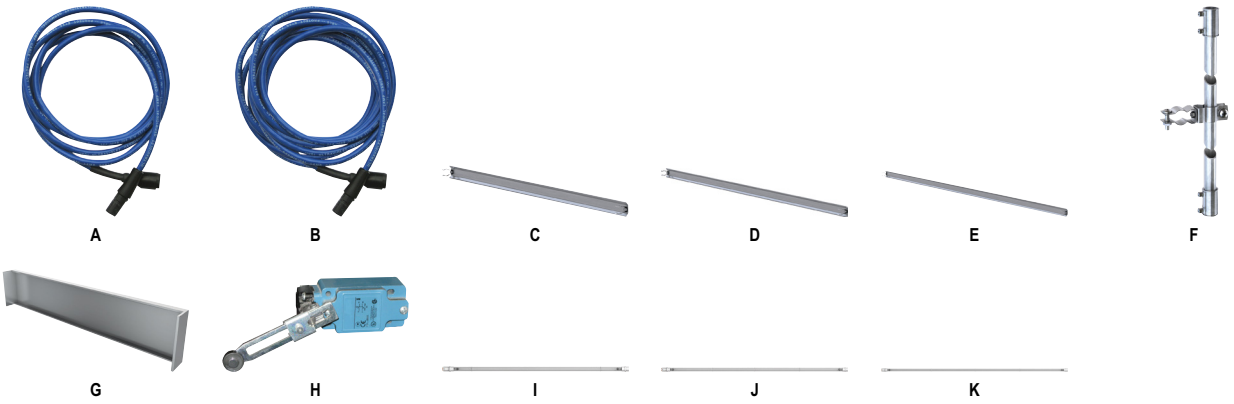


Fig.	Order #	Mfg. #	Description	Wt. Lbs.	Each
A	**L47-531**	TUV-CBL5	5 ft. (1.5m) Remote Mounting Cable	—	**65.00**
B	**L47-532**	TUV-CBL10	10 ft. (3m) Remote Mounting Cable	—	**135.00**
C	**L93-316**	TUVC-SHIELD-32W	32" (81 cm) Lamp Shield	—	**149.00**
D	**L93-317**	TUVC-SHIELD-46W	46" (117 cm) Lamp Shield	—	**165.00**
E	**L93-318**	TUVC-SHIELD-60W	60" (152 cm) Lamp Shield	—	**175.00**
F	**L47-534**	TUVC-VS	Vertical Support for TRS Kit	—	**119.00**
G	**L47-535**	TUVC-CMBRKT	12" (30.5 cm) Coil Mount Bracket	—	**47.49**
H	**L47-536**	TUVC-INTLCK-SP	Door Interlock Switch Kit	2	**405.00**
I	**L93-320**	TUVCL-232TF	Replacement Lamp: 32" (81 cm) Teflon Coated Extended Life 2 Year Warranty Lamp	4	**525.00**
J	**L93-321**	TUVCL-246TF	Replacement Lamp: 46" (117 cm) Teflon Coated Extended Life 2 Year Warranty Lamp	5	**619.00**
K	**L93-322**	TUVCL-260TF	Replacement Lamp: 60" (152 cm) Teflon Coated Extended Life 2 Year Warranty Lamp	5	**719.00**
—	**L82-458**	TUVCL-232HO	32" (81cm) High Output Commercial Lamp	—	**495.00**
—	**L82-459**	TUVCL-246HO	46" (152cm) High Output Commercial Lamp	—	**535.00**
—	**L82-460**	TUVCL-260HO	60" (117cm) High Output Commercial Lamp	—	**555.00**

RGF ENVIRONMENTAL GROUP, INC. AVID·AIR® By RGF

AVID AIR® Commercial Air Purification System

- Air purification system provides efficient odor, bacteria, virus, mold and VOC (chemical odor) reduction
- Unit mounts flush into a wall or ceiling providing an effective and completely inconspicuous air purifier

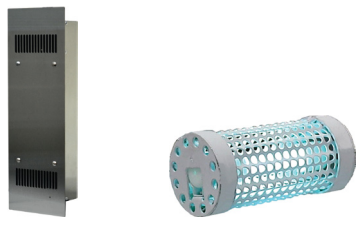


Fig.	Order #	Mfg. #	Description	Volts	Lamp Length	Wt. Lbs.	Each
A	**L82-585**	AVID-AIR-BRU16	Air Purification System	115	—	2	**1545.00**
B	**L51-090**	PHIC-5GA-BRU	AVID AIR BRU16 replacement cell	115	5"	0.1	**299.00**

RGF ENVIRONMENTAL GROUP, INC.

HALO-ROVE™ Commercial Air Purification System

- The HALO-ROVE™ utilizes RGF's patented PHI-CELL® technology to substantially reduce airborne and surface bacteria, viruses, odors, and mold
- Designed as a standalone, portable active air purifier capable of treating up to 1,000 square feet



Order #	Mfg. #	Description	Volts	Lamp Length	Wt. Lbs.	Each
L82-578	CAPS-CMTR-120-R	Commercial Air Purification System	120	5"	5	**1399.00**

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Saber 16/24-GM2 PRO Wireless

SANUVOX

- Destroys mold and mold odors on coil and improves energy efficiency
- 24V
- 3 inches Remote Wireless Display screen giving live status of UV operation, including lamp life countdown and Call installer indicator for lamp replacement
- Low or high voltage alarm
- Second lamp included with each unit
- Uses **L80-305** 16" replacement lamp and **L45-746** remote mount kit

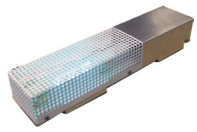


Order #	Mfg. #	Each
L81-586	SABERPW16/24-GM2	**525.00**

RGF-PKG™ UV Air Purification Systems

RGF ENVIRONMENTAL GROUP INC. RGF·PKG by RGF

- The PHI-PKG™ package unit uses RGF's patented Photohydroionization® (PHI-CELL®) technology to reduce airborne and surface bacteria, viruses, odors, and mold
- PHI-PKG™ package units are designed specifically for use where the supply duct is not accessible and large commercial applications
- They utilize adjustable magnetic feet with vibration dampers to attach without fasteners to the HVAC blower unit or PKG-Rack™ System



Order #	Mfg. #	Description	Volts	Lamp Length	Wt. Lbs.	Each
L51-076	PHI-PKG14-24	Commercial Air Purification System	24	14"	2	**1045.00**
L82-572	PHI-PKG5-24	Commercial Air Purification System	24	5"	1	**685.00**
L82-573	PHI-PKG9-24	Commercial Air Purification System	24	9"	1	**749.00**
L51-084	PHIC-5PKG	PHI-PKG-5 replacement cell	24	5"	0.1	**299.00**
L51-085	PHIC-9PKG	PHI-PKG-9 replacement cell	24	9"	0.1	**299.00**
L51-086	PHIC-14PKG	PHI-PKG-14 replacement cell	24	14"	0.1	**389.00**
L82-577	CUV-PPS-KIT	PKG-Rack™ Systems	—	—	—	**1399.00**

Rapid Recovery Unit® Air Purification and Odor Control Systems

RGF ENVIRONMENTAL GROUP INC.

- RGF's Rapid Recovery Unit® (RRU) resolves malodor issues and can be used to rapidly and effectively treat many problem areas during daily maintenance and housekeeping operations within occupied spaces
- Cleans, disinfects and deodorizes guest rooms and suites, common areas, meeting and function rooms, and to clean vents and ducting after regular duct cleaning



A



B

Fig.	Order #	Mfg. #	Description	Volts	Wt. Lbs.	Each
A	**L82-580**	RRU-16	Air Purification and Odor Control System	110	12	**2845.00**
B	**L82-581**	RRU-16-DS	Air Purification and Odor Control System with duct sanitizer	110	14	**2999.00**

Ice Machine UV Purifier

FRESHAIRE UV The Indoor Air Quality Expert

- Inhibits mold growth and sterilizes pathogens in ice machines
- Reduces the need for expensive maintenance and cleaning with chemicals
- Comes with one or two 8" 2-year UV lamp(s) and a 120-277 VAC power supply
- Can be mounted on the lid between evaporator and deflector or mounted over the ice collection bin



Order #	Mfg. #	Description	Each
L82-118	TUV-ICE-ST	Single Lamp	**575.00**
L82-119	TUV-ICE-DT	Double Lamp	**929.00**

IMSB Ice Machine Treatment System

- For use in commercial ice machines to eliminate microbial growth that can cause biofilm or slime buildup



A



B

Fig.	Order #	Mfg. #	Description	Volts	Lamp Length	Wt. Lbs.	Each
A	**L82-584**	IMS-B-GA	Ice Machine Treatment System	110	—	10	**1245.00**
B	**L51-096**	PHIC-9A	IMSB-GA replacement cell	110	5"	0.1	**299.00**

Whole-House Fan Powered Humidifiers ◀ NEW

720 Series



- Hybrid Fan - maximize even distribution of air across the panel
- Recirculation Valve - maximizes panel saturation while reducing wastewater
- Easily install fan on left or right
- One piece HydroCore means quick and efficient annual maintenance

Order #	Mfg. #	Description	Volts	Output	Humidistat	Width	Height	Depth
B88-145 ◀	720A	Whole-House Fan Powered Humidifier with Automatic Control	120	21	Automatic	16.5"	18"	10.5"
B88-146 ◀	720M	Whole-House Fan Powered Humidifier with Manual Control	120	21	Manual	16.5"	18"	10.5"

HydroCore™ Model L Water Panel Replacement Assembly ◀ NEW



- Maintenance-free strainer
- One piece disposable water panel
- Utilizes 100% pre-consumer recycled materials

Order #	Mfg. #	Description
B88-144 ◀	HYDROL	HyrdoCore™ Model L Water Panel Replacement Assembly

Bypass Humidifiers



- Furnace blower moves air through water panel where humidity is generated
- Installs on supply or return plenum
- Includes built-in bypass damper
- Plenum opening dimensions: 10" W x 12-3/4" H on **B84-262**,**B85-646**, **B84-265** and **B84-266**; 9-1/2" W x 9-1/2" H on **B84-263** and **B84-264**
- **B84-262**, **B84-263** and **B84-265** utilize an outdoor sensor and automatic digital humidity control (convertible to manual mode) that displays humidifier status
- **B84-262** and **B85-646** feature evaporative technology that uses 100% of the water; perfect for homes with septic systems or where a floor drain is not available
- **B84-263** and **B84-264** are economy units designed for smaller homes
- Output in gallons/day

Order #	Mfg. #	Description	Volts	Output	Humidistat	Width	Height	Depth
B84-262	400	Automatic	24	16.8	Aprilare Model 60 (Blue/Gray), Aprilaire Model 56 (Almond)	15-3/8"	15-3/4"	10-1/4"
B85-646	400M	Manual	24	16.8	Aprilaire Model 4655	15-3/8"	15-3/4"	10-1/4"
B84-263	500	Automatic	24	12.0	Aprilare Model 60 (Blue/Gray), Aprilaire Model 56 (Almond)	15-3/8"	13"	10-1/4"
B84-264	500M	Manual	24	12.0	Aprilaire Model 4655	15-3/8"	13"	10-1/4"
B84-265	600	Automatic	24	16.8	Aprilare Model 60 (Blue/Gray), Aprilaire Model 56 (Almond)	15-3/8"	15-3/4"	10-1/4"
B84-266	600M	Manual	24	16.8	Aprilaire Model 4655	15-3/8"	15-3/4"	10-1/4"

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Replacement Water Panels

- Heavy-duty aluminum mesh frame holds shape over life of water panels
- Water is vaporized as air warmed by furnace passes over water panels
- Humidified air is carrried through house by air ducts
- Replace annually



Order #	Mfg. #	Description	For Use With	Each
B82-280	12	Water Panel	112, 224, 225, 440, 445, 448	**36.99**
B82-279	10	Water Panel	500, 500A, 500M	**20.49**
B82-282	35	Water Panel	350, 360, 600, 700, 600A, 700A, 600M, 700M	**27.49**
B82-398	45	Water Panel (2-Pk.)	400, 400A	**75.00**

Replacment Solenoid Valves for Aprilaire Humidifiers



Order #	Mfg. #	Description	For Use With	Each
B14-628	4005	Solenoid Valve	110, 112	**279.00**
B14-314	4040	Solenoid Valve	400, 500, 600, 400A, 500A, 600A, 500M, 600M and on models manufactured before June 2019 for the 700, 700A and 700M	**165.00**
B14-315	4191	Solenoid Valve	350, 360	**265.00**

Replacement Parts for AprilAire Humidifiers



A



B


C

Fig.	Order #	Mfg. #	Description	For Use With	Each
A	**B14-310**	56	Humidifier Control	400, 500, 600, 700	**265.00**
B	**B16-869**	60	Digital Humidifier Control	400A, 500A, 600A, 700A	**295.00**
—	**B14-311**	4001	Saddle Valve	350, 360, 400, 500, 600, 700, 400A, 500A, 600A, 700A, 500M, 600M, 700M	**37.49**
—	**B14-312**	4004	Inline Strainer	350, 360, 400, 500, 600, 700, 400A, 500A, 600A, 700A, 500M, 600M, 700M	**15.49**
C	**B14-313**	4010	Transformer	400, 500, 600, 400, 400A, 500A, 600A, 700A, 500M, 600M, 700M	**69.00**
—	**B17-789**	4079	Feed Tube Nozzle	350, 360	**33.49**
—	**B82-517**	4181	Scale Control Insert	350, 360	**69.00**
—	**B14-638**	4184	Nozzle	350, 360, 500	**24.99**
—	**B14-316**	4223	Drain Spud 1/2"	500, 600, 500A, 600A, 500M, 600M	**11.99**
—	**B14-317**	4231	Orifice	400, 500, 600, 400A, 500A, 600A, 500M, 600M, 700M	**8.55**
—	**B14-640**	4232	Orifice	700, 700A, 700M	**7.85**
—	**B14-641**	4235	Feed Tube Nozzle	700, 700A, 700M	**30.99**
—	**B82-283**	4236	Scale Control Insert	700, 700A, 700M	**30.99**
—	**B14-318**	4237	Motor	700	**319.00**
—	**B14-319**	4238	Circuit Board	760	**235.00**
—	**B14-321**	4240	Male Disconnect Assembly	700	**79.00**
—	**B14-322**	4246	Distribution Tray	700, 700A, 700M	**45.49**
—	**B17-792**	4247	Fan Blade	700, 700M, 760, 760A, 768	**89.00**
—	**B17-793**	4258	120V Control	350, 360	**239.00**
—	**B82-284**	4330	Scale Control Insert	600, 600A, 600M	**34.49**
—	**B14-324**	4331	Distribution Tray	500, 600, 500A, 600A, 500M, 600M	**45.49**
—	**B17-796**	4332	Damper Assembly	400, 400M, 500, 600	**69.00**
—	**B17-797**	4335	Feed Tube	400, 400M, 500, 600	**22.99**
—	**B85-853**	4403	Scale Control Insert	400, 400M, 500, 601	**37.99**
—	**B17-798**	4406	Float Assembly	400, 400M	**34.49**
—	**B17-799**	4410	Water Level Sensor	400, 400M	**79.00**
—	**B16-870**	4655	Manual Humidistat	500M, 600M, 700M	**105.00**
—	**B16-871**	4740	Relay	700A, 700M	**59.00**
—	**B17-362**	4851	Blower Activation Relay	500A, 600A & 700A	**99.00**

Honeywell Home

TrueEASE™ Evaporative Humidification Systems



- Interchangeable bypass eliminates the need to disassemble and rebuild a humidifier if the bypass direction needs to change
- User-friendly pad replacement is accessible from the front and either side of TrueEASE™ Bypass models, and the easy, slide-out design means there's no disassembly
- Advanced models include a timer-based solenoid which wets the pad only as needed, reducing water waste by 30-50%
- H6062A1000 HumidiPRO™ Digital Control with Window Protection
- Output in gallons/day

Order #	Mfg. #	Description	Volts	Output	Width	Height	Depth
B85-855	HE100A1000/U	Small Bypass Basic	24	12	19-3/4"	13-3/4"	23"
B85-856	HE150A1005	Small Bypass Advanced	24	12	19-3/4"	13-3/4"	23"
B85-857	HE200A1000/U	Large Bypass Basic	24	17	19-3/4"	13-3/4"	26-3/4"
B85-858	HE250A1005/U	Large Bypass Advanced	24	17	19-3/4"	13-3/4"	26-3/4"
B85-859	HE300A1005/U	Fan-powered	120	18	19-3/4"	17-1/4"	23"

Honeywell Home

Whole-Home Bypass Humidifiers



- Functional Design fits existing evaporative humidifier space for quick and easy installation
- Application Flexibility-easily change bypass direction
- Simple Installation- includes transformer, drain line, and control
- Voltage: 24V, 60Hz
- 6" bypass collar, dual side mounting
- Humidistat (H8908ASPST) included
- Ambient temperature: 160°F
- Output in Gallons/Day

Order #	Mfg. #	Description	Volts	Output	Width	Height	Depth
B86-258	HE105A1000	Standard Small Bypass	24	12	16-3/4"	9-1/2"	15-1/4"
B86-259	HE205A1000	Standard Large Bypass	24	18	17-1/4"	9-3/4"	18-1/2"

Honeywell Home

Fan-powered Flow-through Humidifier



- Fan-powered flow-through humidifiers work best with variable speed, multistage furnaces, which reduce airflow during extended runtimes when only the first stage of heat is operational
- The internal fan acts as a booster to the furnace blower during reduced airflow cycles

Order #	Mfg. #	Each
B87-532	HE365A1000/U	**885.00**

Honeywell Home

Electrode Steam Humidifier



- Includes HumidPRO™ digital humidity control and also works with Honeywell VisionPRO® 8000, Prestige® IAQ and Lyric™ thermostats to maximize flexibility to integrate to any system
- Duct-Mountable steam humidifier enables replacement and new installation opportunities
- Easy access wiring for rapid installation
- Pre-salted canister and advanced system logic for optimized humidifier performance
- 5 year warranty

Order #	Mfg. #	Description	Volts	Output	Each
B87-080	HM750A1000	Electrode Steam Humidifier	120/240	11 GPD at 120V; 22 GPD at 240V	**2445.00**

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Humidifier Pads

Honeywell Home

- Replacement for Honeywell Home and AprilAire models



Order #	Mfg. #	Description	For Use With	Each
B82-013	HC22A1007	Humidifier Pad	Honeywell HE100, HE150, HE220, and HE225, Aprilaire Models 110, 220, 550, 558	**25.49**
B82-014	HC26A1008	Humidifier Pad	Honeywell HE200, HE250, HE260, HE265, HE300, HE360, HE365, Aprilaire 350, 360, 560, 568, 600, 700, 760, 768	**35.99**
B14-994	HC22E1003	Universal Small Bypass Replacement Pad with AgION Coating	Honeywell HE220, HE225, Aprilaire Models 110, 220, 550, 558	**59.00**
B14-995	HC26E1004	Universal Large Bypass and Fan Replacement Pad with AgION	Honeywell HE260, HE265, HE360, HE365, Aprilaire 350, 360, 560, 568, 600, 700, 760, 769	**59.00**
B14-859	32001621-001	Humidifier Pad Frame	HE220 & HE225	**105.00**
B14-861	32001632-001	Humidifier Pad Frame	HE260, HE265, HE360 & HE365	**115.00**

Replacement Parts for Honeywell Humidifiers

Honeywell Home



Order #	Mfg. #	Description	For Use With	Each
B13-404	32001676-001	Printed Wiring Board Assembly	HE360 & HE365	**369.00**
B13-405	32001615-001	Drain Fitting	HE220, HE225, HE260, HE265, HE360 & HE365	**79.00**
B13-406	32001639-002	Solenoid Valve Assembly with Water Tube	HE220, HE225, HE260 & HE265	**349.00**
B13-408	32001876-001	Solenoid Valve Assembly	HE360 & HE365	**405.00**
B22-297	32001752-001/U	Hardware Kit for Solenoid Assembly	HE220, HE225, HE260, HE265, HE360, HE365	**99.00**
L46-985	H6062A1000	HumidiPRO™ Digital Humidity Control	Whole Home Humidifiers or Dehumidifiers	**245.00**
B14-860	32001630-001	PerfectFlo™ Water Distribution Tray	HE260, HE265, HE360 & HE365	**149.00**
B18-533	50041883-002	AC Solenoid Valve	HE100, HE200	**215.00**
B18-534	50041883-001	DC Solenoid Valve	HE150, HE250, HE300	**185.00**
B18-536	50041890-002	Large Bypass Duct With Automatic Damper	HE250	**179.00**
B18-537	50057547-002	HE150 Circuit Board	HE150	**175.00**
B18-538	50057547-003	HE250 Circuit Board	HE250	**175.00**

Legacy Series Humidifiers

GENERALAire

- All models include MHX3C manual control
- **B81-212** and **B82-232** are 100% evaporative bypass models with manual damper
- **B81-356** is a powered fan model for use on warm air plenum
- Output in gallons/day



A



B



C

Fig.	Order #	Mfg. #	Description	Volts	Output	Humidistat	Width	Height	Depth
A	**B81-212**	1042-LH	Bypass Humidifier	24	17	Yes	15"	11-1/2"	9"
B	**B82-232**	1099-LHS	Bypass Humidifier	24	23.1	Yes	16"	16"	11"
C	**B81-356**	1137	Powered Humidifier	115	21.3	Yes	16"	14"	10"

GENERALAire

Manual and Auto Humidifiers



A B

- Low profile cover ensures heated air goes directly through the Vapor Pad® at its warmest point
- Distributor ensures even water saturation over the entire Vapor Pad® for maximum humidity output
- Frame profile is thinner, exposing more of the saturated Vapor Pad® for maximum humidity output
- Easy snap stable cover allows for quick access to Vapor Pad
- Stainless steel disributor tube allows for either cold or hot water supply
- Left or right bypass installation options
- Left or right solenoid valve installation option
- MHX3 manual control or GRX3 digital automatic humidistat is included
- Output in Gallons/Day

Fig.	Order #	Mfg. #	Description	Volts	Output	Humidistat	Each
A	**B87-658**	3200M	3200M MANUAL HUMIDIFIER	24	12	MHX3C	**325.00**
A	**B87-659**	3200A	3200A AUTO HUMIDIFIER	24	12	GFX4	**405.00**
B	**B87-660**	4200M	4200M MANUAL HUMIDIFIER	24	17	MHX3C	**355.00**
B	**B87-661**	4200A	4200A AUTO HUMIDIFIER	24	17	GFX4	**465.00**

GENERALAire

Accessories for GeneralAire Humidifiers



Order #	Mfg. #	Description	For Use With	Each
B11-839	81-15	Drum Sleeve	B81-266	**55.00**
B11-816	990-13	Vapor Pad	B81-212, B81-356	**49.99**
B14-268	1099-20	Vapor Pad	B82-232	**75.00**
B17-389	GA570	Vapor Pad	B85-648 & B85-649	**31.99**
B15-327	GA900	Vapor Pad	B82-718, B82-720 & B85-650	**36.49**
B15-328	GA23	Vapor Pad	B82-719 & B82-232	**38.99**
B15-329	65-5	Evaporator Sleeve	B82-721	**75.00**
B15-330	880	Evaporator Plates (5-pack)	B82-722	**31.49**
B15-331	727-12	Evaporator Sleeve	B82-723	**55.00**

Order #	Mfg. #	Description	For Use With	Each
B11-852	990-52	Solenoid Valve, 120V	Old 120V Legacy Humidifiers	**315.00**
B11-853	990-53	Solenoid Valve, 24V	B81-212	**189.00**
B18-106	1099-42	Solenoid Valve, 24V	B82-232	**189.00**
B15-332	16-20	Solenoid Valve, 24V	B82-156 and B82-441	**155.00**
B17-390	GA4040	Solenoid Valve	B85-648, B85-650, B82-718 & B85-650	**165.00**
B17-391	GA4045	Solenoid Valve	B82-720 & B85-651	**195.00**
B15-333	727-40	Motor	B81-266 and B82-721	**115.00**
B14-269	81-21	Float Valve Assembly	B81-266	**85.00**
R56-656	GCV3412	Shut-off Valve	—	**28.99**

AprilAire

Steam Humidifiers



A B

- Electrode technology — proven more effective to generate steam; requires no cleaning
- Easy installation — remote or duct mount applications with no additional accessories
- Easy to maintain — simply remove canister and replace
- Dispersion technology prevents condensation in the duct
- Drain water flushes with fresh inlet water
- Can be used with any condensate pump
- Water filtration never required
- Includes: control; 6' commercial grade steam hose; 10' drain hose and dispersion tube
- **B87-229** will not work with water that has been artificially softened with a water softener

Fig.	Order #	Mfg. #	Description	Volts	Output	Humidistat	Width	Height	Depth
A	**B85-854**	800	Steam Humidifier Connects to a Forced Air HVAC System	120	11.5 GPD @ 120V; 20.5 GPD @ 208V; 23.3 or 34.6 GPD @ 240V	Aprilaire Model 62	7-1/8"	20-7/8"	10-1/8"
A	**B87-229**	800LC	Steam Humidifier for Low-Conductive water	120	11.5 GPD @ 120V; 20.5 GPD @ 208V; 23.3 or 34.6 GPD @ 240V	Aprilaire Model 62	7-1/8"	20-7/8"	10-1/8"
B	**B86-190**	865	Ductless Steam Humidification Package for Homes without Ductwork or the Ductwork is Inaccessible	120	11.5 GPD @ 120V; 20.5 GPD @ 208V; 23.3 or 34.6 GPD @ 240V	Aprilaire Model 65	7-1/8"	20-7/8"	10-1/8"

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Accessories for Steam Humidifiers

NEW

AprilAire


A


B

Fig.	Order #	Mfg. #	Description	For Use With	Each
A	**B17-804**	80	Replacement Canister	800	**225.00**
A	**B21-159**	80LC	Replacement Canister- Low Conductivity	800LC	**235.00**
B	**B22-845** ◀	4978	Electrode Wires 2pk	800, 801, 865, and 866	**65.00**

Replacement Parts for HM750 Honeywell Electrode Humidifier

Honeywell Home

Fig.	Order #	Mfg. #	Description	Each
A	**B20-896**	HM750AHOSEKIT/U	15' Steam Hose for HM750	**529.00**
B	**B20-892**	HM750ACYL/U	Replacement Canister	**239.00**
D	**B20-893**	HM750ANKIT/U	Nozzle Kit	**239.00**
C	**B20-894**	HM750AVKIT/U	Valve Kit	**469.00**
E	**B20-895**	HM750APCB/U	Replacement RP Board	**1245.00**

Accessories for Elite Steam Humidifiers

GENERALAire



Order #	Mfg. #	Description	For Use With
B82-713	RMB35	DS25 Remote Blower Kit	B82-709
B82-714	RMB15	DS15P Remote Blower Kit	B82-710

Replacement Parts for Elite Steam Humidifiers

GENERALAire



Order #	Mfg. #	Description	For Use With	Each
B15-323	15-14	DS15/RS15 Replacement Cylinder	B82-710 & B82-712	**395.00**
B15-324	35-14	DS35, DS25/RS35, RS25 Replacement Cylinder	B82-709 & B82-711	**395.00**
B18-104	35-15	DS25LC Replacement Cylinder	B85-910	**395.00**
B18-105	50-15	DS50LC Replacement Cylinder	B72-516	**635.00**
B15-325	20-14	DS20/RS20 Replacement Cylinder	—	**385.00**
B15-326	HC201	High Limit Humidistat	B82-709, B82-710, B82-711 & B82-712	**869.00**
B82-716	DP030D22RVO	12" Stainless Steel Manifold	B82-709, B82-710, B82-711 & B82-712	**475.00**
B82-717	DP045D22RVO	17-1/2" Stainless Steel Manifold	B82-709, B82-710, B82-711 & B82-712	**385.00**

Self-Contained Humidifier

AprilAire

- Completely self-contained units primarily designed for homes with radiators or baseboard heat
- Manual humidistat included
- Sized to fit closets, heated crawl spaces and basements
- Output in gallons/day



Order #	Mfg. #	Description	Volts	Output	Humidistat	Width	Height	Depth
B87-743	300	Aprilaire Self-Contained Evaporative Humidifier	120	13	Aprilaire Model 65	14 3/8"	12 1/2"	22 3/32"

AprilAire

Current Sensing Relays



- Interfaces most types of humidifier or electronic air cleaners with forced air HVAC equipment
- Quick and easy to install, attaches without breaking circuit or cutting wire to common lead of blower motor

Order #	Mfg. #	Description	Range	Output	Volts	Application	Each
B12-020	50	24V Current Sensing Relay	21-24 VAC	24 VAC	24	Humidifiers	**115.00**
B12-021	51	120V Current Sensing Relay	100-125 VAC	120 VAC	120	Electronic Air Cleaners	**145.00**

ESP ENERGY SAVING PRODUCTS

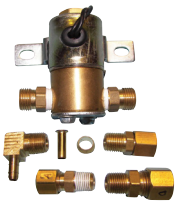
Other Replacement Humidifier Pads

Order #	Mfg. #	Description	Replaces	Each
B12-142	A10PR	9-7/8" x 9-7/8" x 1-7/8"	Aprilaire Models 110, 120, 550	**25.49**
B12-143	A12W-PDQ	14-7/8" x 11-3/8" x 1-7/8"	Aprilaire Models 112, 136, 224, 440, 445	**65.00**
B12-144	A35PR	10" x 13" x 1-1/2"	Aprilaire Model 350, 360, 560, 760	**31.99**

ESP ENERGY SAVING PRODUCTS

UNIVERSAL PARTS

Universal Humidifier Solenoids



- Flow can easily be reversed by removing two screws and turning the solenoid 180 degrees
- **B17-395** and **B17-396** replace 32 different OEM solenoids in the field
- **B21-079** replaces 99% of OEM solenoids

Order #	Mfg. #	Description	Each
B17-395	UHS24	Universal Humidifier Solenoid 24V Kit with Multiple Fittings	**109.00**
B17-396	UHS120	Universal Humidifier Solenoid 120V Kit with Multiple Fittings	**135.00**
B21-079	UHS99	Universal Humidifier Solenoid 24V	**59.00**

JMF

EZ-ADD-A-VALVES



A



B

- Ideal for humidifier and evaporative cooler installations
- Full-slip compression or sweat styles
- 1/4" OD compression on shut-off valve
- Lead free

Fig.	Order #	Trunk Size	Each
A	**R57-447**	1/2" FSWT	**35.49**
A	**R57-448**	3/4" FSWT	**37.49**
B	**R57-449**	5/8" OD Compression	**55.00**
B	**R57-450**	7/8" OD Compression	**89.00**

Webstone VALVE INNOVATION

Pro-Pal T-Valve OD Compression Valves and Press Run ◀NEW



- Full port forged DZR brass ball valve, with integrated tee fitting, adjustable packing gland, & reversible handle
- Ideal for branch connections and shut-offs in tight locations
- Replaces 3 components
- Eliminates 2 leak paths

Order #	Mfg. #	Model #	Conn. Size	Ball/Stem Material
R59-779 ◀	H-80670W-T12	H-x267	1/4"x1.2"	Brass
R59-780 ◀	H-80670W-T34	H-x267	1/4"x3/4"	Brass
R59-781 ◀	H-80671W-T12	H-x267	3/8"x1/2"	Brass
R59-782 ◀	H-80671W-T34	H-x267	3/8"x3/4"	Brass

Honeywell Home

TrueDRY™ Dehumidifiers



A



B

- For whole house dehumidification
- Centrally ducted or used as a standalone solution (unducted)
- Compact with reversible output ducts to help fit the unit up against tight spaces
- MERV 11 media filtration improves performance life, efficiency and indoor air quality
- Energy Star® rated
- 110-120V
- Capacity in pints/day
- Operates with R-410A refrigerant

ENERGY STAR

Fig.	Order #	Mfg. #	Description	Capacity	Width	Height	Depth	Each
A	**B60-249**	DR65A3000/U	For 2-3 ton systems: Home size- approx. 1,800 sq. feet	65	12"	12"	28"	**3445.00**
B	**B60-250**	DR90A3000/U	For 3-4 ton systems; Home size – approx. 2,800 sq. feet	90	14.3"	19.3"	32.2"	**4645.00**
B	**B60-251**	DR120A3000/U	For 4-5 ton systems: Home size - 3,600 sq. feet	120	14.3"	19.3"	32.2"	**5999.00**
—	**B72-832**	50049537-005	Repl. filter for DR65	—	—	—	—	**55.00**

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E-Series Dehumidifiers

- For basements, garages, crawlspaces, or whole-home dehumidification
- Built in digital control with top or side mounting options
- Plug in or hard-wired options
- Volts: 120
- 5-year warranty
- Capacity in Pints/Day



Order #	Mfg. #	Description	Capacity	Width	Height	Amps	Wt. Lbs.	Each
B64-431	E070	Dehumidifier, Crawlspace Unit	70	13"	13"	5.8	—	**2945.00**
B64-432	E080	Dehumidifier	80	14"	15"	5.1	—	**3199.00**
B64-437	E080H	Hard Wired Dehumidifier	80	14"	15"	5.1	—	**3199.00**
B64-438	E100	Dehumidifier	100	14"	15"	6.9	—	**3699.00**
B64-439	E100V	Dehumidifier, for Ventilation	100	14"	15"	6.9	—	**3699.00**
B64-440	E100C	Dehumidifier on Casters	100	14"	15"	6.9	—	**3699.00**
B64-441	E100H	Hard Wired Dehumidifier	100	14"	15"	6.9	—	**3699.00**
B87-672	E130	Dehumidifier	130	19.5"	18.75"	8.3	98	**4845.00**
B64-442	E130C	Dehumidifier on Casters	130	19.5"	18.75"	8.3	—	**4845.00**
B64-443	E130H	Hard Wired Dehumidifier	130	19.5"	18.75"	8.3	—	**4845.00**
B87-673	8190FF	Ventilator for Dehumidifier	—	20"	19"	—	—	**629.00**

Portable Dehumidifiers

- Automatic defrost function
- Adjustable humidity control
- Slide-out, washable filter for easy cleaning
- Full bucket light and automatic shutoff
- Removable front-loading bucket and optional direct hose drain
- Four easy-glide casters
- All models are Energy Star rated with low temperature operation of 41°F
- Capacity in pints/day



A



B

Fig.	Order #	Mfg. #	Description	Capacity	Width	Height	Depth	Volts	Watts	Amps	Wt. Lbs.
A	**B64-338**	BHD-22A	Portable Dehumidifier	22	10.24"	19.69"	15.2"	115	250	2.2	33.1
A	**B64-339**	BHD-35A	Portable Dehumidifier	35	11.1"	24.25"	15.43"	115	360	3.25	40.6
A	**B64-340**	BHD-50A	Portable Dehumidifier	50	11.1"	24.25"	15.43"	—	515	4.8	42.1
B	**B64-341**	BHDP-50A	Portable Dehumidifier	50	11.1"	24.25"	15.43"	115	515	4.8	42.8
B	**B64-346**	BHDP-60A	Portable Dehumidifier	60	14.17"	24.61"	18.78"	115	420	4.1	58.2

Cube Portable Dehumidifiers

- Casters for easy portability
- Smartphone compatible
- 24 hour timer
- Auto restart
- Electronic controls
- Automatic Water Level Shut-Off
- Energy Star® certified
- Low temperature operation
- Capacity in pints



Order #	Mfg. #	Description	Capacity	Width	Height	Depth	Volts	Watts	Amps	Wt. Lbs.
B65-275	BCD-20A	Portable Dehumidifier	20.04	13.5"	13.39"	13.5"	115	230	2.1	33.3
B65-276	BCD-35A	Portable Dehumidifier	35.08	14.76"	14.57"	14.45"	115	345	3.1	41.1
B65-277	BCD-50A	Portable Dehumidifier	49.58	14.76"	14.57"	14.45"	115	480	4.4	41.7
B65-278	BCDP-50A	Portable Dehumidifier	49.58	14.76"	14.57"	14.45"	115	480	4.4	43

resideo

CO Detectors

- Hardwired, plug-in, and sealed battery powered CO detectors
- 5, 7, or 10 year limited warranties, see description for details

Warning: This product contains lithium batteries and cannot be shipped by air


A


B


C


D


E


F


G

Hazardous Material Shipping Alert

Fig.	Order #	Mfg. #	Description	Each
A	**G38-383**	CO605B	Plug-in CO alarm with replaceable battery backup and silence feature	**75.00**
B	**G38-384**	CO250B	Battery powered CO Alarm with replaceable 9V battery and silence feature	**59.00**
C	**G38-385**	1039753	No-Install CO Alarm with 10-Year sealed lithium battery and a backlit digital display	**109.00**
D	**G38-394**	CO400B	Battery powered CO Alarm with replaceable battery and silence feature	**55.00**
E	**G38-395**	1039746	Plug-in CO alarm with replaceable battery backup and digital display and silence feature	**109.00**
F	**G38-396**	1039727	Battery powered CO alarm with 2 replaceable AA alkaline batteries. Digital display shows current and peak CO levels; includes a silence feature.	**89.00**
G	**G38-397**	1039718	Battery powered CO Alarm with replaceable battery and Silence feature	**55.00**

resideo

Combination CO and Smoke Alarms

- Battery powered or hard-wired options
- 10-year CO sensor, alarm, and battery life
- Uses photoelectric smoke sensor and electrochemical carbon monoxide sensor
- Includes a silence feature
- 10-year limited warranty

Warning: This product contains lithium batteries and cannot be shipped by air


A


B

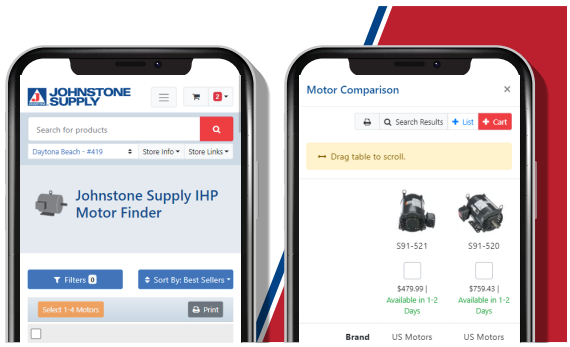
Hazardous Material Shipping Alert

Fig.	Order #	Mfg. #	Description	Each
A	**G38-386**	PRC710B	Battery powered combo smoke & CO alarm with 10-Year sealed 3V lithium battery and silence feature	**125.00**
B	**G38-387**	SC9120LBL	Hardwired combo Ionization smoke & CO alarm with 10-Year sealed lithium battery backup	**135.00**

MOTOR FINDER

Find the Right Commercial IHP Motor and Save Time

JohnstoneSupply.com/Motor-Finder-Info
Must be logged into JohnstoneSupply.com to access



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Ionization and Photoelectric Smoke Alarms

NEW

resideo

- Battery powered or hard-wired options
- Conforms to UL 217 standard
- 10-year limited warranty

Warning: This product contains lithium batteries and cannot be shipped by air



A


B


C


D

Fig.	Order #	Mfg. #	Description	Each
A	**G38-389**	SA350B	Ionization battery powered smoke alarm with 10-year alarm life and 10-year sealed lithium battery	**65.00**
B	**G38-390**	PR710B	Photoelectric battery powered smoke alarm with 10-Year sealed battery	**79.00**
C	**G38-391**	9120B	Ionization hardwired smoke alarm with replaceable battery backup. Interconnectable with most First Alert and BRK branded Smoke, CO, and Heat Alarms.	**32.99**
D	**G38-536** ◀	1046741	Photoelectric battery powered smoke alarm with 10-year alarm life and 10-year sealed lithium battery	**79.00**
F	**G38-393**	9120LBL	Ionization hardwired smoke alarm with 10-Year sealed 9V lithium battery backup	**55.00**


F

Hazardous Material Shipping Alert

Relay Module for Connected Smoke and CO Detectors

resideo

- Relay Module for Smoke and "Smart Interconnect" CO Alarms
- Works with BRK and First Alert Smart interconnect models **G38-387**, **G38-391**, **G38-393**



Order #	Mfg. #	Description	Each
G38-388	RM4	Relay Module	**55.00**

Carbon Monoxide Detector with RealTest™ Technology

SYSTEM SENSOR

- RealTest™ Technology allows installer to test detector with CO gas
- Full compliance with UL 2075
- Code required trouble relay
- Wiring supervision with SEMS terminals
- Six-year end-of-life timer
- 12/24 VDC
- Current draw of 20mA in standby and 40mA in alarm
- Versatile mounting for wall and ceiling
- Electrochemical sensing technology



Order #	Mfg. #	Description	Each
G35-532	CO1224T	Carbon Monoxide Detector w/RealTest, 12 or 24 Volt	**225.00**

Google Nest Protect Smoke and CO Alarms

Nest Pro

- Nest Protect sends a message to everyone in the family when there's a problem or the batteries are low
- Nest Protect speaks up if there's smoke or carbon monoxide and tells where it is
- Every second counts – The foam and particle board in today's homes makes fires burn faster. Nest's Split-Spectrum Sensor looks for both fast-burning and slow-smoldering fires
- Nest Protect lights up as someone walk underneath it, to light the way at night
- Nest Protect tests its sensors and batteries over 400 times a day
- 10-year CO sensor lifetime

Warning: This product contains lithium batteries and cannot be shipped by air



Order #	Mfg. #	Description	Each
G36-827	S3004PWBUS	Battery	**345.00**
G36-831	S3005PWLUS	Line Volt	**345.00**

Hazardous Material Shipping Alert

Honeywell
Honeywell Analytics



E3Point Toxic and Combustible Gas Monitors

- Detects CO, NO2, O2, H2, H2S, CH4, C3H8
- Comes in standalone, standalone with remote (dual gas mode) or network versions
- Connects to analog or digital systems
- Connects to wired or wireless system (via 301CW wireless controller)
- Wall or duct mount, factory-calibrated cartridges
- Advanced electrochemical (for toxic gases) and catalytic bead (for combustible gases) sensor performance

Order #	Mfg. #	Description
G35-678	E3SA	Det. w/o Sensor 24V
G35-680	E3SAH	Det. w/o Sensor 120V
G35-685	E3SRMCO	Remote Sensor CO
G35-686	E3SRMNO2	Remote Sensor NO2
G35-687	E3SRMH2S	Remote Sensor H2S
G35-688	E3SRMH2	Remote Sensor H2
G35-689	E3SRMO2	Remote Sensor O2
G35-690	E3SRMM	Remote Sensor CH4
G35-691	E3SRMP	Remote Sensor C3H8

Order #	Mfg. #	Description
G35-693	E3DA	Duct Mount w/o Sensor
G35-694	E3SCO	Sensor Cartridge — CO
G35-695	E3NO2	Sensor Cartridge — NO2
G35-696	E3H2S	Sensor Cartridge — H2S
G35-697	E3H2	Sensor Cartridge — H2
G35-698	E302	Sensor Cartridge — O2
G35-699	E3M	Sensor Cartridge — CH4
G35-700	E3P	Sensor Cartridge — C3H8
G35-596	E3PT-CAGE	Wire Guard

SYSTEM SENSOR

Wall-Mount Horns and Strobes

SpectrAlert® Advance

- Intended for primary signaling use
- Universal mounting plate included
- Field selectable horn tones
- Automatic selection of 12 or 24V operation at 15 and 15/75 candela
- Meets ADA signaling requirements
- **G32-676** is weatherproof (NEMA 3R)
- **G32-675**, **G32-676** and **G32-679** have candela options of 15, 15/75, 30, 75, 95, 110 and 115



A



B



C

Fig.	Order #	Mfg. #	Volts	Description	Each
A	**G32-675**	P2RL	12/24	2-Wire Horn/Strobe	**179.00**
A	**G32-676**	P2RK	12/24	2-Wire Horn/Strobe — Outdoor Use	**245.00**

Fig.	Order #	Mfg. #	Volts	Description	Each
B	**G32-673**	HRL	12/24	Horn	**95.00**
C	**G32-679**	SRL	12/24	Strobe	**135.00**

SYSTEM SENSOR

Duct Smoke Detectors



A



B

- Patented interconnect feature for multi-fan shutdown
- Photoelectric low-flow technology allows operation in airflow speeds of 100 to 4,000 feet per minute
- Test/reset button allows testing with the cover on
- **G35-090** has a 2:1 sensor-to-power capability allows monitoring of two sensors and the ability to mount in square or rectangular configuration
- **G35-090** has a patented tool-free front or back install of sampling tube
- **G35-090** includes integral Low-Flow technology capable of air velocities from 100 to 4000 FPM, ideal for VAV and fire/smoke damper applications
- **G35-149** features a watertight NEMA 4 rating for protection against dirt, rain, windblown dust and slashing water — ideal for rooftop applications

Fig.	Order #	Mfg. #	Description	Each
A	**G35-090**	D4120	4-Wire Photoelectric Duct Smoke Detector	**375.00**
B	**G35-149**	D4120W	Watertight Duct Smoke Detector	**529.00**

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Accessories For System Sensor Duct Smoke Detectors


A


B


C



D


E



F


G

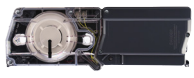

H

Fig.	Order #	Mfg. #	Description	Each
A	**G32-526**	APA151	Audible Signal Appliance w/Alarm and Power LED	**119.00**
B	**G32-419**	RTS151	Magnetic Remote Test Station w/Alarm LED	**135.00**
C	**G32-420**	RTS151KEY	Key-Activated Remote Test Station w/LED	**189.00**
D	**G35-518**	RTS2	Multi-Signaling Accessory	**295.00**
E	**G35-519**	AOS	Add-On Strobe	**145.00**

Fig.	Order #	Mfg. #	Description	Each
F	**G35-520**	RTS2-AOS	Multi-Signaling with Strobe	**439.00**
G	**G35-521**	RA100Z	Remote Annunciator, Alarm LED	**69.00**
H	**G80-608**	DST1	Metal Sampling Tube (Up to 1 ft.)	**25.49**
H	**G80-609**	DST1.5	Metal Sampling Tube (1 to 2 ft.)	**29.99**
H	**G95-118**	DST3	Metal Sampling Tube (2 to 4 ft.)	**37.99**
H	**G95-119**	DST5	Metal Sampling Tube (4 to 8 ft.)	**55.00**
H	**G95-120**	DST10	Metal Sampling Tube (8 to 12 ft.)	**105.00**

Duct Smoke Detector SD

- 4-wire photoelectric duct smoke detector
- Pivoting housing fits both square and rectangular footprints
- Mounts to round or rectangular ductwork
- Includes cover integrated smoke test port to make inspections quick and easy



Order #	Mfg. #	Volts	Electrical Conn.	Output	Each
G80-983	DUCTSD	24VAC/DC or 120VAC	Terminal Block	2 x Aux Contacts (10A @ 30 VDC) 1 x Alarm Contact (2.0A @ 30VDC)	**319.00**

Photoelectric Smoke Detectors

- Plug-in detector line, mounting base included
- Large wire entry port
- In-line terminals with SEMS screws
- Wide angle, dual color LED indication
- Loop testing via EZ Walk feature
- Drift compensation and smoothing algorithms
- Stop-Drop'N Lock™ attachment to the base



Order #	Mfg. #	Description	Each
G35-522	2W-B	2-Wire Photoelectric Smoke Detector	**129.00**
G35-523	2WT-B	2-Wire Photoelectric Smoke Detector w/Thermal	**139.00**

Smoke Detector Tester

- Tests both photoelectric and ionization alarms
- 200+ tests per can
- 2.5 oz.



Order #	Mfg. #	Description	Each
G32-697	SDT-25S	Smoke Detector Tester	**39.99**

DIVERSITECH



Smokeys

- For testing air ducts, smoke alarms, tanks, boilers and for visual balancing of heating, ventilating and air conditioning systems
- Cartridges produce clean, non-toxic, oil-free smoke through chemical reaction
- Burn time of 75 seconds produces 600 cu. ft. of smoke
- Comes in pack of ten

Order #	Mfg. #	Each
H24-733	14175	**85.00**

PartStock™

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What You Need, When You Need It

Now integrated with Johnstonesupply.com

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- **Lower Job Costs**
- **One Touch Shopping**
- **Easy Review & Approval**



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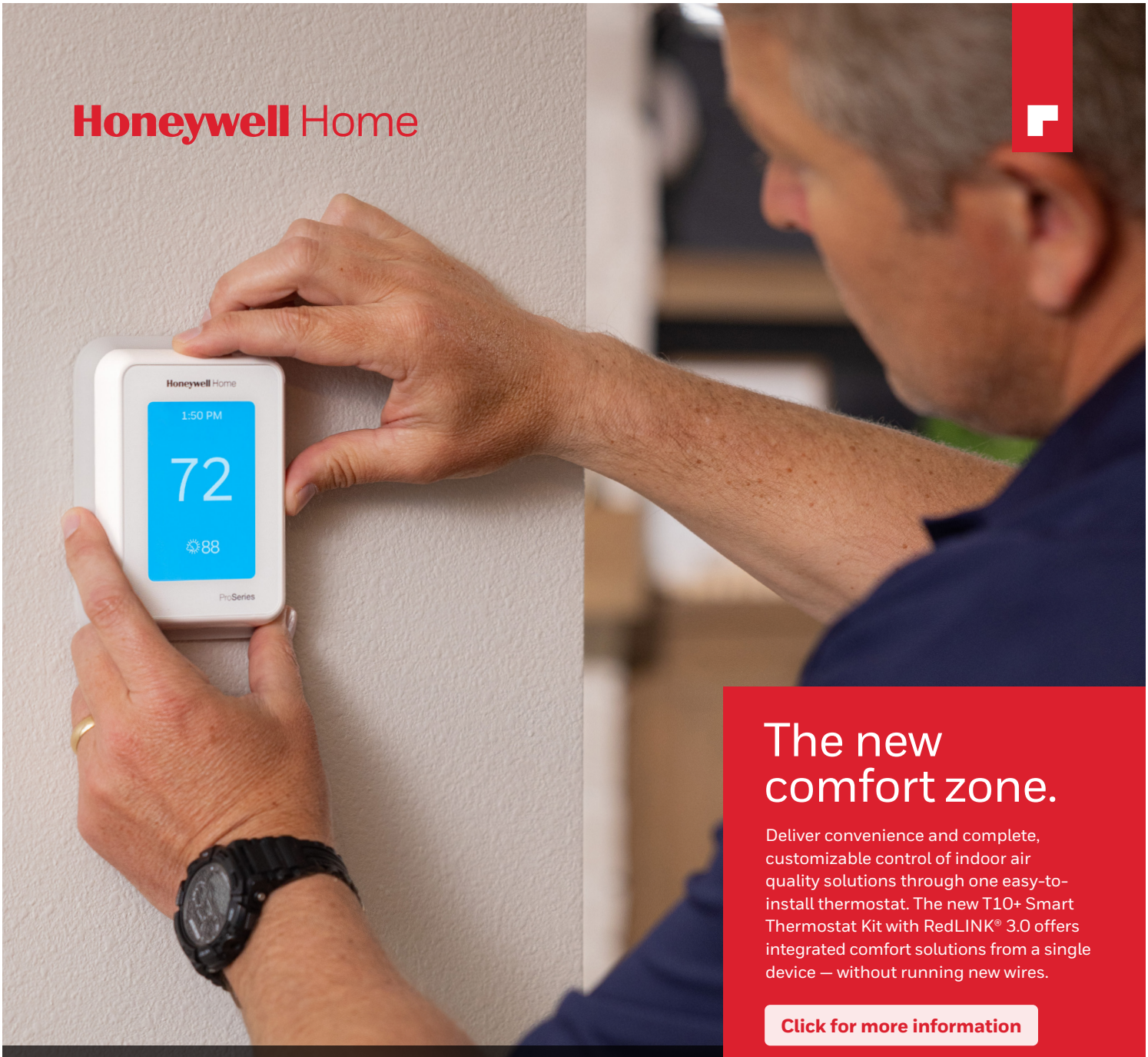
Honeywell Home



The new comfort zone.

Deliver convenience and complete, customizable control of indoor air quality solutions through one easy-to-install thermostat. The new T10+ Smart Thermostat Kit with RedLINK® 3.0 offers integrated comfort solutions from a single device — without running new wires.

Click for more information

Simple Setup

- On-thermostat configuration, sensor pairing and WiFi connection process help streamline setup
- Quickly register devices using QR codes

Deliver Convenience

- RedLINK 3.0 sensors feature a 200-ft. range from the thermostat to the sensor, which is greater than the advertised range of other sensors
- Homeowners can monitor and update comfort settings from the thermostat or Resideo app

Direct Connection

- Through the Resideo Pro app, you can enhance current services or enable additional services that may lead to increased revenue streams
- Pro-IQ™ Services allows you to improve reach with in-app branding, easily connect with customers in need and stay alert of potential HVAC issues before they become a problem

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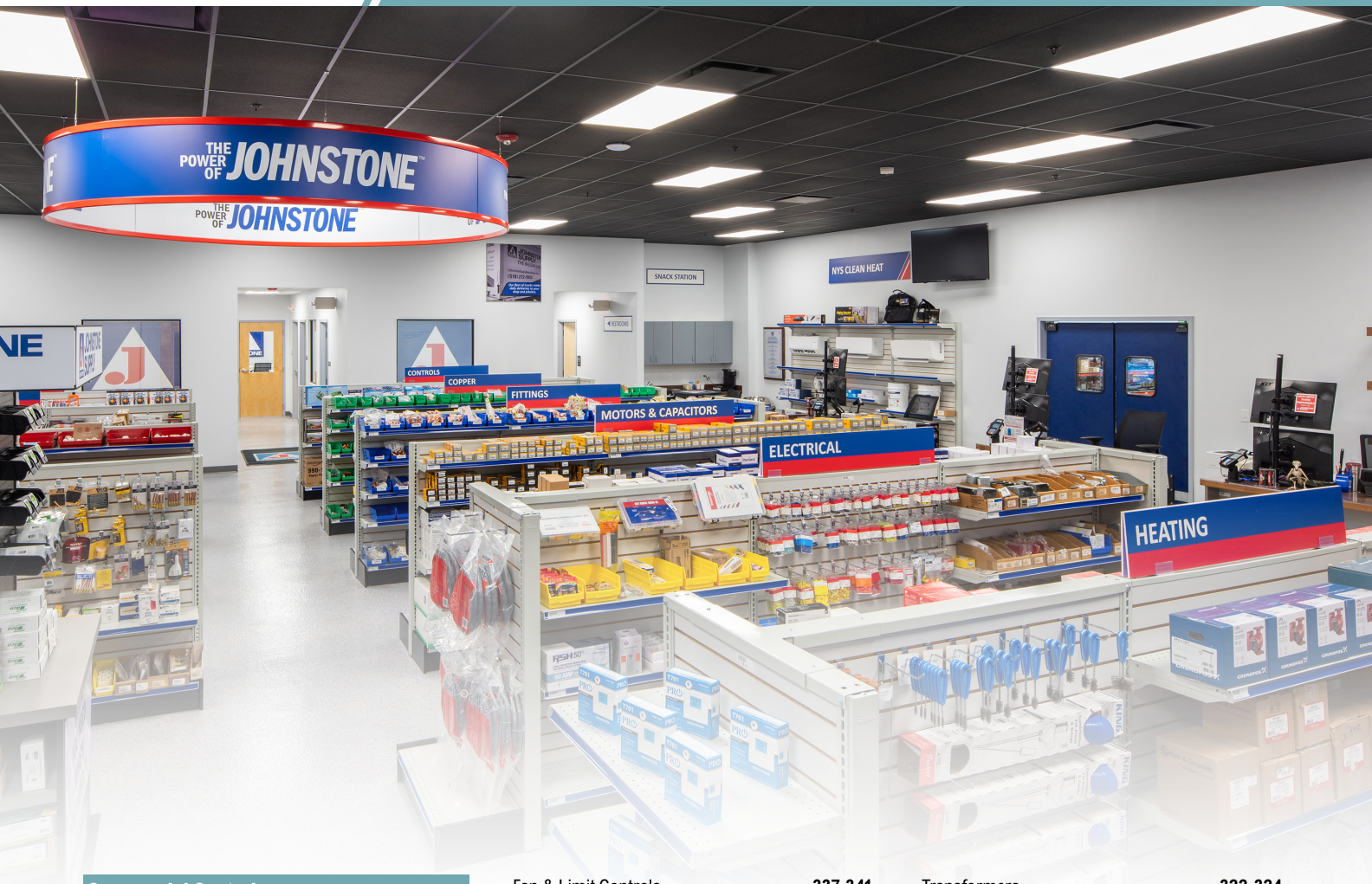

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THERMOSTATS
Electronic Programmable

Honeywell Home



A



B

T6 Pro Thermostats

- **L49-155** and **L49-156** are WI-FI Capable
- Available with optional ventilation control and dual fuel capabilities for residential new construction projects that need to meet the ASHRAE 62.2 standard
- Program a schedule or use location-based control with geofencing technology, uses smartphone location to save energy when away from home and make the home comfortable
- Large, clear backlit digital display

Fig.	Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Description	Each
A	**L49-155**	TH6320WF2003	Dual Fuel, 24VAC systems; Gas, Oil, Electric Warm Air; Hot water Coil; Gas, Oil, Electric Hydronic; or Steam / Gravity Systems	Up to 3/2 Heat Pump and 2/2 Conventional	Hardwired	RC, R, C, W, W2 - AUX, Y, Y2, O/B, G, K, E, U, U, L/A, S, S	White	T6 Pro Wi-Fi Thermostat	**469.00**
A	**L49-156**	TH6220WF2006	24VAC systems; Gas, Oil, Electric Warm Air; Hot water Coil; Gas, Oil, Electric Hydronic; or Steam / Gravity Systems	Up to 2/1 Heat Pump or 2/2 Conventional	Hardwired	RC, R, C, W, W2 - AUX, Y, Y2, O/B, G, K, E, L/A, S, S	White	T6 Pro Wi-Fi Thermostat	**349.00**
B	**L49-362**	TH6320U2008/U	24VAC systems; Gas, Oil, Electric Warm Air; Hot water Coil; Gas, Oil, Electric Hydronic; or Steam / Gravity Systems	Up to 3/2 Heat Pump or 2/2 conventional	Battery or Hardwired	RC, R, C, W, W2 - AUX, Y, Y2, O/B, G, K, E, L/A, S, S	White	T6 Pro Programmable Thermostat	**285.00**
B	**L49-157**	TH6220U2000	Standard Efficient Gas Forced Air, High Efficacy Gas Forced Air, Oil Forced Air, Electric Forced Air, Hot water Fan Coil, Geothermal Heat Pump, Air to Air Heat Pump, Hot Water Radiant Heat, Steam	Up to 2/1 Heat Pump or 2/2 Conventional	Battery or Hardwired	RC, R, C, W, W2 - AUX, Y, Y2, O/B, G, K, E, L/A, S, S	White	T6 Pro Programmable Thermostat	**255.00**
B	**L49-158**	TH6210U2001	Standard Efficient Gas Forced Air, High Efficacy Gas Forced Air, Oil Forced Air, Electric Forced Air, Hot water Fan Coil, Geothermal Heat Pump, Air to Air Heat	Up to 2/1 Heat Pump or 1/1 Conventional	Battery or Hardwired	RC, R, C, W, W2, O/B, Y, G, K, L/A, E	White	T6 Pro Programmable Thermostat	**199.00**
A	**L49-963**	TH6320ZW2003/U	Z-wave systems, 24VAC systems; Gas, Oil, Electric Warm Air; Hot water Coil; Gas, Oil, Electric Hydronic; or Steam / Gravity Systems	Up to 3/2 Heat Pump or 2/2 Conventional	Battery or Hardwired	RC, R, C, W, W2 - AUX, Y, Y2, O/B, G, K, E, L/A, S, S	White	Z-Wave T6 Pro Programmable Thermostat	**349.00**

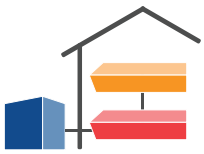
Honeywell Home



Universal Wall Plate

- Used with T10+, T10, T6 Smart Pro, T6 Pro, T4 , T3, and T1 thermostats

Order #	Mfg. #	Color	Description	Each
L51-192	THP2400A1080/U	White	Cover plate assembly	**48.49**



Mini-Split Selector

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Quick

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Single-zone or multi-zone system matches

Easy

Effortless indoor style selection and identification

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T10+ with RedLINK Smart Thermostat and Accessories

Honeywell Home

- Connected thermostat with both Wi-Fi and RedLINK capabilities
- Geofencing and flexible programmability
- Remote comfort control via computer, tablet or smartphone
- Wireless Equipment Interface Module works with T10+ Pro Smart thermostat to allow for control of up to 4 Heat/2 Cool heat pump systems, up to 3 Heat/2 Cool conventional systems, or IAQ products
- RedLINK 3.0 indoor sensors for T10+ sense indoor temperature, humidity and motion
- 200' range transmits through most building materials to the T10+ thermostat
- RedLINK 3.0 outdoor Air Sensor offers reliable performance in any climate
- Kits include: thermostat, EIM, wireless sensors
- 5-year warranty

Warning: This product contains lithium batteries and cannot be shipped by air



A B C D E F G

Fig.	Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Volts
Thermostats								
A	**L51-801**	THX321WFS3001W/U	24VAC systems Heat Pump, Conventional, Gas, Oil, Electric, Steam / Gravity Systems & Dual Fuel	3H/2C Heat Pump, 2H/2C Conventional	Hardwired	RC, R, C, W, O/B, Y, Y2, G, E, AUX, K, L, U, U, S, S	White	24VAC
B	**L51-802**	THX321WF3003W/U	24VAC Systems; Gas, Oil, Electric, Steam /Gravity Systems, Dual Fuel	3H/2C Heat Pump, 2H/2C Conventional	Hardwired	RC, R, C, W, O/B, Y, Y2, G, E, AUX, K, L, U, U, S, S	White	24VAC
Accessories								
C	**L51-798**	THM04R3000/U	—	—	—	—	Gray	—
D	**L51-799**	C7189R3002-2/U	—	—	Battery	—	White	—
E	**L51-800**	C7089R3013/U	—	—	Battery	—	Gray	—
T10+ Pro Thermostat Kits								
F	**L51-380**	YTHM1004R3000/U	Heat/Cool/Heat Pump/Dual Fuel/IAQ	3H/2C conventional, 4H/2C heat pump	Hardwired	EIM, R, Rh, Rc, C, W1, W2/AUX, W3/AUX2, Y, Y2, G, O/B, L, U1-U1, U2-U2, U3-U3, S1-S1, S2-S2, S3-S3, S4-S4	White, Grey	—
G	**L51-381**	YTHM1004R3001/U	Heat/Cool/Heat Pump/Dual Fuel/IAQ	3H/2C conventional, 4H/2C heat pump	Hardwired	EIM, R, Rh, Rc, C, W1, W2/AUX, W3/AUX2, Y, Y2, G, O/B, L, U1-U1, U2-U2, U3-U3, S1-S1, S2-S2, S3-S3, S4-S4	White, Grey	—

Fig.	Order #	Mfg. #	System Switching	Output Signal	Dimensions L x W x H	Description	Wt. Lbs.	Energy Star	Each
Thermostats									
A	**L51-801**	THX321WFS3001W/U	Auto, Manual	802.11b, 802.11g, 802.11n, 2.4GHz range, 5GHz range	6.1x2.6x6.1	T10+ WiFi Thermostat with RedLINK 3.0 and indoor sensors	0.82	—	**635.00**
B	**L51-802**	THX321WF3003W/U	Auto, Manual	802.11b, 802.11g, 802.11n, 2.4GHz range, 5GHz range	6.1x2.6x6.1	T10+ WiFi Thermostat with RedLINK 3.0	0.82	—	**555.00**
Accessories									
C	**L51-798**	THM04R3000/U	—	—	—	Equipment Interface Module (EIM)	—	—	**399.00**
D	**L51-799**	C7189R3002-2/U	—	0.78	9.5x2.0x5.8	RedLINK 3.0 indoor sensor (2 pack)	—	—	**269.00**
E	**L51-800**	C7089R3013/U	—	0.62	5.8x2.0x3.6	Wireless Outdoor Sensor	—	—	**255.00**
T10+ Pro Thermostat Kits									
F	**L51-380**	YTHM1004R3000/U	—	—	4.9" x 3.7" x 0.93"	Kit with thermostat, EIM, wireless indoor sensor, discharge sensor, return sensor	—	Y	**1045.00**
G	**L51-381**	YTHM1004R3001/U	—	—	4.9" x 3.7" x 0.93"	Kit with thermostat, EIM, wireless indoor and outdoor sensors, discharge sensor, return sensor	—	Y	**1099.00**

T4 Pro Programmable Thermostats

Honeywell Home

- 7-day programmable or non-programmable
- Uses the UWP mounting system that's standard across all T Series thermostats
- Large, clear backlit digital display
- 5-year warranty



Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Each
L49-428	TH4110U2005/U	Heat/Cool/Heat Pump	1/1 Heat Pump or 1/1 Conventional	Battery or Hardwired	Y, G, C, L/A, O/B, W, R, Rc	White	**145.00**
L49-581	TH4210U2002/U	Heat/Cool/Heat Pump	2/1 Heat Pump or 1/1 Conventional	Battery or Hardwired	Y, G, C, L/A, O/B, AUX, E, W, K, R, RC	White	**169.00**

Honeywell Home



T6 Pro Hydronic Thermostat

- 7-day, 5-2, 5-1-1 programmable or non-programmable
- Hot water and steam, up to 1H only
- Can be set to operate in one of 3 different control modes, including A, F and AF
- Floor sensor included
- Remote Indoor air optional
- Uses the UWP mounting system that's standard across all T Series thermostats
- 5-year warranty

Order #	Mfg. #	System Application	Each
L49-692	TH6100AF2004/U	Hot water heat only with floor sensor	**285.00**

Honeywell Home



Wire Saver C-Wire Adapter

- A wiresaver acts as a splitter for applications that do not include a 24V C wire (common wire)
- Works with Wi-Fi Thermostats and RedLINK 8000 series thermostats

Order #	Mfg. #	Description	For Use With	Each
L50-505	THP9045A2098/U	C-Wire Adapter	Wi-Fi Thermostats and RedLINK 8000 series thermostats	**89.00**

Honeywell Home

Prestige IAQ Kits and Thermostats



A



B



C

- Works in Residential and Light Commercial applications
- 60% smaller than original Prestige
- Connects to the Internet to provide remote access from PC, smart phone or tablet using **L46-108** Honeywell's RedLINK Internet Gateway (RIG)
- Three assignable outputs for Indoor Air Quality and staging control
- Customizable service reminders
- 2-Wire installation with Equipment Interface Module
- Delta T Alerts and Diagnostics inform users when the system is not operating as expected
- USB port allows downloading of installer settings to quickly and consistently perform setup of thermostats in similar applications
- RedLINK enabled to communicate with optional RedLINK Internet Gateway, Wireless Outdoor Sensor, Wireless Indoor Sensor, Portable Comfort Control, Exit/Entry Remote and Vent and Filter Boost Remote
- Thermostats date code of 1546 or newer are compatible with **L48-822** Equipment Remote Module

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Fig.	Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Description	Each
A	**L46-671**	YTHX9421R5085WW	Gas, Oil, Electric, Heat Pump, Forced Warm Air, Hot Water, Steam or Gravity	Up to 4/2 Heat Pump or up to 3/2 Conventional	Hardwired	C, R, RC, RH, W-O/B, W2-AUX1, W3-AUX2, Y, Y2, G, A-L/A, U1, U1, U2, U2, U3, U3, S1, S1, S2, S2, S3, S3, S4, S4, A, B, C, D	White	Prestige IAQ, Equipment Interface Module, 2 Duct Sensors	**929.00**
A	**L46-675**	YTHX9421R5101WW	Gas, Oil, Electric, Heat Pump, Forced Warm Air, Hot Water, Steam or Gravity	Up to 4/2 Heat Pump or up to 3/2 Conventional	Hardwired	C, R, RC, RH, W-O/B, W2-AUX1, W3-AUX2, Y, Y2, G, A-L/A, U1, U1, U2, U2, U3, U3, S1, S1, S2, S2, S3, S3, S4, S4, A, B, C, D	White	Prestige IAQ, Equipment Interface Module, Wireless Outdoor Air Sensor, 2 Duct Sensors	**1099.00**
A	**L46-679**	THX9421R5021WW	Gas, Oil, Electric, Heat Pump, Forced Warm Air, Hot Water, Steam or Gravity	Up to 4/2 Heat Pump or up to 3/2 Conventional	Hardwired	R, C then RedLINK to Equipment Interface Module	White	Prestige IAQ HD Thermostat (replacement, needs Equipment Interface Module to work)	**829.00**
B	**L47-613**	YTHX9421R5127WW	Gas, Oil, Electric, Heat Pump, Forced Warm Air, Hot Water, Steam or Gravity	Up to 4/2 Heat Pump or up to 3/2 Conventional	Hardwired	R, RC, RH, W-O/B, W2-AUX1, W3-AUX2, Y, Y2, G, A-L/A, U1, U1, U2, U2, U3, U3, S1, S1, S2, S2, S3, S3, S4, S4, A, B, C, D	White	Prestige 2-Wire IAQ Kit with prestige IAQ Thermostat and RedLINK Internet Gateway	**969.00**
C	**L50-504**	YTHX9421R7001WW/U	Gas, Oil, Electric, Heat Pump, Forced Warm Air, Hot Water, Steam or Gravity	Up to 4/2 Heat Pump or up to 3/2 Conventional	Hardwired	R, RC, RH, C, W-O/B, W2-AUX1, W3-AUX2, Y, Y2, G, A-L/A, U1, U1, U2, U2, U3, U3, S1, S1, S2, S2, S3, S3, S4, S4, A, B, C, D	White	Prestige 2-Wire IAQ, Equipment Interface Module, RedLINK Internet Gateway, Wireless Outdoor Sensor, Wireless Indoor Sensor, 2 Duct Sensors	**1199.00**

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Prestige Comfort System Components

Honeywell Home



A



B

Fig.	Order #	Mfg. #	Description	Each
A	**L44-616**	THP9045A1023	Wire Saver Module	**59.00**
B	**L44-617**	50028399-001	Cover Plate Assembly for Prestige 2.0	**55.00**

Fig.	Order #	Mfg. #	Description	Each
—	**L46-768**	THP2400A1027W	White Cover Plate for Redesigned Prestige IAQ	**55.00**

RedLINK Enabled VisionPRO® 8000 Thermostats

Honeywell Home

- Universal install (standard battery or hardwired; 2-wire or wireless with Equipment Interface Module)
- Quick install and easy setup
- On screen dealer information
- Smart Schedules
- Works standalone or with optional **L46-670** Equipment Interface Module and RedLINK accessories

Warning: This product contains lithium batteries and cannot be shipped by air



Hazardous Material Shipping Alert

Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Each
L47-614	YTH8321R1002	Gas, Oil, Electric, Heat Pump, Forced Warm Air, Hot Water, Steam or Gravity	3/2 Heat Pump or 2/2 Conventional	Hardwired or Battery	R, RC,C, W-O/B, W2-AUX/E, Y, Y2, G, A-L/A, K, U1 U1, S1 S1	Arctic White	**709.00**
L46-667	TH8110R1008	Gas, Oil, Electric, Heat Pump, Forced Warm Air, Hot Water, Steam or Gravity	1/1 Heat Pump or Up to 1 /1 Conventional When Used Standalone; Up to 4/2 Heat Pump or Up to 3/2 Conventional When Used With the Equipment Interface Module	Hardwired or Battery	C, R, RC, W-O/B, Y, G, K, S1 S1	White	**505.00**
L46-668	TH8320R1003/U	Gas, Oil, Electric, Heat Pump, Forced Warm Air, Hot Water, Steam or Gravity	3/2 Heat Pump or Up to 2/2 Conventional When Used Standalone; Up to 4/2 Heat Pump or Up to 3/2 Conventional When Used With the Equipment Interface Module	Hardwired or Battery	C, R, RC, W-O/B, W2-AUX/E, Y, Y2, G, A-L/A, K, S1 S1	White	**559.00**
L46-669	TH8321R1001/U	Gas, Oil, Electric, Heat Pump, Forced Warm Air, Hot Water, Steam or Gravity	Up to 3/2 Heat Pump or Up to 2/2 Conventional When Used Standalone; Up to 4/2 Heat Pump or Up to 3/2 Conventional When Used With the Equipment Interface Module	Hardwired or Battery	C, R, RC, W-O/B, W2-AUX/E, Y, Y2, G, A-L/A, K, U1 U1, S1 S1	White	**615.00**

PROVIDING YOU UNIVERSAL TRUCK STOCK OPTIONS

Ask About Our Replenishment Programs Today!



Honeywell Home

Wireless FocusPRO® Thermostats


A


B

- Works with optional Wireless Outdoor Air Sensor **L44-543**
- Works with optional RedLINK Internet Gateway (RIG) **L46-108** to provide remote access using a Smart Phone, PC, or Tablet
- Works with optional Portable Comfort Control **L44-540**
- Available in programmable and non-programmable models
- Dual fuel enabled

Specifications:
- Electrical rating: 18–30VAC
- Temperature range: 40°F to 90°F (heat); 50°F to 99°F (cool)

Fig.	Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Description	Each
A	**L44-534**	TH6320R1004	Gas, Oil, Electric, Heat Pump, Forced Warm Air, Hot Water, Steam or Gravity	Up to 3/2 Heat Pump or Up to 2/2 Conventional	Battery	C, R, Rc, W-O/B, W2-AUX/E, Y, Y2, G, L, K, HUM, HUM, DHM, DHM	White	Programmable Thermostat Only (Needs Equipment Interface Module for Operation)	**465.00**
A	**L44-535**	TH5320R1002	Gas, Oil, Electric, Heat Pump, Forced Warm Air, Hot Water, Steam or Gravity	Up to 3/2 Heat Pump or Up to 2/2 Conventional	Battery	C, R, Rc, W-O/B, W2-AUX/E, Y, Y2, G, L, K, HUM, HUM, DHM, DHM	White	Non-Programmable Thermostat Only	**469.00**
B	**L44-536**	YTH6320R1001	Gas, Oil, Electric, Heat Pump, Forced Warm Air, Hot Water, Steam or Gravity	Up to 3/2 Heat Pump or Up to 2/2 Conventional	Battery	C, R, Rc, W-O/B, W2-AUX/E, Y, Y2, G, L, RAS	White	Includes Wireless FocusPRO Programmable Thermostat, Equipment Interface Module and Return Air Sensor	**759.00**
B	**L44-537**	YTH5320R1000	Gas, Oil, Electric, Heat Pump, Forced Warm Air, Hot Water, Steam or Gravity	Up to 3/2 Heat Pump or Up to 2/2 Conventional	Battery	C, R, Rc, W-O/B, W2-AUX/E, Y, Y2, G, L, K, HUM, HUM, DHM, DHM	White	Includes Wireless FocusPRO Non-Programmable Thermostat, Equipment Interface Module and Return Air Sensor	**735.00**

Honeywell Home

RedLINK Accessories

Warning: This product contains lithium batteries and cannot be shipped by air


A


B


C


D


E


F


G


H


I


J

Hazardous Material Shipping Alert

Fig.	Order #	Mfg. #	Description	Each
A	**L49-661**	THM6000R7001/U	Redlink Internet Gateway (RIG)	**229.00**
B	**L46-109**	C7189R1004/U	Wireless Indoor Sensor	**149.00**
C	**L44-543**	C7089R1013/U	Wireless Outdoor Sensor	**185.00**
D	**L46-434**	REM1000R1003	RedLINK Wireless Entry/Exit Remote	**125.00**
E	**L46-435**	HVC20A1000	Wireless Vent and Filter Boost Remote	**135.00**
F	**L44-540**	REM5000R1001	Portable Comfort Control	**355.00**
G	**L44-541**	THM5320R1000	Equipment Interface Module (Wireless FocusPRO)	**465.00**
H	**L46-670**	THM5421R1021	Equipment Interface Module (Prestige IAQ and RedLINK VisionPRO)	**239.00**
I	**L46-683**	YTHM5421R1010	Equipment Interface Module Kit (includes Duct Sensors)	**269.00**
J	**L48-822**	ERM5220R1018	Equipment Remote Module, Compatible with RedLINK VisionPRO 8000, Prestige IAQ Thermostats and Equipment Interface Modules with a Date Code of 1546 or Newer	**395.00**
J	**L48-823**	YERM5220R8321	Equipment Remote Module & VisionPRO (TH8321R1001/U)	**1045.00**
J	**L48-824**	YERM5220RVPEIM	Equipment Remote Module, VisionPRO (TH8321R1001/U) & Equipment Interface Module	**1245.00**

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Wi-Fi Thermostats

Honeywell Home

- Connects to home's existing Wi-Fi network (no separate device needed)
- Remote comfort control via web, tablet or smartphone by connecting with Honeywell's Total Connect Comfort services
- Free apps available for tablet and smartphones
- Automatic software updates through Wi-Fi
- 7-day programmable or non-programmable
- Precise temperature control
- Internet time-sync
- Tool-free wiring, manual-free install and setup
- Equipment check/change reminders


A


B

Fig.	Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Description	Each
A	**L47-196**	TH9320WF5003	Heat Pump and Conventional	Up to 3/2 Heat Pump and 2/2 Conventional	Hardwired	R, RC, C, W (O/B), W2 (AUX/E), Y, Y2, G, L, K	Premier White	Wi-Fi 9000 Color Touchscreen Thermostat	**549.00**
B	**L47-541**	TH8321WF1001	Heat Pump and Conventional	Up to 3/2 Heat Pump and 2/2 Conventional	Hardwired	R, RC, C, K, W-O/B, Y, G, W2-Aux/E, Y2, A-L/A, S1, S1, U1, U1	Arctic White	Wi-Fi 8000 VisionPRO Thermostat	**569.00**

VisionPRO® and VisionPRO® IAQ Thermostat Accessories

Honeywell Home

- Multiple **L40-710** indoor sensors must be installed in square numbers (1, 4, 9, 16, etc.)



Order #	Mfg. #	Color	Description	Each
Sensors				
L40-710	C7189U1005	White	Indoor Sensor	**105.00**
L40-711	C7089U1006	White	Outdoor Sensor	**95.00**
Cover Plates				
L40-712	32003796-001	White	Cover Plate Assembly	**44.99**
L46-771	THP2400A1019	White	Cover Plate for VisionPRO 8000 with RedLINK	**48.49**

FocusPRO® 6000 Programmable Thermostats

Honeywell Home

- Selectable 5+1+1 or 5+2 day programming
- Auto or manual changeover
- Easy side door battery access
- Dual powered

Specifications:

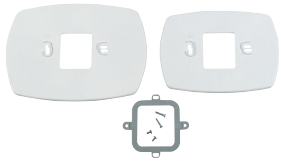
- Electrical rating: 20 to 30VAC or 750mV
- Temperature range: 40°F to 90°F (heat); 50°F to 99°F (cool)
- Dimensions: 5-13/16" W x 3-9/16" H x 1-1/2" D



Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Description	Each
L50-692	TH6110D1021	Heat/Cool/Heat Pump	1/1	Hardwired or Battery	R, Rc, C, W (O/B), Y, G	White	Large Display	**279.00**
L50-693	TH6220D1028	Heat/Cool/Heat Pump	2/2 Conventional; Up to 2/1 Heat Pump	Hardwired or Battery	R, Rc, C, W (O/B), Y, G, Y2-L, W2 (AUX)	White	Large Display	**345.00**

FocusPRO® and PRO Thermostat Accessories

Honeywell Home



Order #	Mfg. #	Color	Description	Each
L40-439	50001137-001	White	Small/Medium Cover Plate Assembly (FocusPRO TH5110)	**42.99**
L40-440	50002883-001	White	Medium/Large Cover Plate Assembly (FocusPRO 6000, 5000; PRO 4000, 3000)	**39.99**
L40-733	50007297-001	White	12-Pack of Small Cover Plates (TH5110 Series)	**195.00**
L40-734	50007298-001	White	12-Pack of Medium Cover Plates (TH3000, TH4000, TH5000 & TH6000 Series)	**195.00**

Honeywell Home

PRO 2000 Programmable Thermostats

- 5+2 day programming
- Backlit display
- Dual powered
- Fits popular horizontal footprint
- Private-label eligible

Specifications:
- Electrical rating: 20 to 30VAC or 750mV
- Temperature range: 40°F to 90°F (heat); 50°F to 99°F (cool)
- Dimensions: **L41-711** and **L41-712**: 2-7/8" W x 4-11/16" H x 1-1/8" D; **L46-210** and **L46-211**: 4-10/16" W x 3-7/16" H x 1-3/16" D


A


B

Fig.	Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Each
A	**L41-711**	TH2110DV1008	Heat/Cool/Heat Pump	1/1	Hardwired or Battery	R, RC, C, W, Y, G, O, B	White	**115.00**
A	**L41-712**	TH2210DV1006	Heat Pump	2/1	Hardwired or Battery	R, C, Aux/E, O, B, Y, G	White	**139.00**
B	**L46-210**	TH2110DH1002	Heat/Cool/Heat Pump	1/1	Hardwired or Battery	R, Rc, C, W, O, B, Y, G	White	**115.00**
B	**L46-211**	TH2210DH1000	Heat Pump	2/1	Hardwired or Battery	R, C, Aux/E, O, B, Y, G	White	**165.00**

Nest Pro

Google Nest Learning Thermostats G4

◀ NEW



- Large, customizable display
- Compatible with complex HVAC systems up to 4H 2C including heat pumps and IAQ products
- Includes redesigned Nest Temperature Sensor in the box
- Easy installation in the Google Home app with no need to use the customer's phone
- Enter Pro ID once and it automatically prepopulates on future installs
- 5-year extended warranty

ENERGY STAR

Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Each
L51-906 ◀	GA05560-US	Gas, Electric, Forced Air, Heat Pump, Radiant, Oil, Hot Water, Solar and Geothermal	Up to 3/2	24V Hardwired and Rechargeable Lithium Battery	C, RH, RC, W1, W2, W3, Y1, Y2, O/B, AUX, E, HUM, DEHUM, G, G2, G3, VENT	Polished Silver	**659.00**
L51-905 ◀	GA05551-US	Gas, Electric, Forced Air, Heat Pump, Radiant, Oil, Hot Water, Solar and Geothermal	Up to 3/2	24V Hardwired and Rechargeable Lithium Battery	C, RH, RC, W1, W2, W3, Y1, Y2, O/B, AUX, E, HUM, DEHUM, G, G2, G3, VENT	Polished Silver	**659.00**
L51-903 ◀	GA05169-US	Gas, Electric, Forced Air, Heat Pump, Radiant, Oil, Hot Water, Solar and Geothermal	Up to 3/2	24V Hardwired and Rechargeable Lithium Battery	C, RH, RC, W1, W2, W3, Y1, Y2, O/B, AUX, E, HUM, DEHUM, G, G2, G3, VENT	Polished Obsidian	**659.00**
L51-904 ◀	GA05171-US	Gas, Electric, Forced Air, Heat Pump, Radiant, Oil, Hot Water, Solar and Geothermal	Up to 3/2	24V Hardwired and Rechargeable Lithium Battery	C, RH, RC, W1, W2, W3, Y1, Y2, O/B, AUX, E, HUM, DEHUM, G, G2, G3, VENT	Polished Gold	**659.00**

Nest Pro

Google Nest Thermostat E



- Learns the temperatures customers like and programs itself in about a week
- Includes Nest's energy-saving features like AutoSchedule, Home/Away Assist, Energy History and more
- Gives customers an adjustable schedule so they can customize their schedule on Day 1
- Frosted display and simplified user interface specifically designed to blend into many rooms
- 3-year warranty when professionally purchased and installed (instead of 1-year retail warranty)
- Contractors can enter their 'Pro ID' upon installation to activate the additional warranty and upload their installer information

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert
ENERGY STAR

Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Each
L49-582	T4001ES	Gas, electric, forced air, radiant, oil, hot water, solar and geothermal	2/1 OR 1/2 Conventional, 1/1 Heat Pump	24V Hardwired	R, G, Y1, W1, C, */OB	**359.00**

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Wi-Fi Thermostats

Nest Pro

- Uses sensors, algorithms, and phone's location to turn itself down when nobody's home to help save energy
- Monitors HVAC equipment and alerts the homeowner when issues are detected
- Connects to Wi-Fi to control the temperature from phone, tablet or laptop
- 3-year warranty when professionally installed



ENERGY STAR

Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Volts	Each
L50-959	GA02180-US	Gas, Electric, Forced Air, Heat Pump, Radiant, Hot Water	2/1	24V Hardwired	C, RH, RC, W1, W2, Y1, Y2, O/B, AUX, G	Snow	24V	**279.00**
L50-960	GA02081-US	Gas, Electric, Forced Air, Heat Pump, Radiant, Hot Water	2H/1C, 1H/2C	24V Hardwired	C, RH, RC, W1, W2, Y1, Y2, O/B, AUX, G	Charcoal	24V	**279.00**
L50-961	GA02083-US	Gas, Electric, Forced Air, Heat Pump, Radiant, Hot Water	2/1	24V Hardwired	C, RH, RC, W1, W2, Y1, Y2, O/B, AUX, G	Fog	24V	**275.00**
L50-962	GA02082-US	Gas, Electric, Forced Air, Heat Pump, Radiant, Hot Water	2/1	24V Hardwired	C, RH, RC, W1, W2, Y1, Y2, O/B, AUX, G	Rose	24V	**275.00**

Temperature Sensor

◀NEW

Nest Pro

- Temperature sensor that can be placed in different rooms to communicate with the Nest Thermostat E or original Nest Learning Thermostats
- Allows homeowners to prioritize different rooms at different times to improve comfort
- Small-sized sensor can be placed on a wall or shelf with a battery that lasts up to two years
- Sensor can be placed up to 50' from the Nest thermostat and communicates with the thermostat via Bluetooth Low Energy
- **L49-862** is a three pack



Order #	Mfg. #	Color	Description	For Use With	Each
L51-907 ◀	GA05552-US	White	Remote Temperature Sensor 1 Pack	Google Nest Thermostats	**89.00**
L51-908 ◀	GA05177-US	White	Remote Temperature Sensor 3 Pack	Google Nest Thermostats	**215.00**

Power Connector

Nest

- Simple and affordable alternative to a C wire if your heating and cooling system needs one to power your Nest thermostat.
- It can be used in systems with heat, cooling, or both heat and cooling capabilities.
- You can install it at the furnace, air handler, or zone controller without the need for new wiring



Order #	Mfg. #	Each
L51-097	GA02493-US	**43.49**

Google Nest Battery Camera

Nest Pro

- Three power options – wired, wired with power over Ethernet, or wireless
- Built-in intelligent alerts- people, animals, and vehicles
- Activity Zones
- 1080p HD with HDR night vision
- Weather resistant with an IP54 rating
- Automatically stores up to 1 hour of recorded events during a Wi-Fi or power outage

Warning: This product contains lithium batteries and cannot be shipped by air



Order #	Mfg. #	Color	Description	Each
G38-295	GA02276-US	White	Pro Camera, indoor or outdoor, single pack	**389.00**
G38-292	GA01317-US	White	Camera, indoor or outdoor, single pack	**389.00**
G38-293	GA01894-US	White	Camera, indoor or outdoor, 2 pack	**709.00**
G38-294	GA02077-US	White	Camera, indoor or outdoor, 3 pack	**965.00**

Hazardous Material Shipping Alert

Nest

Camera Accessories

- Works with Nest Battery Camera only



A



B

Fig.	Order #	Mfg. #	Color	Description	Each
A	**G38-285**	GA02070-US	White	Cam Stand & Cable	**69.00**
B	**G38-288**	GA02279-US	White	Cam Charge Cable 1M	**25.49**
B	**G38-286**	GA02277-US	White	Cam Weatherproof Cable 5M	**59.00**
B	**G38-287**	GA02278-US	White	Cam Weatherproof Cable 10M	**69.00**

Nest

Cover Plate

- Oversize white oval trim plate for use with the **L50-959** (GA02180-US) Nest Thermostat Pro-White



Order #	Mfg. #	Color	Each
L50-990	GA01837-US	White	**27.49**

Honeywell Home

Honeywell PRO 2000 Cover Plate



Order #	Mfg. #	Color	Description	Each
L44-336	50022893-001	White	White Cover Plate (PRO TH1000 & TH2000 Series)	**27.99**

Nest Pro

Yale Wi-Fi Connected Door Lock

- Tamper-proof, key-free deadbolt lock that connects to the Nest app
- Lock and unlock the door from anywhere and give guests temporary access codes
- Nest app can give notifications when someone unlocks the door or tampers with the lock



Order #	Mfg. #	Color	Each
G37-755	RB-YRD540-WV-619	Nickel	**599.00**
G37-756	RB-YRD540-WV-0BP	Bronze	**599.00**
G38-296	RB-YRD540-WV-BSP	Black	**599.00**

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SOURCE1 HVAC Service Parts · FRIEDRICH · Amana · FUJITSU · ALLIED Air Enterprises · DAIKIN



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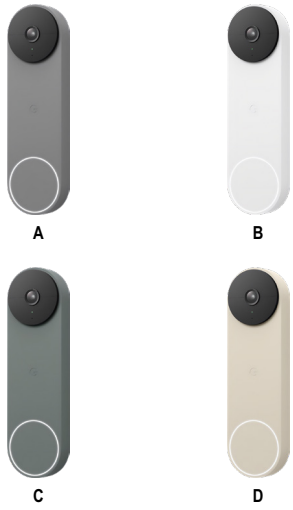
Nest Doorbell Wired 2022

- Powered by rechargeable battery or existing doorbell wires
- Built-in intelligent alerts - people, packages, animals, and vehicles
- Tall 3:4 aspect ratio
- Local storage
- Activity zones
- Encrypted video, two-step verification, and enhanced security

Fig.	Order #	Mfg. #	Color	Temp. Range	Description	For Use With	Each
A	**G38-378**	GA03696-US	Ash	–20°C to 40°C	Doorbell Wired	Must be connected to a 16–24VAC, 10VA, 50/60Hz doorbell transformer; compatible with Nest Indoor Power Adapter.	**375.00**
B	**G38-380**	GA03730-US	White	–20°C to 40°C	Doorbell Wired, Pro	Must be connected to a 16–24VAC, 10VA, 50/60Hz doorbell transformer; compatible with Nest Indoor Power Adapter.	**375.00**
C	**G38-381**	GA03697-US	Ivy	–20°C to 40°C	Doorbell Wired	Must be connected to a 16–24VAC, 10VA, 50/60Hz doorbell transformer; compatible with Nest Indoor Power Adapter.	**375.00**
D	**G38-382**	GA03695-US	Linen	–20°C to 40°C	Doorbell Wired	Must be connected to a 16–24VAC, 10VA, 50/60Hz doorbell transformer; compatible with Nest Indoor Power Adapter.	**375.00**



Google Nest Hub Smart Display

- Google Nest Hub brings you visual help for any moment at home
- With the Google Assistant built in, use your voice to view your latest events and reminders, and control smart devices from a single dashboard
- Sleep Sensing uses motion and sound to monitor your sleep, improving overall sleep using personalized insights and recommendations
- Compatible with Nest Thermostats, Nest Cameras and Nest Hello video doorbell
- Enhanced speaker delivers 50% more bass for clear sound
- Far-field voice recognition supports hands-free use Google Assistant built in voice match technology, and ultrasound sensing
- Soli, Ambient EQ, Temp sensors
- 3 microphones

Fig.	Order #	Mfg. #	Color	Description	Each
A	**G38-234**	GA01331-US	White	Hub (2nd gen)	**215.00**
B	**G38-235**	GA01892-US	Black	Hub (2nd gen)	**215.00**



Google Nest Audio

- With Nest Audio, Google learns your most common music, smart home and productivity commands and responds faster over time
- Stream music, podcasts, and radio from a range of platforms including YouTube Music, Spotify and Sirius XM
- Command thousands of compatible smart devices

Order #	Mfg. #	Color	Description	Each
G38-220	GA01586-US	Charcoal	Google Nest Audio	**205.00**
G38-221	GA01420-US	Chalk	Google Nest Audio	**205.00**



ecobee Smart Thermostat Premium

- Includes SmartSensor
- 7-day programmable
- Built-in indoor air quality monitor, air pressure sensor, humidity sensor, and occupancy sensor
- Integrates with most popular smart home systems
- 4" full-color touch screen
- Spotify Connect and Bluetooth streaming
- Supports 1-wire or 2-wire accessory control
- Includes Power Extender Kit for installations without a C wire
- 5-year warranty with professional installation

Warning: This product contains lithium batteries and cannot be shipped by air



Hazardous Material Shipping Alert

Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Volts	System Switching	Dimensions L x W x H	Wt. Lbs.	Each
L51-232	EB-STATE6P-01	Conventional, Gas, Oil, Electric, DualFuel, Forced Air HVAC systems	Conventional -(2H/2C) Heat Pumps -(4H/2C) 2 stage heat pump + 2 stage AUX / 2 stage cool	Hardwired	C, Rc, Rh, G, O/B, Y1, Y2, W1, W2, Acc+, Acc-, PEK+	Silver	24	Heat/Cool/ Auto	2.9"x6.9"x6.1"	0.53lbs	**545.00**

ecobee



Hazardous Material Shipping Alert

ecobee Smart Thermostat Enhanced

- 7-day programmable
- Humidity sensing
- 4" full-color touch screen
- Wi-Fi enabled
- Integrates with most popular smart home systems
- Remote management
- Built-in Occupancy Sensor
- 1-wire accessory support
- Includes Power Extender Kit for installations without a C wire
- 5-year warranty with professional installation

Warning: This product contains lithium batteries and cannot be shipped by air

Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Volts	System Switching	Dimensions L x W x H	Wt. Lbs.	Each
L51-233	EB-STATE6LP-01	Conventional, Gas, Oil, Electric, DualFuel, Forced Air HVAC systems	Conventional -(2H/2C) Heat Pumps -(3H/2C) 2 stage heat pump + 1 stage AUX / 2 stage cool	Hardwired	C, R, G, Y1, Y2, W1, W2/ OB, PEK+	White	24	Heat/Cool/Auto	0.94"x4.09"x4.09"	0.4lbs	**419.00**

ecobee



Hazardous Material Shipping Alert

Sensor for ecobee 3 Lite Pro Wi-Fi Thermostat

- SmartSensor detects both temperature and occupancy, allowing homeowners to prioritize specific rooms and reach the desired temperature where needed

Warning: This product contains lithium batteries and cannot be shipped by air

Order #	Mfg. #	Color
L50-264	EB-RSHM2PK-01	White

WHITE-RODGERS



ENERGY STAR

Sensi Touch 2 Wi-Fi Thermostats

- Large backlit glass touch screen
- 5-year warranty
- Works with Sensi Room Sensors
- Dehumidification and humidification control
- Contractor branding adds your information to the thermostat and mobile app
- Built in level and a traditional footprint
- Smart alerts informs customers of issues with equipment
- Compatible with Amazon Alexa, Google Assistant and SmartThings

Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Volts	System Switching	Dimensions L x W x H	Each
L51-322	1F96U-42WF	Single-Stage, Multi-Stage or Heat Pump	4/2	Hardwired	RC, RH, C W/E, W2, Y, Y2/*, O/B, G, ACC+, ACC-	White	24	Heat-Off-Cool-Aux	5.6"X 3.25"X .77"	**415.00**
L51-323	1F96U-42WFB	Universal	4/2	Hardwired	RC, RH, C W/E, W2, Y, Y2/*, O/B, G, ACC+, ACC-	Black	24	Heat-Off-Cool-Aux	5.6"X 3.25"X .77"	**415.00**

WHITE-RODGERS



Sensi 2 Room Sensor

- Select a specific sensor to prioritize the temperature where it is needed
- Average temperature settings across all sensors and thermostats to help reduce hot and cold spots
- View room temperatures and humidity levels throughout the home
- Use the stand or mount directly on a wall with a 2-year battery life
- Compatible with the Sensi Touch 2 Smart Thermostat

Order #	Mfg. #	Color	Description	Each
L51-324	RS01-SG	White	1-pack	**109.00**

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Sensi Lite Smart Thermostat

WHITE-RODGERS

- Large glass display
- 5-year warranty with professional installation
- No C-wire required with most systems
- Contractor branding adds your information to the thermostat and mobile app
- Built in level and a traditional footprint
- Mobile app allows customer to control their system remotely
- Smart alerts informs customers of issues with their equipment
- Compatible with Amazon Alexa, Google Assistant and SmartThings

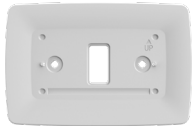


Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Volts	System Switching	Dimensions L x W x H	Each
L51-496	1F76U-22WFB	Universal	2/1 or 1/2	Hardwired, Power Sharing	R, O/B, Y, G, W/E, C	Black	24	Heat-Off-Cool-Aux	5.1"X 3.1"X .88"	**185.00**

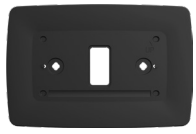
Wallplates for Sensi Touch 2 and Sensi Lite Thermostats

WHITE-RODGERS

- Available in White or Black



A



B

Fig.	Order #	Mfg. #	Color	Description	Each
A	**L51-638**	SA6W	White	7.0" x 4.6" x .24"	**14.99**
B	**L51-639**	SA6B	Black	7.0" x 4.6" x .24"	**14.99**

Sensi Classic Wi-Fi Thermostat

WHITE-RODGERS

- Thermostat with remote access from smartphone, tablet or PC
- Installation and configuration like a traditional thermostat
- No additional accessories required
- No "C Wire" Required for most applications



Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Each
L49-493	1F87U-42WF	Heat/Cool/Heat Pump	4/2	Battery or Hardwired	RC, RH, C, W/E, W2, Y, Y2, O/B, G, L	White	**285.00**

Emerson 80 Series™ Programmable Thermostats

WHITE-RODGERS

- Programmable models offer choice of 7-day, 5+1+1 day or no schedule
- Dual fuel control without outdoor sensor on all staging models
- Advanced features include early start, keypad lockout & temperature limits on all models



A



B



C



D

Fig.	Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Each
A	**L48-018**	1F85U-42PR	Universal	4/2	Hardwired or Battery	RC, RH, C, W/E, W2, Y, Y2, O/B/6, G, L	White	**185.00**
B	**L48-020**	1F85U-22PR	Universal	2/2	Hardwired or Battery	RC, RH, C, W/E, W2, Y, Y2, O/B/6, G, L	White	**159.00**
C	**L48-022**	1F83H-21PR	Heat Pump	2/1	Hardwired or Battery	R, C, W2, E, Y, O/B, G, L	White	**135.00**
D	**L48-024**	1F83C-11PR	Conventional	1/2	Hardwired or Battery	RC, RH, C, W, Y, O/B, G	White	**109.00**

MODEL to PART

Critical Parts When You Need Them

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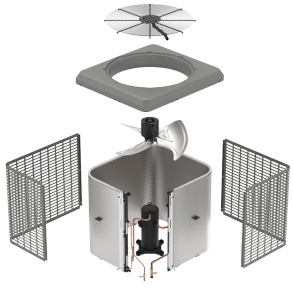

Pro-1 Wi-Fi Thermostats

NEW


A


B


C

- 7 sq. inch display with blue backlight
- Glow in the dark light button
- Electric or Gas configurable
- Room temperature calibration adjustment
- Separate heating and cooling swing (cycle rate) adjustments
- 5-minute compressor delay protection (selectable on or off)
- Easy wire color coded terminal blocks
- Universal sub-base
- Mounts on wall or junction box
- 24V power
- 5-year warranty

Fig.	Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Dimensions L x W x H	Description	Each
A	**L51-396**	T701i	Conventional	1H/1C	Hardwired	Rc, Rh, G, Y , C, O, B, W	White	4.7"W x 4.4"H x 1.1"D	7 sq. in. Blue Display	**205.00**
B	**L51-397**	T721i	Conventional/ Heat Pump	2H/1C	Hardwired	Rc, Rh, Y, W2 , W/E, G, B, O	White	4.7"W x 4.4"H x 1.1"D	7 sq. in. Blue Display	**219.00**
C	**L51-836** ◀	T751i	Universal	2H/2C Conventional, 4H/2C Heat Pump	Hardwired	Rc, Rh, Y, Y2, W2 , W/E, G, B, O	White	4.7" W x 4.4" H x 1.1" D	7 sq. in. Blue Display	**245.00**
C	**L47-696**	T855iSH	Conventional/ Heat Pump	5/3	Hardwired	Rh, Rc, C, Y, Y2, W/E, W2, G, O, B	White	—	8 sq. inch display	**325.00**

Pro-1 Thermostat Sensors

NEW

- Compatible with T855SH, T755S, or T755WHO PRO1 Thermostats

Warning: This product contains lithium batteries and cannot be shipped by air


A


B


C

Hazardous Material Shipping Alert

Fig.	Order #	Mfg. #	Color	Temp. Range	Description	For Use With	Each
A	**L49-494**	R250S	—	—	Wired Outdoor Or Slab Sensor	—	**65.00**
B	**L49-495**	R251S	—	—	Wired Indoor Remote Sensor	—	**59.00**
C	**L51-837** ◀	R250W	Grey	40-140° F	Wireless outdoor sensor for PROSync System	T755who	**165.00**

PROSync Wireless Thermostat with EIM and Occupancy Sensor



- Wireless thermostat with EIM board and Occupancy Sensor
- 7 sq. inch display
- Intuitive wake, leave, return, sleep programming icons
- Room temperature calibration adjustment
- Universal sub-base

Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Description	Each
L51-529	T755WHO	Heat/Cool/Heat Pump	2/2	Hardwired or Battery	Rh, Rc, C, Y, Y2, W/E, W2, G, B,O, H,D	7 sq. inch display	**365.00**

Pro-1 Programmable Thermostats


A


B

- 7-day or 5+1+1 programmable
- Intuitive wake, leave, return, sleep programming icons
- Room temperature calibration adjustment
- Universal sub-base

Fig.	Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Description	Each
A	**L45-102**	T705	Gas/Electric or Oil/Heat Pump	1/1	Hardwired or Battery	Rh, Rc, C, Y, W, G, B, O	4 sq. inch display	**109.00**
A	**L45-103**	T715	Gas/Electric or Oil	2/2	Hardwired or Battery	R, C, Y, Y2, W, W2, G	4 sq. inch display	**145.00**
B	**L45-105**	T725	Heat Pump	2/1	Hardwired or Battery	R, C, Y, W2, E, G, B, O	4 sq. inch display	**139.00**

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Pro-1 Universal Thermostats

- Blue back light
- Glow in the dark light button
- 5-minute compressor delay protection (selectable on or off)
- Separate heating and cooling swing (cycle rate) adjustments
- Room temperature calibration adjustments



A



B



C

Fig.	Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Description	Each
A	**L50-992**	T751	Conventional/Heat Pump (Auto Changeover)	3/2	Hardwired or Battery	Rh, Rc, C, Y, Y2, W/E, W2, G, B, O	7" Blue Display	**135.00**
B	**L45-748**	T755	Heat/Cool/ Heat Pump	3/2	Hardwired or Battery	Rh, Rc, C, Y, Y2, W/E, W2, G, B,O	7 sq. inch display	**185.00**
C	**L45-109**	T855	Gas/Electric or Oil/Heat Pump	3/2	Hardwired or Battery	Rh, Rc, C, Y, Y2, W/E, W2, G, B, O	8 sq. inch display	**225.00**
C	**L49-501**	T855SH	Conventional/Heatpump	3/2	Hardwired or Battery	Rh, RC, C, Y, Y2, W/E, W2, G, O, B, S1, S2	—	**239.00**

Pro-1 IAQ Universal Wall Plate



Order #	Mfg. #	Description	Each
L45-099	T119	Universal Plastic Wall Plate for Pro-1 Thermostats	**14.99**

S86 Thermostats

- Capacitive Touch Interface with color display
- Programmable (Individual days, weekdays, weekends or 7-day)
- Dual Fuel Capable
- Air filter and HVAC service reminders
- Heat Blast® option to raise room temperature 3° to 5° F
- Displays room temperature, room humidity, temperature setting and outdoor temperature

Note: L51-329 and **L51-330** Include wired outdoor temperature sensor and is capable of controlling AprilAire ventilation solutions, dehumidifier or humidifier.
L51-330 is a Wi-Fi Thermostat



Order #	Mfg. #	System Application	Stages Heat/ Cool	Power Method	Terminal Designations	Color	Volts	System Switching	Dimensions L x W x H	Description	Wt. Lbs.	Each
L51-328	S86NMU	HVAC - Heat/ Cool & Heat Pump	2/2 & 4/2HP	Hardwired	RH, RC, W, Y, G, C, O/B, L, W2, Y2, T1, T2	White	(18 – 30VAC) at 60Hz, 3A max	Yes	4.38 x 0.8 x 4.38	Programmable Thermostat	0.6	**189.00**
L51-329	S86NMUPR	HVAC - Heat/ Cool & Heat Pump	2/2 & 4/2HP	Hardwired	RH, RC, W, Y, G, C, O/B, L, W2, Y2, T1, T2, I1, I2	White	(18 – 30VAC) at 60Hz, 3A max	Yes	4.38 x 0.8 x 4.38	Programmable IAQ Thermostat	0.6	**255.00**
L51-330	S86WMUPR	HVAC - Heat/ Cool & Heat Pump	2/2 & 4/2HP	Hardwired	RH, RC, W, Y, G, C, O/B, L, W2, Y2, T1, T2, I1, I2	White	(18 – 30VAC) at 60Hz, 3A max	Yes	4.38 x 0.8 x 4.38	Programmable Wi-Fi IAQ Thermostat	0.6	**345.00**

AprilAire

Accessories for AprilAire Thermostats

- Adapter, Wall Plate and Sensors for S84 and S86 Thermostats

Note: Sensors are compatible with **L51-330** Thermostat


A


B


C


D


E

Fig.	Order #	Mfg. #	Color	Temp. Range	Description	For Use With
A	**L51-377**	Z10IDT	White	-40 to 125F	S86 Wireless Indoor Temperature and RH Sensor	AprilAire S86WMUPR Thermostat
B	**L51-378**	Z10ODT	Black	-40 to 125F	S86 Wireless Outdoor Temperature and RH Sensor	AprilAire S86WMUPR Thermostat
C	**L51-375**	8022	White	—	3-Wire To 4-Wire Adapter for S86 or S84 thermostats	S84 or S86 Thermostats
D	**L51-783**	8084	White	—	S84 Wall Plate	AprilAire S84 Series Thermostats
E	**L51-376**	8086	White	—	S86 Wall Plate	AprilAire S86 Series Thermostats

AprilAire

S84 Series Thermostats



- Battery or C-wired
- Programmable (Individual days, weekdays, weekends or 7-day) & Non-Programmable
- Programmable fan control with fan circulation mode
- Air filter and HVAC Service Reminders

Note: L51-742 Works with outdoor sensor, 8052

Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Volts	Dimensions L x W x H
L51-741	S84N1H1C	Heat/Cool	1H/1C	Hardwired or Battery	RH, RC, W, Y, G, C	White	24 VAC	3.75 x 3.75 x 1.00
L51-742	S84NSU	Heat/Cool or Heat Pump	1H/1C or 2H/1C Heat Pump	Hardwired or Battery	RH, RC, W, Y, G, C, T1, T2, O/B, L	White	24 VAC	3.75 x 3.75 x 1.00

Honeywell Home

FocusPRO® 5000 Non-Programmable Thermostats


A


B

- Auto or manual changeover
- Dual Powered
- Easy access battery replacement
- 5-year warranty

Specifications:

- Electrical rating: 20 to 30VAC or 750mV
- Temperature range: 40°F to 90°F (heat); 50°F to 99°F (cool)

Fig.	Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Description	Each
A	**L50-691**	TH5110D1022	Heat/Cool/Heat Pump	1/1	Hardwired or Battery	R, Rc, C, W (O/B), Y, G	White	Large Display	**199.00**
B	**L50-694**	TH5220D1029	Heat/Cool/Heat Pump	2/2	Hardwired or Battery	R, Rc, C, W (O/B), Y, G, Y2-L, W2 (AUX)	White	Large Display	**275.00**

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PRO 3000 Non-Programmable Thermostats

Honeywell Home

- Backlit display
- Dual powered

Specifications:
- Electrical rating: 20 to 30VAC or 750mV
- Temperature range: 40°F to 90°F (heat); 50°F to 99°F (cool)
- Dimensions: 5-3/8" W x 3-13/16" H x 1-1/4" D



Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Each
L50-741	TH3110D1008/U	Heat/Cool/Heat Pump	1/1	Hardwired or Battery	R, Rc, W, Y, G, O, B, C	White	**139.00**
L50-742	TH3210D1004/U	Heat Pump	2/1	Hardwired or Battery	R, Y, AUX, E, G, O, B, L, C	White	**219.00**

T1 Pro Non-Programmable Thermostat

Honeywell Home

- Available in 1 Heat/1 Cool heat pump and conventional and Heat Only/Cool Only
- Large, clear backlit digital display
- Uses the UWP mounting system that's standard across all T Series thermostats



Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Each
L49-691	TH1110D2009/U	Conventional/Heat Pump	1/1	Battery or Hardwired	W,Y,G,O/B	**105.00**

T3 Pro Non-Programmable Thermostats

Honeywell Home

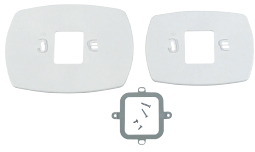
- Intuitive non-programmable thermostat has an easy-to-read digital display with up and down vertical buttons
- Horizontal, rectangular design makes it ideal for covering up old thermostat wall marks
- 5-year warranty when professionally installed
- UWP mounting plate for easy upgrades



Order #	Mfg. #	System Application	Stages Heat/Cool	Terminal Designations	Color	Each
L50-848	TH3110U2008/U	Conventional/Heat Pump	1/1 Heat Pump or 1/1 Conventional	RC, R, C, W, O/B, Y, G, K	White	**75.00**
L50-849	TH3210U2004/U	Conventional/Heat Pump with Aux Heat	2/1 Heat Pump or 1/1 Conventional	RC, R, C, W, O/B, Y, G, E, AUX, K	White	**129.00**

FocusPRO® and PRO Thermostat Accessories

Honeywell Home



Order #	Mfg. #	Color	Description	Each
L40-439	50001137-001	White	Small/Medium Cover Plate Assembly (FocusPRO TH5110)	**42.99**
L40-440	50002883-001	White	Medium/Large Cover Plate Assembly (FocusPRO 6000, 5000; PRO 4000, 3000)	**39.99**
L40-733	50007297-001	White	12-Pack of Small Cover Plates (TH5110 Series)	**195.00**
L40-734	50007298-001	White	12-Pack of Medium Cover Plates (TH3000, TH4000, TH5000 & TH6000 Series)	**195.00**

E1 Pro Non-Programmable Thermostat

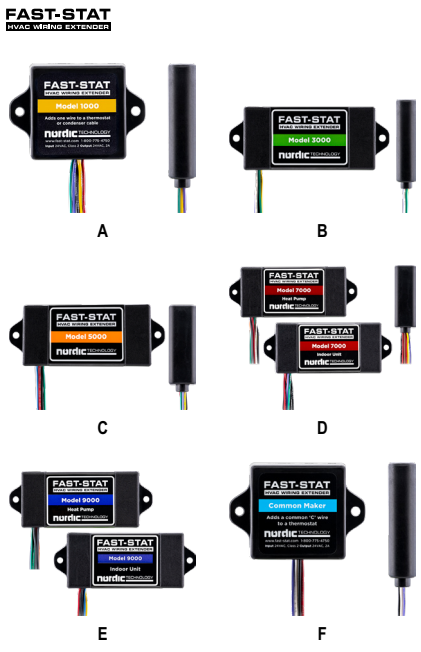
Honeywell Home

- Large, back-lit display
- For conventional systems and heat pumps with no auxiliary heat



Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Color	Each
L50-842	TH1110E1000/U	24 Vac systems, single stage heat + cool systems. Gas, Oil, Electric, or Steam / Gravity Systems. Single stage heat pumps without aux heat.	1/1	Battery or Hardwired	White	**75.00**

Fast-Stat Wiring Extenders

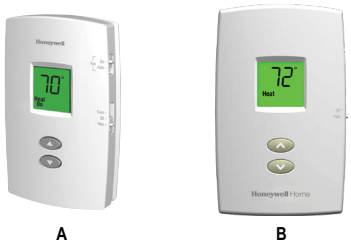


A B C D E F

- Upgrade or add equipment without pulling new thermostat or condenser cables
- Reliable wired (not wireless) system operates over existing thermostat or condenser cables — no programming or batteries required
- **L41-963** provides 2 functions over 1-wire, can be used anywhere an extra wire is needed; convert from single-stage A/C to 2-stage A/C when transformer is added at the outdoor unit (provides R,C, Y1, and Y2 with a 2-wire condenser cable)
- **L41-964** provides 3 functions over 1-wire, used to add A/C to a heating system, many other uses as well
- **L41-965** provides up to 5 functions over 1-wire, used to add wiring between a thermostat and indoor unit
- **L41-966** is designed for A/C to heat pump conversions; it is a 3-part kit that adds wiring from the thermostat to the indoor and outdoor units; it has a built-in fossil fuel kit (optional use)
- **L45-135** is a 2-part kit used to add wiring between the indoor and outdoor units when converting to a heat pump; it has a built-in fossil fuel kit (optional use)

Fig.	Order #	Mfg. #	Description	Each
A	**L41-963**	1000	Two Functions Over 1-Wire	**115.00**
B	**L41-964**	3000	Three Functions Over 1-Wire	**235.00**
C	**L41-965**	5000	Five Functions Over 1-Wire	**289.00**
D	**L41-966**	7000	3-Part Heat Pump Conversion Kit	**329.00**
E	**L45-135**	9000	2-Part Heat Pump Conversion Kit	**315.00**
F	**L48-995**	CM2000	Adds a Common wire ("C") for Wi-Fi thermostats	**115.00**

PRO 1000 Non-Programmable Thermostats



A B

- Backlit display
- Dual powered
- Private-label eligible

Specifications:
- Electrical rating: 20 to 30VAC or 750mV
- Temperature range: 40°F to 90°F (heat); 50°F to 99°F (cool), **L45-011** and **L46-207** selectable 40°F to 90°F or 35°F to 90°F heat
- Dimensions: **L41-709** and **L45-011** are 2-7/8" W x 4-11/16" H x 1-1/8" D; **L46-207** and **L46-208** are 4-10/16" W x 3-7/16" H x 1-3/16" D

Fig.	Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Description	Each
A	**L41-709**	TH1110DV1009	Heat/Cool/Heat Pump	1/1	Hardwired or Battery	R, C, Y, G, W, O/B	White	Vertical	**95.00**
A	**L45-011**	TH1100DV1000	Heat Only	1/0	Hardwired or Battery	R, C, W	White	Vertical	**89.00**
B	**L46-207**	TH1100DH1004	Heat Only	1/0	Hardwired or Battery	R, C, W	White	Horizontal	**89.00**
B	**L46-208**	TH1110DH1003	Heat/Cool	1/1	Hardwired or Battery	R, Rc, C, W, O, B, Y, G	White	Horizontal	**95.00**

Emerson 80 Series™ Non-Programmable Thermostats



A B

- Backlit display
- Dual fuel control without outdoor sensor on all staging models
- Advanced features include early start, keypad lockout & temperature limits on all models

Fig.	Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Each
A	**L48-019**	1F85U-42NP	Universal	4/2	Hardwired or Battery	RC, RH, C, W/E, W2, Y, Y2, O/B/6, G, L	White	**169.00**
A	**L48-021**	1F85U-22NP	Universal	2/2	Hardwired or Battery	RC, RH, C, W/E, W2, Y, Y2, O/B/6, G, L	White	**149.00**
B	**L48-023**	1F83H-21NP	Heat Pump	2/1	Hardwired or Battery	R, C, W2, E, Y, O/B, G, L	White	**119.00**
B	**L48-025**	1F83C-11NP	Conventional	1/1	Hardwired or Battery	RC, RH, C, W, Y, O/B, G	White	**105.00**

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White-Rodgers 70 Series™ Thermostats

WHITE-RODGERS

- Backlit display
- Millivolt compatible
- Programmable and non-programmable models
- Fossil fuel or electric heat compatible

Specifications:
- Electrical rating: mV to 30VAC
- Temperature range: 45°F to 99°F



A



B

Fig.	Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Volts	System Switching	Dimensions L x W x H	Description	Wt. Lbs.	Each
Programmable													
A	**L51-025**	1F75H-21PR	Heat/Cool/ Heat Pump	Heat Pump 2H/1C	Power-Battery or Hardwired	R,C,W2,E,Y,O/B,G	White	24	Heat-Off-Cool-Aux	6x1.125x3.75	Programming: 7 Day, 5+2 Day or Non-Prog Digital Thermostat	0.69	**119.00**
A	**L51-026**	1F75C-11PR	Conventional/ Heat Pump	Single 1H/1C , Heat Pump 1H/1C	Power-Battery or Hardwired	RC,RH,C,W,Y,O/B,G	White	24 or MVs	Heat-Off-Cool	6x1.125x3.75	Programming: 7 Day, 5+2 Day or Non-Prog Digital Thermostat	0.7	**95.00**
Non-Programmable													
B	**L51-023**	1F75H-21NP	Heat/Cool/ Heat Pump	Heat Pump 2H/1C	Power-Battery or Hardwired	R,C,W2,E,Y,O/B,G	White	24	Heat-Off-Cool-Aux	6x1.125x3.75	Non-Prog Digital Thermostat	0.71	**105.00**
B	**L51-024**	1F75C-11NP	Conventional/ Heat Pump	Single 1H/1C, Heat Pump 1H/1C	Dual Power	RC,RH,C,W,Y,O/B,G	White	24 or MVs	Heat-Off-Cool	6x1.125x3.75	Non-Prog Digital Thermostat	0.69	**79.00**

70 Series™ PTAC Thermostats

WHITE-RODGERS

- Programmable or non-programmable versions
- 3.0" backlit display
- PTAC (2h/1c)
- 24 volts



Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Volts	System Switching	Dimensions L x W x H	Description	Wt. Lbs.	Each
Non-Programmable												
L51-710	1F75P-21NP	Heat PumpSingle-StagePTAC (Packaged Terminal Air Conditioners & Heaters)	Heat Pump 2H/1C	Hardwired or Battery	R,C,Y,W,GL,GH,O/B	White	24	Heat-Off-Cool-Aux	6x1.125x3.75	Non-Programmable for PTAC	0.69	**119.00**
Programmable												
L51-711	1F75P-21PR	Heat Pump Single-Stage PTAC (Packaged Terminal Air Conditioners & Heaters)	Heat Pump 2H/1C	Hardwired or Battery	R,C,Y,W,GL,GH,O/B	White	24	Heat-Off-Cool-Aux	6x1.125x3.75	Programmable for PTAC	0.7	**129.00**

80 Series™ Non-Programmable Thermostat

WHITE-RODGERS

- Millivolt compatible
- Lighted display for easier low-light viewing
- Permanent program retention during power loss
- Soft-touch keypad

Specifications:
- Electrical rating: mV to 30VAC
- Temperature range: 45°F to 90°F



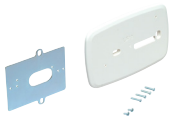
Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Each
L38-348	1F86-344	Heat/Cool	1/1	Hardwired or Battery	Rc, Rh, W, Y, G, O, B	White	**115.00**

WHITE-RODGERS

Room Thermostat Parts and Accessories


A


B


C


D

Fig.	Order #	Mfg. #	Color	Description	For Use With	Each
A	**L47-842**	F61-2663	White	Wallplate for Sensi Wi-Fi Thermostat	1F95U-42WF	**15.49**
—	**L44-729**	F61-2600	—	Wallplate For 90 Series Blue Touchscreen Thermostats	For Use With Or Without Horizontal Junction Box	**26.99**
—	**L44-730**	F61-2634	—	Wallplate For 90 and 80 Series Blue Thermostats	For Use With or Without Horizontal Junction Box	**13.99**
B	**L44-731**	F61-2500	—	Wallplate For All 1F80 Series Thermostats (Except Blue Models)	Includes Adapter Plate For Mounting To Horizontal Or Vertical Junction Box	**19.49**
C	**L44-732**	F61-2510	—	Wallplate For All 1F70 Series Thermostats	Includes Adapter Plate For Mounting To Horizontal Or Vertical Junction Box	**21.49**
D	**L44-864**	F61-2550	—	Wallplate For All 1F70 Series Thermostats	Does not Include Adapter Plate For Mounting To Horizontal Or Vertical Junction Box	**8.85**

PRO

Pro-1 Non-Programmable Thermostats

- Separate heating and cooling swing (cycle rate) adjustments
- Easy access battery compartment


A


B


C

Fig.	Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Description	Each
A	**L45-101**	T701	Gas/Electric or Oil/Heat Pump	1/1	Hardwired or Battery	Rh, Rc, C, Y, W, G, B, O	4" Blue Display	**95.00**
B	**L45-104**	T721	Heat Pump	2/1	Hardwired or Battery	R, C, Y, W2, E, G, B, O	4" Blue Display	**129.00**
C	**L45-106**	T771	Gas/Electric or Oil	1/0 or 0/1	Hardwired or Battery	R, C, W/Y, G	4" Blue Display	**89.00**

PRO

Pro-1 Wireless PTAC Thermostats

- 7 sq. inch display
- Improved blue back light
- Glow in the dark light button
- Adjustable setpoint limits
- Separate heating and cooling swing (cycle rate) adjustments
- Simple private label badge system
- Easy wire color coded terminal blocks
- Universal sub-base, mounts on wall or junction box
- Battery or 24V power
- 5-year warranty


A


B

Fig.	Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Description	Each
A	**L49-500**	T731W	PTAC Conventional/ Heat pump	2/1	Hardwired or Battery	R, C, Y, W, GH, GL, O/B	—	**285.00**
B	**L50-993**	T731WO	PTAC Conventional/Heat Pump (With Occupancy Sensing)	2/1	Hardwired or Battery	R, C, Y, W, O, B, GH, GL	7" Blue Display	**349.00**

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The Round® Mercury-Free Thermostats

Honeywell Home

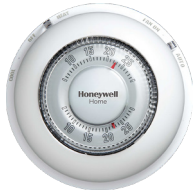
- Mercury-free electronic switch
- Manual changeover
- **L41-489** has an enlarged scale and raised numbers for easy viewing and setting

Specifications:
- Electrical rating: 20 to 30VAC
- Temperature range: 40°F to 90°F
- Dimensions: 3-11/16" diameter x 1-3/4" D

Warning: This product contains lithium batteries and cannot be shipped by air



A



B

Hazardous Material Shipping Alert

Fig.	Order #	Mfg. #	System Application	Stages Heat/Cool	Terminal Designations	Color	Each
A	**L41-487**	T87K1007	Heat Only	1/0	R, W, Y	White	**125.00**
A	**L41-488**	T87N1000	Heat/Cool	1/1	R, Rc, W, Y, G, O, B	White	**179.00**
B	**L41-489**	T87N1026	Heat/Cool	1/1	R, Rc, W, Y, G, O, B	White	**245.00**

Honeywell Home Mechanical Thermostats

Honeywell Home

- Mercury-free snap-acting bimetal switch
- No leveling required
- **L41-495** is for millivolt applications
- **L41-491** and **L41-495** have positive off

Specifications:
- Electrical rating: 750mV (**L41-495**), 18 to 30VAC (all others)
- Temperature range: 45°F to 90°F
- Dimensions: 3-1/8" W x 3-1/8" H x 7/8" D



A



B

Fig.	Order #	Mfg. #	System Application	Stages Heat/Cool	Terminal Designations	Color	Each
A	**L41-490**	T812A1002	Heat Only	1/0	R, W	White	**55.00**
A	**L41-491**	T812A1010	Heat Only	1/0	R, W	White	**59.00**
B	**L41-494**	T812C1000	Heat/Cool	1/1	R, W, Y, G	White	**69.00**
A	**L41-495**	TS812A1007	Heat Only	1/0	R, W	White	**65.00**

Honeywell Home Heat Only Garage Thermostat

Honeywell Home

- Extended cold temperature range: 35º to 85ºF
- Vertical mounting orientation
- 1 heat stage only
- Mercury-free
- Positive off



Order #	Mfg. #	Stages Heat/Cool	Terminal Designations	Color	Switch Action	Each
L44-846	T822K1042	1/0	R, W	White	SPST	**115.00**

White-Rodgers Heating Only Thermostat

WHITE-RODGERS

- Mercury-free snap action contacts
- Replaces 12VDC and 24VAC heating thermostats

Specifications:
- Electrical rating: 30VAC maximum
- Temperature range: 50°F to 90°F
- Heat anticipator: 0.15 to 1.2A adjustable
- Dimensions: 2-7/8" W x 3-3/4" H x 1-1/2" D



Order #	Mfg. #	System Application	Stages Heat/Cool	Terminal Designations	Color	Each
L39-043	1C20-102	Heat Only	1/0	R, W	White	**43.49**

White-Rodgers Heating Only Thermostat

WHITE-RODGERS

- Mercury-free snap action contacts
- 24VAC

Specifications:
- Electrical rating: 30VAC maximum
- Temperature range: 50°F to 90°F



Order #	Mfg. #	System Application	Stages Heat/Cool	Terminal Designations	Color	Each
L43-727	1E30N-910	Heat Only	1/0	4, R5	White	**109.00**

WHITE-RODGERS

White-Rodgers Heating/Cooling Thermostats


A


B

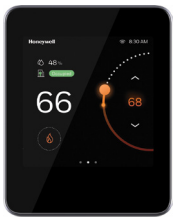
- Test probe holes and front terminal lettering to aid checkout and service work
- Mercury-free snap action contacts

Specifications:
- Electrical rating: 30VAC maximum
- Temperature range: 50°F to 90°F
- Heat anticipator: 0.15 to 1.2A adjustable

Fig.	Order #	Mfg. #	System Application	Stages Heat/Cool	Terminal Designations	Color	Each
A	**L43-728**	1E56N-444	Heat/Cool	1/1	Rc, Rh, W, Y, G, O, B, A	White	**105.00**
B	**L43-729**	1F56N-444	Heat/Cool	1/1	Rc, Rh, W, Y, G, O, B, A	White	**95.00**

Honeywell

Wi-Fi Connected Commercial Thermostat


A


B

- Advanced, configurable, connected device for commercial buildings
- Controls and monitors Rooftop Unit and Heat Pump equipment
- Communicates over Wi-Fi, Bluetooth, Sylk and easily integrates with the building automation system
- Color touch screen interface
- Scheduling flexibility

Fig.	Order #	Mfg. #	Volts	Each
A	**L50-998**	TC500A-N	24VAC	**925.00**
B	**L50-999**	DECOPLATE-N	—	**89.00**

Honeywell Home

Prestige IAQ Kits and Thermostats


A


B


C

- Works in Residential and Light Commercial applications
- 60% smaller than original Prestige
- Connects to the Internet to provide remote access from PC, smart phone or tablet using **L46-108** Honeywell's RedLINK Internet Gateway (RIG)
- Three assignable outputs for Indoor Air Quality and staging control
- Customizable service reminders
- 2-Wire installation with Equipment Interface Module
- Delta T Alerts and Diagnostics inform users when the system is not operating as expected
- USB port allows downloading of installer settings to quickly and consistently perform setup of thermostats in similar applications
- RedLINK enabled to communicate with optional RedLINK Internet Gateway, Wireless Outdoor Sensor, Wireless Indoor Sensor, Portable Comfort Control, Exit/Entry Remote and Vent and Filter Boost Remote
- Thermostats date code of 1546 or newer are compatible with **L48-822** Equipment Remote Module

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Fig.	Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Description	Each
A	**L46-671**	YTHX9421R5085WW	Gas, Oil, Electric, Heat Pump, Forced Warm Air, Hot Water, Steam or Gravity	Up to 4/2 Heat Pump or up to 3/2 Conventional	Hardwired	C, R, RC, RH, W-O/B, W2-AUX1, W3-AUX2, Y, Y2, G, A-L/A, U1, U1, U2, U2, U3, U3, S1, S1, S2, S2, S3, S3, S4, S4, A, B, C, D	White	Prestige IAQ, Equipment Interface Module, 2 Duct Sensors	**929.00**
A	**L46-675**	YTHX9421R5101WW	Gas, Oil, Electric, Heat Pump, Forced Warm Air, Hot Water, Steam or Gravity	Up to 4/2 Heat Pump or up to 3/2 Conventional	Hardwired	C, R, RC, RH, W-O/B, W2-AUX1, W3-AUX2, Y, Y2, G, A-L/A, U1, U1, U2, U2, U3, U3, S1, S1, S2, S2, S3, S3, S4, S4, A, B, C, D	White	Prestige IAQ, Equipment Interface Module, Wireless Outdoor Air Sensor, 2 Duct Sensors	**1099.00**
A	**L46-679**	THX9421R5021WW	Gas, Oil, Electric, Heat Pump, Forced Warm Air, Hot Water, Steam or Gravity	Up to 4/2 Heat Pump or up to 3/2 Conventional	Hardwired	R, C then RedLINK to Equipment Interface Module	White	Prestige IAQ HD Thermostat (replacement, needs Equipment Interface Module to work)	**829.00**
B	**L47-613**	YTHX9421R5127WW	Gas, Oil, Electric, Heat Pump, Forced Warm Air, Hot Water, Steam or Gravity	Up to 4/2 Heat Pump or up to 3/2 Conventional	Hardwired	R, RC, RH, W-O/B, W2-AUX1, W3-AUX2, Y, Y2, G, A-L/A, U1, U1, U2, U2, U3, U3, S1, S1, S2, S2, S3, S3, S4, S4, A, B, C, D	White	Prestige 2-Wire IAQ Kit with prestige IAQ Thermostat and RedLINK Internet Gateway	**969.00**
C	**L50-504**	YTHX9421R7001WW/U	Gas, Oil, Electric, Heat Pump, Forced Warm Air, Hot Water, Steam or Gravity	Up to 4/2 Heat Pump or up to 3/2 Conventional	Hardwired	R, RC, RH, C, W-O/B, W2-AUX1, W3-AUX2, Y, Y2, G, A-L/A, U1, U1, U2, U2, U3, U3, S1, S1, S2, S2, S3, S3, S4, S4, A, B, C, D	White	Prestige 2-Wire IAQ, Equipment Interface Module, RedLINK Internet Gateway, Wireless Outdoor Sensor, Wireless Indoor Sensor, 2 Duct Sensors	**1199.00**

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CommercialPRO® 7000 Programmable Thermostat

Honeywell Home

- 7-day programming with two occupied and two unoccupied periods per day
- Large backlit display
- Auto or manual changeover
- Easy-to-use menu driven programming
- Title 24 commercial code compliant with override button control and pre-occupancy purge
- Commercialized control algorithm for accurate control

Specifications:
- Electrical rating: 20 to 30VAC
- Temperature range: 40°F to 90°F (heat); 50°F to 99°F (cool)
- Dimensions: 6" W X 3 3/4" H X 1 3/8" D

Warning: This product contains lithium batteries and cannot be shipped by air



Hazardous Material Shipping Alert

Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	Each
L40-841	TB7220U1012	Heat/Cool/Heat Pump	Up to 3/2 Heat Pump; Up to 2/2 Conventional	Hardwired or Battery	Rc, R, C, W(O/B), W2 (W1), Y, Y2, A, G, S1, S2	White	**715.00**

SuitePRO™ Digital Fan Coil Thermostats

Honeywell

- Digital display of ambient temperature, setpoint, mode icons when cooling or heating relays operate, when energy savings mode is active and fan status
- Four buttons allow manual control of system operation, fan speed and temperature setpoint adjustment
- VersaSpeed™ fan ramp algorithm automatically adjusts low, medium, high fan speed
- Optional freeze protection feature that turns on heat, if necessary
- Activity sensing algorithm sets back thermostat to economy mode
- Energy savings mode — external energy savings input from dry contact such as time switch, occupancy sensor or hotel cardkey overrides comfort setpoint with selectable setback heating or cooling setpoints
- Proportional plus integral (P+I) control algorithm for precision temperature regulation
- Optional remote temperature sensor

Specifications:
- Electrical rating: 24VAC rating: fan: 1.0A, relay: 1.0A; 120VAC rating: fan: 6.0A, relay: 1.0A; 240VAC rating: fan: 3.0A, relay: 1.0A Temperature range: 50°F to 90°F Dimensions: 5-13/16" W x 3-13/16 "H x 1-1/8" D



Order #	Mfg. #	Color	Volts	System Application	Each
L44-378	TB6575A1000	White	120/240	2 or 4 Pipe Fan Coil, Heat/Cool Manual/Auto Changeover, 3-Speed Fan	**359.00**
L44-379	TB6575B1000	White	120/240	2 Pipe Fan Coil, Heat/Cool Manual/Auto Changeover, 3-Speed Fan	**375.00**
L44-380	TB8575A1000	White	24	2 or 4 Pipe Fan Coil, Heat/Cool Manual/Auto Changeover, 3-Speed Fan	**359.00**

Commercial ZonePRO Modulating Thermostats

Honeywell

- Modulating (TB6980), floating (TB7980) or standalone control for VAV zones
- Can be used in any application requiring floating or analog control of an actuator
- Energy saving features include night setback input, range stop temperature limits and timed occupancy override
- Range stop temperature limits for setting maximum and minimum setpoints
- Timed occupancy override (2 hours)
- Single and multi-output models available

Specifications:
- Power supply: 24V
- Auto changeover deadband: 9ºF
- Temperature range: 50º F to 95º F
- Dimensions: 2.7" W x 4.6" H x 1" D



Order #	Mfg. #	System Application	Power Method	Color	Output Signal	Each
L41-702	TB6980A1007	Heat/Cool Zone control	Hardwired	White	Floating	**519.00**
L41-703	TB6980B1006	Heat/Cool Zone control	Hardwired	White	Floating plus Analog and Triac output	**639.00**
L41-704	TB7980A1006	Heat/Cool Zone control	Hardwired	White	Analog	**595.00**
L41-705	TB7980B1005	Heat/Cool Zone control	Hardwired	White	Analog plus Additional Analog and Triac	**775.00**

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Honeywell

Commercial Thermostat Accessories

Order #	Mfg. #	Color	Description	For Use With	Each
L41-706	50014156-002	White	Remote Room Sensor	Commercial ZonePRO Thermostats	**195.00**
L41-707	50014157-001	—	Duct Temperature Sensor	Commercial ZonePRO Thermostats	**165.00**
L44-381	50033847-001	—	SuitePRO Adapter Plate	TB6575/TB8575 Series	**65.00**
L44-349	C7041B2005	—	6" Duct Discharge Air Sensor	Prestige, RedLINK VisionPRO, CommercialPRO, Commercial VisionPRO, T7351F2010, Multi- PRO, SuitePRO	**65.00**
L44-350	C7041B2013	—	12" Duct Discharge Air Sensor	Prestige, RedLINK VisionPRO, CommercialPRO, Commercial VisionPRO, T7351F2010, Multi- PRO, SuitePRO	**75.00**
L81-486	C7041C2003	—	Duct, 20k Ohm, NTC Temperature Sensor	—	**79.00**
L47-298	C7041D2001	—	5" Immersion Sensor for Hot or Chilled Water, Purchase Well 50001774-001 Separately	—	**69.00**
L44-387	C7772A1012	—	20k Ohm NTC Non-Linear Wall Flush Mount Temperature Sensor	Prestige, RedLINK VisionPRO, CommercialPRO, Commercial VisionPRO, T7351F2010, Multi-PRO, SuitePRO	**89.00**
L44-352	H7625A2010	—	2% RH Accuracy Humidity Transmitter Wall Mount	H775, T775 Series 2000	**785.00**
L81-487	H7635B2018	—	Duct Mount Temperature and Humidity Transmitter. 20k Ohm Temperature Sensor	—	**609.00**
L44-358	H7655B2014	—	5% Humidity Transmitter, Duct Mount	H775, T775 Series 2000	**625.00**
L44-365	TR21	—	Indoor Sensor. 20k	Prestige, RedLINK VisionPRO, CommercialPRO, Commercial VisionPRO, T7351F2010, MultiPRO, SuitePRO	**75.00**
L44-366	TR21-A	—	Indoor Sensor for Averaging Only. 10k	Prestige, RedLINK VisionPRO, CommercialPRO, Commercial VisionPRO, T7351F2010, MultiPRO, SuitePRO	**89.00**
L46-717	TR21-WK	—	Wireless Wall Sensor Kit, Includes TR21-WS and WRECVR	—	**849.00**
L46-733	TR21-WKU	—	Wireless Wall Sensor Kit, Includes TR21-WSU and WRECVRU	—	**869.00**
L46-737	TR23-WK	—	Wireless Wall Sensor Kit, Includes TR23-WS and WRECVR	—	**945.00**
L47-293	TR23-WKU	—	Wireless Wall Sensor Kit, Includes TR23-WSU and RECVRU	—	**825.00**
L46-694	TR29	—	Enclosure Without Sensor	—	**175.00**
L49-981	TR40	—	Sensor Wall Module, Temperature only	—	**135.00**
L50-020	TR40-CO2	—	Sensor Wall Module, Temperature and CO2	—	**845.00**
L50-033	TR40-H	—	Sensor Wall Module, Temperature and Humidity	—	**535.00**
L50-034	TR40-H-CO2	—	Sensor Wall Module, Temperature, Humidity and CO2	—	**859.00**

Honeywell Home

EConnect™ Comfort Control Systems



A



B

- Wireless programmable/non-programmable line volt thermostat kit with RedLINK
- Convenient wireless control from the floor to the wall
- Compatible with baseboards, convectors and fan-forced heaters
- One thermostats controls up to eight baseboards in a room
- Works with RedLINK Internet Gateway, Portable Comfort Control and Wireless Outdoor Air Sensor

Applications:

- System application: Electric, baseboard, convector or fan-forced heater
- Temp. Range: 32°F - 122°F
- Differential temp: 1°F
- Volts: 100 to 240VAC
- Color: white

Fig.	Order #	Mfg. #	Switch Action	Includes	For Use With	Each
A	**L46-228**	YTL9160AR1000	SPST	Wireless EConnect (TL9160AR1002) Thermostat and Electrical Heat Equipment Interface Module (TLM1110R1000)	Redlink Accessories	**685.00**
B	**L46-229**	TLM1110R1000	SPST	Electric Heat Equipment Interface Module	YTL9160AR1000 EConnect Thermostat Kit	**425.00**

Honeywell Home

LinevoltPRO™ Thermostats



A



B

- Provides line voltage control of electric heating equipment
- Soundproofed relays for quiet operation
- 15-minute heating cycles
- Includes backlit display and positive off switch
- No batteries required

Specifications:

- Temperature range: 32°F to 122°F
- Electrical ratings (resistive): 15A @ 208/240VAC
- Dimensions: 2-3/4" W x 4-7/8" H x 7/8" D

Fig.	Order #	Mfg. #	Switch Action	Color	Description	Each
A	**L40-731**	TL7235A1003	DPST	White	Non-Programmable	**175.00**
B	**L40-732**	TL8230A1003	DPST	White	7 Day Programmable	**229.00**

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Honeywell Home Line Voltage Thermostats

Honeywell Home

- Electric baseboards, convectors and fan forced heaters (resistive rated loads)
- 6" lead wire for ease of wiring
- Mounts on standard 2" x 4" outlet box or 4" x 4" junction box
- Provides single or double line break
- Brush gold finish

Specifications:
- Temperature range: 40°F to 80°F with 3°F fixed differential
- Electrical ratings (resistive): 22A @ 120/208/240VAC; 19A @ 277VAC

Fig.	Order #	Mfg. #	Switch Action	Thermometer	Includes	Each
A	**L36-914**	T498A1810	SPST Open on Rise	No	—	**105.00**
B	**L36-913**	T498A1778	SPST Open on Rise	Yes	Range Stops, Locking Cover and Extra Knob Decal for Recalibration	**125.00**
A	**L37-428**	T498B1553	DPST Open on Rise	No	Positive OFF	**129.00**
B	**L37-427**	T498B1512	DPST Open on Rise	Yes	Positive OFF, Range Stops, Locking Cover and Extra Knob Decal for Recalibration	**149.00**



A



B

Line Voltage Thermostats

Honeywell Home

- Provides reliable line voltage control of resistive rated electric heating equipment
- Snap-action switch makes heating circuit on temperature fall
- Replaces virtually any two-wire (**L39-736**) or four-wire (**L39-737**) line voltage wall-mounted electric heating thermostat

Specifications:
- Temperature range: 40°F to 80°F
- Electrical ratings (resistive): 22A at 120/208/240VAC; 19A at 277VAC
- Dimensions: 2-3/4" W x 4-1/2" H x 2-1/4" D

Order #	Mfg. #	Switch Action	Color	Each
L39-736	T410A1013	SPST	Premier White	**59.00**
L39-737	T410B1004	DPST	White	**69.00**



Line Voltage Thermostats

Honeywell Home

- Provides precise line voltage control of resistive-rated electric heating equipment including fan-forced and baseboard electric heaters
- Mounts directly on vertical 2" x 4" outlet box, or on 4" x 4" box
- **L39-739** includes positive off

Specifications:
- Temperature range: 50°F to 80°F with 2°F differential
- Electrical ratings (resistive): 22A 120/208/240VAC; 19A 277VAC
- Dimensions: 4-1/2" H x 2-7/8" W x 2-5/8" D

Order #	Mfg. #	Switch Action	Color	Each
L39-738	T4398A1021	SPST	Premier White	**105.00**
L39-739	T4398B1029	DPST	Premier White	**125.00**



Hazardous Material Shipping Alert

Heavy-Duty Line Voltage Thermostat

Honeywell

- Used for direct control of fan coils, fans, motor starters, valves, contactors and circulators in heating and/or cooling systems
- Removable setpoint knob locks setpoint and prevents tampering
- Locking cover

Specifications:
- Temperature range: 46°F to 84°F
- Electrical ratings: 120-240VAC; 50/60 Hz

Order #	Mfg. #	Switch Action	Each
L40-054	T6052A1015	SPDT	**1045.00**



Medium-Duty Line Voltage Thermostat

Honeywell

- Provides line voltage control of valves, motors, contactors, electric heat elements, duct furnaces and fan coil units
- Mounts on standard vertical or horizontal outlet box
- Automatic cooling and heating anticipation
- Includes thermometer, range stops, locking cover screws, wall plate and horizontal scaleplate without thermometer
- Switch breaks heating and makes cooling on temperature rise

Specifications:
- Temperature range: 44°F to 86°F
- Electrical ratings (resistive): 22A @ 120 to 240VAC; 19A @ 277VAC
- Dimensions: 2-15/16" W x 4-1/2" H x 1-1/2" D

Order #	Mfg. #	Switch Action	Color	Each
L40-752	T651A3018	SPDT - Breaks Heating and Makes Cooling on Temperature Rise	Champagne Gold Face-Plate with Beige Cover	**479.00**



Honeywell Home



Multi-Application 7 Day Programmable Thermostat

- Controls a single low volt circulator relay, line volt circulator or low or line volt zone valve
- Features pump protection to prevent seizures and reduce callbacks
- Controls millivolt systems, gas, oil and electric systems
- Central heating (conventional); baseboards; convectors; fan-forced heaters; radiant ceilings
- Temperature range 40°F to 85°F

Order #	Mfg. #	Color	Description	Each
L45-012	TL8100A1008	White	Relay Switch Type	**229.00**

resideo



Low Volt Electronic Thermostat

- For electric (ambient) heating and floor heating
- Advanced temperature control ensures total comfort by minimizing temperature swings
- ON/STANDBY switch enables thermostat shutdown at the end of heating season for added security
- On-screen heating power indicator gives at-a-glance verification of power being used
- Backlit display
- Battery-free

Order #	Mfg. #	Switch Action	Color	Each
L45-646	TH114-AF-024T	SPST	White	**295.00**

Honeywell



Utility Line Voltage Thermostat

- Provides SPDT heavy-duty, line voltage temperature control in farm, industrial or commercial applications
- Wall or duct mount in any position
- Fast response, tin-plated element not affected by adverse environment
- Mounts on flat surface with three screws
- Maximum operating temperature: 125°F
- Dimensions: 7-1/4" H x 2-5/8" W x 2" D

Order #	Mfg. #	Switch Action	Temp. Range	Diff.	Each
L40-055	T6054A1005	SPDT	–30°F to +110°F	3.5°F, Fixed	**589.00**

Electrical Ratings

	120V	240V
Full Load	7.4A	3.7A
Locked Rotor	44.4A	22.2A

	120V	240V
Resistive	10.0A	5.0A

TPI Corporation



A



B

Line Voltage Thermostats

- Snap action bimetal switch
- Convenient snap-off cover with comfort zone indicator
- Temperature range: 50°F to 90°F
- Electrical ratings: 22A, 125/208/240/277VAC
- **L37-725** has thermometer on face plate

Fig.	Order #	Mfg. #	Switch Action	Color	Height	Width	Depth
A	**L37-495**	S2022H10AB	SPST	Ivory	4-1/2"	2-1/2"	1"
A	**L37-496**	D2022H10BB	DPST	Ivory	4-1/2"	2-1/2"	1"
A	**L37-840**	S2022H10AA	SPST	White	4-1/2"	2-1/2"	1"
A	**L37-841**	D2022H10BA	DPST	White	4-1/2"	2-1/2"	1"
B	**L37-725**	ETD9STS	SPDT	White	4-3/4"	2-3/4"	1"

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Mechanical Temperature Controls

PECO

- Rugged temperature regulating controls for single-stage and two-stage control of heating, ventilation, air conditioning and refrigeration equipment
- Weather and corrosion resistant design allows use in harsh environments, including water spray, high humidity and applications where external formation of ice occurs
- Complies with N.E.C. 547 and NEMA 4X requirements
- Available in local sensing and remote bulb models

Specifications:

- 120VAC – 16 FLA; 80 LRA; maximum resistive load 25A; maximum pilot duty 125VA
- 208VAC – 13.2 FLA; 66 LRA; maximum resistive load 25A; maximum pilot duty 125VA
- 240VAC – 12 FLA; 60 LRA; maximum resistive load 25A; maximum pilot duty 125VA
- 277VAC – 10 FLA; 50 LRA; maximum resistive load 22A; maximum pilot duty 125VA


A


B


C


D


E

Fig.	Order #	Mfg. #	Switch Action	Temp. Range	Diff.	Each
A	**L45-665**	TF115-001	SPDT	40°F to 110°F	Fixed 3F	**129.00**
B	**L45-666**	TF115-023	SPDT	-30°F to 110°F	Fixed 6F	**179.00**
C	**L45-667**	TH109-009	2-SPDT	40°F to 110°F	3°/stage	**249.00**

Fig.	Order #	Mfg. #	Switch Action	Temp. Range	Diff.	Each
D	**L45-668**	TRF115-005	SPDT	0°F to 120°F	Fixed 3F	**195.00**
E	**L45-669**	TRF115-007	SPDT	-30°F to 110°F	Fixed 6F	**195.00**

Thermostat Guards

Honeywell Home

- Patented, double-wall construction makes guard more tamper-resistant
- "Fail Safe" locking mechanism — key can be removed only when in locked position
- Mounts vertically or horizontally
- Vents in guard base allow airflow for optimum thermostat performance
- Includes opaque plastic wallplate, ring base, guard cover, tumbler lock, two keys and Honeywell stick-on logo
- Dimensions listed are inside dimensions



Order #	Mfg. #	Color	Height	Width	Depth	Each
L37-545	TG510A1001	Clear Plastic	4-7/16"	4-7/16"	2-1/4"	**95.00**
L37-548	TG511A1000	Clear Plastic	5-1/16"	6-1/16"	2-5/8"	**95.00**
L37-925	TG511D1004	Beige Steel	5-1/16"	6-1/16"	2-5/8"	**269.00**
L37-551	TG512A1009	Clear Plastic	5-7/8"	8-3/8"	3"	**99.00**
L37-926	TG512D1003	Beige Steel	5-7/8"	8-3/8"	3"	**285.00**
L40-742	191990A	Replacement Keys (Set of 2)	—	—	—	**31.99**

Thermostat Guards

mars

- Provides complete enclosure protection
- Air circulating ports on all sides to ensure proper thermostat operation
- Single key can be used on all guards

Note: L36-655, **L36-858**, **L39-603** and **L37-374** are constructed of high-impact plastic with metal locks; add 1/4" to depth dimension when using ring base. **L36-961** (Ring Base), **L36-654** (Solid Base) and **L39-604** (Solid Base) are constructed of 8/22 gauge steel for rugged applications. **L49-584** is keyless and uses a combination lock with changeable code.


A

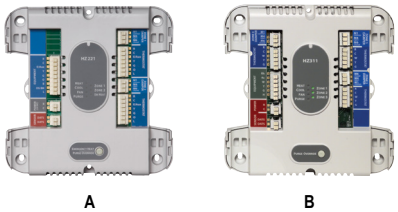

B


C

Fig.	Order #	Mfg. #	Color	Height	Width	Depth	Each
A	**L36-655**	70210	Clear Plastic	3-1/2"	6-3/8"	3"	**35.99**
A	**L36-858**	70220	Clear Plastic	5-3/8"	8-1/4"	3-1/2"	**65.00**
A	**L39-603**	70205	Clear Plastic	4-5/8"	5-1/4"	3-1/4"	**37.49**
A	**L37-374**	70217	Clear Plastic	4-1/4"	7-5/8"	2-1/8"	**42.49**
B	**L36-961**	70216	Beige Steel	5"	6-1/2"	3"	**65.00**
B	**L36-654**	70215	Beige Steel	5"	6-1/2"	3"	**65.00**
B	**L39-604**	70223	Beige Steel	5-3/8"	7-1/4"	3-1/2"	**69.00**
—	**L40-346**	70236	Replacement Key	4/5"	1-1/15"	1/8"	**19.49**
C	**L49-584**	70249	Clear Plastic, Keyless	6"	9-1/8"	2-1/4"	**95.00**

Honeywell Home

TrueZONE Panels



- Variable-speed fan control reduces blower speed in cooling when one zone is calling
- Push-in terminal blocks, color-coded labels and flexible wire routing can cut installation time in half
- Smaller Footprint
- Volts: 24
- **L43-884** and **L43-885** have a digital display that guides the installer through setup and checkout
- **L43-885** is expandable up to 32 zones
- **L44-526** is heat pump compatible only
- **L44-527**, **L80-115**, **L80-116** and **L80-117** zoning kits include zoning panel, transformer and C7735A discharge air temperature sensor

Note: Pair **L43-885** with **L82-631** (TAZ-4H/U for systems where more than 4 zones are required

Fig.	Order #	Mfg. #	Description
A	**L44-526**	HZ221	2 Zone, 2H/1C Panel Used for Heat Pump with Auxiliary Heat Systems
B	**L43-883**	HZ311	3 Zone, 1H/1C Panel Used for Conventional Equipment
C	**L43-884**	HZ322	3 Zone, 2H/2C Panel Used for Conventional or Heat Pump Equipment
D	**L43-885**	HZ432	4 Zone, 3H/2C Panel Used for Conventional, Heat Pump or Dual Fuel Systems; Expandable up to 32 Zones with TAZ-4
A	**L44-527**	HZ221K	Includes (1) HZ211 Panel, (1) Transformer and (1) C7735A Discharge Air Temperature Sensor
B	**L80-115**	HZ311K	Includes (1) HZ311 Panel, (1) Transformer and (1) C7735A Discharge Air Temperature Sensor
C	**L80-116**	HZ322K	Includes (1) HZ322 Panel, (1) Transformer and (1) C7735A Discharge Air Temperature Sensor
D	**L80-117**	HZ432K	Includes (1) HZ432 Panel, (1) Transformer and (1) C7735A Discharge Air Temperature Sensor

Honeywell Home

Wireless Zoning Systems



- Powered by RedLINK™
- No interference with other wireless devices in the home
- Choose from programmable or non-programmable kits; kit includes: wireless adapter
- Allows for wireless zoning when used with HZ432 or HZ322 TrueZONE™ panels (sold separately)
- Adapter receives communication from all wireless devices
- Wireless FocusPRO® thermostat
- Same great features of the FocusPRO® thermostats — now wireless
- 1-year battery life
- Displays outdoor temperature and humidity (outdoor sensor sold separately)

Order #	Mfg. #	Description
L44-538	YTH6320R1023	Wireless FocusPRO 5-1-1 Programmable Thermostat w/Wireless Adapter (Compatible with RedLink-Enabled TrueZONE Panels)
L44-539	YTH5320R1025	Wireless FocusPRO Non-Programmable Thermostat w/Wireless Adapter (Compatible with RedLink-Enabled TrueZONE Panels)
L44-542	THM4000R1000	Wireless Adapter used to make TrueZone Panels & TrueSteam Humidifiers Redlink Enabled

Honeywell Home

Zone Control Panel



- Can be easily added to the control configuration, usually with no additional equipment necessary
- Use multiple TAZ-4 Control Panels to control up to 32 zones

Order #	Mfg. #	Description
L82-631	TAZ-4H/U	4-Zone Add-A-Zone Panel Used with HZ432

Honeywell Home

Zone Control System Accessories

Order #	Mfg. #	Description
L38-866	FPC	Freeze Protection Control
L38-708	C7735A1000	Discharge Air Temperature Sensor
L39-880	MSTN	Power Open, Power Close Damper Actuator
L39-896	SPC	Static Pressure Control
L41-524	SDCR	Slave Damper Control Relay

Order #	Mfg. #	Description
L41-526	ML6161B2024	Damper Actuator (MARD Dampers)
L41-527	AT140A1042	40VA Universal Mount Transformer
L48-038	M847D-ZONE	Replacement motor for ARD and ZD zone dampers
L48-039	M847D-VENT	Replacement motor for EARD ventilation damper

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Retrofit Round Dampers

Honeywell Home

- Designed for retrofit zoning systems, slides into existing ductwork
- Universal compatibility - powered on 24VAC circuit
- Easily expandable with 2.5VA actuator enabling up to 12 dampers on any Honeywell zone panel
- Easy Installation with visual position indicator, range stops and manual position adjustment



Order #	Mfg. #	Description
L87-232	RRD5	5" Retrofit Round Damper
L87-233	RRD6	6" Retrofit Round Damper
L87-234	RRD7	7" Retrofit Round Damper
L87-235	RRD8	8" Retrofit Round Damper

TrueZONE® Bypass Dampers

Honeywell Home

- Significantly cuts installation time by replacing the old weight system with a simple handle
- Installs at any orientation at any angle
- Provides constant pressure relief regardless of the blower speed
- 4 sizes meet the needs nearly all applications



Order #	Mfg. #	Description
L81-213	CPRD8	8" Round Constant Pressure Regulating Bypass Damper (Bypass up to 600 CFM)
L81-214	CPRD10	10" Round Constant Pressure Regulating Bypass Damper (Bypass up to 1000 CFM)
L81-215	CPRD12	12" Round Constant Pressure Regulating Bypass Damper (Bypass up to 1400 CFM)
L81-216	CPRD14	14" Round Constant Pressure Regulating Bypass Damper (Bypass over 1400 CFM)
L46-659	CPR8	Replacement Regulator for CPRD8
L46-660	CPR10	Replacement Regulator for CPRD10
L46-661	CPR12	Replacement Regulator for CPRD12
L46-662	CPR14	Replacement Regulator for CPRD14

Automatic Round Dampers

Honeywell Home

- Features galvanized steel with single-blade damper, which closes off tightly against gasket for minimal leakage
- Designated as power closed/spring return open damper for use with Honeywell Zoning Systems
- Can be field-converted when used as an independent zone or for fresh air intake
- Rated to operate up to 1 in.W.C.
- **L81-631** and **L81-632** are used for fresh air intake for ventilation or for combustion makeup air



Order #	Mfg. #	Description
L81-620	ARD5TZ	5 in. Round Automatic Damper
L81-621	ARD6TZ	6 in. Round Automatic Damper
L81-631	EARD6TZ	6 in. Economizer Automatic Round Damper
L81-622	ARD7TZ	7 in. Round Automatic Damper
L81-623	ARD8TZ	8 in. Round Automatic Damper
L81-632	EARD8TZ	8 in. Economizer Automatic Round Damper
L81-624	ARD9TZ	9 in. Round Automatic Damper

Order #	Mfg. #	Description
L81-625	ARD10TZ	10 in. Round Automatic Damper
L81-626	ARD12TZ	12 in. Round Automatic Damper
L81-627	ARD14TZ	14 in. Round Automatic Damper
L81-628	ARD16TZ	16 in. Round Automatic Damper
L81-629	ARD18TZ	18 in. Round Automatic Damper
L81-630	ARD20TZ	20 in. Round Automatic Damper

Modulating Automatic Round Dampers

Honeywell Home

- 24V, power close/power close modulating damper used to control circulating air in HVAC systems
- 90-second open to close motor
- Use as a bypass damper with **L39-896** static pressure control



Order #	Mfg. #	Description
L86-629	MARD6	6" Modulating Automatic Round Damper
L86-630	MARD8	8" Modulating Automatic Round Damper
L86-625	MARD10	10" Modulating Automatic Round Damper
L86-626	MARD12	12" Modulating Automatic Round Damper

Order #	Mfg. #	Description
L86-627	MARD14	14" Modulating Automatic Round Damper
L86-628	MARD16	16" Modulating Automatic Round Damper
L97-700	MARD18	18" Modulating Automatic Round Damper

Honeywell Home



Parallel Blade Dampers

- 24V, power close/spring return open dampers used to control circulating air in HVAC systems
- Damper can be installed in any orientation (mounting side can be on either the bottom or the side of the duct)
- Mechanical visual position indicator for damper status
- Solid construction using extruded aluminum frame and blades
- Parallel blade design for low leakage performance
- Simple, easy-to-wire, two-wire installation

Order #	Mfg. #	Dimensions	Mounting
Bottom Mount			
L81-745	ZD6X8TZ	6" x 8"	Bottom
L81-735	ZD6X10TZ	6" x 10"	Bottom
L81-736	ZD6X12TZ	6" x 12"	Bottom
L81-737	ZD6X14TZ	6" x 14"	Bottom
L81-738	ZD6X16TZ	6" x 16"	Bottom
L81-739	ZD6X18TZ	6" x 18"	Bottom
L81-740	ZD6X20TZ	6" x 20"	Bottom
L81-741	ZD6X22TZ	6" x 22"	Bottom
L81-742	ZD6X24TZ	6" x 24"	Bottom
L81-743	ZD6X28TZ	6" x 28"	Bottom
L81-746	ZD8X10TZ	8" x 10"	Bottom
L81-747	ZD8X12TZ	8" x 12"	Bottom
L81-748	ZD8X14TZ	8" x 14"	Bottom
L81-749	ZD8X16TZ	8" x 16"	Bottom
L81-750	ZD8X18TZ	8" x 18"	Bottom
L81-751	ZD8X20TZ	8" x 20"	Bottom
L81-752	ZD8X22TZ	8" x 22"	Bottom
L81-753	ZD8X24TZ	8" x 24"	Bottom
L81-754	ZD8X26TZ	8" x 26"	Bottom
L81-755	ZD8X28TZ	8" x 28"	Bottom
L81-634	ZD10X12TZ	10" x 12"	Bottom
L81-635	ZD10X14TZ	10" x 14"	Bottom
L81-636	ZD10X16TZ	10" x 16"	Bottom
L81-637	ZD10X18TZ	10" x 18"	Bottom
L81-638	ZD10X20TZ	10" x 20"	Bottom
L81-639	ZD10X22TZ	10" x 22"	Bottom
L81-640	ZD10X24TZ	10" x 24"	Bottom
L81-641	ZD10X26TZ	10" x 26"	Bottom
L81-642	ZD10X28TZ	10" x 28"	Bottom
L81-647	ZD12X14TZ	12" x 14"	Bottom
L81-648	ZD12X16TZ	12" x 16"	Bottom
L81-649	ZD12X18TZ	12" x 18"	Bottom
L81-650	ZD12X20TZ	12" x 20"	Bottom
L81-651	ZD12X22TZ	12" x 22"	Bottom
L81-652	ZD12X24TZ	12" x 24"	Bottom
L81-653	ZD12X26TZ	12" x 26"	Bottom
L81-654	ZD12X28TZ	12" x 28"	Bottom
L81-660	ZD14X16TZ	14" x 16"	Bottom
L81-661	ZD14X18TZ	14" x 18"	Bottom
L81-662	ZD14X20TZ	14" x 20"	Bottom
L81-663	ZD14X22TZ	14" x 22"	Bottom
L81-664	ZD14X24TZ	14" x 24"	Bottom
L81-665	ZD14X26TZ	14" x 26"	Bottom
L81-666	ZD14X28TZ	14" x 28"	Bottom
L81-673	ZD16X18TZ	16" x 18"	Bottom
L81-674	ZD16X20TZ	16" x 20"	Bottom
L81-675	ZD16X22TZ	16" x 22"	Bottom
L81-676	ZD16X24TZ	16" x 24"	Bottom
L81-677	ZD16X26TZ	16" x 26"	Bottom
L81-685	ZD18X20TZ	18" x 20"	Bottom
L81-686	ZD18X22TZ	18" x 22"	Bottom
L81-687	ZD18X24TZ	18" x 24"	Bottom
L81-688	ZD18X26TZ	18" x 26"	Bottom
L81-697	ZD20X22TZ	20" x 22"	Bottom
L81-698	ZD20X24TZ	20" x 24"	Bottom
Side Mount			
L81-744	ZD6X6TZ	6" x 6"	Side
L81-756	ZD8X6TZ	8" x 6"	Side
L81-757	ZD8X8TZ	8" x 8"	Side
L81-643	ZD10X6TZ	10" x 6"	Side
L81-644	ZD10X8TZ	10" x 8"	Side
L81-633	ZD10X10TZ	10" x 10"	Side
L81-655	ZD12X6TZ	12" x 6"	Side
L81-656	ZD12X8TZ	12" x 8"	Side
L81-645	ZD12X10TZ	12" x 10"	Side
L81-646	ZD12X12TZ	12" x 12"	Side
L81-667	ZD14X6TZ	14" x 6"	Side
L81-668	ZD14X8TZ	14" x 8"	Side
L81-657	ZD14X10TZ	14" x 10"	Side
L81-658	ZD14X12TZ	14" x 12"	Side
L81-659	ZD14X14TZ	14" x 14"	Side
L81-678	ZD16X6TZ	16" x 6"	Side
L81-679	ZD16X8TZ	16" x 8"	Side
L81-669	ZD16X10TZ	16" x 10"	Side
L81-670	ZD16X12TZ	16" x 12"	Side
L81-671	ZD16X14TZ	16" x 14"	Side
L81-672	ZD16X16TZ	16" x 16"	Side
L81-689	ZD18X6TZ	18" x 6"	Side
L81-690	ZD18X8TZ	18" x 8"	Side
L81-680	ZD18X10TZ	18" x 10"	Side
L81-681	ZD18X12TZ	18" x 12"	Side
L81-682	ZD18X14TZ	18" x 14"	Side
L81-683	ZD18X16TZ	18" x 16"	Side
L81-684	ZD18X18TZ	18" x 18"	Side
L81-699	ZD20X6TZ	20" x 6"	Side
L81-700	ZD20X8TZ	20" x 8"	Side
L81-691	ZD20X10TZ	20" x 10"	Side
L81-692	ZD20X12TZ	20" x 12"	Side
L81-693	ZD20X14TZ	20" x 14"	Side
L81-694	ZD20X16TZ	20" x 16"	Side
L81-695	ZD20X18TZ	20" x 18"	Side
L81-696	ZD20X20TZ	20" x 20"	Side
L81-709	ZD22X6TZ	22" x 6"	Side
L81-710	ZD22X8TZ	22" x 8"	Side
L81-701	ZD22X10TZ	22" x 10"	Side
L81-702	ZD22X12TZ	22" x 12"	Side
L81-703	ZD22X14TZ	22" x 14"	Side
L81-704	ZD22X16TZ	22" x 16"	Side
L81-705	ZD22X18TZ	22" x 18"	Side
L81-706	ZD22X20TZ	22" x 20"	Side
L81-707	ZD22X22TZ	22" x 22"	Side
L81-719	ZD24X6TZ	24" x 6"	Side
L81-720	ZD24X8TZ	24" x 8"	Side
L81-711	ZD24X10TZ	24" x 10"	Side
L81-712	ZD24X12TZ	24" x 12"	Side
L81-713	ZD24X14TZ	24" x 14"	Side
L81-714	ZD24X16TZ	24" x 16"	Side
L81-715	ZD24X18TZ	24" x 18"	Side
L81-716	ZD24X20TZ	24" x 20"	Side
L81-717	ZD24X22TZ	24" x 22"	Side
L81-718	ZD24X24TZ	24" x 24"	Side
L81-727	ZD26X8TZ	26" x 8"	Side
L81-721	ZD26X10TZ	26" x 10"	Side
L81-722	ZD26X12TZ	26" x 12"	Side
L81-723	ZD26X14TZ	26" x 14"	Side
L81-724	ZD26X16TZ	26" x 16"	Side
L81-725	ZD26X18TZ	26" x 18"	Side
L81-726	ZD26X20TZ	26" x 20"	Side
L81-733	ZD28X6TZ	28" x 6"	Side
L81-734	ZD28X8TZ	28" x 8"	Side
L81-728	ZD28X10TZ	28" x 10"	Side
L81-729	ZD28X12TZ	28" x 12"	Side
L81-730	ZD28X14TZ	28" x 14"	Side
L81-731	ZD28X16TZ	28" x 16"	Side
L81-732	ZD28X20TZ	28" x 20"	Side

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Motorized Dampers

- For zone control application
- 24V motor with power open and spring close blades
- Floating motor mount assures proper alignment
- Adjustable flow control





Order #	Mfg. #	Description	Dimensions
X83-427	ADC624	Normally Closed	6"
X83-428	ADC824	Normally Closed	8"
X89-528	ADC1024	Normally Closed	10"
X89-537	ADC1224	Normally Closed	12"
X89-651	ADO624	Normally Open	6"

Order #	Mfg. #	Description	Dimensions
X89-653	ADO824	Normally Open	8"
X89-654	ADO1024	Normally Open	10"
X89-655	ADO1224	Normally Open	12"
X89-656	ADO1424	Normally Open	14"
X89-657	ADO1624	Normally Open	16"

Zone Control Panels

- Zone panels can be used with programmable or non-programmable, digital or mechanical thermostats
- Compatible with 2 or 3-wire dampers
- LED status indicators
- Fan purge
- Short cycle protection
- Dual fuel operation (**L40-219** and **L40-220**)
- **L40-220** is universal - works with heat pump or heat/cool, single stage or multi-stage, gas or electric
- **L41-742** simplifies installation when the number of dampers exceeds fuse rating of the zone panel



A



B

Fig.	Order #	Mfg. #	Description
A	**L40-217**	6202	2-Zone Single-Stage Control Panel Heat/Cool
A	**L40-218**	6203	3-Zone Single-Stage Control Panel Heat/Cool
—	**L40-219**	6303	3-Zone Single Stage Heat Pump with Gas or Elec.Aux.Heat

Fig.	Order #	Mfg. #	Description
B	**L40-220**	6404	4-Zone Universal, Multi-Stage, Expandable
A	**L41-742**	8028	Damper Power Distribution Panel

Round Dampers

- Features the exclusive Flexible Link™ design
- Supports bypass or controlled pressure relief
- Rigid spiral shell
- Two-wire, normally open



Order #	Mfg. #	Description
L86-692	6606	6" Round Damper
L86-693	6608	8" Round Damper
L86-694	6610	10" Round Damper

Order #	Mfg. #	Description
L86-695	6612	12" Round Damper
L86-696	6614	14" Round Damper
L86-697	6616	16" Round Damper

Retrofit Round Damper

- Spring-return damper, designed for use in 6" round branch duct
- Allows zoning installation without costly duct modification
- High-resolution LED on the damper lights when closed, simplifying system checks and trouble-shooting
- Requires 10VA @ 24V



Order #	Mfg. #	Description
L87-259	6706	6" Retrofit Round Damper

AprilAire

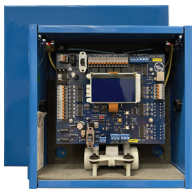


Parallel Blade Dampers

- Features the exclusive Flexible Link™ design
- Supports bypass or controlled pressure relief
- Constructed of heavy-duty aluminum frame and blades with galvanized faceplate

Order #	Mfg. #	Description	Dimensions
Side Mounting			
L86-701	6721	8x8 Rectangular Side Mount Damper	8" x 8"
L86-702	6722	8x10 Rectangular Side Mount Damper	10" x 8"
L86-703	6723	8x12 Rectangular Side Mount Damper	12" x 8"
L86-704	6724	8x14 Rectangular Side Mount Damper	14" x 8"
L86-705	6725	8x16 Rectangular Side Mount Damper	16" x 8"
L86-706	6726	8x18 Rectangular Side Mount Damper	18" x 8"
L86-707	6727	8x20 Rectangular Side Mount Damper	20" x 8"
L86-708	6728	8x22 Rectangular Side Mount Damper	22" x 8"
L86-709	6729	8x24 Rectangular Side Mount Damper	24" x 8"
L86-710	6732	10x10 Rectangular Side Mount Damper	10" x 10"
L86-711	6733	10x12 Rectangular Side Mount Damper	12" x 10"
L86-712	6734	10x12 Rectangular Side Mount Damper	14" x 10"
L86-713	6735	10x16 Rectangular Side Mount Damper	16" x 10"
L86-714	6736	10x18 Rectangular Side Mount Damper	18" x 10"
L86-715	6737	10x20 Rectangular Side Mount Damper	20" x 10"
L86-716	6738	10x22 Rectangular Side Mount Damper	22" x 10"
L86-717	6739	10x24 Rectangular Side Mount Damper	24" x 10"
L86-718	6743	12x12 Rectangular Side Mount Damper	12" x 12"
L86-719	6744	12x14 Rectangular Side Mount Damper	14" x 12"
L86-720	6745	12x16 Rectangular Side Mount Damper	16" x 12"
L86-721	6746	12x18 Rectangular Side Mount Damper	18" x 12"
L86-722	6747	12x20 Rectangular Side Mount Damper	20" x 12"
L86-723	6748	12x22 Rectangular Side Mount Damper	22" x 12"
L86-724	6749	12x24 Rectangular Side Mount Damper	24" x 12"
L86-725	6754	14x14 Rectangular Side Mount Damper	14" x 14"
L86-726	6755	14x16 Rectangular Side Mount Damper	16" x 14"
L86-727	6756	14x18 Rectangular Side Mount Damper	18" x 14"
L86-728	6757	14x20 Rectangular Side Mount Damper	20" x 14"
L86-729	6758	14x22 Rectangular Side Mount Damper	22" x 14"
L86-730	6759	14x24 Rectangular Side Mount Damper	24" x 14"
Bottom Mounting			
L87-260	6812	8x10 Rectangular Bottom Mount Damper	8" x 10"
L87-261	6813	8x12 Rectangular Bottom Mount Damper	8" x 12"
L87-262	6814	8x14 Rectangular Bottom Mount Damper	8" x 14"
L87-263	6815	8x16 Rectangular Bottom Mount Damper	8" x 16"
L87-264	6816	8x18 Rectangular Bottom Mount Damper	8" x 18"
L87-265	6817	8x20 Rectangular Bottom Mount Damper	8" x 20"
L87-266	6818	8x22 Rectangular Bottom Mount Damper	8" x 22"
L87-267	6819	8x24 Rectangular Bottom Mount Damper	8" x 24"
L87-268	6823	10x12 Rectangular Bottom Mount Damper	10" x 12"
L87-269	6824	10x14 Rectangular Bottom Mount Damper	10" x 14"
L87-270	6825	10x16 Rectangular Bottom Mount Damper	10" x 16"
L87-271	6826	10x18 Rectangular Bottom Mount Damper	10" x 18"
L87-272	6827	10x20 Rectangular Bottom Mount Damper	10" x 20"
L87-273	6828	10x22 Rectangular Bottom Mount Damper	10" x 22"
L87-274	6829	10x24 Rectangular Bottom Mount Damper	10" x 24"
L87-275	6834	12x14 Rectangular Bottom Mount Damper	12" x 14"
L87-276	6835	12x16 Rectangular Bottom Mount Damper	12" x 16"
L87-277	6836	12x18 Rectangular Bottom Mount Damper	12" x 18"
L87-278	6837	12x20 Rectangular Bottom Mount Damper	12" x 20"
L87-279	6838	12x22 Rectangular Bottom Mount Damper	12" x 22"
L87-280	6839	12x24 Rectangular Bottom Mount Damper	12" x 24"

Arzel Zoning



HeatPumPro™ Control Panels

- For any heat pump, furnace, air conditioner or variable speed equipment
- Menu driven “Set-up Wizard”
- Displays all operations at a glance
- Works with standard 4-wire thermostat
- Proactive staging with outdoor reset
- Dual fuel control
- Leaving air temperature and outdoor sensor included
- Modulating bypass port

Order #	Mfg. #	Description
L44-980	PAN-HPP02	2 Zones
L44-981	PAN-HPP03	3 Zones
L44-982	PAN-HPP04	4 Zones

MOTOR FINDER

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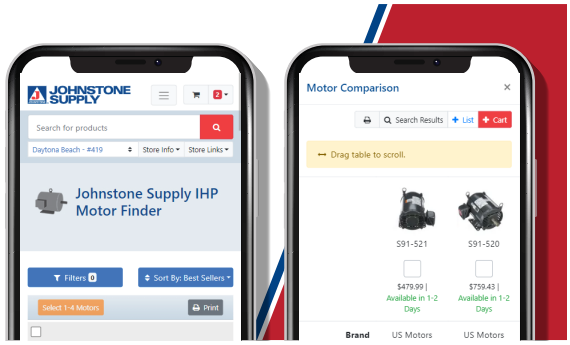

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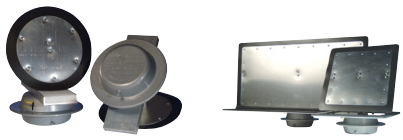
EzySlide® Dampers

- Inserts into existing ductwork — ideal for retrofit applications
- Operates on low pressure air supplied by Arzel control panels
- Motorless, eliminating motors and gears



Order #	Mfg. #	Dimensions
Round		
L80-408	STK-ER0004	4"
L80-409	STK-ER0005	5"
L80-410	STK-ER0006	6"
L80-411	STK-ER0007	7"
L80-412	STK-ER0008	8"
L80-413	STK-ER0009	9"
L80-414	STK-ER0010	10"
L80-415	STK-ER0012	12"
L80-416	STK-ER0014	14"
Rectangular - Bottom Mount		
L80-418	STKSB-E 8X10	8" x 10"
L80-419	STKSB-E 8X12	8" x 12"
L80-420	STKSB-E 8X14	8" x 14"
L80-421	STKSB-E 8X16	8" x 16"

Order #	Mfg. #	Dimensions
L80-422	STKSB-E 8X18	8" x 18"
L80-423	STKSB-E 8X20	8" x 20"
L80-424	STKSB-E 8X24	8" x 24"
L80-425	STKSB-E 10X12	10" x 12"
L80-426	STKSB-E 10X14	10" x 14"
L80-427	STKSB-E 10X16	10" x 16"
L80-428	STKSB-E 10X18	10" x 18"
L80-429	STKSB-E 10X20	10" x 20"
L80-430	STKSB-E 10X22	10" x 22"
L80-431	STKSB-E 10X24	10" x 24"
L80-432	STKSB-E 12X14	12" x 14"
L80-433	STKSB-E 12X16	12" x 16"
L80-434	STKSB-E 12X18	12" x 18"
L80-435	STKSB-E 12X20	12" x 20"
L80-436	STKSB-E 12X24	12" x 24"

Order #	Mfg. #	Dimensions
Rectangular - Side Mount		
L80-437	STKSS-E 8X8	8" x 8"
L80-438	STKSS-E 8X10	8" x 10"
L80-439	STKSS-E 8X12	8" x 12"
L80-440	STKSS-E 8X14	8" x 14"
L80-441	STKSS-E 8X16	8" x 16"
L80-442	STKSS-E 8X18	8" x 18"
L80-443	STKSS-E 8X20	8" x 20"
L80-444	STKSS-E 10X10	10" x 10"
L80-445	STKSS-E 10X12	10" x 12"
L80-446	STKSS-E 10X14	10" x 14"
L80-447	STKSS-E 10X16	10" x 16"
L80-448	STKSS-E 10X18	10" x 18"
L80-449	STKSS-E 10X20	10" x 20"

ModuPASS®

- Modulating bypass damper system
- Measure static pressure in supply duct and set bypass damper to allow correct amount of air
- Specifically designed for variable speed (ECM) motors

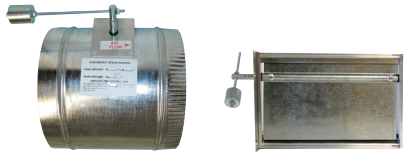


Order #	Mfg. #	Dimensions
L80-461	MOD-BYP08	8"
L80-462	MOD-BYP10	10"

Order #	Mfg. #	Dimensions
L80-463	MOD-BYP12	12"

Barometric Bypass Dampers

- Weighted arm opens as static pressure increases
- Recommended for 2 to 3 zones where zones are nearly equal in size



A B

Fig.	Order #	Mfg. #	Dimensions
A	**L80-464**	SPD-R0008	8"
A	**L80-465**	SPD-R0010	10"
A	**L80-466**	SPD-R0012	12"
A	**L80-467**	SPD-R0014	14"
A	**L80-468**	SPD-R0016	16"
B	**L80-469**	SPD-S0812	8" x 12"

Fig.	Order #	Mfg. #	Dimensions
B	**L80-470**	SPD-S0820	8" x 20"
B	**L80-471**	SPD-S1210	12" x 10"
B	**L80-472**	SPD-S1212	12" x 12"
B	**L80-473**	SPD-S2010	20" x 10"
B	**L80-474**	SPD-S2012	20" x 12"

Arzel Zoning Accessories

Order #	Mfg. #	Description
R56-137	FIT-TC025	Black Coupling (25-Pk.)
R56-138	FIT-TE025	Black Elbow (25-Pk.)
R56-139	FIT-TP025	Black Plug (25-Pk.)
R56-140	FIT-TT025	Black Tee (25-Pk.)
R56-141	PVC-BLUE	PVC Tubing (200')
R56-142	PVC-GREEN	PVC Tubing (200')
R56-143	PVC-ORANGE	PVC Tubing (200')
R56-144	PVC-PINK	PVC Tubing (200')
R56-145	PVC-PURPLE	PVC Tubing (200')
R56-146	PVC-RED	PVC Tubing (200')
R56-147	PVC-WHITE	PVC Tubing (200')
R56-148	PVC-YELLOW	PVC Tubing (200')
R56-149	PLEN-BLACK	Plenum Tubing (250')
R56-150	PLEN-BLUE	Plenum Tubing (250')
R56-151	PLEN-GREEN	Plenum Tubing (250')
R56-152	PLEN-ORANGE	Plenum Tubing (250')
R56-153	PLEN-PURPLE	Plenum Tubing (250')
R56-154	PLEN-RED	Plenum Tubing (250')
R56-155	PLEN-WHITE	Plenum Tubing (250')
R56-156	PLEN-YELLOW	Plenum Tubing (250')

Order #	Mfg. #	Description
R56-157	EZYHUB	7 Tube Hub
R56-193	TOOL-KIT	Install Kit
L81-055	SLEEVE-DUCT4	4" Duct Sleeve
L81-056	SLEEVE-DUCT5	5" Duct Sleeve
L81-057	SLEEVE-DUCT6	6" Duct Sleeve
L81-058	SLEEVE-DUCT7	7" Duct Sleeve
L81-059	SLEEVE-DUCT8	8" Duct Sleeve
L81-060	SLEEVE-DUCT9	9" Duct Sleeve
L81-061	SLEVE-DUCT10	10" Duct Sleeve
L81-062	SLEVE-DUCT12	12" Duct Sleeve
L81-063	SLEVE-DUCT14	14" Duct Sleeve
L81-065	SLV-4INST	4" Duct Sleeve w/ Damper
L81-066	SLV-5INST	5" Duct Sleeve w/ Damper
L81-067	SLV-6INST	6" Duct Sleeve w/ Damper
L81-068	SLV-7INST	7" Duct Sleeve w/ Damper
L81-069	SLV-8INST	8" Duct Sleeve w/ Damper
L81-070	SLV-9INST	9" Duct Sleeve w/ Damper
L81-071	SLV-10INST	10" Duct Sleeve w/ Damper
L81-072	SLV-12INST	12" Duct Sleeve w/ Damper
L81-073	SLV-14INST	14" Duct Sleeve w/ Damper

Arzel Zoning

Arzel Replacement Parts

Order #	Mfg. #	Description
L44-988	PCB-00202	MPS Circuit Board
L44-989	PCB-00203	MPS Circuit Board
L44-990	PCB-02002	Airboss Circuit Board
L44-991	PCB-02003	Airboss Circuit Board
L44-992	PCB-02004	Airboss Circuit Board
L44-993	PCB-HPP02	HPP Circuit Board
L44-994	PCB-HPP03	HPP Circuit Board
L44-995	PCB-HPP04	HPP Circuit Board
L44-996	SEN-UPS12	LAT Sensor

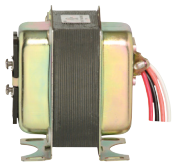
Order #	Mfg. #	Description
L44-997	SEN-RESPRO	LAT/OAT Sensor
L44-998	PMP-PUMP1	Pump Pressure/Vacuum Ass
L44-999	PAN-SOLO4	24VDC Solenoid (MPS, Air Boss)
L45-001	PAN-SOLO5	24VDC Solenoid (HeatPumPro)
L45-002	TRANS-40VARS	24 VAC, 40VA Resettable Transformer (2–4 Zone)
L45-003	TRANS-100VA	24VAC. 100VA Transformer (6–8 Zone)
L45-004	MOD-BYPAS	Modulating Bypass Transmitter
L45-005	PAN-FUSE2	5PK MPS Panel Fuse

resideo

Control Transformers

- NEMA models are designed for commercial and heavy-duty residential applications
- Non-NEMA models are recommended for residential applications only
- **L36-292** has 13" wires, **L41-969** has 8-1/2" wires, all others have 9" wires
- **L38-900**, **L38-901**, **L38-902** and **L38-903** include manual reset


A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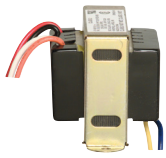
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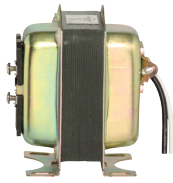
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E

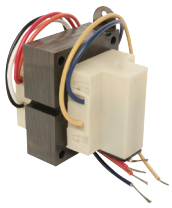
Fig.	Order #	Mfg. #	VA Rating	Primary Voltage	Secondary Voltage	Description	Mounting Configuration	Each
A	**L37-416**	AT20A1123	20	120	26.5	NEMA Rated Transformer	Foot	**109.00**
B	**L41-967**	AT120A1004	20	120/208/240	27	Non-NEMA Rated Transformer	Foot, Conduit, Plate	**75.00**
C	**L41-968**	AT120B1028	20	120	27	Non-NEMA Rated Transformer	Foot	**55.00**
A	**L38-636**	AT40A1121	40	120	26.5	NEMA Rated Transformer	Foot	**85.00**
D	**L40-744**	AT140A1000	40	120	27	Non-NEMA Rated Transformer	Foot, Conduit, Plate	**44.99**
E	**L40-745**	AT140A1018	40	120/208/240	27	Non-NEMA Rated Transformer	Foot, Conduit, Plate	**47.99**
C	**L40-746**	AT140B1214	40	120/208/240	27	Non-NEMA Rated Transformer	Foot	**47.99**
C	**L41-969**	AT140B1016	40	120	27	Non-NEMA Rated Transformer	Foot	**43.99**
E	**L36-288**	AT72D1683	40	120	26.5	NEMA Rated Transformer	Foot, Conduit, Plate	**85.00**
E	**L36-289**	AT72D1691	40	208/240	26.5	NEMA Rated Transformer	Foot, Conduit, Plate	**99.00**
E	**L36-292**	AT87A1106	50	120/208/240	26.5	NEMA Rated Transformer	Foot, Conduit, Plate	**109.00**
B	**L38-900**	AT150F1022	50	120/208/240	27.5	Non-NEMA Rated Transformer	Foot, Conduit	**95.00**
B	**L38-901**	AT150F1030	50	208/277/480	27.5	Non-NEMA Rated Transformer	Foot, Conduit	**99.00**
E	**L40-747**	AT150A1007	50	120/208/240	27	Non-NEMA Rated Transformer	Foot, Conduit, Plate	**59.00**
C	**L41-970**	AT150B1146	50	120/208/240	27	Non-NEMA Rated Transformer	Foot	**85.00**
E	**L40-748**	AT175A1008	75	120/208/240	27.5	Non-NEMA Rated Transformer	Foot, Conduit, Plate	**129.00**
C	**L41-971**	AT175B1055	75	120	27.5	Non-NEMA Rated Transformer	Foot	**169.00**
B	**L38-902**	AT175F1023	75	120/208/240	27.5	Non-NEMA Rated Transformer	Foot, Conduit	**159.00**
B	**L38-903**	AT175F1031	75	208/277/480	27.5	Non-NEMA Rated Transformer	Foot, Conduit	**155.00**

WHITE-RODGERS

Control Transformers

- For industrial, heating and air conditioning controls applications
- Color coded primary leads


A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UNIVERSAL PARTS

Fig.	Order #	Mfg. #	VA Rating	Primary Voltage	Secondary Voltage	Mounting Configuration	Each
A	**L39-560**	90-T40F3	40	120/208/240	24	Foot	**55.00**
B	**L39-561**	90-T60C3	60	120/208/240	24	Foot	**149.00**
B	**L39-562**	90-T75C3	75	120/208/240	24	Foot	**169.00**

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Control Transformers

SIEMENS
Ingenuity for life

- Class 1 rated step-down transformers
- Primary volts 240/480VAC; secondary volts 120/240VAC
- Mounting slots 13/64" x 3/8" for easy installation
- UL listed and CSA approved



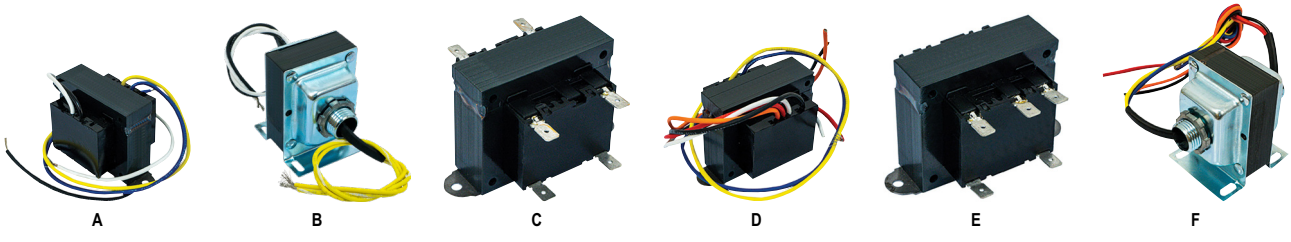
Order #	Mfg. #	VA Rating	Primary Voltage	Secondary Voltage	Each
G32-405	MT0050M	50	240/480	120/240	**215.00**
G32-406	MT0075M	75	240/480	120/240	**229.00**
G32-407	MT0100M	100	240/480	120/240	**239.00**
G32-408	MT0150M	150	240/480	120/240	**315.00**
G32-409	MT0250M	250	240/480	120/240	**415.00**

Control Transformers

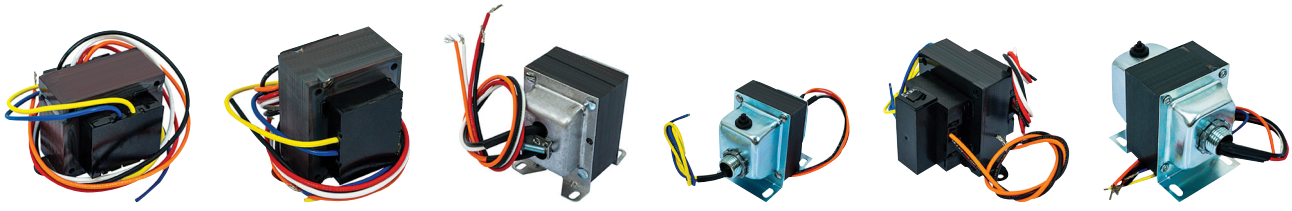
Packard

- Class 2 rated for low voltage control circuits
- 50/60Hz operation
- Class F insulation
- UL recognized
- Made in USA

Note: G38-095, **G38-096** and **G38-097** come equipped with circuit breaker



A B C D E F



G H I J K L

Fig.	Order #	Mfg. #	VA Rating	Primary Voltage	Secondary Voltage	Description	Mounting Configuration	Each	3 Lot
A	**G38-085**	TF12440A	40	120	24	Wire lead connection	Foot	**109.00**	**105.00**
B	**G38-086**	TM12440A	40	120	24	Wire lead connection	Multi	**185.00**	**175.00**
C	**G38-087**	TF4031OEMA	40	120/208/240	24	1/4" Spade Terminal	Foot	**109.00**	**105.00**
D	**G38-088**	TF42440A	40	120/208/240	24	Wire lead connection	Foot	**115.00**	**105.00**
E	**G38-089**	TF22440A	40	208/240	24	Wire lead connection	Foot	**115.00**	**105.00**
E	**G38-090**	TF40224A	40	208/240	24	1/4" Spade Terminal	Foot	**105.00**	**99.00**
F	**G38-091**	TM32440A	40	120/208/240	24	Wire lead connection	Multi	**205.00**	**195.00**
G	**G38-092**	TF40350A	50	120/208/240	24	Wire lead connection	Foot	**125.00**	**115.00**
H	**G38-093**	TF42450A	50	120/208/240/480	24	Wire lead connection	Foot	**185.00**	**179.00**
I	**G38-094**	TM44450A	50	120/208/240	24	Primary: Wire Lead; Secondary: Screw Terminal	Multi	**255.00**	**239.00**
J	**G38-095**	TM52460A	60	120/208/240	24	Wire lead connection	Multi	**185.00**	**175.00**
K	**G38-096**	TF52475A	75	120/208/240/480	24	Wire lead connection	Foot	**209.00**	**199.00**
L	**G38-097**	TM524100A	100	120/208/240/480	24	Wire lead connection	Multi	**215.00**	**205.00**

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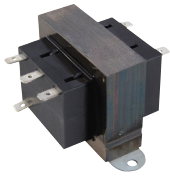
Packard

Control Transformers

- These Class 2 rated, inherently limited transformers easily mount for use with low voltage control circuits
- Designed for over 60,000 hours of continuous use under normal load conditions
- 8" wire length
- UL listed except **L37-560** and **L37-561**
- **L37-103** includes built-in fuse
- **L37-310**, **L37-560** and **L37-561** include manual reset overload
- **G33-064** comes with 2 mounting plates with different bolt patterns


A


B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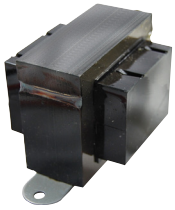
D


E


F


G


H


I

Fig.	Order #	Mfg. #	VA Rating	Primary Voltage	Secondary Voltage	Mounting Configuration	Each	3 Lot
A	**G31-276**	PF12416	10	120	16	2 Foot	**55.00**	**53.00**
B	**G22-334**	PF42420	20	120/208/240	24	2 Foot	**55.00**	**47.99**
B	**G22-336**	PF42440	40	120/208/240	24	2 Foot	**55.00**	**53.00**
C	**G35-917**	PF4031OEM	40	120/208/240	24	Foot	**75.00**	**69.00**
D	**L37-209**	PM12440	40	120	24	Multi-Mount, Plate	**75.00**	**69.00**
E	**L37-210**	PM32440	40	208/240	24	Multi-Mount, Plate	**79.00**	**75.00**
E	**L37-211**	PM43440	40	120/208/240	24/12/2.5	Multi-Mount, Plate	**89.00**	**85.00**
F	**L37-103**	PM44450	50	120/208/240	24	Multi-Mount, Plate	**95.00**	**89.00**
G	**G34-868**	PF40350	50	120/208/240	24	Foot	**105.00**	**101.00**
H	**L37-560**	PF52460	60	120/208/240	24	Foot	**165.00**	**155.00**
H	**L37-310**	PF52475	75	120/208/240/480	24	4 Foot	**169.00**	**159.00**
H	**L37-561**	PF524100	100	120/208/240/480	24	Foot	**215.00**	**205.00**
H	**G36-681**	PF42450	50	120/208/240/480	24	Foot	**175.00**	**165.00**
I	**G33-064**	PF4031VM	40	120/208/240	24	Foot	**75.00**	**72.00**

SIEMENS
Ingenuity for life

Industrial Control Power Transformers



- Epoxy encapsulated coils protects against moisture, dust, dirt and industrial contaminants
- Two jumper links can be wired for dual primary voltages
- Silicon steel laminations to minimize core losses
- Copper magnet wire
- UL listed, CSA certified
- Heavy gauge steel mounting brackets

Order #	Mfg. #	VA Rating	Primary Voltage	Secondary Voltage	Mounting Configuration	Each
G36-767	MT0050B	50	240 x 480	24	Foot mounted	**155.00**
G36-768	MT0075B	75	240 x 480	24	Foot mounted	**185.00**
G36-769	MT0100B	100	240 x 480	24	Foot mounted	**205.00**
G36-770	MT0150B	150	240 x 480	24	Foot mounted	**259.00**
G36-771	MT0200B	200	240 x 480	24	Foot mounted	**325.00**
G36-772	MT0250B	250	240 x 480	24	Foot mounted	**385.00**

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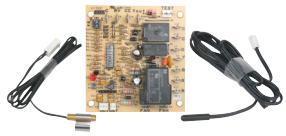
Demand Defrost Control Kit

WHITE-RODGERS

- Demand defrost algorithm "self-calibrates" to the heat pump system
- LED diagnostic display
- Compressor short-cycle protection
- Dipswitch-selectable defrost termination temperature (50/60/70/80°F)
- Replaceable ambient and coil temperature sensors
- Includes high- and low-pressure switch inputs with multi-strike lockouts for additional compressor protection



Order #	Mfg. #	Volts	OEM Replacement for	Each
B19-026	47D43-811	24 VAC	Rheem	**115.00**

Universal Heat Pump Defrost Control

WHITE-RODGERS

- Replaces virtually all single stage defrost controls
- Selectable demand or timed defrost
- Universal mounting with rotating display
- Preconfigured for major OEM brands
- Integrated indoor thermostat
- Access set up and diagnostic menus from any orientation
- Brown out and short cycle protection



Order #	Mfg. #	Volts	Each
L47-933	47D01U-843	24 VAC	**269.00**

Universal Heat Pump Defrost Control

resideo

- Defrost control for single stage on/off heat pumps
- Provides control of the outdoor equipment; compressor contactor, reversing valve, and outdoor fan in response to thermostat requests and air and coil temperatures
- Replaces more than 260 OEM defrost controls



Order #	Mfg. #	Volts	Each
B21-262	DB7110U1000/U	24 VAC	**355.00**

BC Blower Control

Supco

- Increase heating efficiency by delaying the ON and OFF cycle of blower fan
- Control voltage: 24 VAC
- Relay contacts: SPST
- Blower on time: 0-240 seconds adjustable
- Blower off time: 0-240 seconds adjustable



Order #	Mfg. #	Each
L47-609	BC7070	**109.00**

Fan Control Centers

ICM CONTROLS

Made in USA

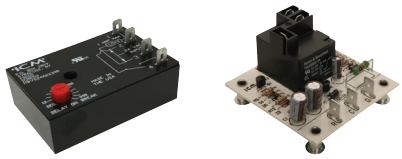
- OEM replacement control circuit boards for circulating fans in heat pumps, air conditioning units and forced-air systems
- Dual function fan delay timer
- OFF delay purges ducts of residual air
- ON delay allows air to reach the proper comfort level prior to energizing fan
- Input voltage: 18 to 30VAC



Order #	Mfg. #	OEM Replacement for	Switch Action	Primary Voltage	Secondary Voltage	Time Delay	Volts	Each
L38-651	ICM271C	Robertshaw: 695-100; Carrier: CES0110017, CES0110018; Carrier/BDP: HH84AA010, HH84AA011, HH84AA012, HH84AA013, HH84AA020, P771-7002, 302075-3	Relay	120VAC	18-30VAC	HEAT BLOWER ON: 75 sec., HEAT BLOWER OFF: 105 sec., COOL BLOWER OFF; 90 sec.	18-30VAC	**235.00**
L38-652	ICM275C	Robertshaw: 695-101; Carrier: CES11019, HH84AA001, HH84AA003, HH84AA005, HH84AA009, HH84AA014, HH84AA015, HH84AA021	Relay	120VAC	18-30VAC	HEAT BLOWER ON: 60sec., HEAT BLOWER OFF: 60-240sec., COOL BLOWER OFF: 90 sec.	18-30VAC	**249.00**
L43-835	ICM277C	Goodman: B1370735S	Relay	—	18-30VAC	ON: 7 sec., OFF: 65 sec.	18-30VAC	**175.00**

Fan Blower Controls

- Controls the circulating fan in heat pump, air conditioning and forced air systems
- Timer continues to run the fan at the end of the heating/cooling cycle, thereby purging ducts of residual air and increasing system efficiency



A B

Fig.	Order #	Mfg. #	OEM Replacement for	Switch Action	Secondary Voltage	Control Action	Time Delay	Volts	Each
A	**B13-627**	ICM253B	Field Controls: 46144700; Gemline:1C216; Mars: 32393	Solid State	18-30VAC	OFF Delay	OFF = 12 to 390 Sec.	18 to 30VAC	**85.00**
B	**B13-628**	ICM255C	Watsco:5893;Bard:8201-056;Mars:32574;Rheem:42-22515-01,42-22515-02,42-22515-03;SnyderGeneral/ICP:1395336	Relay	18-30VAC	ON Delay/ OFF Delay	ON = 1 Sec., OFF = 60 Sec.	18 to 30VAC	**79.00**

Furnace Control Module — Lennox

- Direct replacement for OEM control boards
- Controls inducer fan motor, blower fan and monitors limit switches
- Functions with all 24VAC thermostats
- Microprocessor based



Order #	Mfg. #	OEM Replacement for	Switch Action	Primary Voltage	Secondary Voltage	Time Delay	Volts	Each
L45-172	ICM289	Lennox: Replaces all BCC1, BCC2 & BCC3 Control Boards Including 48K98 & 45K48	Relay	120VAC	18-30VAC	COOL BLOWER ON: 1 sec., COOL BLOWER OFF: 1 sec., HEAT BLOWER ON: 45 sec., HEAT BLOWER OFF: 90,150, 210 or 270sec.	24 and 120VAC	**409.00**

Fan Control Centers

- Provides low voltage control of line voltage fan motors and auxiliary circuits in heating, cooling or heating/cooling circuits
- Provides overload protection for transformer
- Mounts on standard 4" x 4" junction box
- Includes relay enclosure

Specifications:
- F/L Amps @ 120V/240V: 12A/6.9A
- LR Amps @ 120V/240V: 72A/41.4A



Order #	Mfg. #	Switch Action	VA Rating	Primary Voltage	Secondary Voltage	Relay	Each
L37-138	R8239A1052	SPDT	40	120	26.5	R8222B	**199.00**
L40-349	R8239B1076	DPDT	50	120/208/240	26.5	R8222D	**285.00**

Furnace Control Module-Carrier

- Controls gas valve, ignitor, blower motor, inducer, humidifier and air cleaner
- Microprocessor precision
- Twinning compatible with another ICM2807 control
- Reverse polarity detection
- Secondary brownout voltage protection
- Diagnostic LEDs



Order #	Mfg. #	OEM Replacement for	Switch Action	Primary Voltage	Secondary Voltage	Volts	Each
L47-029	ICM2807	Carrier: HK42FZ017	Relay	120 VAC	18-30VAC	24 and 120VAC	**819.00**

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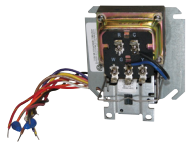
Fan Control Centers

resideo

- Provides low voltage control of line voltage fan motors and auxiliary circuits in heating, cooling or air conditioning systems
- Transformer powers low voltage control systems and provides overload protection
- Mounts on standard 4" x 4" junction box
- Relay is easily replaced without disturbing wiring

Specifications:
- F/L Amps @ 120V/240V: 12A/6A
- LR Amps @ 120V/240V: 72A/35A



Order #	Mfg. #	Switch Action	VA Rating	Primary Voltage	Secondary Voltage	Relay	Each
L40-028	R8285A1048	SPDT	40	120	26.5	R8222B	**155.00**
L40-030	R8285B1053	DPDT	40	120/208/240	26.5	R8222D	**239.00**
L40-031	R8285D5001	DPST (One Power Rated, One Pilot Duty)	50	120	26.5	R8222U	**155.00**

RBM Fan Control Centers

WHITE-RODGERS

- Compact transformer and relay provides low voltage control of line voltage for fan motors and auxiliary circuits
- Mounts to 4" junction box
- **L39-017** is an universal type controller, can be converted to SPDT switching type in the field, compatible with all primary voltages



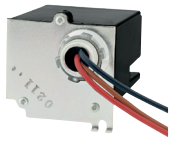
UNIVERSAL PARTS

Order #	Mfg. #	Switch Action	Primary Voltage	Secondary Voltage	Each
L37-811	90-113	SPDT	120	24	**89.00**
L39-017	90-130	DPDT	120/208/240	24	**105.00**

Fan Relays

resideo

- For control of line voltage fan motors and auxiliary circuits in heating and cooling systems
- Integral 1/2" conduit spud fitting for mounting on junction box
- Dimensions: 2-1/2" W x 2-11/16" H x 3-7/16" D



Order #	Mfg. #	Switch Action	Coil Voltage	Each
L36-920	R8225A1017	SPDT	24	**265.00**
L40-348	R8225D1003	DPST, 1 Main N.O., 1 Aux. N.O.	24	**309.00**

Contact Ratings

Description	@120V	@240V
L36-920		
Full Load	N.O. 14A, N.C. 14A	N.O. 8A, N.C. 7A
Locked Rotor	N.O. 84A, N.C. 84A	N.O. 48A, N.C. 42A
Resistive	N.O. 16A, N.C. 14A	N.O. 8A, N.C. 7A

Description	@120V	@240V
L40-348		
Full Load	N.O. 14A, Aux. 3A	N.O. 8A, Aux. 2A
Locked Rotor	N.O. 84A, Aux. 18A	N.O. 48A, Aux. 12A
Resistive	N.O. 16A, Aux. 3A	N.O. 8A, Aux. 2A

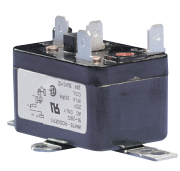
RBM Type 84 and 184 Switching Relays

WHITE-RODGERS

- Used for switching single- or two-speed fan motors, solenoids, relays, resistive loads and general purpose switching
- Temperature range: -40°F to +150°F
- **L37-098** and **L37-100** are heavy-duty relays with 48A inrush ratings that allows for use in circuits with greater loads
- 8A inductive rating @ 250V; 25A inrush @ 250V



A



B



C

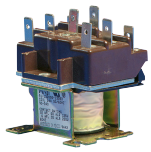


D

UNIVERSAL PARTS

Fig.	Order #	Mfg. #	Coil Voltage	Switch Action	Each
A	**L36-905**	90-293Q	24	SPDT	**25.49**
A	**L37-096**	90-294Q	115/120	SPDT	**30.49**
A	**L37-097**	90-295Q	208/240	SPDT	**39.49**
B	**L36-904**	90-290Q	24	SPNO	**24.49**
B	**L38-128**	90-291Q	115/120	SPNO	**27.99**
B	**L38-129**	90-292Q	208/240	SPNO	**27.99**
C	**L37-098**	90-370	24	SPDT	**26.49**
D	**L37-100**	90-380	24	SPNO-SPNC	**24.99**

WHITE-RODGERS



UNIVERSAL PARTS

RBM Type 91 Switching Relays

For Use with heat pumps, vending machines, fans, heating and air conditioning, and other applications

Order #	Mfg. #	Coil Voltage	Switch Action	Each
L36-901	90-340	24	DPDT	**27.99**
L36-902	90-341	115/120	DPDT	**28.99**
L36-903	90-342	208/240	DPDT	**30.49**

Contact Rating Per Pole

AC Voltage	Inductive	Resistive
125	1/2 HP, 13.8A FL, 82.8A Inrush	15A
250	1/2 HP, 6A FL, 35A Inrush	15A
277	@ 75% Power Factor	15A

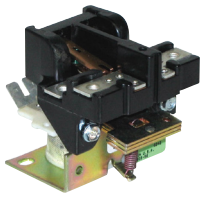


NEMA 3R Enclosures

- Screw cover enclosures for contactors, relays, switches, etc.
- Code gauge pre-galvanized and painted
- Standard knockouts in bottom; use in outdoor locations
- Knockouts: 1/2" through 1-1/2"

Order #	Mfg. #	Dimensions W x H x D	Each
G31-602	464SC3R	4" x 6" x 4"	**95.00**
G31-603	664SC3R	6" x 6" x 4"	**105.00**

mars



Magnetic Line Contactor

- Designed for use in air conditioning, electric heating, pumps, blower motors, computer supplies and lighting
- Replaces 16 GE 3ARR8E4 contactors, as well as Honeywell and RBM contactors with the same specifications
- DPST-N.O. 50/60 Hz
- Contact ratings: 30A @ 240V F/L; 125A @ 240V L/R

Order #	Mfg. #	Ind. F/L Amps	Poles	Coil Voltage	Res. Amps	Each
L38-291	18001	30	2	24 VAC	30	**139.00**

resideo



Switching Relays

- For refrigeration and air conditioning equipment, appliances, vending machines, electric furnaces and other applications
- Contacts rated for voltages up to 600VAC
- Base designed for easy replacement
- **L39-731** and **L39-732** are heavy-duty

Specifications:
- Maximum ambient temperature: 155°F
- Contact ratings (power rated): 15A resistive @ 120VAC and 208/240/277VAC, 10A resistive @ 480VAC, 5A resistive @ 600VAC
- Contact ratings (pilot duty): 3VA @ 24, 120, 480VAC (minimum); 25VA @ 24VAC, 125VA @ 120, 240 and 480VAC (maximum); 3A @ 277VAC (resistive)
- Powerpile (millivoltage) for R4222 and R8222 only: the normally open pilot duty contacts are rated 0.25A @ 0.25 to 12VDC
- Dimensions: 2-5/32" W x 1-7/8" H x 2-3/8" D

Order #	Mfg. #	Coil Voltage	Switch Action	Terminals 1-2-3	Terminals 4-5-6	Each
L39-725	R4222B1082	120	SPDT	Power Rated	None	**79.00**
L39-726	R4222D1013	120	DPDT	Power Rated	Power Rated	**85.00**
L39-727	R4222D1021	208/240	DPDT	Power Rated	Power Rated	**85.00**
L39-728	R8222B1067	24	SPDT	Power Rated	None	**65.00**
L36-947	R8222D1014	24	DPDT	Power Rated	Power Rated	**69.00**
L39-729	R8222N1011	24	DPDT	Pilot Rated	Pilot Rated	**79.00**
L39-730	R8222V1003	24	DPDT (One Power and One Pilot Duty)	Power Rated	Pilot Rated	**85.00**
L39-731	R8228B1012	24	SPDT	Power Rated	Power Rated	**125.00**
L39-732	R8228D1018	24	DPST (Normally Open)	Power Rated	Power Rated	**129.00**

Electrical Ratings, Contacts

	Full Load	Locked Rotor	Resistive
All Except L39-731 and L39-732			
@ 120V	12A	60A	20.8A
@ 208/240/277V	6A	35A	20.8A
@ 480V	3A	18A	10A

	Full Load	Locked Rotor	Resistive
L39-731			
@ 120V	16/18A	96/72A	25A
@ 208/240V	18A	72A	25A
@ 277V	12A	72A	25A
@ 480V	5A	30A	12.5A

	Full Load	Locked Rotor	Resistive
L39-732			
@ 120V	5.5A	15A	25A
@ 208/240V	5.5A	15A	25A
@ 277V	5.5A	15A	25A
@ 480V	3A	8A	12.5A

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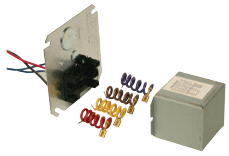
Plate-Mounted Relay Receptacle

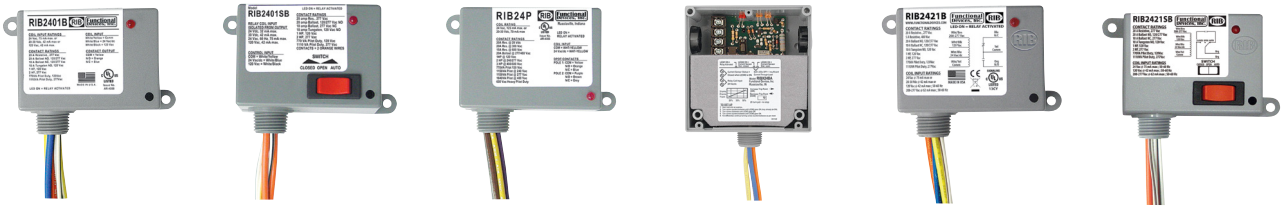
- For installing R4222, R8222, R4228 and R8228 relays on junction boxes
- Use with appropriate relay and **L36-288** or **L36-289** transformer
- Includes cover and eight leadwires



Order #	Mfg. #	Each
L39-719	Q633A1007	**129.00**

Enclosed Power Relays

- For use with 1 to 3 HP motors, fans and pumps
- LED relay status indicator
- NEMA 1 rated housing
- Wire length: 16"
- **L39-100** and **L39-101** have dual voltage coils
- **L39-101** has an HOA override switch
- **L39-106** includes both relay and enclosed adjustable current sensor (adjustable from 0.5A to 20A)



A B C D E F

Fig.	Order #	Mfg. #	Description	Coil Voltage	Amps	Motor HP	Switch Action	Each
A	**L39-100**	RIB2401B	Enclosed Power Relay	24VAC/VDC, 120VAC	20	2HP	SPDT	**65.00**
B	**L39-101**	RIB2401SB	Enclosed Power Relay	24VAC/VDC, 120VAC	20	2HP	SPST	**79.00**
C	**L39-102**	RIB24P	Enclosed Power Relay	24VAC/VDC	20	3HP	DPDT	**129.00**
D	**L39-106**	RIBX24BA	T-Style Relay w/ Current Sensor	24VAC/VDC	20	2HP	SPDT	**135.00**
E	**L45-641**	RIB2421B	Enclosed Power Relay	24VAC/DC; 120-277VAC	20	2HP	SPDT	**85.00**
F	**L45-642**	RIB2421SB	Enclosed Power Relay	24VAC/DC; 120-277VAC	20	2HP	SPST	**109.00**

Enclosed Pilot Relays

- Ideal for fractional horsepower exhaust fans and pumps, piloting contactors and motor starters in smoke control and energy management systems
- LED relay status indicator
- NEMA 1 rated housing
- Wire length: 16"
- **L39-103**, **L39-104**, **L39-105** and **L42-862** have dual voltage coils
- **L39-104** has an HOA override switch
- **L39-107** includes both relay and enclosed adjustable external current sensor (adjustable from 1.25A to 150A)



A B C D E

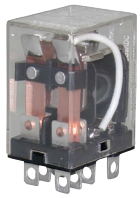
Fig.	Order #	Mfg. #	Description	Coil Voltage	Amps	Relay	Switch Action	Each
A	**L39-103**	RIBU1C	Enclosed Pilot Relay	10 to 30VAC/VDC, 120VAC	10	1	SPDT	**37.49**
B	**L39-104**	RIBU1S	Enclosed Pilot Relay	10 to 30VAC/VDC, 120VAC	10	1	SPST	**75.00**
C	**L39-105**	RIBU2C	Enclosed Pilot Relay	10 to 30VAC/VDC, 120VAC	10	2	SPDT	**85.00**
D	**L42-861**	RIBL3C	Enclosed Pilot Relay	10 to 30 VAC/VDC	10	3	SPST	**129.00**
A	**L42-862**	RIB2401D	Enclosed Pilot Relay	24VAC/VDC, 120VAC	10	1	DPDT	**69.00**
E	**L39-107**	RIBXLCRA	T-Style Pilot Relay w/ Current Sensor	10 to 30VAC/VDC	10	1	SPDT	**149.00**

SIEMENS
Ingenuity for life

General Purpose Plug-In Relays



A



B



C

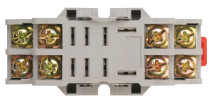
- Versatile and rugged general purpose relays for use in smaller energy conversion systems such as vending machines, small motors and pumps, HVAC systems, lighting and other applications
- Totally enclosed compact cube style
- UL recognized and CSA approved in addition to various International/European standards
- Pin configurations differ among relays; carefully check relays and sockets before installation
- **L38-130** and **L38-131** are 13A relays, arc barrier equipped with high dielectric strength, silver cadmium oxide contacts and a plug in square base with spade terminals, replacing Aromat, Omron, Struthers-Dunn and others
- **L38-132** through **L38-149** are 10A relays with a compact design, capable of breaking relatively large load currents, with a plug in octal base, silver nickel contacts and includes mechanical indicator and push-to-test buttons, replacing IDEC, Potter & Brumfield, Struthers-Dunn and Omron

Fig.	Order #	Mfg. #	Coil Voltage	Switch Action	Pins	HP @ 120VAC	HP @ 240VAC	Each
A	**L38-143**	3TX7112-1LC13	24	DPDT	8	1/4	1/2	**85.00**
A	**L38-144**	3TX7112-1LF13	115	DPDT	8	1/4	1/2	**85.00**
A	**L38-145**	3TX7112-1LG13	230	DPDT	8	1/4	1/2	**85.00**
A	**L38-147**	3TX7112-1NC13	24	3PDT	11	1/4	1/2	**85.00**
A	**L38-148**	3TX7112-1NF13	115	3PDT	11	1/4	1/2	**85.00**
A	**L38-149**	3TX7112-1NG13	230	3PDT	11	1/4	1/2	**75.00**

Fig.	Order #	Mfg. #	Coil Voltage	Switch Action	Pins	HP @ 120VAC	HP @ 240VAC	Each
B	**L38-130**	3TX71145DC13C	24	DPDT	8	1/3	1/2	**43.99**
B	**L38-131**	3TX7114-5DF13C	120	DPDT	8	1/3	1/2	**43.99**
B	**L38-132**	3TX7114-5LH13	240	DPDT	8	1/3	1/2	**55.00**
C	**L49-267**	3TX7131-4DC13	24	DPDT	—	1	3	**79.00**
C	**L49-268**	3TX7131-4DF13	120	DPDT	—	1	3	**79.00**
C	**L49-269**	3TX7131-4DH13	230	DPDT	—	1	3	**85.00**

SIEMENS
Ingenuity for life

Socket For Plug-In Relays



- Panel or DIN rail mountable
- Square sockets for K10 or LY series relays
- Socket electrical rating: 300VAC, 10A
- Dimensions: 2.736" L x 1.181" W

Order #	Mfg. #	Pins	Style	Terminals	Each
L38-153	3TX7144-1E6	8	Square	Screw	**43.99**

sky electronics
INTERNATIONAL

General Purpose Plug-In Relays



A



B

- Totally enclosed relays ideal for vending machines, motors, HVAC systems, elevators and other applications
- 1500V dielectric strength with silver cadmium oxide contacts
- SKAP relays use **G22-786** socket and SKMP relays use **G32-226** socket
- Pin configurations differ among relays; carefully check relays and sockets before installation

Specifications:
- SKAP series: Contact rating — 13A resistive @ 28VDC, 120VAC; 10A resistive @ 240VAC; 1/3 HP @ 120VAC; 1/2 HP @ 240VDC
- SKMP series: Contact rating — 5A resistive @ 32VDC, 120VAC

Fig.	Order #	Mfg. #	Coil Voltage	Switch Action	Pins	Style	Each
A	**G32-217**	SKAP-2C-24VAC	24VAC	DPDT	8	SKAP	**33.49**
A	**G32-218**	SKAP-2C-120VAC	120VAC	DPDT	8	SKAP	**33.49**
A	**G32-219**	SKAP-2C-24VDC	24VDC	DPDT	8	SKAP	**33.49**
A	**G32-220**	SKAPL-3C-24VAC	24VAC	3PDT	11	SKAP	**41.99**
A	**G32-221**	SKAP-3C-120VAC	120VAC	3PDT	11	SKAP	**39.99**

Fig.	Order #	Mfg. #	Coil Voltage	Switch Action	Pins	Style	Each
A	**G32-222**	SKAP-3C-24VDC	24VDC	3PDT	11	SKAP	**39.99**
B	**G32-223**	SKMP-4C-24VAC	24VAC	4PDT	14	SKMP	**24.99**
B	**G32-224**	SKMP-4C-120VAC	120VAC	4PDT	14	SKMP	**24.99**
B	**G32-225**	SKMP-4C-24VDC	24VDC	4PDT	14	SKMP	**24.99**
B	**G35-767**	SKMPL-4C-240VAC	240VAC	4PDT	14	SKMP	**33.49**

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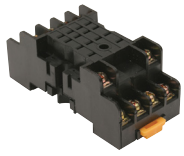
Sockets For Plug-In Relays

- Octal Sockets (fig. A, B) have high impact plastic, has sealed back for surface mounting
- Square Sockets (fig. C, D) have high impact plastic, has sealed back for surface mounting
- Electrical Rating: 10A, 300VAC
- DIN rail mountable
- DIN Rail meets standard DIN dimensions: 1-3/8" W x 39" L x 1/4" D


A


B


C


D


E

Fig.	Order #	Relay	Pins	Style	Terminals	Length	Each
A	**G22-787**	Octal	8	MK	Screw	2.36"	**10.49**
B	**G22-788**	Octal	11	MK	Screw	2.36"	**13.99**
C	**G22-786**	Square	11	SKAP	Screw	2.99"	**19.99**
D	**G32-226**	Square	14	SKMP	Screw	2.49"	**19.49**
E	**G95-016**	DIN Rail	—	—	—	39.00"	**20.99**

Potter & Brumfield Enclosed Power Relays

- For applications requiring higher horsepower such as elevator control panels, manufacturing systems, pumps, motors and others
- Designed to control compressor loads to 3.5 tons
- DPST – N.O.
- 0.250" quick connect terminals

Specifications:
- 30A 120/277VAC resistive; 14 FLA, 60 LRA 240VAC with AC coil
- 2.5 HP 240VAC



Order #	Mfg. #	Coil Voltage	Each
L38-136	3TX7131-4CC13	24	**65.00**
L38-137	3TX7131-4CF13	120	**65.00**
L38-138	3TX7131-4CH13	240	**65.00**

Delay on Make Timer

- Time delay on start up or after a power outage
- Conformally coated for added protection

Specifications:
- Frequency: 50/60 Hz
- Power consumption: 2 watt maximum during timing
- Maximum output rating: 1.5A
- Minimum rating: 40mA
- In-rush: 15A



Order #	Mfg. #	Time Delay	Volts	Switch Action	Each
B13-620	ICM104B	10 to 1,000 Sec. Adj.	18 to 30VAC	Solid State	**115.00**

Delay On Make Timer

- Delay on make timer designed for use in anticipator-type thermostat applications with resistors as low as 1.8K ohms
- Protects compressors against damage from rapid short-cycling
- Fixed or adjustable models
- Solid state reliability
- Epoxy-encapsulated circuitry

Specifications:
- Output: SPST N.O. 1.5A, 15A in-rush
- Time delay: Repeat accuracy ±2%



Order #	Mfg. #	Time Delay	Volts	Switch Action	Each
B11-834	ICM102B	Adj. 0.03 to 10 Min.	18 to 240VAC	Solid State	**55.00**

Pressure Switch Bypass Delay On Make Timer



- Extends ON time switch closures
- Reduces nuisance lockout
- Adjustable time range: 12 to 390 seconds

Specifications:
- Input: 18 to 240VAC; output: SPST N.C. 1A maximum, in-rush 10A

Order #	Mfg. #	Time Delay	Volts	Switch Action	Each
B11-974	ICM175B	10- 1000 seconds Adj.	18 to 240VAC	Solid State	**55.00**

Switch-Settable, Digital Delay On Make Timer



- Ideal for ice machines
- Simple two-wire hookup
- Digital timing circuitry
- Adjustable time range: 1 to 1023 seconds

Specifications:
- Input: 18 to 240VAC/VDC; output: SPST N.O. 1A maximum, in-rush 10A

Order #	Mfg. #	Time Delay	Volts	Switch Action	Each
B11-970	ICM103B	1-1023 seconds Adj.	18 to 240VAC	Solid State	**65.00**

Delay on Break Timer



- Compressor lockout/anti-short cycle time
- Adjustable delay is ideal for stagger starting multiple units
- Conformally coated for added protection

Specifications:
- Frequency: 50/60 Hz
- Power consumption: 2 watt maximum during timing
- Maximum output rating: 1.5A
- Minimum rating: 40mA
- In-rush: 15A

Order #	Mfg. #	Time Delay	Volts	Switch Action	Each
B13-624	ICM203FB	10 Min. Adj.	18 to 240VAC	Solid State	**85.00**

Delay On Break Timer



- Lockout delay prevents rapid short-cycling of compressors
- Will not energize unless control voltage is above 18VAC
- Anti-short cycle with lockout control
- Solid state reliability
- Epoxy encapsulated circuitry

Specifications:
- Input: 18 to 30VAC/VDC; output: SPST N.O. 1A, 10A in-rush
- Time delay: Repeat accuracy ±2%

Order #	Mfg. #	Time Delay	Volts	Switch Action	Each
B11-838	ICM206B	3 to 10 Min. Adj.	18 to 30VAC	Solid State	**105.00**

Delay On Break Timer



- One model replaces many in field
- Universal voltage anti-short cycle timer
- Simple two-wire hookup
- Solid state reliability

Specifications:
- Input: 18 to 240VAC/VDC; output: SPST N.O. 1.5A, 15A in-rush
- Time delay: Repeat accuracy ±2%
- Range: 0.3 to 10 minutes

Order #	Mfg. #	Time Delay	Volts	Switch Action	Each
B11-835	ICM203B	Adj. 0.03 to 10 Min.	18 to 240VAC	Solid State	**49.49**

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ICM Universal Time Delay Relays

NEW

ICM Omni App Configurable

- Universal function programmable timers
- Uses near field communication in conjunction with a smart phone App
- Four or six different timer modes
- Adjustable time delay: 0-100 hours
- Solid State or Relay



A



B

Fig.	Order #	Mfg. #	Time Delay	Volts	Switch Action	Each
A	**B22-843**	ICM-UFPT-2	0-100 hours Adj.	24 to 240 VAC	Solid State	**99.00**
B	**B22-844**	ICM-UFPT-5	0-100 hours Adj.	24 to 240 VAC	Relay	**105.00**

PowerPRO Contactors

- Meet ARI 780/790 standard that requires 500,000 cycles of mechanical life, 200,000 cycles of electrical life and 10,000 cycles of recycle life
- Multiple input voltage range from 24/120/208/240 configurations
- Available in 25, 30, 40, 50, 60, 75 and 90 Amp configurations
- Hex screw and quick connects on units up to 30 A; lugs on units rated at 40 A and above
- Quick connects for coil termination

Order #	Mfg. #	Ind. F/L Amps	Poles	Coil Voltage	Res. Amps	Each	5 Lot
L46-526	C25GNF390B	90	3	240 VAC	90	**665.00**	**629.00**

1 and 2 Pole Definite Purpose Contactors

- Compact design with low VA coil
- Sealed housing keeps contaminants out and lowers noise
- Includes arc cover
- **L36-875**, **L36-876**, **L36-877**, **L36-881**, **L36-882** and **L36-883** are 1 pole contactors with terminal block to replace 2 pole



Order #	Mfg. #	Ind. F/L Amps	Poles	Coil Voltage	Res. Amps	Each	10 Lot
L37-114	C25BNB220T	20	2	24 VAC	30	**55.00**	**53.00**
L37-115	C25BNB220A	20	2	120 VAC	30	**55.00**	**53.00**
L36-872	C25ANB125T	25	1	24 VAC	30	**55.00**	**53.00**
L36-873	C25ANB125A	25	1	120 VAC	30	**55.00**	**48.99**
L36-874	C25ANB125B	25	1	208/240 VAC	30	**55.00**	**53.00**
L36-875	C25CNB125T	25	1+	24 VAC	30	**55.00**	**53.00**
L36-876	C25CNB125A	25	1+	120 VAC	30	**55.00**	**53.00**
L36-877	C25CNB125B	25	1+	208/240 VAC	30	**55.00**	**53.00**
L37-117	C25BNB225T	25	2	24 VAC	30	**55.00**	**53.00**
L37-118	C25BNB225A	25	2	120 VAC	30	**55.00**	**53.00**
L37-119	C25BNB225B	25	2	208/240 VAC	30	**55.00**	**53.00**
L36-878	C25ANB130T	30	1	24 VAC	40	**55.00**	**53.00**
L36-879	C25ANB130A	30	1	120 VAC	40	**55.00**	**53.00**
L36-880	C25ANB130B	30	1	208/240 VAC	40	**55.00**	**53.00**
L36-881	C25CNB130T	30	1+	24 VAC	40	**42.99**	**40.99**
L36-882	C25CNB130A	30	1+	120 VAC	40	**55.00**	**53.00**

Order #	Mfg. #	Ind. F/L Amps	Poles	Coil Voltage	Res. Amps	Each	10 Lot
L36-883	C25CNB130B	30	1+	208/240 VAC	40	**55.00**	**53.00**
L37-120	C25BNB230T	30	2	24 VAC	40	**46.99**	**44.49**
L37-121	C25BNB230A	30	2	120 VAC	40	**46.99**	**44.49**
L37-122	C25BNB230B	30	2	208/240 VAC	40	**46.99**	**44.49**
L40-335	C25ANF140T	40	1	24 VAC	50	**95.00**	**91.00**
L40-333	C25ANF140A	40	1	120 VAC	50	**95.00**	**91.00**
L40-334	C25ANF140B	40	1	208/240 VAC	50	**95.00**	**91.00**
L45-981	C25CNB140T	40	1+	24 VAC	50	**85.00**	**79.00**
L45-982	C25CNB140A	40	1+	120 VAC	50	**85.00**	**79.00**
L45-983	C25CNB140B	40	1+	208/240 VAC	50	**85.00**	**79.00**
L40-771	C25BNB240T	40	2	24 VAC	50	**69.00**	**65.00**
L40-772	C25BNB240A	40	2	120 VAC	50	**79.00**	**75.00**
L40-773	C25BNB240B	40	2	208/240 VAC	50	**79.00**	**75.00**
L37-843	C25BNF240T	40	2	24 VAC	50	**89.00**	**85.00**
L37-844	C25BNF240A	40	2	120 VAC	50	**115.00**	**105.00**
L37-845	C25BNF240B	40	2	208/240 VAC	50	**115.00**	**105.00**

Replacement Coils

- For use with Eaton 2, 3 and 4 Pole Definite Purpose Contactors

Order #	Mfg. #	Coil Voltage	Contactor Type	Each
L37-565	9-3125-7	277 VAC	25 to 40A, 2 & 3-Pole (Old Style)	**125.00**
L37-566	9-3125-3	440 VAC	25 to 40A, 2 & 3-Pole (Old Style)	**125.00**
L40-776	9-3185-6	24 VAC	25 to 40A, 2 & 3-Pole	**155.00**
L40-777	9-3185-1	104/120 VAC	25 to 40A, 2 & 3-Pole	**155.00**
L40-778	9-3185-2	208/240 VAC	25 to 40A, 2 & 3-Pole	**155.00**
L40-779	9-3185-7	277 VAC	25 to 40A, 2 & 3-Pole	**155.00**
L40-782	9-3186-2	208/240 VAC	50A, 2 & 3-Pole	**189.00**

Order #	Mfg. #	Coil Voltage	Contactor Type	Each
L40-785	9-3256-1	104/120 VAC	25 to 40A, 4-Pole & 60 to 75A, 2 & 3-Pole	**165.00**
L40-786	9-3256-2	208/240 VAC	25 to 40A, 4-Pole & 60 to 75A, 2 & 3-Pole	**165.00**
L40-787	9-3256-7	277 VAC	25 to 40A, 4-Pole & 60 to 75A, 2 & 3-Pole	**155.00**
L40-336	9-3079-2	110/120 VAC	90A, 2 & 3-Pole	**705.00**
L40-338	9-2756-1	110/120 VAC	120A, 3-Pole	**529.00**

2, 3 and 4 Pole Definite Purpose Contactors

- Removable front cover for inspection
- Sealed housing and side shields keep out contaminants and reduces noise
- Exceeds ARI-780 standard and major compressor, electrical and mechanical test standards, including 10,000 recycle test



A



B

Fig.	Order #	Mfg. #	Ind. F/L Amps	Poles	Coil Voltage	Res. Amps	Each	5 Lot
A	**L36-683**	C25DND225T	25	2	24 VAC	35	**125.00**	**119.00**
A	**L36-684**	C25DND225A	25	2	120 VAC	35	**125.00**	**119.00**
A	**L36-714**	C25DND225B	25	2	208/240 VAC	35	**125.00**	**119.00**
A	**L36-685**	C25DND325T	25	3	24 VAC	35	**135.00**	**125.00**
A	**L36-686**	C25DND325A	25	3	120 VAC	35	**135.00**	**129.00**
A	**L36-854**	C25DND325B	25	3	208/240 VAC	35	**135.00**	**129.00**
A	**L36-797**	C25DND230T	30	2	24 VAC	40	**105.00**	**99.00**
A	**L36-899**	C25DND230A	30	2	120 VAC	40	**125.00**	**119.00**
A	**L36-818**	C25DND230B	30	2	208/240 VAC	40	**125.00**	**119.00**
A	**L36-687**	C25DND330T	30	3	24 VAC	40	**115.00**	**109.00**
A	**L36-688**	C25DND330A	30	3	120 VAC	40	**135.00**	**129.00**
A	**L36-689**	C25DND330B	30	3	208/240 VAC	40	**135.00**	**129.00**
A	**L37-300**	C25END430T	30	4	24 VAC	40	**185.00**	**175.00**
A	**L37-301**	C25END430A	30	4	120 VAC	40	**185.00**	**175.00**
A	**L36-829**	C25END430B	30	4	208/240 VAC	40	**185.00**	**175.00**
A	**L36-860**	C25DNF240T	40	2	24 VAC	50	**129.00**	**125.00**
A	**L36-859**	C25DNF240A	40	2	120 VAC	50	**155.00**	**145.00**
A	**L36-741**	C25DNF240B	40	2	208/240 VAC	50	**155.00**	**145.00**
A	**L36-690**	C25DNF340T	40	3	24 VAC	50	**145.00**	**139.00**

Fig.	Order #	Mfg. #	Ind. F/L Amps	Poles	Coil Voltage	Res. Amps	Each	5 Lot
A	**L36-691**	C25DNF340A	40	3	120 VAC	50	**139.00**	**135.00**
A	**L36-692**	C25DNF340B	40	3	208/240 VAC	50	**145.00**	**139.00**
A	**L36-693**	C25ENF440T	40	4	24 VAC	50	**235.00**	**225.00**
A	**L37-302**	C25ENF440A	40	4	120 VAC	50	**229.00**	**215.00**
A	**L36-694**	C25ENF440B	40	4	208/240 VAC	50	**229.00**	**215.00**
A	**L36-695**	C25DNJ350T	50	3	24 VAC	65	**335.00**	**319.00**
A	**L36-696**	C25DNJ350A	50	3	120 VAC	65	**335.00**	**319.00**
A	**L36-740**	C25DNJ350B	50	3	208/240 VAC	65	**335.00**	**319.00**
A	**L36-697**	C25FNF360T	60	3	24 VAC	75	**339.00**	**325.00**
A	**L36-698**	C25FNF360A	60	3	120 VAC	75	**339.00**	**325.00**
A	**L36-730**	C25FNF360B	60	3	208/240 VAC	75	**339.00**	**325.00**
A	**L41-724**	C25FNF375T	75	3	24 VAC	90	**379.00**	**365.00**
A	**L40-329**	C25FNF375A	75	3	120 VAC	90	**379.00**	**365.00**
A	**L40-330**	C25FNF375B	75	3	208/240 VAC	90	**379.00**	**365.00**
B	**L46-524**	F1C25GNF390T	90	3	24 VAC	90	**679.00**	**645.00**
B	**L46-525**	C25GNF390A	90	3	120 VAC	90	**665.00**	**629.00**
A	**L41-726**	C25HNE3120T	120	3	24 VAC	140	**645.00**	**609.00**
A	**L86-760**	C25HNE3120A	120	3	120 VAC	140	**645.00**	**609.00**
A	**L86-761**	C25HNE3120B	120	3	208/240 VAC	140	**645.00**	**609.00**

Contactor Accessories

- **L37-578** is a side mounted auxiliary kit that is heavy-duty pilot rated for 10A at 600VAC with standard pressure plate terminals
- **L40-774** and **L40-775** are side mounted snap switch auxiliary contacts with quick connect terminals



A



B



C



D



E

Fig.	Order #	Mfg. #	Description	For Use With	Interlock Contacts	Each
A	**L37-581**	C321KM60B	Mechanical Interlock Kit	25 to 75A Contactors	—	**32.49**
B	**L37-578**	C320KG3	Auxiliary Contact (Old Style)	25 to 75A Contactors	1 N.O. & 1 N.C.	**40.99**
C	**L40-774**	C320SNP11	Auxiliary Contact	25 to 75A Contactors	1 N.O. & 1 N.C.	**31.49**
D	**L40-775**	C320SNP22	Auxiliary Contact	25 to 75A Contactors	2 N.O. & 2 N.C.	**65.00**
E	**L46-523**	C320DPG11	Auxiliary Contact	90A Contactors	1 N.O. & 1 N.C.	**85.00**
—	**L40-341**	C320KGS22	Auxiliary Contact	120A Contactors	1 N.O. & 1 N.C.	**149.00**

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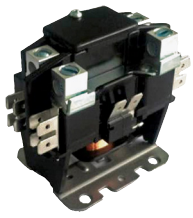
Titan Max 1, 2, and 3 Pole Definite Purpose Contactors

Packard TITAN MAX

- Life cycles tested up to 250,000 electrically and 1,000,000 mechanically
- OEM approved
- Meets the ARI 780/790 standard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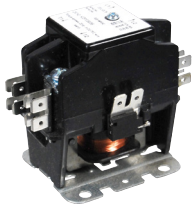
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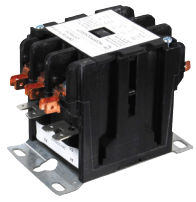
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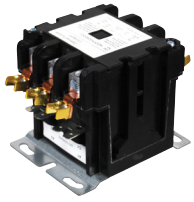
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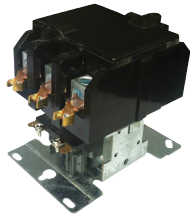
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Fig.	Order #	Mfg. #	Ind. F/L Amps	Poles	Coil Voltage	Res. Amps	Each
A	**L47-759**	TMX125A2	25	1	24	35	**36.99**
A	**L47-760**	TMX125B2	25	1	120	35	**27.49**
A	**L47-761**	TMX125C2	25	1	208/240	35	**27.49**
A	**L47-762**	TMX130A2	30	1	24	40	**27.99**
A	**L47-763**	TMX130B2	30	1	120	40	**29.99**
A	**L47-764**	TMX130C2	30	1	208/240	40	**29.99**
A	**L47-765**	TMX140A2	40	1	24	50	**59.00**
A	**L47-766**	TMX140B2	40	1	120	50	**34.49**
A	**L47-767**	TMX140C2	40	1	208/240	50	**34.49**
B	**L47-768**	TMX225A2	25	2	24	35	**34.49**
B	**L47-769**	TMX225B2	25	2	120	35	**35.99**
B	**L47-770**	TMX225C2	25	2	208/240	35	**34.49**
B	**L47-771**	TMX230A2	30	2	24	40	**29.99**
B	**L47-772**	TMX230B2	30	2	120	40	**29.99**
B	**L47-773**	TMX230C2	30	2	208/240	40	**29.99**
B	**L47-774**	TMX240A2	40	2	24	50	**36.49**
B	**L47-775**	TMX240B2	40	2	120	50	**65.00**
B	**L47-776**	TMX240C2	40	2	208/240	50	**48.49**

Fig.	Order #	Mfg. #	Ind. F/L Amps	Poles	Coil Voltage	Res. Amps	Each
C	**L47-777**	TMX330A2	30	3	24	40	**65.00**
C	**L47-778**	TMX330B2	30	3	120	40	**65.00**
C	**L47-779**	TMX330C2	30	3	208/240	40	**65.00**
C	**L47-780**	TMX340A2	40	3	24	50	**75.00**
C	**L47-781**	TMX340B2	40	3	120	50	**75.00**
C	**L47-782**	TMX340C2	40	3	208/240	50	**75.00**
D	**L47-783**	TMX350A2	50	3	24	65	**195.00**
D	**L47-784**	TMX350B2	50	3	120	65	**195.00**
D	**L47-785**	TMX350C2	50	3	208/240	65	**195.00**
D	**L47-786**	TMX360A2	60	3	24	75	**205.00**
D	**L47-787**	TMX360B2	60	3	120	75	**209.00**
D	**L47-788**	TMX360C2	60	3	208/240	75	**205.00**
E	**L47-789**	TMX375A2	75	3	24	90	**395.00**
E	**L47-790**	TMX375B2	75	3	120	90	**365.00**
E	**L47-791**	TMX375C2	75	3	208/240	90	**365.00**
E	**L47-792**	TMX390A2	90	3	24	120	**449.00**
E	**L47-793**	TMX390B2	90	3	120	120	**449.00**
E	**L47-794**	TMX390C2	90	3	208/240	120	**415.00**

Contactor Replacement Coils for 3 and 4 Pole Contactors

Packard

Order #	Coil Voltage	Contactor Type	Each
L45-041	24	20-40A, 3-Pole	**55.00**
L45-042	120	20-40A, 3-Pole	**55.00**
L45-043	208/240	20-40A, 3-Pole	**55.00**
L45-044	277	20-40A, 3-Pole	**55.00**
L45-045	480	20-40A, 3-Pole	**55.00**
L45-055	24	50-60A, 3-Pole	**99.00**
L45-056	120	50-60A, 3-Pole	**105.00**
L45-057	208/240	50-60A, 3-Pole	**99.00**

Order #	Coil Voltage	Contactor Type	Each
L45-058	277	50-60A, 3-Pole	**105.00**
L45-065	120	75-90A, 3-Pole	**125.00**
L45-066	208/240	75-90A, 3-Pole	**125.00**
L45-071	24	20-40A, 4-Pole	**45.49**
L45-072	120	20-40A, 4-Pole	**48.99**
L45-073	208/240	20-40A, 4-Pole	**45.49**
L45-074	277	20-40A, 4-Pole	**45.49**

Contactor Accessories

Packard

Order #	Description	For Use With	Interlock Contacts	Each
L45-081	Mechanical Interlock	20-40A	—	**19.49**
L45-082	Auxiliary Switch	20-40A	1 SPDT	**24.99**
L45-083	Auxiliary Switch	20-40A	2 SPDT	**28.49**

Order #	Description	For Use With	Interlock Contacts	Each
L45-019	Auxiliary Switch	20-40A	1 N.O. & 1 N.C.	**24.99**
L45-084	Auxiliary Switch	50-60A	1 SPDT	**28.49**
L45-085	Auxiliary Switch	75-90A	1 SPDT	**29.99**



Stop Leaving Projects to Find Parts!
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THAT'S THE POWER OF
JOHNSTONE™

Auxiliary Switches for Titan Max Definite Purpose Contactors



A

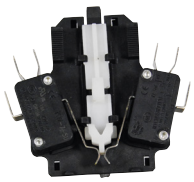
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Fig.	Order #	Mfg. #	For Use With	Interlock Contacts	Each
A	**L47-796**	TMX1NC	30-60A	1NC	**27.49**
A	**L47-797**	TMX1NC/1NO	30-60A	1NC=1NO	**35.49**
A	**L47-798**	TMX1NO	30-60A	1NO	**27.49**
A	**L47-799**	TMX2NC	30-60A	2NC	**37.99**
A	**L47-800**	TMX2NO	30-60A	2NO	**37.99**
B	**L47-801**	TMX2SPDT	30-60A	2SPDT	**40.99**
B	**L47-802**	TMXSPDT1	30-60A	SPDT at position 1	**43.99**
B	**L47-803**	TMXSPDT2	30-60A	SPDT at position 2	**43.99**

1+, 2, 3 and 4 Pole Definite Purpose Contactors

- In accordance with UL Bulletin No. 508 "Industrial Control Equipment," contactors meet specifications for devices up to 600 VAC
- Silver plated contact with cover
- Box lugs and spade terminals standard on all sizes
- Class B coil insulation
- UL recognized for the US and Canada
- Auxiliary switches and replacement coils available


A


B


C

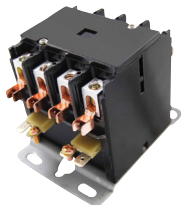
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Fig.	Order #	Ind. F/L Amps	Poles	Coil Voltage	Res. Amps	Each	5 Lot
A	**L45-029**	20	2	24	30	**39.99**	**34.99**
A	**L45-030**	20	2	120	30	**39.99**	**34.99**
A	**L45-031**	20	2	208/240	30	**42.99**	**37.99**
B	**L45-020**	25	1+	24	35	**35.49**	**30.99**
B	**L45-021**	25	1+	120	35	**35.49**	**30.99**
B	**L45-022**	25	1+	208/240	35	**35.49**	**30.99**
A	**L45-032**	25	2	24	35	**39.49**	**34.49**
A	**L45-033**	25	2	120	35	**42.99**	**37.49**
A	**L45-034**	25	2	208/240	35	**42.99**	**37.49**
C	**L45-046**	25	3	24	35	**85.00**	**75.00**
C	**L45-047**	25	3	120	35	**85.00**	**75.00**
C	**L45-048**	25	3	208/240	35	**85.00**	**75.00**
B	**L45-023**	30	1+	24	40	**33.99**	**29.99**
B	**L45-024**	30	1+	120	40	**35.49**	**30.99**
B	**L45-025**	30	1+	208/240	40	**35.49**	**30.99**
A	**L45-035**	30	2	24	40	**38.49**	**33.49**
A	**L45-036**	30	2	120	40	**39.49**	**34.49**
A	**L45-037**	30	2	208/240	40	**39.49**	**34.49**
C	**L45-049**	30	3	24	40	**85.00**	**75.00**
C	**L45-050**	30	3	120	40	**85.00**	**75.00**
C	**L45-051**	30	3	208/240	40	**85.00**	**75.00**
D	**L45-075**	30	4	24	40	**169.00**	**149.00**
D	**L45-076**	30	4	120	40	**169.00**	**149.00**
D	**L45-077**	30	4	208/240	40	**169.00**	**149.00**

Fig.	Order #	Ind. F/L Amps	Poles	Coil Voltage	Res. Amps	Each	5 Lot
B	**L45-026**	40	1+	24	50	**42.49**	**36.99**
B	**L45-027**	40	1+	120	50	**43.49**	**38.49**
B	**L45-028**	40	1+	208/240	50	**43.49**	**38.49**
A	**L45-038**	40	2	24	50	**46.49**	**40.99**
A	**L45-039**	40	2	120	50	**48.99**	**42.99**
A	**L45-040**	40	2	208/240	50	**48.99**	**42.99**
C	**L45-052**	40	3	24	50	**85.00**	**75.00**
C	**L45-053**	40	3	120	50	**85.00**	**75.00**
C	**L45-054**	40	3	208/240	50	**85.00**	**75.00**
D	**L45-078**	40	4	24	50	**179.00**	**159.00**
D	**L45-079**	40	4	120	50	**179.00**	**159.00**
D	**L45-080**	40	4	208/240	50	**179.00**	**159.00**
C	**L45-059**	50	3	24	65	**195.00**	**175.00**
C	**L45-060**	50	3	120	65	**199.00**	**175.00**
C	**L45-061**	50	3	208/240	65	**199.00**	**175.00**
C	**L45-062**	60	3	24	75	**199.00**	**175.00**
C	**L45-063**	60	3	120	75	**205.00**	**185.00**
C	**L45-064**	60	3	208/240	75	**205.00**	**185.00**
C	**L47-416**	75	3	24	90	**499.00**	**439.00**
C	**L45-067**	75	3	120	90	**499.00**	**439.00**
C	**L45-068**	75	3	208/240	90	**499.00**	**439.00**
C	**L45-069**	90	3	120	120	**535.00**	**469.00**
C	**L45-070**	90	3	208/240	120	**535.00**	**469.00**

SureSwitch™ Multi-Volt Contactor



- Multi-Volt design replaces single-phase contactors in A/C and refrigeration
- Multi-Voltage coil reduces truck stock and saves time
- 30/40A, 24/120/208/240 VAC; 1, 1.5 and most 2 pole contactors
- Totally sealed switch keeps out ants, pests and debris
- Brownout protection avoids low voltage stress on compressor
- 5-year limited warranty

Specifications:

- General ratings: Amps: 30/40(FLA) Coil: 24/120/208/240 VAC; Amps: 200 (LRA) Pole; 1 or 1.5, plus most 2 pole contactors

Order #	Mfg. #	Each
L51-022	49M11-843	**149.00**

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Time Start Fan Controls

CAM-STAT

- Replaces all F47TS series controls
- Special fan controls with a built-in "heat-assist" timer
- Time delay turns on the blower as a function of time and/or temperature after the room thermostat calls for heat
- Turns off the blower as a function of temperature at the indicated dial setting of the fan
- 25–60 second time delay @ 24V
- Electrical rating: Timer, "heat assist", 0.08A at 24VAC
- Pilot duty: 40VA at 30 and 120VAC



Order #	Mfg. #	Element Length	Fan Off Temp.	Fan On Diff.	Each
L36-847	FA47TS3-110	3"	80°F to 110°F	50°	**179.00**
L36-848	FA47TS7-110	7"	80°F to 110°F	50°	**189.00**

SPST Switch	120V	240V
Full Load Amps	13.8	8.0

SPST Switch	120V	240V
Locked Rotor Amps	82.8	48.0

Combination Fan and Limit Controls with Start Delay

CAM-STAT

- Includes a "heat assist" time start
- Time delay turns on the blower as a function of time and/or temperature after the room thermostat calls for heat
- Turns off the blower as a function of temperature at the indicated dial setting of the fan
- Limit portion will keep the furnace at a safe operating temperature
- Limit adjustment dial provided to match the setting of the device being replaced
- **L36-849** with shield



Order #	Mfg. #	Element Length	Limit Temp.	Fan Off Temp.	Fan On Diff.	Each
L36-849	FALTS57C-65T-120A	7"	150°F to 250°F	90°F to 120°F	80°F	**205.00**
L37-342	FALTS57C-05T-120A	7"	150°F to 250°F	90°F to 120°F	50°F	**199.00**

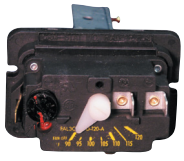
		Terminals 2 & 4 N.O. (Fan)		Terminals 5 & 6 N.C. (Limit)
SPST Switch	120V	240V		120V
Full Load Amps	13.8	8.0		4.4

		Terminals 2 & 4 N.O. (Fan)		Terminals 5 & 6 N.C. (Limit)
SPST Switch	120V	240V		120V
Locked Rotor Amps	82.8	48.0		26.4

Combination Fan and Limit Control

CAM-STAT

- Designed as direct replacements for application in all types of forced-air heating furnaces
- Fan portion incorporates an adjustable fan OFF setting and differential to enable the installer to match the settings of the device being replaced
- Limit portion will keep furnace at a safe operating temperature
- Limit temperature adjustment is provided to match the setting of the device being replaced



Order #	Mfg. #	Element Length	Limit Temp.	Fan Off Temp.	Fan On Diff.	Each
L36-152	FAL3C-05TD-120A	3"	150°F to 250°F	90°F to 120°F	25°F to 50°F	**165.00**

		Terminals 2 & 4 N.O. (Fan)		Terminals 5 & 6 N.C. (Limit)
SPST Switch	120V	240V		120V
Full Load Amps	13.8	†8.0		4.4

		Terminals 2 & 4 N.O. (Fan)		Terminals 5 & 6 N.C. (Limit)
SPST Switch	120V	240V		120V
Locked Rotor Amps	82.8	48.0		26.4

Universal Replacement Fan Controls

CAM-STAT

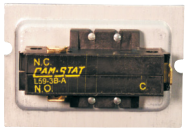
- Adjustable range: 90°F to 120°F
- Adjustable differential: 25°F to 50°F
- Contacts rated: 13.8A @ 120VAC, 8A @ 240VAC, SPST



Order #	Mfg. #	Element Length	Fan Off Temp.	Fan On Diff.	Each
L36-140	F47-3TD-120-25C	3"	90°F to 120°F	25°F to 50°F	**155.00**
L36-141	F47-7TD-120-25C	7"	90°F to 120°F	25°F to 50°F	**155.00**

CAM-STAT

Replacement Limit Controls



- Direct replacement controls have quick connect terminals and adjustment slide to set 120°F to 250°F
- Contacts are rated to handle voltage from mV to 240VAC
- Rated 5.8A @ 120VAC, 2.9A @ 240VAC

Order #	Mfg. #	Element Length	Limit Temp.	Each
L36-138	L59-3B-A	3"	120°F to 250°F	**85.00**
L36-139	L59-7B-A	7"	120°F to 250°F	**85.00**

WHITE-RODGERS

Fan And Limit Controls



- Quick response bimetal element
- Snap action switches guarantee positive ON/OFF operation
- Manual ON fan switch
- Fan control range: 50°F to 265°F; minimum adjustable differential: 15°F
- Adjustable limit range: 100°F to 300°F; fixed limit differential: 25°F
- Rated 14A @ 120VAC

Order #	Mfg. #	Element Length	Limit Temp.	Dimensions	Each
L86-110	5D51-35	5"	100°F to 300°F	3" W x 4-1/4" H x 1-1/2" D	**345.00**
L86-111	5D51-90	8"	100°F to 300°F	3" W x 4-1/4" H x 1-1/2" D	**349.00**
L86-112	5D51-78	11"	100°F to 300°F	3" W x 4-1/4" H x 1-1/2" D	**349.00**

WHITE-RODGERS

Single Fan or Limit Control



- Specially designed element can be bent to any position
- SPDT for use as fan or limit, also as fan "selector" on 2-speed blower applications
- Adjustable range: 100°F to 350°F; fixed differential: 20°F
- Rated 7.4A @ 120VAC; 3.7A @ 240VAC

Order #	Mfg. #	Element Length	Dimensions	Each
L41-807	416-4	9"	2-5/16" W x 5-3/8" H x 1-7/8" D	**555.00**

resideo

High Limit Controls



- Opens line or low voltage circuit and shuts off fan if air temperature reaches set point
- Manual reset
- May be used as a fire stat in ductwork
- Flat bimetal strip inserted directly into airstream actuates snap-acting, SPST, normally closed switch
- Dimensions: 2-5/16" W x 3-3/4" H x 2" D

Order #	Mfg. #	Element Length	Max. Switch Temp.	Limit Temp.	Each
L39-710	L4029E1011	3"	190°F	135°F	**485.00**
L39-711	L4029E1219	3"	190°F	165°F	**475.00**
L39-712	L4029E1227	3"	190°F	125°F	**475.00**

resideo

Fan and Limit Controls



- Faster recognition of temperature changes means safer operation
- Wiring options include push-in connectors, female quick-connects, field add-on screw
- Manual fan switch allows continuous fan operation
- Pilot duty: 2A @ 24VAC; 0.25A @ 0.25 to 12VDC
- Fan ON range: 65°F to 215°F; fan OFF range: 50°F to 200°F
- High limit range: 100°F to 250°F; maximum temperature 350°F
- Dimensions: 3" W x 4-5/16" H x 2" D

Order #	Mfg. #	Element Length	Min. Switch Temp.	Max. Switch Temp.	Fan On Temp.	Mounting	Each
L86-051	L4064B2228	5"	-40°F	190°F	65°F to 215°F	Surface	**365.00**
L86-052	L4064B2236	8"	-40°F	190°F	65°F to 215°F	Surface	**369.00**
L86-050	L4064B2210	11-1/2"	-40°F	190°F	65°F to 215°F	Surface	**379.00**

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Manual Reset Limit Switches

- Open at a predetermined temperature
- Must be manually reset by a qualified technician

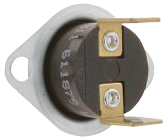


Order #	Mfg. #	Cutout Temp. °F	Replaces	Each
L39-170	SRL130	130	47-22453-01	**20.99**
L39-171	SRL135	135	47-22453-02	**20.99**
L39-172	SRL220	220	626354	**20.99**
L39-173	SRL230	230	626353	**20.99**
L39-174	SRL240	240	626355	**20.99**

Order #	Mfg. #	Cutout Temp. °F	Replaces	Each
L39-175	SRL250	250	626352	**20.99**
L39-176	SRL260	260	626350	**20.99**
L39-177	SRL300	300	47-22861-02, Nordyne 626343	**20.99**
L39-178	SRL350	350	Goodman B13701-54	**20.99**

Auto Reset Limit Switches

- Opens at the sign of excessive temperature in the draft exhaust or around the combustion chamber to shut down operation of the furnace
- Automatically resets after reset temperature has been satisfied

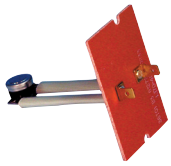


Order #	Mfg. #	Cutout Temp. °F	Cut-In Temp. °F	Each
L39-160	SLS140	140	100	**18.99**
L39-162	SLS150	150	110	**18.99**
L39-164	SLS160	160	120	**18.99**

Order #	Mfg. #	Cutout Temp. °F	Cut-In Temp. °F	Each
L39-166	SLS170	170	130	**18.99**
L39-168	SLS180	180	140	**18.99**
L39-169	SLS200	200	160	**18.99**

Direct Replacement Plenum Thermostats

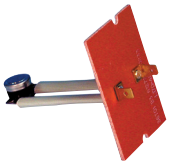
- Thermostats open when temperature in the furnace plenum area is too high
- Shuts down furnace until the temperature cools to an acceptable level



Order #	Mfg. #	Close Temp. °F	Open Temp. °F	Replaces	Each
L39-179	SHL501	130	170	Bryant HH12ZA174Z, Carrier HH12ZA176A, P331-2203	**55.00**
L39-180	SHL502	150	180	Lennox 26H6501, Carrier HH12ZA178A, Goodman B1370001	**55.00**
L39-181	SHL503	150	190	Bryant HH12ZA189, Carrier HH12ZA193A, P331-2205	**55.00**
L39-182	SHL504	200	240	Bryant HH12ZA240, Carrier HH12ZA252Z, P331-2217	**55.00**

Plenum Thermostats

- Thermostats open when temperature in the furnace plenum area is too high
- Shuts down furnace until the temperature cools to an acceptable level

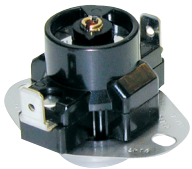


Order #	Mfg. #	Close Temp. °F	Open Temp. °F	Width	Height	Length	Each
L39-183	SHL505	100	140	1.88"	2.8"	1.87"	**41.99**
L39-184	SHL506	130	170	1.88"	2.8"	1.87"	**41.99**
L39-185	SHL507	110	140	1.88"	2.8"	3.12"	**41.99**
L39-186	SHL508	170	190	1.88"	2.8"	3.12"	**41.99**
L39-187	SHL509	210	240	1.88"	2.8"	3.12"	**41.99**
L39-188	SHL510	130	150	1.625"	1.44"	3.12"	**41.99**
L39-189	SHL511	140	160	1.625"	1.44"	3.12"	**41.99**
L39-190	SHL512	150	170	1.625"	1.44"	3.12"	**41.99**
L39-191	SHL513	130	170	1.88"	2.94"	3.12"	**41.99**
L39-192	SHL514	140	180	1.88"	2.94"	3.12"	**41.99**
L39-193	SHL515	160	200	1.88"	2.94"	3.12"	**41.99**

Order #	Mfg. #	Close Temp. °F	Open Temp. °F	Width	Height	Length	Each
L39-194	SHL516	170	210	1.88"	2.94"	3.12"	**41.99**
L39-195	SHL517	180	220	1.88"	2.94"	3.12"	**41.99**
L39-196	SHL518	210	250	1.88"	2.94"	3.12"	**41.99**
L39-197	SHL519	125	155	1.88"	2.8"	7.12"	**42.99**
L47-197	SHL520	80	100	1.88"	2.8"	7.12"	**42.99**
L47-198	SHL521	180	200	1.88"	2.8"	7.12"	**42.99**
L47-199	SHL522	140	160	1.88"	2.8"	7.12"	**42.99**
L47-200	SHL523	110	130	1.88"	2.8"	7.12"	**42.99**
L47-201	SHL524	150	170	1.88"	2.8"	7.12"	**42.99**
L47-202	SHL525	160	180	1.88"	2.8"	7.12"	**42.99**

Therm-O-Disc Adjustable Snap Disc Thermostats

- This series of adjustable thermostats replaces the majority of factory set disc thermostats now on heating equipment and various appliances



Order #	Mfg. #	Application	Diff.	Switch Action	Temp. Range	Each	3 Lot
L36-481	AT021	Fan	20°F	SPST, Close on Rise	90°F to 130°F	**31.99**	**28.49**
L36-482	AT022	Fan	20°F	SPST, Close on Rise	140°F to 180°F	**31.99**	**28.49**
L36-483	AT012	Limit	20°F	SPST, Open on Rise	135°F to 175°F	**31.99**	**28.49**
L36-484	AT013	Limit	40°F	SPST, Open on Rise	175°F to 215°F	**31.99**	**28.49**
L36-485	AT014	Limit	40°F	SPST, Open on Rise	210°F to 250°F	**31.99**	**28.49**
L37-113	AT015	Limit	40°F	SPST, Open on Rise	250°F to 290°F	**31.99**	**28.49**

Thermal Cut Off

- 300°F with 90° terminal
- Microtemp #4K4300, color code: gray



Order #	Mfg. #	Description	Open Temp. °F	Each
L38-257	ELE-NTCK300	Cut off	300	**9.25**

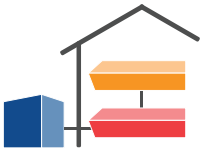
Therm-O-Disc Set Differential And Snap Disc Thermostats

- These set differential controls are for OEM and replacement use
- SPST single circuit control for fans and blowers and high limit safety
- SPDT 2-circuit control for universal use on two-speed blowers, high limit alarms, etc.
- SPST limit controls are available in automatic and manual pushbutton reset models



Order #	Mfg. #	Application	Temp. Range	Type	Reset Type	Each
L36-109	3F01-110	Fan	110°F to 90°F	SPST	—	**20.99**
L36-110	3F01-120	Fan	120°F to 110°F	SPST	—	**20.99**
L36-111	3F01-130	Fan	130°F to 115°F	SPST	—	**20.99**
L36-112	3F01-140	Fan	140°F to 120°F	SPST	—	**20.99**
L36-113	3F01-150	Fan	150°F to 130°F	SPST	—	**20.99**
L36-114	3F01-160	Fan	160°F to 140°F	SPST	—	**20.99**
L36-115	3F01-180	Fan	180°F to 160°F	SPST	—	**20.99**
L36-116	3F01-200	Fan	200°F to 180°F	SPST	—	**20.99**
L36-117	3F01-350	Fan	350°F to 320°F	SPST	—	**20.99**
L36-045	3L01-140	Limit	100°F to 140°F	SPST	—	**20.99**
L36-046	3L01-150	Limit	110°F to 150°F	SPST	—	**20.99**
L36-047	3L01-170	Limit	130°F to 170°F	SPST	—	**20.99**
L36-118	3L01-180	Limit	140°F to 180°F	SPST	—	**20.99**
L36-119	3L01-190	Limit	150°F to 190°F	SPST	Auto	**20.99**

Order #	Mfg. #	Application	Temp. Range	Type	Reset Type	Each
L36-120	3L01-200	Limit	160°F to 200°F	SPST	Auto	**20.99**
L36-121	3L01-230	Limit	190°F to 230°F	SPST	Auto	**20.99**
L36-122	3L01-250	Limit	210°F to 250°F	SPST	Auto	**20.99**
L36-123	3L01-300	Limit	250°F to 300°F	SPST	Auto	**20.99**
L36-124	3L01-350	Limit	310°F to 350°F	SPST	Auto	**20.99**
L36-126	3L02-160	Limit	160°F Fixed	SPST	Manual	**34.49**
L36-127	3L02-170	Limit	170°F Fixed	SPST	Manual	**34.49**
L36-128	3L02-180	Limit	180°F Fixed	SPST	Manual	**34.49**
L36-129	3L02-190	Limit	190°F Fixed	SPST	Manual	**34.49**
L36-130	3L02-200	Limit	200°F Fixed or Cutout	SPST	Manual	**34.49**
L36-131	3L03-140	2 Circuit	140°F Fixed Circuit #1/120°F Fixed Circuit #2	SPDT	—	**31.99**
L36-132	3L03-190	2 Circuit	190°F Fixed Circuit #1/170°F Fixed Circuit #2	SPDT	—	**31.99**



Mini-Split Selector

Quick • Accurate • Easy

Quick
Real-time pricing and availability

Accurate
Single-zone or multi-zone system matches

Easy
Effortless indoor style selection and identification



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Therm-O-Disc Fan and Limit Thermostats

- Open on rise
- L series single-pole, single-throw, two terminal
- LD series single pole, double throw, three terminal

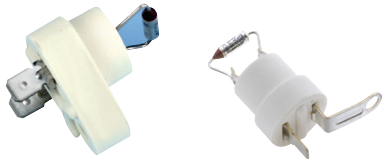


Order #	Mfg. #	Open Temp. °F	Close Temp. °F	Type	Each
K34-855	L120	120	110	SPST	**10.49**
K34-856	L125	125	115	SPST	**10.49**
K34-857	L130	130	115	SPST	**10.49**
K34-858	L135	135	120	SPST	**10.49**
K34-859	L140	140	120	SPST	**10.49**
K34-860	L145	145	125	SPST	**10.49**
K35-122	L150	150	130	SPST	**10.49**
K34-862	L155	155	135	SPST	**10.49**
K34-863	L165	165	145	SPST	**10.49**
K34-864	L170	170	150	SPST	**10.49**
K35-123	L180-20	180	160	SPST	**10.49**
K35-232	L190	190	150	SPST	**10.49**
K34-866	L200	200	160	SPST	**10.99**
K34-867	L205	205	165	SPST	**10.49**
K34-868	L225	225	185	SPST	**10.49**
K34-869	L240	240	200	SPST	**10.49**

Order #	Mfg. #	Open Temp. °F	Close Temp. °F	Type	Each
K34-870	L250	250	210	SPST	**10.49**
K34-871	L260	260	220	SPST	**10.49**
K34-872	L270	270	230	SPST	**10.49**
K35-234	L290	290	250	SPST	**10.49**
K34-873	L300	300	250	SPST	**10.49**
K35-125	L320	320	280	SPST	**10.49**
K35-126	L340	340	300	SPST	**11.49**
K35-128	LD120	120	105	SPDT	**18.49**
K35-233	LD140	140	120	SPDT	**18.49**
K35-130	LD145	145	125	SPDT	**18.49**
K35-131	LD155	155	135	SPDT	**18.49**
K35-132	LD170	170	150	SPDT	**18.49**
K35-133	LD200	200	160	SPDT	**18.49**
K35-134	LD225	225	185	SPDT	**18.49**
K35-136	LD270	270	230	SPDT	**18.49**

Thermal Cut Offs

- For electric furnaces, heat pumps and duct heaters
- Complete unit is easily replaced rather than soldering the fusible link
- Known as “one-shot” or TCO, the cut off interrupts the electrical circuit when operating temperatures exceed the rated temperature
- Maximum 15A and 250VAC



A B

Fig.	Order #	Mfg. #	Description	Open Temp. °F	Open Temp. °C	Each
A	**L37-940**	STC5257	Cut-Off	262	128	**13.49**
A	**L37-941**	STC5300	Cut-Off	306	152	**13.49**
A	**L37-942**	STC5333	Cut-Off	333	167	**13.49**

Fig.	Order #	Mfg. #	Description	Open Temp. °F	Open Temp. °C	Each
A	**L39-134**	STC5377	Cut-Off	378	192	**13.49**
B	**L39-135**	STC6257	Cut-Off	262	128	**15.49**
B	**L39-136**	STC6333	Cut-Off	333	167	**15.49**

Thermal Cut Off Fusible Links

- Available in a range of temperatures for a variety of different applications
- Rated for continuous operating currents of up to 10A @ 250VAC (15A @ 120VAC)



Order #	Mfg. #	Description	Open Temp. °F	Open Temp. °C	Each	10 Lot
L37-943	STC4257	Link	262	128	**6.55**	**5.85**
L37-944	STC4283	Link	291	144	**6.55**	**5.85**
L37-146	ELE-NTC300	Link	300	152	**3.25**	**2.89**
L37-945	STC4333	Link	333	167	**6.55**	**5.85**

Order #	Mfg. #	Description	Open Temp. °F	Open Temp. °C	Each	10 Lot
L39-131	STC4358	Link	363	184	**6.35**	**5.65**
L39-132	STC4438	Link	442	228	**6.35**	**5.65**
L39-133	STC4468	Link	464	240	**6.35**	**5.65**

Humidity Control

- Provides low voltage control of equipment
- Manual control with simple comfort range scale



Order #	Mfg. #	Mounting	Color	Type	Each
L37-145	MHX3C	Duct or Wall	White	Manual	**95.00**

Humidistat SPDT Switch



- For low or line voltage
- SPDT contact action provides control of humidifying or dehumidifying equipment
- Mounts on a flat surface or on a standard 2" x 4" outlet box
- Dial lock feature
- Range: 10% to 90% relative humidity
- Pilot duty: 125VA @ 120/240VAC

Order #	Mfg. #	Each
L36-821	W42AA-1C	**475.00**

Current Sensors

- Contact closes when current is sensed, perfect for activating power to humidifiers, air cleaners and other equipment
- SPST switch action
- NEMA 1 rated housing
- Includes removable mounting tab
- **L42-855** and **L42-856** include LEDs to show when sensor is over or under trip point
- Dimensions: 1.46" W x 2.05" H x 1.51" D (**L42-853**, **L42-854** and **L42-855**); 2" W x 2.52" H x 1.75"D (**L42-856** and **L42-857**)



A



B



C



D

Fig.	Order #	Mfg. #	Description	Range	Output	Each
A	**L42-853**	RIBXKF	Solid Core Current Sensor w/ 16" Leads	.25 to 150A	30VAC/VDC	**65.00**
B	**L42-854**	RIBXKTF	Solid Core Current Sensor w/ Terminal Strip	.25 to 150A	30VAC/VDC	**65.00**
B	**L42-855**	RIBXKTA	Solid Core Current Sensor w/ Terminal Strip	.50 to 150A	30VAC/VDC	**95.00**
C	**L42-856**	RIBXGTA	Split Core Current Sensor w/ Terminal Strip	.75 to 150A	30VAC/VDC	**105.00**
D	**L42-857**	RIBXGHF	Split Core Current Sensor w/ 16" Leads	.50 to 150A	120VAC	**115.00**

Current Switch



- Solid core switches with fixed or adjustable trip points
- Low operating trip points
- LED status indication
- Integral DIN rail mounting flange
- Accepts up to a 350 MCM (17.3 mm) cable
- Operates up to 250A
- RoHS and WEEE Compliant
- Limited 5-year warranty

Order #	Mfg. #	Description	Range	Output
L44-391	CSS-C-F5-001	Solid Core "Go/No Go" Current Switch, Normally Closed	0-250A	0.15A at 300VAC/VDC

Current Transmitters



A



B

- Solid or split core loop-powered current transmitters for 4-20 mA models
- Integral DIN rail mounting flange
- Polarity sensitive output
- Accepts up to a 350 MCM (17.3 mm) cable
- Operates up to 250A
- True RMS versions are available
- RoHS and WEEE compliant
- Limited 5-year warranty

Fig.	Order #	Mfg. #	Description	Range	Output
A	**L44-401**	CTS-20-250-VFD-001	Solid Core Loop Powered Current Sensor Adjustable	0-100/200/250A	4-20mA
B	**L44-404**	CTP-20-200-AVG-001	Split Core Loop Powered Current Sensor Adjustable	0-100/0-200/0-250A	4-20mA

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Current Sensing Relays

- For use with humidifiers and electronic air cleaners
- Relay closes when current is sensed, activating power to humidifier or electronic air cleaner



Order #	Mfg. #	Volts	Application	Each
B15-334	GA50	24	Humidifiers	**75.00**
B15-335	GA51	120	Electronic Air Cleaners	**99.00**

Air Pressure Sensing Switch Kits

- Ideal for aftermarket residential furnace, electronic air cleaner and humidifier applications
- Adjustable set point ranges have been factory set to activate on a pressure rise



Order #	Mfg. #	Range	Temp. Range	Each
L39-313	RSS-495-210	0.25 to 1.0 W.C.	-40°F to +190°F	**159.00**
L39-314	RSS-498-211	1.0 to 4.0 W.C.	-40°F to +180°F	**169.00**

Air Switch

- Replaces 100 small footprint air switches



Order #	Mfg. #	Description	Each
L45-006	NS2-0000-03	Universal Air Switch	**129.00**

Barb Fitting

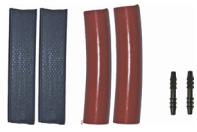
- Used with **L37-510** and **L37-511**
- Tube I.D. 1/4"; pipe size 1/8
- Lead free



Order #	Mfg. #	Each	10 Lot
R57-446	JS-LF3110104029826	**2.25**	**2.05**

Square Air Switch Tubing

- Square to avoid kinking
- Contains 5' of 3/6" ID no-kink air switch tubing
- 1800 max PSIG and temp range of -40°F to +300°F
- Meets ASTM D200
- The kit easily replace a corroded tube without replacing the entire tube
- Kit includes (2) Double barb fitting, (2) 3" square air switch tubing and (2) 3" square silicone tubing



Order #	Mfg. #	Description	Each
R58-794	SQAST-5	Square Tubing	**33.99**
R58-795	SQAST-KIT	Square Tubing Kit	**30.99**

Neoprene Air Tubing

- Temperature Range: 0°F to 160°F (-17°C to 71°C)
- Pressure Range: -20 to 20 in. W.C.



Order #	Mfg. #	Description	Each
R58-235	SNAT185	1/8" ID x 5'	**17.49**
R58-236	SNAT3165	3/16" ID x 5'	**13.99**
R58-237	SNAT316100	3/16" ID x 100'	**189.00**

Silicone Air Tubing



- NSF 51, Soft , Red
- Temperature Range: -100°F to +500°F (-73°C to +260°C)
- 5' rolls

Order #	Mfg. #	Description	Each
R58-232	SSRT185	.125" I.D. and 5/16" O.D. 25 PSI Working Pressure x 75 PSI Burst Pressure	**13.99**
R58-233	SSRT3165	3/16" I.D and 5/16: O.D.20 PSI Working Pressure x 60 PSI Burst Pressure	**13.99**
R58-234	SSRT145	1/4" I.D. and 3/8" O.D. 5 PSI Working Pressure x 15 PSI Burst Pressure	**13.99**

Multi-Purpose Air Flow Switch



- Used to sense low pressure or differentials of pressure on vacuum
- Field adjustable from 0.05" to 12.00" W.C.
- SPDT switch rated 15A @ 125/250/277VAC
- One 12" piece of 1/4" O.D. flexible tubing included

Order #	Mfg. #	Model #	Description	Switch Action	Type	Range	Includes
L36-817	RH3A9	RH3A9	Multi-Purpose Airflow Switch	SPDT	Adjustable	0.05" to 12.00" W.C.	One 12" piece of 1/4" O.D. flexible tubing

Dual Purpose Air Switch



- Responds to positive, negative or differential air pressure
- Field adjustable from .07" to 12" W.C.
- Switch action: SPDT
- Furnished with one 6" piece 1/4" O.D. flexible tubing, nuts and ferrules

Order #	Mfg. #	Temp. Range	Each
L39-558	770-1	-40°F - +180°F	**155.00**

Air Pressure Sensing Switch



- Senses positive, negative or differential air pressure
- Set point range: 0.05 ± .02" W.C. to 12.0" W.C.
- SPDT switch rated 15A @ 125/250/277VAC
- One 12" piece of 1/4" O.D. flexible tubing included

Order #	Mfg. #	Each
L39-312	AFS-222-201	**159.00**

Universal Air Pressure Sensing Switch



- Contains a glass-filled polycarbonate housing containing a sensing diaphragm and an integral snap-acting switch with three male 90° quick-connect terminals
- Can sense positive, negative or differential air pressure switch
- Field adjustable set-point range .10" W.C. to 10.0" W.C.
- Accessories can be applied to a wide variety of residential and light commercial applications

Order #	Mfg. #	Model #	Description	Switch Action	Type	Range	Temp. Range	Each
L46-987	2374-510	NS2-0000-08	Universal Air Sensing Switch Kit	Snap-acting	Glass-Filled Polycarbonate Housing	0.10" W.C. to 10.0" W.C.	-40°F to +190°F	**85.00**

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Differential Pressure Switches



- For sensing air-flow in ducts
- Adjustable set point with scale
- Range in. W.C. (kPa): 0.05 to 5
- Sensitivity in. W.C. (kPa): **B13-738** — 0.04; **B13-739** and **B13-740** — 0.025

Order #	Mfg. #	Switch Action	Includes	Each
B13-738	P32AC-2C	SPDT	1/4" Compression Fitting, 4" Extension Tube, Gasket & "U" Mounting Bracket	**315.00**
B13-739	P32AF-1C	SPDT	"L" Mounting Bracket	**279.00**
B13-740	P32AF-2C	SPDT	1/4" Compression Fitting, 4" Extension Tube, Gasket & "U" Mounting Bracket	**289.00**

Honeywell Home

Sail Switch



- Activates equipment that is energized when fan is operating
- Designed for use in electric heating systems to prove minimum airflow
- Allows wiring of equipment independently of blower motor
- Senses vertical or horizontal airflow
- Normally open contacts make at 250 FPM, break at 75 FPM; normally closed contacts make at 75 FPM, break at 250 FPM
- Maximum ambient temperature: 125°F at switches, 170°F at sail
- Dimensions:3-3/4" W x 2-5/16" H x 2-1/8" D
- Switching action: SPDT

Order #	Mfg. #	Description	Each
L36-820	S688A1007	Sail Switch	**245.00**
L40-749	123773A	Replacement Sail	**85.00**

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Dual Valve Combination Gas Controls



A



B

- Conforms to latest ANSI safety standards for redundant valves
- Two automatic valves meet dual safety shut-off code requirements
- First valve is solenoid-operated, second is diaphragm-operated
- Inlet and outlet pressure taps allow troubleshooting
- Easy pilot adjustment for optimum flame
- Natural to LP gas conversion kit included with all models except **L39-032**
- Reducer bushings included
- **L39-813**, **L39-815** and **L39-808** include Q340 thermocouple kit
- Wire connections: 1/4" male quick-connects

UNIVERSAL PARTS

Fig.	Order #	Mfg. #	Volts	BtuH Capacity	Opening Style	Inlet Conn.	Outlet Conn.	Side Tap	Each
A	**L37-697**	VR8300A3500	24VAC	190,000	Standard	1/2"	3/4"	No	**369.00**
A	**L39-813**	VR8300A3518	24VAC	190,000	Standard	1/2"	3/4"	No	**469.00**
A	**L39-814**	VR8300A4508	24VAC	200,000	Standard	3/4"	3/4"	No	**469.00**
A	**L39-815**	VR8300A4516	24VAC	200,000	Standard	3/4"	3/4"	No	**509.00**
A	**L47-328**	VR8300M4406	24VAC	200,000	Standard	3/4"	3/4"	—	**489.00**
A	**L39-032**	VR8300C4506	24VAC	200,000	Step	3/4"	3/4"	No	**755.00**
B	**L39-808**	VR8200A2124	24VAC	130,000	Standard	1/2"	1/2"	No	**405.00**
B	**L37-432**	VR8200A2132	24VAC	130,000	Standard	1/2"	1/2"	No	**315.00**
B	**L39-809**	VR8200H1251	24VAC	130,000	Slow	1/2"	1/2"	No	**419.00**

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Combination Gas Controls



- Inlet and outlet pressure taps allow troubleshooting
- Easy pilot adjustment for optimum flame
- Diaphragm type main valve closes automatically if gas or power supply is interrupted
- Add separate energy cut-off where codes call for dual safety shutoff
- Angle flanges available for side tap applications
- Reducer bushing included
- **L37-018** uses a 750mV pilot generator
- **L39-807** and **L37-018** for natural gas only
- **L39-818** for LP only
- Temperature range: -40°F to +175°F

Order #	Mfg. #	Volts	BtuH Capacity	Opening Style	Inlet Conn.	Outlet Conn.	Side Tap	Each
L39-806	V800A1591	24VAC	335,000	Standard	3/4"	3/4"	No	**1199.00**
L39-807	V800C1052	24VAC	335,000	Step	3/4"	3/4"	No	**2399.00**
L37-018	VS820A1047	750mV	250,000	Standard	1/2"	3/4"	Yes	**1599.00**
L39-818	VS820A1336	750mV	335,000	Standard	3/4"	3/4"	Yes	**1545.00**

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Dual Valve Gas Controls

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- With VR8215 Direct Ignition Gas Valves, two valves replace 61 OEM and competitor controls
- The multipoise valves can be mounted in any direction and feature a 2.35" swing radius
- The direct ignition gas valves have capacities from 15 to 200 CFH natural gas



Order #	Mfg. #	Volts	BtuH Capacity	Opening Style	Inlet Conn.	Outlet Conn.	Side Tap	Each
L47-616	VR8215S1503	24VAC	200,000	Standard	1/2"	1/2"	No	**265.00**
L47-617	VR8215T1502	24VAC	190,000	Slow	1/2"	1/2"	No	**275.00**

Parts and Accessories for Combination Gas Controls

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Order #	Mfg. #	Description	Each
Conversion Kits			
L47-422	394588	Single Stage LP to Natural Gas Conversion Kit; 3" to 5" Adjustment Range. Includes: Regulator Spring, O-ring, Screw and Cap	**35.99**
L47-423	393691	Single Stage Natural to LP Gas Conversion Kit; 8" to 12" Adjustment Range. Includes: Regulator Spring, O-ring, Screw and Cap	**35.99**
L47-425	396221	Single Stage Natural to LP Gas Conversion Kit; 8" to 12" Adjustment Range. Includes: Regulator Spring, O-ring and Adjustment Screw. Reuse Existing Cap Screw.	**35.99**
Compression Fitting			
L47-427	392449-1	Compression Fitting; 1/8" OD Pilot Tubing. 0.78" Overall Length	**33.49**
Flanges			
L37-434	393690-13	Flange Kit Bag Assembly. Includes 1/2" Angle Flange, O-ring, 9/64" Hex Screws and 9/64" Hex Wrench	**46.99**
L37-435	393690-15	Flange Kit Bag Assembly. Includes 3/4" Angle Flange, O-ring, 9/64" Hex Screws and 9/64" Hex Wrench	**48.99**

Intermittent Dual Valve Combination Gas Controls

resideo

- Gas valves for use in 24VAC, gas-fired, intermittent pilot appliances with capacities from 30 to 415CFH
- Use with S86F, H; S860D; S8600F, H; S8610 and S90A, B modules
- First valve is solenoid-operated, second is diaphragm-operated
- Conforms to latest ANSI safety standards for redundant valves
- Includes safety shutoff, manual valve, two automatic operators, pressure regulator and pilot adjustment
- All models are for natural gas

Specifications:

- Wiring connections: 1/4" male quick-connects
- Temperature range: -40°F to +175°F
- **L39-033**: Pressure regulator setting: 0.9" Step, 3.5" W.C.



Order #	Mfg. #	Volts	BtuH Capacity	Opening Style	Inlet Conn.	Outlet Conn.	Side Tap	Each
L39-810	VR8204A2076	24VAC	150,000	Standard	1/2"	1/2"	No	**445.00**
L39-033	VR8304P4504	24VAC	300,000	Step	3/4"	3/4"	No	**735.00**
L40-750	VR8304H4503	24VAC	300,000	Slow	3/4"	3/4"	No	**705.00**

Direct Ignition Dual Valve Combination Gas Controls

resideo

- Combination gas control for use with hot surface/direct spark systems in 24VAC, gas-fired appliances, with capacities from 30 to 415CFH
- Use with S89C,E,F and S87 series 5 and later control modules
- Conforms to latest ANSI safety standards for redundant valves
- Includes safety shutoff, manual valve, two automatic operators and pressure regulator

Specifications:

- Wiring connections: 1/4" male quick-connects
- Temperature range: -40°F to +175°F



A



B

Fig.	Order #	Mfg. #	Volts	BtuH Capacity	Opening Style	Inlet Conn.	Outlet Conn.	Side Tap	Each
A	**L39-817**	VR8305M3506	24VAC	300,000	Standard	1/2"	3/4"	No	**519.00**
B	**L39-811**	VR8205A2024	24VAC	150,000	Standard	1/2"	1/2"	No	**509.00**
B	**L39-812**	VR8205H1003	24VAC	150,000	Slow	1/2"	1/2"	No	**459.00**

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Universal Electronic Ignition Gas Valves



- Wide-capacity control for almost any IP, HSI or DSI gas-fired appliances
- 1/8" NPT inlet and outlet taps on top of valve to allow adjustment in problem installations
- Multipoise mounting allows 0° to 90° installation
- Includes terminal block, pilot plug, two 1/2" x 3/4" reducer bushings and one 1/2" x 3/8" bushing (except **L41-696**)
- Temperature range: -40°F to +175°F

Order #	Mfg. #	Volts	BtuH Capacity	Opening Style	Inlet Conn.	Outlet Conn.	Each
L41-694	VR8345H4555	24VAC	300,000	Slow	3/4"	3/4"	**505.00**
L37-927	VR8345M4302	24VAC	300,000	Standard	3/4"	3/4"	**375.00**
L41-695	VR8345Q4563	24VAC	300,000	2-Stage	3/4"	3/4"	**455.00**
L41-696	VR8245M2530	24VAC	150,000	Standard	1/2"	1/2"	**355.00**

SIC

Nitride Ignitor/Flame Rod Assembly



- Replaces the original ignitor/flame rod assembly used with Honeywell Smart-Valves
- Durable nitride design will not break like carbide version
- Installs without removing the pilot burner
- Includes spring clip

Order #	Mfg. #	Each
L41-975	MM643KX	**79.00**

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2-Stage Gas Valve



- Used in Goodman, Lennox and Trane units
- Replaces the most common VR9205 valves

Order #	Mfg. #	Volts	BtuH Capacity	Opening Style	Inlet Conn.	Outlet Conn.	Each
L48-288	VR9205Q1507	24VAC	200,000	Standard	1/2"	1/2"	**455.00**

resideo

SmartValve™ Gas Controls



A



B

- For direct replacement of OEM installations
- Inlet and outlet pressure tap accessible through top of unit
- Low voltage hot surface element lights pilot quickly
- Flame rectification proves pilot flame before main gas flows
- Appliance automatically resets after gas or power outage
- Universal kits include natural to LP conversion and 3⁄4" to 1⁄2" bushings
- Universal family increases service efficiency and reduces truck and warehouse inventory

Specifications:
- Size: 1/2" inlet x 1/2" outlet
- Ignitor warm-up time: 5 seconds (nominal)
- Voltage and frequency: 24VAC, 50/60 Hz
- System transformer: 40VA minimum, NEMA rated
- Thermostat current: 0.2A

Note: Do not attempt to apply this control except as a direct replacement for the specific Honeywell models noted in the cross-reference chart on the next page.

Fig.	Order #	Mfg. #	Application	Opening Style	Temp. Range	Includes	Each
A	**L41-675**	SV9541Q2561	Intermittent HSI Pilot w/Combustion Air Control & Limit Monitoring	2-Stage	-40°F to +175°F	—	**965.00**
A	**L41-676**	SV9641M4510	Intermittent HSI Pilot w/Combustion Air Control & Limit Monitoring	Standard	-40°F to +175°F	LP Conversion Kit, Two 3/4" to 1/2" Bushings	**1045.00**
A	**L41-677**	SV9510M2511	Direct Ignition	Standard	-40°F to +175°F	LP Conversion Kit	**945.00**
A	**L41-678**	SV9520H8513	Direct Ignition	Fast-Slow	0°F to 175°F	LP Conversion Kit	**979.00**
A	**L41-679**	SV9510K2539	Direct Ignition	Slow	-40°F to +175°F	LP Conversion Kit	**959.00**
A	**L41-680**	SV9520M2536	Direct Ignition	Standard	-40°F to +175°F	LP Conversion Kit	**945.00**
A	**L41-681**	SV9601M4571	Intermittent HSI Pilot	Standard	-40°F to +175°F	LP Conversion Kit, Two 3/4" to 1/2" Bushings	**1099.00**

continued on next page

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Fig.	Order #	Mfg. #	Application	Opening Style	Temp. Range	Includes	Each
A	**L38-718**	SV9501M2528	Intermittent HSI Pilot	Standard	-40°F to +175°F	LP Conversion Kit	**809.00**
A	**L38-719**	SV9501M8129	Intermittent HSI Pilot	Fast-Fast	-40°F to +175°F	LP Conversion Kit	**935.00**
A	**L38-720**	SV9502H2522	Intermittent HSI Pilot	Slow	0°F to 175°F	LP Conversion Kit	**989.00**
A	**L41-682**	SV9602P4816	Intermittent HSI Pilot	Step	-40°F to +175°F	Two 3/4" to 1/2" Bushings	**945.00**
A	**L41-683**	SV9602P4824	Intermittent HSI Pilot	Step	-40°F to +175°F	Two 3/4" to 1/2" Bushings	**909.00**
A	**L41-684**	SV9602P4832	Intermittent HSI Pilot	Step	-40°F to +175°F	Two 3/4" to 1/2" Bushings	**905.00**
B	**L38-632**	Q3400A1024	Ignitor Flame Rod Assembly	—	—	—	**215.00**

Smartvalve Cross Reference

Order #	Mfg. #	Replaces				
L41-673	SV9570A2518	SV9570A2054	SV9570A2070	SV9570A2096	SV9570A2161	
L41-674	SV9570A2526	SV9570A2062	SV9570A2088	SV9570A2187	SV9570A2179	
L41-675	SV9541Q2561	SV9540Q2464	SV9541Q3098			
L41-676	SV9641M4510	SV9541M2094	SV9540M2229	SV9540M2260	SV9640M4116	SV9640M4124
		SV9540M2278	SV9540M2245	SV9640M3126	SV9640M4132	
L41-677	SV9510M2511	SV9510M2347	SV9510M2362	SV9410M2902	SV9510M2412	SV9510M2354
		SV9410M2910	SV9510M2388	SV9510M2420		
L41-678	SV9520H8513	SV9520H8042	SV9520H8034	SV9520H8067	SV9520H8026	
L41-679	SV9510K2539	SV9510H2228	SV9510K2133	SV9510K2158	SV9510K2141	SV9510K2166
L41-680	SV9520M2536	SV9420M2331	SV9520M2403	SV9420M2323		
L41-681	SV9601M4571	SV9501M2080	SV9601M4167	SV9601M3003	SV9601M4225	
L38-718	SV9501M2528	SV9501M2056	SV9501M2718	SV9501M2726	SV9501M2031	SV9501M2049
		SV9501M2239	SV9501M2700	SV9501M2734	SV9501M2742	SV9501M2064
L38-719	SV9501M8129	SV9501M8103				
L38-720	SV9502H2522	SV9501H3415	SV9501H2417	SV9501H2409	SV9502H1706	SV9502H2704
		SV9501H3423	SV9501H2425			
L41-682	SV9602P4816	SV9501P2004	SV9601P4107	SV9501P2053	SV9502P2101	SV9602P4105
L41-683	SV9602P4824	SV9501P2087	SV9601P4172	SV9502P2127	SV9602P4121	
L41-684	SV9602P4832	SV9501P2020	SV9501P2046	SV9601P4149	SV9601P4164	SV9502P2119
		SV9502P2135	SV9602P4113	SV9602P4139		
L41-685	SV9602P4840	SV9601P4115				

Standing Pilot Gas Valves

WHITE-RODGERS

- Replaces over 600 OEM & Competitive models
- Ideal for general purpose replacement on Standing Pilot Systems
- Available with 24V or millivolt operators (depending on model)
- Straight through pattern design with or without side taps (depending on model)
- Valves can be mounted either vertically or horizontally
- Reducer bushings included

Specifications:

- Regulator adjustment range: 2.5" to 5" W.C., LP gas 7" to 12" W.C.
- Ambient operating range: -40°F to +175°F
- Reducer bushings included



UNIVERSAL PARTS

Order #	Mfg. #	Volts	BtuH Capacity	Opening Style	Inlet Conn.	Outlet Conn.	Side Tap	Each
L37-502	36C03-300	24VAC	230,000	Fast	1/2"	3/4"	No	**319.00**
L36-983	36C03-333	24VAC	230,000	Fast	1/2"	3/4"	Yes	**345.00**
L36-984	36C03-433	24VAC	280,000	Fast	3/4"	3/4"	Yes	**439.00**
L36-985	36C03U-333	750mV	230,000	Fast	1/2"	3/4"	Yes	**555.00**
L36-986	36C03U-433	750mV	280,000	Fast	3/4"	3/4"	Yes	**645.00**
L39-018	36C53-418	24VAC	280,000	Slow	3/4"	3/4"	No	**785.00**
L39-554	36C03-400	24 VAC	280,000	Fast	3/4"	3/4"	No	**405.00**

HVAC answers

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WHITE-RODGERS

Direct Replacement Intermittent Ignition Valves

- Compact, multi-function replacement valves for Goodman, Amana, Carrier, York, Lennox and Trane
- Equipped with solenoid operated redundant valves
- Valves can be mounted vertically or horizontally
- **L41-798**, **L41-799**, **L41-800**, **L41-801** and **L41-972** use an on/off switch instead of a knob

Specifications:

- Regulator adjustment range: 2.5" to 5" W.C., LP gas 7" to 12" W.C., 4" to 9.5" W.C on **L41-800**, **L41-801** and **L41-972**
- Ambient temperature rating: -40°F to +175°F
- Includes reducer bushings kit, except **L44-645** and **L44-648**


A

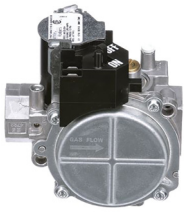

B


C


D


E


F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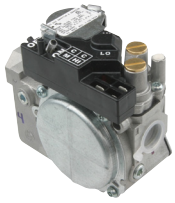
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I

UNIVERSAL PARTS

Fig.	Order #	Mfg. #	Description	Volts	BtuH Capacity	Opening Style	Inlet Conn.	Outlet Conn.	Side Tap	Each
A	**L41-798**	36H32-423	LP kit included	24 VAC	300000	Fast	3/4"	3/4"	No	**385.00**
A	**L41-799**	36H64-463	LP kit included	24 VAC	300000	Fast 2-Stage	3/4"	3/4"	No	**499.00**
B	**L44-640**	36H32-304	LP kit included	24 VAC	300000	Fast	1/2"	3/4"	Yes	**395.00**
B	**L44-641**	36H33-412	LP kit included	24 VAC	300000	Slow	3/4"	3/4"	No	**419.00**
C	**L41-800**	36C84-912	LP kit included	24 VAC	280000	Fast	3/4"	3/4"	No	**895.00**
C	**L41-801**	36C84-921	LP kit included	24 VAC	280000	Fast	3/4"	3/4"	No	**895.00**
C	**L41-972**	36C74-913	Natural Gas Only	24 VAC	280000	Step	3/4"	3/4"	No	**959.00**
D	**L44-642**	36H65-401	LP kit included	24 VAC	300000	Slow 2-Stage	3/4"	3/4"	Yes	**575.00**
E	**L44-643**	36J22-214	LP kit included	24 VAC	140000	Fast	1/2"	1/2"	Yes	**195.00**
F	**L51-252**	36J22Y-212	LP kit included	24 VAC	140000	Fast	1/2"	1/2"	No	**115.00**
E	**L44-644**	36J24-214	LP kit included	24 VAC	140000	Slow	1/2"	1/2"	Yes	**199.00**
G	**L44-645**	36J24-614	LP kit included	24 VAC	140000	Slow Single Stage	1/2"	1/2"	Yes	**205.00**
G	**L44-646**	36J54-214	LP kit included	24 VAC	140000	Fast 2-Stage	1/2"	1/2"	Yes	**295.00**
E	**L44-647**	36J55-214	LP kit included	24 VAC	140000	Slow 2-Stage	1/2"	1/2"	No	**315.00**
G	**L44-648**	36J55-614	LP kit included	24 VAC	140000	Slow 2-Stage	1/2"	1/2"	Yes	**315.00**
H	**L46-849**	36G22-254	—	24 VAC	140000	Fast	1/2"	1/2"	No	**95.00**
I	**L47-351**	36H32-214	LP kit included	24 VAC	170000	Fast	1/2"	1/2"	Yes	**405.00**
—	**L51-190**	36G32-500	—	24 VAC	140,000	Fast	1/2"	1/2"	No	**309.00**
—	**L51-191**	36G33-500	—	24 VAC	140,000	Slow	1/2"	1/2"	No	**315.00**

Cross Reference

Order #	Original Mfg. #	OEM	OEM Mfg. #	New Mfg. #
L44-643	36G54-238	Goodman	0151F00000P	36J54-214
L44-645	36J24-618	Carrier	EF32CW210	36J24-614

Order #	Original Mfg. #	OEM	OEM Mfg. #	New Mfg. #
L44-646	36G54-250	York	025-38915-000	36J54-214

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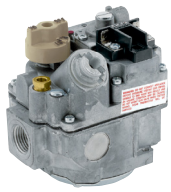
700 Series Combination Control Valves

- For 24V and millivolt systems
- Manual gas valve with automatic safety pilot (except **L37-712** and **L37-262**)
- Mounts in any position, except upside down
- 24V valves include reducer bushings, LP adapter plate and built-in regulator set at 3.5" W.C.; LP adapter for millivolt valves available for purchase separately (see **L37-261**)
- **L37-712** and **L37-262** are 24V silent, electric, single function diaphragm controls without safety magnet for replacing solenoid gas valves
- **L38-367** is slow opening valve with auxiliary pilot lighting tube

Specifications:
- Pressure tap 1/8" NPT and pilot outlet 1/4" tubing



Order #	Mfg. #	Volts	BtuH Capacity	Inlet Conn.	Outlet Conn.	Bushings	Side Tap	Each
L36-403	700-400	24 VAC	240,000	1/2"	3/4"	One 3/4" x 1/2"	No	**339.00**
L36-404	700-402	24 VAC	240,000	1/2"	3/4"	One 3/4" x 1/2"	Yes	**385.00**
L36-406	700-406	24 VAC	300,000	3/4"	3/4"	One 3/4" x 1/2"	No	**405.00**
L36-736	700-502	250mV to 750mV	100,000	1/2"	1/2"	Two 1/2" x 3/8"	Yes	**469.00**
L37-260	700-504	250mV to 750mV	240,000	1/2"	3/4"	One 3/4" x 1/2"	Yes	**469.00**
L37-846	700-506	250mV to 750mV	300,000	3/4"	3/4"	Two 3/4" x 1/2"	No	**375.00**
L38-367	700-511	250mV to 750mV	400,000	3/4"	3/4"	Two 3/4" x 1/2"	No	**499.00**
L37-262	700-422	24 VAC	240,000	1/2"	3/4"	One 3/4" x 1/2"	Yes	**545.00**
L37-712	700-424	24 VAC	300,000	3/4"	3/4"	Two 3/4" x 1/2"	No	**605.00**
L39-641	700-442	24 VAC	720,000	1"	1"	—	No	**745.00**
L39-642	700-501	250mV to 750mV	100,000	1/2"	1/2"	Two 1/2" x 3/8"	Yes	**509.00**
L39-643	700-513	250mV to 750mV	300,000	1/2"	1/2"	Two 1/2" x 3/8"	No	**499.00**

Redundant Multi-Function Gas Valve

- For use with all types of intermittent ignition systems
- Includes LP kit
- Direct replacement for the older White-Rodgers model 36E93-304, Carrier part# EF32CW233, EF32CW183
- May be mounted any direction other than upside down

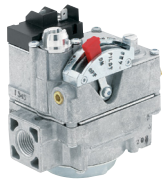


Order #	Mfg. #	Volts	BtuH Capacity	Opening Style	Inlet Conn.	Outlet Conn.	Bushings	Each
L45-743	36C94-303	24 VAC	230,000	Slow	1/2"	3/4"	No	**465.00**

720 Series Dual Valve Controls

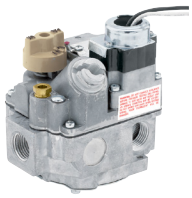
- Designed for 24V constant pilot applications
- Mounts in any position, except upside down
- **L37-640**, **L37-714** and **L37-715** have convertible regulator for mobile home use
- **L37-715** is convertible from 40% to full flow within 30 seconds
- **L37-714** is convertible from 25% to full flow within 30 seconds
- Meets all ANSI standards

Specifications:
- Dimensions: 4-1/8" W x 4-3/4" H x 2-29/32" D
- Ambient temperature: -40°F to +175°F
- Current: 0.2A
- Capacity: 150,000 BtuH (at 3.5" W.C.) is universal for replacing most residential equipment
- Pressure rating: 1/2 PSI maximum
- NEC: Class 2
- Power consumption: 5 watts
- Swing radius: 3-9/16"
- Six-function valves incorporate manual valve, safety shut off magnet, dual automatic valves, main gas regulator and pilot adjustments
- Features integral manual selector with four gas flow positions: OFF, ON, PILOT and SET
- SET provides pilot-only gas flow during magnet energizing and lockup



Order #	Mfg. #	Inlet Conn.	Outlet Conn.	Bushings	Side Tap	Each
L37-540	720-400	1/2"	3/4"	One 3/4" x 1/2" , One 1/2" x 3/8", One 3/4" x 3/8"	No	**289.00**
L37-541	720-402	1/2"	3/4"	One 3/4" x 1/2"	Yes	**325.00**
L37-542	720-406	3/4"	3/4"	Two 3/4" x 1/2"	No	**355.00**
L37-715	720-472	1/2"	1/2"	One 1/2" x 3/8"	Yes	**549.00**
L37-714	720-474	1/2"	1/2"	One 3/4" x 1/2" , One 1/2" x 3/8"	Yes	**535.00**
L37-640	720-007	1/2"	1/2"	One 1/2" x 3/8"	Yes	**605.00**

Line Voltage Combination Gas Valves

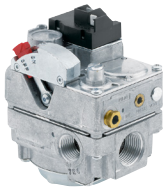


- Control combines manual valve (gas cock) and silent line voltage operator
- Tapered style gas cock
- Automatic pilot valve is separate from gas cock and provides gas shut off in case of pilot outage
- Electromagnet is field replaceable

Specifications:
- Voltage rating: 120VAC, 0.034A
- Pilot outlet: 1/4" tubing
- Cover type: For conduit connection
- Ambient temperature: -40°F to +175°F
- Side outlet connection for **L37-263** is 1/2", **L37-709** is straight through

Order #	Mfg. #	Inlet Conn.	Outlet Conn.	Pressure Setting	Each
L37-263	700-452	1/2"	3/4"	Natural Gas, 3.5" W.C.	**485.00**
L37-709	700-454	3/4"	3/4"	Natural Gas, 3.5" W.C.	**535.00**

Hot Surface Ignition Valve



- Slow-opening feature
- 1/2" x 3/4" with pilot outlet
- Two 1/2" outlet plugs, one 3/4" to 1/2" reducer bushing included
- Pressure regulator is factory set 3.5" W.C., adjustable 3" to 7" W.C.
- Direct replacement for Rheem #60-22525-06
- For natural gas applications

Order #	Mfg. #	Inlet Conn.	Outlet Conn.	Pressure Setting	Each
L37-704	720-050	1/2"	3/4"	Natural Gas, 3.5" W.C.	**609.00**

Universal Gas Valves



A



B

- Designed for intermittent pilot, direct spark and hot surface applications
- Includes all necessary parts and instructions needed to convert to direct spark or hot surface applications
- Designed for many residential and commercial applications central heating units, wall heaters, boilers and mobile home furnaces
- All wiring connections, manual selector and adjustments are easily accessible
- Electrical: 24V, 60 Hz
- Ambient rating: -40°F to +175°F
- Maximum inlet pressure: 14" W.C. (1/2 PSI)

Fig.	Order #	Mfg. #	Description	Gas Type	Inlet Conn.	Outlet Conn.	Each
A	**L39-640**	700-056	Ignition Gas Valve	Natural	3/4"	3/4"	**515.00**
B	**L47-480**	700-057	Universal Intermittent Pilot, Direct Spark or Hot Surface	4.0" Natural Gas Use 1751-013 to Convert to LP	1"	1"	**945.00**

Universal Ignition Gas Valve



- Universal model — intermittent pilot, direct spar-hot surface
- For use with LP or natural gas applications
- Snap acting
- Swing radius: 3-9/16"
- Ambient temperature range: -40°F to +175°F
- Maximum inlet pressure: 7" W.C. natural, 14" W.C. LP
- Complete with LP gas conversion hardware, reducer bushing, outlet plugs and instructions
- Regulator setting: 3.5" natural, 11" LP
- Coil voltage: 24VAC; 0.45 amps

Order #	Mfg. #	BtuH Capacity	Inlet Conn.	Outlet Conn.	Each
L37-849	720-079	150,000	1/2"	3/4"	**435.00**

Combination Gas Valves



- Thermostatically controlled by remote temperature sensing bulb
- Single capillary model with temperature adjustment knob on gas valve
- Two 1/2" x 3/8" reducer bushings included
- Valve type: Snap action or snap throttle
- Capacity is based on 1000 Btu/cu. ft. 0.64 sp. gr. natural gas or 2500 Btu/cu. ft. 1.53 sp. gr. LP gas @ 1" W.C. pd.
- Three position outlet: 1/2"

Order #	Mfg. #	Gas Type	Type	BtuH Capacity	Inlet Conn.	Capillary Length	Each
L36-398	700-201	Natural / LP	Snap	100,000	1/2"	36"	**935.00**
L36-401	700-204	LP	SN/TH	160,000	1/2"	36"	**949.00**
L36-402	700-205	Natural	SN/TH	100,000	1/2"	36"	**825.00**

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Compact Gas Valves

- Replacements for General Control gas valves for up to 70,000 BtuH applications
- Compact size and lower capacity range ideal for limited space and low capacity heating applications like recreational vehicles, wall heaters, space heaters and gas fired fireplaces
- Mounts in any position, except upside down
- **L38-368** has adjustable regulator for fireplace log control
- **L37-509** and **L37-525** have a capillary tube with sensor
- **L37-437**, **L38-368** and **L39-645** use two lead thermopiles only



A

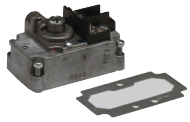


B

Fig.	Order #	Mfg. #	Valve Type	Gas Type	Inlet Conn.	Outlet Conn.	Capillary Length	Replaces Gen. Controls #	Each
A	**L37-436**	710-402	24V	Natural	1/2"	1/2"	N/A	B57	**475.00**
A	**L37-437**	710-502	Millivolt	Natural	1/2"	1/2"	N/A	B67	**239.00**
A	**L38-368**	710-503	Millivolt	Natural	1/2"	3/8"	N/A	—	**535.00**
B	**L37-509**	710-203	Snap Action Hydraulic	LP	1/2"	1/2"	36"	TV27AA03	**525.00**
B	**L37-525**	710-205	Snap Action Hydraulic	Natural	1/2"	1/2"	36"	TV27RB06	**395.00**
A	**L39-645**	710-501	Millivolt	Non-regulated	1/2"	1/2"	N/A	B67	**585.00**

Gas Valve

- Designed to allow field conversion of the 700 and 710 series manual gas valves to wall thermostat control
- Replacements for specific 700-450 Series and 700-460 series gas valves
- Will operate at either 24VAC or 12VDC
- Includes gasket and screws for a complete installation



Order #	Mfg. #	Gas Type	Volts	Each
L39-644	705-402	Natural	24 VAC	**315.00**

Face Bushings

- Galvanized

BASO Gas Products LLC



Order #	Mfg. #	Description	Each	10 Lot
R53-621	Y99AP-3DJ	1/2" MPT x 3/8" FPT	**8.15**	**7.75**
R53-622	Y99AP-4DJ	3/4" MPT x 1/2" FPT	**8.15**	**7.75**

Pressure Regulator Kits

- Kit designed for 700 series natural gas valves
- Provides adjustable W.C. pressure
- Kit includes gasket, mounting screws and instructions

Note: Always use a new gasket and mounting screws when replacing a pressure regulator.



A



B

Fig.	Order #	Mfg. #	Gas Type	Low W.C. Pressure	High W.C. Pressure	Each
A	**N45-007**	1751-003	Natural	3"	7"	**115.00**
B	**L38-369**	1751-005	Natural	1.3"	3.5"	**125.00**
A	**L38-370**	1751-021	LP	2.7"	11.0"	**125.00**
B	**L39-589**	1751-013	LP	3.5"	11.0"	**99.00**

700 Series Regulator Top Cover Plate

- Used when pressure regulator is removed from top of control
- Designed to convert 700 series gas valves to a non-regulated valve for use with LP gas
- Separate pressure regulator may be required in the system



Order #	Mfg. #	Each
L37-261	1751-007	**23.99**

Dial — Gas Cock



- Unitrol® 7000 gas valve replacement knob
- Not for use with 700 series pilot ignition valves

Order #	Mfg. #	Description	Each
L39-588	1751-012	Beige Dial for 7000 Unitrol®	12.49

Gas Valve Grease

BASO Gas Products LLC



- Compounded to provide excellent lubrication at temperatures ranging from 32°F to 175°F
- Will not run at high temperature and remains pliable at low temperature

Order #	Mfg. #	Description	Each
L39-515	Y70AA-1	2.5 Oz. Tube	85.00

Valve Grease

anderson & forrester™



- Insoluble in natural propane, butane and manufactured gas
- For leaking or hard to turn valves
- For use up to 185°F
- 2 oz. tube

Order #	Mfg. #	Description	Each
L36-072	VA126	Grease	38.99

HVAC Door Switch Depressor

ESP ENERGY SAVING PRODUCTS



- Keeps the furnace working while the door is open for repairs and testing
- Dimensions: 4”L x 4”W x 0.75”D

Order #	Mfg. #	Description	Each
G35-147	FF75	Door Switch Depressor	31.99

Direct Ignition Gas Valves

resideo



- Designed to replace more than 60 standard ans slow-opening VR8205 and VR8215 controls
- Includes manual valve, two automatic operators and pressure regulator
- Compact design for maneuverability in tight spaces
- Multipurpose mounting orientations for streamlined installation
- Dual redundancy with two independent valves acting as fail-safes for each other

Order #	Mfg. #	Gas Type	Type	Volts	BtuH Capacity	Opening Style	Inlet Conn.	Outlet Conn.	Each
L49-877	VR8205M2823T/U	Natural	1/4" Quick-Connect Male Terminals	24 VAC	150,000	Standard Single Stage	1/2"	1/2"	409.00
L49-878	VR8215S1214T/U	Natural	1/4" Quick-Connect Male Terminals	24 VAC	150,000	Fast-Opening Single Stage	1/2"	1/2"	265.00
L49-879	VR8205N8829T/U	Natural	1/4" Quick-Connect Male Terminals	24 VAC	150,000	Slow-Opening Two Stage	1/2"	1/2"	505.00
L49-880	VR8304P4256T/U	Natural	1/4" Quick-Connect Male Terminals	24 VAC	150,000	Step-Opening Single Stage	3/4"	3/4"	685.00
L49-881	VR8215S1248T/U	Natural	1/4" Quick-Connect Male Terminals	24 VAC	150,000	Standard Single Stage	1/2"	1/2"	239.00
L49-882	VR8215S1230T/U	Natural	1/4" Quick-Connect Male Terminals	24 VAC	150,000	Standard Single Stage	1/2"	1/2"	265.00
L49-883	VR9205R2363T/U	Natural	—	24 VAC	140,000	Modulating	1/2"	1/2"	489.00
L49-884	VR8205Q2746T/U	Natural	1/4" Quick-Connect Male Terminals	24 VAC	150,000	Standard Two Stage	1/2"	1/2"	505.00
L49-885	VR8305Q4153T/U	Natural	1/4" Quick-Connect Male Terminals	24 VAC	150,000	Standard Two Stage	1/2"	1/2"	505.00
L49-886	VR8205Q2787T/U	Natural	1/4" Quick-Connect Male Terminals	24 VAC	150,000	Standard Two Stage	1/2"	1/2"	505.00
L49-887	VR8205Q2795T/U	Natural	1/4" Quick-Connect Male Terminals	24 VAC	150,000	Standard Two Stage	1/2"	1/2"	505.00

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Universal Intermittent Pilot Retrofit Systems

resideo

- Complete retrofit kits for converting conventional standing pilot systems to energy saving intermittent pilot systems
- For use with gas-fired atmospheric furnaces, boilers and heating appliances; single or dual rod applications
- Provides 100% pilot gas shutoff if pilot fails to light; after 6 minute delay, trial for ignition is repeated
- Ignition trial and delay sequence is repeated until ignition occurs or call for heat is removed
- High voltage ignition cable unaffected by heat of gas ignition
- Anti-rotational feature prevents ground rod from rotating out of position
- Includes ignition cable with connectors, reducer bushings and installation hardware
- EnviraCOM compatible
- Uses S8610U3009 control module — **L37-808**

Specifications:

- Temperature range: -40°F to +165°F
- Electrical rating: 24VAC, 60 Hz; current rating 0.7A



Order #	Mfg. #	Gas Type	BtuH Capacity	Inlet Conn.	Outlet Conn.	Each
L86-058	Y8610U6006	Natural/LP	270,000	1/2"	3/4"	**945.00**
L38-263	Y8610U4001	Natural/LP	150,000	1/2"	1/2"	**839.00**

Ignition System Replacement Parts

resideo

Order #	Mfg. #	Each
L37-809	VR8304M4507	**535.00**

Order #	Mfg. #	Each
L37-084	392431	**265.00**

Order #	Mfg. #	Each
L37-085	394800-30	**155.00**

Gas Ignition Systems

Robertshaw

- Replaces standing pilots on gas furnaces and other gas appliances
- Electronic flame sensor provides flame rectification for faster, safer operation
- Eliminates standing pilots for fuel conservation
- Intermittent pilot burns only when thermostat calls for heat
- Universal electrode/sensor assembly adapts to most thermocouple-type pilots
- Single pilot, 24V
- Ambient temperature range: -40°F to +175°F
- Auto reset includes **L37-838** non-lockout module; manual reset includes **L37-839** lockout module



A



B



C

Fig.	Order #	Mfg. #	Gas Type	Reset Type	BtuH Capacity	Inlet Conn.	Outlet Conn.	Bushings	Each
A	**L36-962**	712-017	Natural	Auto	200,000	1/2"	3/4"	One – 3/4" x 1/2"	**505.00**
A	**L38-185**	712-008	Natural/LP	Manual	200,000	1/2"	3/4"	One – 3/4" x 1/2"	**835.00**
B	**L37-711**	712-009	Natural/LP	Manual	720,000	1"	1"	Two – 1" x 3/4", One – 3/4" x 1/2"	**1799.00**
C	**L46-295**	712-016	Natural	—	350,000	3/4"	3/4"	—	**999.00**

Ignition System Replacement Parts

Robertshaw

Order #	Mfg. #	Description	Each
L37-295	720-070	Valve for Natural Gas/LP with LP Conversion Kit	**595.00**
L38-364	700-059	Valve for Natural Gas	**1045.00**
L38-365	1751-729	Ignitor/Sensor Assembly	**115.00**

Automatic Pilot Re-Light Kit

Robertshaw

- Combination 24VAC or 120VAC module
- All hardware included to replace similar type modules
- For use with rooftop heating equipment, water heaters, boilers, space heaters, unit heaters, dryers and appliances
- Used where pilot outage problems may occur
- High voltage output: 15 kV minimum
- Electrical rating: 24/117VAC, 0.1A
- Ambient temperature range: -40°F to +185°F
- Spark gap: 1/8"



Order #	Mfg. #	Each
L38-127	785-001	**195.00**

Robertshaw



Millivolt Kit

- Three popular Millivolt parts all in one kit for repair or retrofit applications, includes a low profile millivolt actuated gas valve, a pilot generator kit and easy-to-use mercury free mechanical wall thermostat
- Reduces truck-stock inventories by providing the three most common parts needed for repair/retrofit applications all in one convenient kit

Order #	Mfg. #	Gas Type	Reset Type	BtuH Capacity	Conn. Size	Inlet Conn.	Outlet Conn.	Bushings	Each
L46-455	710-296	Natural Gas	Auto	112,000	1/4" Tubing Pilot	1/2"	1/2"	(2) 1/2" x 3/8"	**419.00**

BASO Gas Products LLC



A



B



C

Intermittent Pilot Ignition Controls

- Direct replacement parts for G60, G65, G67 and CSA Series ignition control systems
- Widely used for OEM equipment — Lennox, Carrier, Reznor, Friedrich, Magic Chef and others
- For field replacement a separate adapter kit will be available to adapt to the VLV or Q15,Q96 units
- **L37-488** and **L37-490** model replaces 80% of all G600 Johnson Controls ignition models; see cross-reference below
- **L38-662** and **L38-504** Y75 flame sensors may be used to replace broken or damaged sensing probes in G60, G65, G66, or G600 electronic ignition control systems
- **L37-488** and **L37-490** include damper plugs

Fig.	Order #	Mfg. #	Type	Description	Each
A	**L37-488**	C664AHA-1CJ	Non 100% Lock out	Ignition Control	**425.00**
B	**L37-490**	C664BEA-1CJ	100% Lock out 25 Seconds	Ignition Control	**425.00**
C	**L38-662**	Y75AS-1HJ	90° Terminal Connector	Replacement Flame Sensor	**99.00**
C	**L38-504**	Y75AS-2HJ	Straight Terminal Connector	Replacement Flame Sensor	**99.00**

Ignition Control Cross Reference

Mfg. Part #	Mfg. Part #	Mfg. Part #	Mfg. Part #	Mfg. Part #	Mfg. Part #	Mfg. Part #	Mfg. Part #
L37-488							
CSA35A-617R	G60AAG-6	G60CBG-4	G60KAG-1	G60QBG-3	G60QLK-1	G60ZAG-1	G65BLG-1
CSA35A-618R	G60AAG-7	G60CBG-5	G60PAG-1	G60QBG-4	G60QPG-1	G60ZAG-2	G65BLG-2
CSA42A-600R	G60CAA-1	G60CBG-6	G60PAG-2	G60QBG-6	G60QPK-1	G65BBG-1	G66AG-1
CSA42A-601R	G60CAA-3	G60CBG-7	G60PAG-3	G60QBG-8	G60QPL-1	G65BBG-2	G66AG-2
CSA42A-602R	G60CAG-1	G60CBG-9	G60PAG-4	G60QBG-9	G60QQJ-1	G65BBG-3	G66BG-1
CSA42A-603R	G60CAG-2	G60CBG-11	G60PAG-5	G60QBH-1	G60RBG-1	G65BBG-4	G66BG-5
CSA42A-604R	G60CAG-3	G60CBG-12	G60PAG-6	G60QBK-1	G60RBG-2	G65BBG-5	G600AX-1
CSA44A-600R	G60CAG-5	G60CBG-14	G60PAJ-1	G60QBK-2	G60RBG-3	G65BBG-6	G600AX-2
CSA45A-601R	G60CAG-7	G60CBG-16	G60PAK-1	G60QBK-3	G60RBK-1	G65BBG-7	G600AX-3
CSA45A-602R	G60CBA-1	G60CCA-1	G60PAK-2	G60QBL-1	G60RBK-2	G65BBG-8	
CSA46A-600R	G60CBA-2	G60CCG-1	G60QAG-1	G60QBL-2	G60RCG-1	G65BCG-1	
CSA48A-600R	G60CBA-3	G60DBG-1	G60QAG-2	G60QCJ-1	G60RCJ-1	G65BFG-1	
G60AAA-1	G60CBG-1	G60DCG-1	G60QAK-1	G60QCL-1	G60RDK-1	G65BKG-1	
G60AAG-2	G60CBG-2	G60GBA-1	G60QBG-1	G60QDG-1	G60RPL-1	G65BKG-2	
G60AAG-4	G60CBG-3	G60GBG-1	G60QBG-2	G60QLG-1	G60RDG-1	G65BKG-3	
L37-490							
CSA49A-600R	G60QFL-1	G60QRL-1	G60QTL-1	G65BBM-1	G65BKM-1	G65DBM-3	G66MG-1
CSA51A-601R	G60QGH-1	G60QRL-2	G60RGL-1	G65BBM-2	G65BKM-2	G65DCM-1	G66MG-2
G60PFH-1	G60QHL-1	G60QRL-3	G60RHL-1	G65BBM-3	G65BKM-3	G65DFM-1	G66NG-1
G60PFL-1	G60QHL-2	G60QSL-1	G60RHP-1	G65BBM-4	G65DBM-1	G65DKM-1	G67LG-1
G60PFQ-1	G60QJL-1	G60QTH-1	G60RSL-1	G65BCM-1	G65DBM-2	G65DLM-1	G600LX-2

Supco



PR Series Pilot Reigniters

- Prevents pilot flames from extinguishing

Order #	Mfg. #	Description	Each
L50-498	PR2412036W	24/120 VAC Hardware Kit, Spark Cable & Module	**145.00**
L50-499	PR24120	24/120 VAC Hardware Kit, Spark cable	**29.99**

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Intelligent Valve Retrofit Kit

WHITE-RODGERS

- Intelligent intermittent pilot HSI retrofit kit for ICP, Lennox single stage PSC furnaces
- Upgrade systems with select SV9500, SV9501, SV9502 electronic intermittent pilot gas valves to standard gas valve with 120V HSI ignition
- Complete kit includes new gas valve, control board, combination ignitor and flame sensor



Order #	Mfg. #	Each
L50-929	50I56D-905	**639.00**

OEM Replacement Pilot Relite Control

WHITE-RODGERS

- Will spark until flame is sensed between electrode and ground
- Relite control detects flame through flame conduction
- When flame current is sensed between electrode and pilot burner ground, relite control stops sparking
- If flame is extinguished during call for heat, relite control will begin sparking the instant the flame goes out

Specifications:
- 0.03A, 24VAC — 1/4" male spade terminals
- High voltage connection — 1/4" male spade

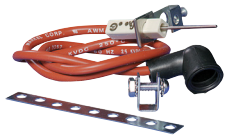


Order #	Mfg. #	Description	Each
L36-975	5059-134	Spark Ignitor	**339.00**

Ignition Electrode Assembly

WHITE-RODGERS

- Replaces cycle-pilot ignition electrode and cable assemblies
- 24" lead with slip on bracket and perforated mounting strap



Order #	Mfg. #	Description	Each
L36-976	760-56	Electrode Assembly	**185.00**

Universal Non-Integrated HSI Ignition Module

White-Rodgers Connect App Enabled

WHITE-RODGERS

- Use with the White-Rodgers Connect app Universal HSI module replacement for Fenwal, Honeywell, UTEC, ICM, White-Rodgers, and Robertshaw
- 24V, 120V or 240V ignitors
- Configure without power, prior to install
- On-board digital display displays operation status, diagnostics and real time flame current
- Controls an inducer motor and monitors a pressure switch
- Easy-install harness included



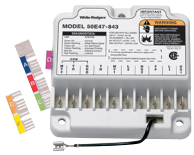
Order #	Mfg. #	Description	Ignition Trials	Ignition Trial Time	Retries	Prepurge Period	OEM Replacement for	Each
L51-757	50E47U-843	Universal hot surface ignition module replaces 24V, 120V or 240V non-integrated (HSI) modules	seconds	7, 4, 10, 15	1*,3	32*, 0, 8,13,15,17, 30, 34, 4 seconds	Carrier/ICP, Goodman, Lennox, Trane, York, Pentair, StaRite, Jandy	**465.00**

Universal Hot Surface Ignition Control

WHITE-RODGERS

- Microprocessor-based gas ignition control
- Tri-color LED indicator for diagnostics
- Direct and indirect flame sense
- Prepurge feature allows the operation of an induced draft blower to purge the combustion chamber during period between initial thermostat contact closure and the start of the ignition cycle
- Retry feature allows controls to re-initiate ignition sequence in the event that the flame is undetected, or established and then lost
- Kit includes mounting hardware, double-sided foam back tape, cross-reference guide, color coded timing label, program keys and pre-printed hanging carton

Specifications:
- Relay load settings: Valve relay: 1.5A @ 28VAC 50/60 Hz .6pf
- Ignitor relay: 1.52 115VAC 50/60 Hz resistive
- Electrical rating: Input 18 to 30VAC, 25VAC Nominal Max. Input Current @ 25VAC; .250mA @ 25°C
- Dimensions: 4.13" W x 4.13" H x 1.5" D



Order #	Mfg. #	Description	Each
L39-565	50E47-843	Carbide Non-Integrated HSI Furnace Control	**405.00**

Program Key Specifications Quick Reference

Key	Ignition Trial Time	Retries	Prepurge	Warm-up
A-Blue	4 Sec.	0	30 Sec.	45 Sec.
B-Red	4 Sec.	2	30 Sec.	45 Sec.
C-Green	7 Sec	0	30 Sec.	45 Sec.

Key	Ignition Trial Time	Retries	Prepurge	Warm-up
D-Violet	7 Sec.	2	30 Sec.	45 Sec.
E-Orange	4 Sec.	2	30 Sec.	17 Sec.
F-Yellow	7 Sec.	2	30 Sec.	17 Sec.

WHITE-RODGERS

Flame Sensor

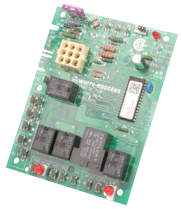


- High quality Alumina ceramic insulator
- High temperature Kanthal flame rod material that can withstand 1800°F
- Teflon insulated (250°C rating) lead wire
- Single screw, plated steel mounting bracket

Order #	Mfg. #	Description	Each
L45-321	760-401	30" Lead Length	**45.99**

WHITE-RODGERS

Silicon Carbide Integrated Furnace Control



- Controls gas valve, ignitor, two speed blower motor, inducer, humidifier (both 120V & 24V input) and air cleaner
- Includes flash code diagnostics
- Twinning
- Fused to protect low voltage system transformers
- Adjustable blower relay

Order #	Mfg. #	OEM Replacement for	Each
L45-392	50T35-743	Goodman: B1809906, B1809908, B1809910, B1809913, B1809913S; UTEC: 1012-933D; Texas Instruments: 41F-5; White-Rodgers: 50T35-730	**159.00**

WHITE-RODGERS

Silicon Nitride and Silicon Carbide Ignition Controls



A



B



C

- For use in natural and LP gas applications
- Diagnostic LED or flash indicators streamline system troubleshooting
- **L39-566** replaces most White-Rodgers 50A50/50A55 controls and OEM replacement hot surface ignition controls for Trane, ICP, Amana and York
- **L39-567** replaces all White-Rodgers 50A65 controls

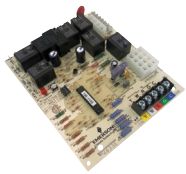
Specifications:

- Input voltage: 25VAC, 50/60 Hz
- Maximum input current: 25VAC, 0.45A
- Operating temperature: -40°F to +176°F
- Humidity: 5% to 93% relative humidity (non-condensing)

Fig.	Order #	Mfg. #	Description	Ignition Trial Time	Retries	Prepurge Period	Each
A	**L39-566**	50A55-843	Universal Silicon Carbide Integrated Ignition Control	4 Seconds	2 Times	30 Seconds	**359.00**
A	**L39-567**	50A65-843	Universal Silicon Nitride Integrated Ignition Control	4 Seconds	2 Times	30 Seconds	**385.00**
B	**L46-464**	50A55-743	Silicon Carbide Single Stage Integrated Furnace Control	4 Seconds	2 Times	15 Seconds	**119.00**
C	**L46-846**	50A66-743	Nitride Integrated Ignition Control	4 Seconds	4 Times	15 Seconds	**369.00**

WHITE-RODGERS

Replacement Furnace Module for Multi Speed Nitride Integrated Furnaces



- Drop in replacement for Goodman PCBBF132 and White-Rodgers 50M56-289
- System diagnostic LED with fault recall
- Multi speed circulator
- Single or two-stage gas valve

Order #	Mfg. #	Description	Ignition Trial Time	Retries	Prepurge Period	Each
L46-847	50M56-743	Multispeed Nitride Ignition Control	4 Seconds	2 Times	30 Seconds	**175.00**

WHITE-RODGERS

Wire Harness Connector



- Harness connects ignitor with ignition control
- Wire and connectors are rated at 105°C
- 24" lead lengths

Order #	Mfg. #	For Use With	Each
L37-721	F115-0100	36E gas valves, 767A ignitors and 50E47 modules	**39.49**

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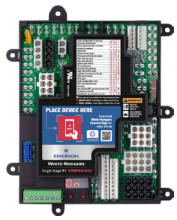
Universal Integrated Furnace Control for PSC & ECMx Blower Motors

WHITE-RODGERS

- Universal Single Stage HSI Integrated Furnace Control for PSC & ECMx blower motors
- Includes Universal 120V Silicon Nitride Ignitor and utilizes the White-Rodgers Connect App for simple configuration and diagnostics
- Replaces 550+ parts including Honeywell S9200U1000



Order #	Mfg. #	Each
L51-345	50M56X-843	**455.00**

Universal Two-Stage HSI Integrated Three-Speed (PSC) Circulator Furnace Control Kit

WHITE-RODGERS

- Replaces White-Rodgers boards made for Trane, Lennox, York and Goodman
- Includes universal 120V nitride ignitor kit



Order #	Mfg. #	Description	Each
L45-098	21M51U-843	Universal 2-Stage IFC Replacement Kit	**579.00**

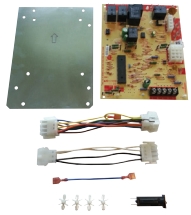
Nitride Ignition Integrated Furnace Control

WHITE-RODGERS

- Controls gas valve, ignitor, blower, inducer, humidifier and air cleaner
- Includes diagnostic indicator flash codes
- Three fan speeds
- Remote flame sense

Specifications:

- Input voltage: 25VAC 50/60Hz
- Maximum input current @25VAC: 0.45A
- Valve relay: 1.5Amp @ 25VAC 50/60Hz 0.6PF
- Ignitor relay: 2.0Amp @ 120VAC 50/60Hz (resistive)
- Inducer relay: 2.2FLA- 3.5LRA @ 120VAC
- Circulator relay: 14.5FLA- 25.0LRA @ 120VAC
- Operating temperature range: -40 to +170°F (-40 to +79°C)
- Humidity range: 5% to 93% relative humidity (non-condensing)

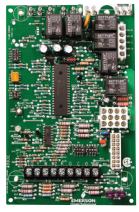


Order #	Mfg. #	Description	Each
L46-466	21D83M-843	Nitride Ignition Integrated Furnace Control	**539.00**

Universal Two-Stage HSI Integrated Variable-Speed (ECM) Circulator Furnace Control Kit

WHITE-RODGERS

- Replaces White-Rodgers boards made for Trane, Goodman, Lennox, York
- Includes universal 120V nitride ignitor kit



Order #	Mfg. #	Description	Each
L45-097	21V51U-843	Universal 2-Stage IFC Replacement Kit	**585.00**

Carrier Single Stage HSI Integrated Furnace Control Kit

WHITE-RODGERS

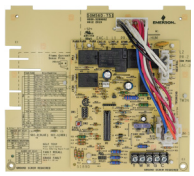
- Replaces White-Rodgers 50M56-751 and virtually all Carrier single stage HSI controls with 120V ignitors
- Easy install kit includes: ignition control module, installation instructions and OEM cross-reference, set of interconnect harnesses, bag of accessories
- System Diagnostic LED with Fault Recall
- Low-Speed Continuous Fan Option
- 120VAC Ignitor Output
- 120 or 24VAC Humidifier Output
- 120VAC Electronic Air Cleaner Output
- Self-Test Installation Routine



Order #	Mfg. #	Description	Ignition Trial Time	Retries	Prepurge Period	Each
L47-385	50M56U-751	HSI Integrated Furnace Control Kit	4 Seconds	2 Times	30 Seconds	**315.00**

WHITE-RODGERS

Carrier Single Stage Integrated Furnace Control



- Carrier direct replacement integrated furnace control
- For single stage 120V hot surface ignistion and PSC blower motors

Order #	Mfg. #	Description	Ignition Trial Time	Retries	Prepurge Period	Each
L50-820	50M56D-751	HSI Integrated Furnace Control Kit	4 Seconds	2 Times	30 Seconds	**235.00**

WHITE-RODGERS

Trane Single Stage 120V Ignitor HSI Integrated Furnace Control Kit



- Replaces White-Rodgers and Trane Single Stage HSI Controls with 120V Ignitors
- Easy install kit includes: ignition control module, installation instructions and OEM cross-reference
- 120VAC Ignitor Output
- 120VAC Humidifier Output
- 120VAC Electronic Air Cleaner Output
- 120VAC 2-Speed PSC Circulator Output
- Fuse Protection — 5A
- Furnace Status LED
- Heat Fan OFF Delay (Dipswitch Selectable)

Order #	Mfg. #	Description	Ignition Trial Time	Retries	Prepurge Period	Each
L47-386	50A55-3797	HSI Integrated Furnace Control Kit	4 Seconds	2 Times	0 Seconds	**285.00**

WHITE-RODGERS

Trane Single Stage 80V Ignitor HSI Integrated Furnace Control Kit

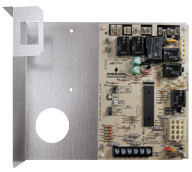


- Replaces White-Rodgers and Trane Single Stage HSI Controls with 80V Ignitors
- Easy install kit includes: ignition control module, installation instructions and OEM cross-reference
- 80VAC Ignitor Output
- 120VAC Humidifier Output
- 120VAC Electronic Air Cleaner Output
- 120VAC 2-Speed PSC Circulator Output
- Fuse Protection — 5A
- Furnace Status LED
- Heat Fan OFF Delay (Dipswitch Selectable)

Order #	Mfg. #	Description	Ignition Trial Time	Retries	Prepurge Period	Each
L47-387	50A65-5165	HSI Integrated Furnace Control Kit	5 Seconds	2 Times	0 Seconds	**295.00**

WHITE-RODGERS

York Single Stage HSI Integrated Furnace Control Kit



- Replaces White-Rodgers 50A56-242 and 50A56-243 and Virtually All York Single Stage HSI Controls with 120V Ignitors
- Easy install kit includes: ignition control module, installation instructions and OEM cross-reference, replacement control box
- Selectable Continuous Fan Speed
- System Diagnostics LED with Fault Recall
- Third Fan Speed
- Two-Stage Cooling Y2 Input
- 120VAC Ignitor Output
- 120VAC Humidifier Output
- 120VAC Electronic Air Cleaner Output
- 120VAC 2-Speed PSC Circulator Output
- Fuse Protection — 5A
- Heat Fan OFF Delay (Dipswitch Selectable)

Order #	Mfg. #	Description	Ignition Trial Time	Retries	Prepurge Period	Each
L46-848	50A56-956	HSI Integrated Furnace Control Kit	7 Seconds	2 Times	0 Seconds	**195.00**

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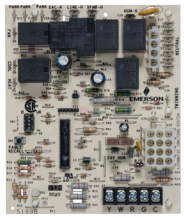
Furnace Controls

WHITE-RODGERS

- Kits come with everything needed for a fast and accurate change out
- Restores furnace equipment to original factory performance
- Single Stage applications
- **L48-513** services most current Lennox / Allied Air Enterprises single stage furnaces with 2 or 3-speed PSC motors and 120V HSI. The kit includes wiring harnesses, control with Fault Recall and LED display and dipswitches to set blower delays. It replaces Lennox 81W03, 56W19, 94W83 and 74W03 service platforms – which have no other competitive replacements.
- **L48-982** services Lennox Intermittent / Proven Pilot Spark furnaces. The kit includes module, flame sensor with lead wire, ground wire and metal mounting bracket with required hardware for installation. Module features LED for system diagnostics. It replaces Lennox 30W33 kit and is the only complete replacement kit available outside of Lennox



A



B

Fig.	Order #	Mfg. #	Description	Ignition Trial Time	Retries	Prepurge Period	Each
A	**L48-513**	50M56U-801	For Single Stage Applications, 2 or 3-Speed PSC Blower Motor with 120V HSI. Features Diagnostic LED and Push-Button Fault Recall. Includes Dipswitches For Easy Blower Delay Configuration	4 Seconds	4	15 Seconds	**289.00**
B	**L48-982**	50D50-801	For Intermittent / Proven Pilot Spark, Single Stage Applications. Features Led For System Diagnostics. Order 50d50-843 For Module Only	8 Seconds	Infinite	30 Seconds	**395.00**

Two-Stage Integrated HSI Furnace Control Kit

WHITE-RODGERS

- Two-Stage HSI Integrated Furnace Control kit for many Carrier brands with PSC, Variable Speed, and ECMx Blowers configured via dipswitch selection
- PSC/VS or ECMx blower motors
- 120V HSI ignition
- Tri-color diagnostics LED
- Flame current test pads
- Push button self-test
- Dipswitch fan only speed set up



Order #	Mfg. #	Retries	Prepurge Period	OEM Replacement for	Each
L49-284	21V51D-751	3	15 Seconds	Carrier	**429.00**

Trane Non-Integrated HSI Ignition Module Kit

WHITE-RODGERS

- Single stage application
- Flame current test pins
- 120V HSI ignition
- Red & green status LEDs
- Adapter board and harness included
- For packaged rooftop units



Order #	Mfg. #	Prepurge Period	OEM Replacement for	Each
L49-381	50E70-820	0 Seconds	Trane	**429.00**

Trane Two-Stage Integrated DSI Furnace Control

WHITE-RODGERS

- Single or two-stage application
- Direct spark ignition
- 80s cool off delay
- For packaged rooftop units
- Green diagnostic LED



Order #	Mfg. #	Description	OEM Replacement for	Each
L49-382	F50N02-820	UL Recognized	Tran	**269.00**

Two-Stage Integrated DSI Furnace Controls

WHITE-RODGERS

- Single or two-stage application
- Direct spark ignition
- 80s cool off delay
- For packaged units
- Green diagnostic LED



Order #	Mfg. #	Retries	Prepurge Period	OEM Replacement for	Each
L49-383	50N02A-820	2	20 Seconds	Trane	**465.00**
L49-384	50N02B-820	2	20 Seconds	—	**429.00**

Two-Stage Integrated Furnace Control

WHITE-RODGERS

- Two-Stage HSI Integrated Furnace Control for Goodman Variable Speed blower applications
- Designed to work as part of a fully communicating HVAC system using 4 wires or legacy 24 VAC inputs to support non-communicating systems.



Order #	Mfg. #	Retries	Prepurge Period	OEM Replacement for	Each
L49-385	50C51-707	Infinite	15 Seconds	Goodman Comfortnet™	**395.00**

WHITE-RODGERS

Two-Stage Air Handler Controls



- Air Handler Control for Goodman Variable Speed blower applications
- Designed to work as part of a fully communicating HVAC system
- Uses 4 wires or legacy 24 VAC inputs to support non-communicating systems
- 7 segment system diagnostic LED

Order #	Mfg. #	OEM Replacement for	Each
L49-386	48C21-707	Goodman Comfortnet™	**395.00**
L49-387	49S25-707	Goodman Comfortnet™	**605.00**

WHITE-RODGERS

Single-Stage Air Handler Controls

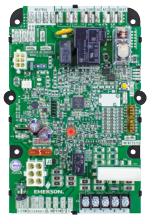


- OEM Direct replacement kit for Rheem Air handlers
- Fast drop-in mounting and wiring

Order #	Mfg. #	OEM Replacement for	Each
L49-630	48P21-811	Rheem	**125.00**
L49-631	48X21-811	Rheem	**105.00**

WHITE-RODGERS

Universal Furnace Electronic Fan Timer

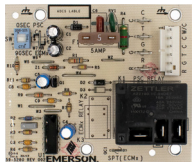


- Replaces over 150 OEM Controls

Order #	Mfg. #	Primary Voltage	Secondary Voltage	Volts	Each
L50-245	50F06-843	115/230 VAC	24 volts	115/230 VAC	**289.00**

WHITE-RODGERS

Direct Replacement Air Handler Controls



- Direct replacement for Carrier single stage air handler with PSC blowers

Order #	Mfg. #	Description	Each
L50-246	48P55-751	For PSC motors	**115.00**
L50-247	48M55-751	For PSC or ECMX motors	**169.00**

WHITE-RODGERS

Trane Direct Replacement Two-Stage Furnace Control Kit

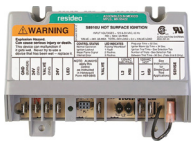


- For 80V And 120V hot surface ignition and variable speed blower motors & inducers
- Supersedes 50V64-743 and includes OEM style IGN00152 120V nitride ignitor, bracket and wire harness
- Replaces Trane KIT-15816 For XV95 type furnaces

Order #	Mfg. #	Description	Each
L49-550	50V54-820	For OEM Integrated Furnace modules	**999.00**

resideo

Universal Hot Surface Ignition Control



- Field selectable dip switches
- Expands cross-reference to over 800 controls
- Warm up time enhancement- Four most popular timings
- Trial for ignition
- Pre-purge
- Simplified LED Diagnostics- Tri-color LED, simpler codes
- Micrometer ports for reading flame current - Test quality of ignitor

Specifications:

- Control voltage: 24VAC @ 50 Hz; 60 Hz
- HSI electrical voltage: 120VAC
- Prepurge: 32 seconds
- Number of ignition trials: Single or 3, field selectable
- Trial for ignition: 4 seconds or 7 seconds, field selectable
- Between trial purge: 96 seconds (with three trials selected)

Order #	Mfg. #	Description	Each
L48-287	S8910U3000	Universal Hot Surface Ignition Module	**449.00**

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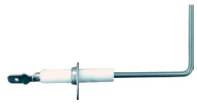
Flame Sensor

- For hot surface ignition (HSI) systems
- Mount on multiple burners or adjacent to igniter
- Use with spark ignition and flame sensing
- Alumina ceramic insulator
- Kanthal flame rod material can withstand 1800°F



Order #	Mfg. #	Each
L49-697	FLS301	**20.99**

Universal Integrated Furnace Control

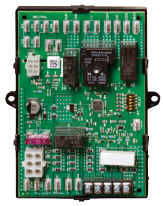
- For use in natural and LP gas applications
- Replaces over 195 furnace controls
- Complete set of wiring harnesses for universal compatibility and simplified installation allowing for direct replacement of competitive boards
- LED indicators provide system status, performance and diagnostic information
- EnviraCOM enabled for remote monitoring and diagnostics



Order #	Mfg. #	Each
L43-886	S9200U1000	**385.00**

Universal Electronic Fan Timer

- Replaces 44 existing Honeywell controls
- Integrates control of all combustion blower and circulating fan operations in a gas warm-air appliance
- Replaceable fuse
- DIP switch selectable heat and cool delay on and off times
- Diagnostic LED
- EAC and HUM convenience terminal connections and continuous low speed indoor air circulation are provided
- Electrical rating: 24VAC
- Temperature rating: -40°F to 175°F
- Heat fan on/off delay: 30 or 60 sec/60, 100 or 180 sec
- Cool fan on/off delay: 4 or 30 sec/30 sec



Order #	Mfg. #	Each
L44-673	ST9120U1011	**429.00**

Hot Surface Ignition Controls

- Modules are for OEM replacement and not for retrofit applications
- **L38-880** is used for water heater applications



Order #	Mfg. #	OEM	Replaces	Each
L37-702	780-783	Rheem	62-22578-01	**355.00**
L37-910	780-785	Rheem	62-22578-02	**419.00**
L38-880	780-790	Rheem	41-AP10758	**315.00**

Flame Sensor

- Flame sensor can mount remotely on multiple burner or adjacent to ignitor on other applications
- 30" Teflon® insulated lead wire (250°C rating)
- 1/4" female spade terminals
- High temperature Kanthol flame rod material can withstand 1800°F



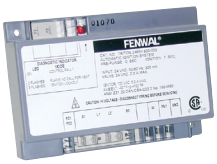
Order #	Mfg. #	Each
L37-720	10-760	**79.00**

Flame Sensor Cleaner

- Easily clean sensors to prevent false starts
- Convenient key ring



Order #	Mfg. #	Each
H28-113	FSC10	**17.49**



Hot Surface Ignition Controls

- Local or remote sensing capability
- Digital trial for ignition timings
- May be mounted vertically or horizontally
- Has a nominal heat-up period of 45 seconds
- System check circuit checks valve control and flame rectification circuits before ignition sequence is initiated
- Normally closed contacts included on all models for lockout indication

Specifications:

- Ignitor contact rating: 120VAC, 5A maximum
- Input voltage: 24VAC, 50/60 Hz
- Ambient temperature: -40°F to +160°F
- Flame failure response time: 0.8 second maximum
- Type of gas: Natural, LP, manufactured
- Moisture resistance: 90% R.H.

Order #	Mfg. #	Ignition Trials	Ignition Trial Time	Fenwal #	Each
L37-935	832-001	Single Try, One Retry	7 Seconds	35-655800-003	**589.00**
L37-936	832-002	Three Tries, Two Retries	7 Seconds	35-655801-013	**645.00**

Hot Surface Ignition Control Cross Reference

Order #	Mfg. #	Old Fenwal #'s		New Fenwal #	Triton #
L37-935	832-001	E 05-329002-053		35-655800-003	2465H800-003
		F 05-212225-103	F 05-212226-103		
		F 05-212225-105	F 05-219001-103		
		F 05-219002-103			
L37-936	832-002	E 05-329003-053		35-655801-013	2465H801-013
		F 05-219004-103	F 05-246266-203		
		F 05-246266-200			
L37-937	832-003	E 05-329004-055		35-655802-007	2465H802-007
		F 05-212225-107	F 05-219001-107		
		F 05-212226-107	F 05-326225-055		
L39-090	832-005	E 05-326265-053		35-655605-003	2465H605-003

E = Exact Replacement F = Functional Replacement

Cable Assemblies

- Wire size: #20 AWG

Order #	Mfg. #	Type	Length	Volts	Temp.	For Use With	Each
L37-938	05-127694-448	Low Voltage	48"	24VAC	105	Universal	**185.00**
L37-939	05-127613-028	High Voltage	27"	25kVDC	200	A11	**129.00**

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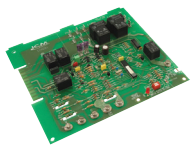
OEM Replacement Ignition Controls

- Microprocessor-based design for precise timing
- Compatible with all 24VAC thermostats
- Blinking LED diagnostic fault codes for simple troubleshooting


A


B


C


D


E


F


G


H

Fig.	Order #	Mfg. #	Description	Ignition Trials	Ignition Trial Time	Retries	Prepurge Period	OEM	Replaces	OEM Replacement for	Each
A	**L43-836**	ICM281	Furnace Control Board for Carrier	0	Unavailable	0	unavailable	Carrier	—	Carrier: CESO110057-00, CESO110057-01, CESO110057-02	**299.00**
B	**L50-997**	ICM282B	Furnace Control Board for Carrier	4	7 Seconds	0	—	Carrier	ICM282A	Carrier: HK42FZ004, HK42FZ007, HK42FZ008, HK42FZ009, HK42FZ011, HK42FZ013, HK42FZ016, HK42FZ034	**495.00**
C	**L41-722**	ICM280	Furnace Control Board for Goodman	3	7 Seconds	3	1 Second	Goodman	—	Goodman: B1809906, B1809908, B1809910, B1809913, B1809913S; UTEC 1012-933D; Texas Instruments: 41F-5; White-Rodgers: 50T35-730, 50T35-743	**315.00**
D	**L50-916**	ICM2811	Furnace Control Board for Goodman	3	4 Seconds	2	15 Seconds	Goodman	—	Goodman PCBBF110/S, PCBBF123/S, 0130F00005/S, PCBBF112\S, B18099-26/S; White-Rodgers: 50A55-743, 50A55-289, 50T55-289	**209.00**
E	**L50-919**	ICM2813	Furnace Control Board for Lennox	5	4 Seconds	4	15 Seconds	Lennox	—	Lennox: 10M9301, 12L6901, 32M8801, 56L8401, 24L8501, 63K8901, 97L4801, 100925-01, 100925-03, 17W9201, 23W5101, 30W2501, 69M0801, 69M1501, 83M00; White-Rodgers equivalent	**299.00**
F	**L45-909**	ICM2805	Furnace Control Board for Nordyne	0	Unavailable	0	Unavailable	Nordyne	—	Nordyne: 903106	**365.00**
G	**L46-457**	ICM288	Furnace Control Board for Rheem	0	10 Seconds	0	60 Second Heat 1 Second Cool	Rheem	—	Rheem: 62-24084-82	**405.00**
H	**L50-918**	ICM2812-KIT	Furnace Control Board for White-Rodgers	3	4 Seconds	2	30 Seconds	White-Rodgers	—	White-Rodgers 50M56U-843 Universal Furnace Control Board and more than 150 additional Furnace Control Models.	**279.00**

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WHITE-RODGERS

Direct OEM Replacement Flame Sensors

- Direct, drop-in OEM replacement
- OEM approved construction and material
- 3-year limited warranty
- High temperature rod withstands 2200°F



UNIVERSAL PARTS

Fig.	Order #	Mfg. #	Type	Description	Each
A	**L50-701**	790-707A1	Straight Rod	Goodman Replacement Flame Sensor	**36.49**
B	**L50-702**	790-751A1	73 Degree Bend	Carrier/ICP Replacement Flame Sensor	**38.99**
C	**L50-703**	790-801A1	90 Degree Bend	Lennox Replacement Flame Sensor	**37.49**
D	**L50-704**	790-820A1	90 Degree Bend	Trane Replacement Flame Sensor	**35.99**
E	**L50-705**	790-956A1	Straight Rod	York Replacement Flame Sensor	**35.99**

BASO Gas Products LLC

Furnace Control Boards

- Functional replacement board for Carrier #HK42FZ models
- Controls gas valve, HSI (hot surface ignitor), blower motor, inducer motor, humidifier and EAC (electronic air cleaner)
- Provides tri-color diagnostic Status LED to aid in troubleshooting
- Includes wire harness for easy replacement of most IFCs
- 2-year warranty

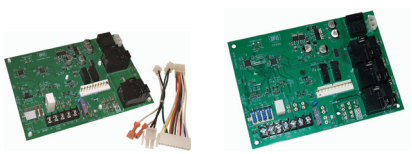


Fig.	Order #	Mfg. #	OEM	OEM Replacement for	Each
A	**L50-973**	CF830C-1H	Carrier	325878-751, HK42FZ004, HK42FZ007, HK42FZ008, HK42FZ009, HK42FZ011, HK42FZ013, HK42FZ016, HK42FZ034	**409.00**
B	**L50-974**	CF830CA-1H	Carrier	HK42FZ0142411, HK42FZ0143215, 00662442334763, CEPL1300437-01-1, CEBD430437-09A, CEPL130437-01	**409.00**

WHITE-RODGERS

Universal Flame Sensors

- Universal Replacement Flame Sensor for furnace, boiler, cooking and other applications
- Durable rod can be bent or cut with protective sleeve
- High temperature rod withstands 2200°F
- Replaces over 150+ part numbers
- 3-year limited warranty



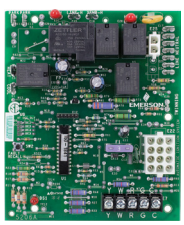
UNIVERSAL PARTS

Order #	Mfg. #	Type	Length	Temp.	Lead Length	Description	For Use With	Each
L50-821	790-843A1	—	—	—	30”	—	—	**55.00**
L51-758	790-843A5PK	Straight Rod, can be bent and or cut	6.15	Withstands 2200 degrees F	30”	5 pk	Furnaces, ovens, water heaters, boilers and other applications	**239.00**

WHITE-RODGERS

Single Stage Furnace Control Kit

- Goodman Direct Replacement Integrated Furnace Control
- For Single Stage 120V Hot Surface Ignition and PSC Blower Motors
- Replaces PCBBF134(S), 135(S), 136(S), 138(S), 140(S) and ICM2810



UNIVERSAL PARTS

Order #	Mfg. #	OEM Replacement for	Each
L50-248	50M56-707	PCBBF134(S), 135(S), 136(S), 138(S), 140(S) and ICM2810	**155.00**

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Universal Nitride Ignitor Kits

WHITE-RODGERS

- For upgrading standard silicon carbide systems to a nitride ignitor
- Install in gas-fired forced-air furnaces, water heaters and boilers
- No additional power supply required
- Includes mounting bracket and ceramic wire connectors

Specifications:
- Electrical rating: 102 to 132VAC
- Maximum load current: 3A 132VAC, 25°C
- Timing rating: 17 seconds minimum



Order #	Mfg. #	Lead Length	Each
L41-806	21D64-2	15-1/2"	**69.00**
L46-845	21D64-5PK	15-1/2"	**305.00**
L49-075	21D64-44	14-1/2"	**105.00**

Nitride Ignitors

WHITE-RODGERS

- OEM replacement ignitors for Amana, Thermo Products, Lennox and Trane equipment
- Teflon™ coated leads



Fig.	Order #	Mfg. #	Replaces	Each
A	**L40-826**	768A-842	White-Rodgers 768A-2, Amana 11111701	**105.00**
B	**L40-827**	768A-843	White-Rodgers/Thermo Products 768A-143	**105.00**
C	**L40-828**	768A-844	White-Rodgers 768A-4, Lennox 41K5601	**99.00**

Fig.	Order #	Mfg. #	Replaces	Each
D	**L40-829**	768A-845	White-Rodgers 768A-5, Trane B340970P01	**105.00**
E	**L49-549**	789A-820	—	**95.00**



WHITE-RODGERS

Hot Surface Ignitors

- Works with 15, 17 or 45-second hot surface ignition systems
- Ceramic wire connectors included
- Replaces Carrier, Lennox, Rheem and others


A


B


C

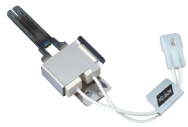

D


E


F


G


H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UNIVERSAL PARTS

Fig.	Order #	Mfg. #	Lead Length	Each
A	**L37-698**	767A-369	5-1/2"	**45.99**
B	**L37-699**	767A-371	19-1/8"	**44.99**
C	**L37-812**	767A-361	5-1/4"	**46.49**
D	**L37-813**	767A-374	11"	**55.00**
E	**L37-814**	767A-376	4-1/2"	**41.99**
F	**L37-815**	767A-372	5-1/4"	**43.49**
G	**L37-816**	767A-370	5-1/4"	**43.49**
H	**L39-088**	767A-383	5-1/4"	**43.99**
I	**L39-089**	767A-373	5-1/4"	**42.99**

Fig.	Order #	Mfg. #	Lead Length	Each
J	**L39-626**	767A-382	5-1/4"	**43.49**
K	**L39-627**	767A-377	4-1/2"	**45.49**
L	**L39-628**	767A-384	5-1/4"	**46.49**
M	**L39-557**	767A-357	5-1/4"	**47.99**
N	**L41-802**	767A-378	5-1/8"	**69.00**
O	**L41-803**	767A-379	7-1/2"	**69.00**
P	**L41-804**	767A-380	6-1/8"	**75.00**
Q	**L41-805**	767A-381	7-1/2"	**79.00**

resideo

Glowfly® Universal Hot Surface Ignitors

- Replaces over 110 ignitor models
- Next-generation OEM silicon nitride quality for any installation
- Custom designed bracketing for universal installation
- **L44-844** is a pack of six ignitors



UNIVERSAL PARTS

Order #	Mfg. #	Lead Length	Each
L44-844	Q3200U2002 6PK	15"	**575.00**
L44-845	Q3200U1004	15"	**115.00**
L51-213	Q3205U1107/U	15"	**119.00**

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Hot Surface Ignitors

- Replaces Carrier, Lennox, Rheem, Trane, Lochinvar, Nordyne and others
- Brackets and ceramic nuts included in the selected kits
- Incorporate technology advancements to deliver industry — leading performance at an unprecedented value

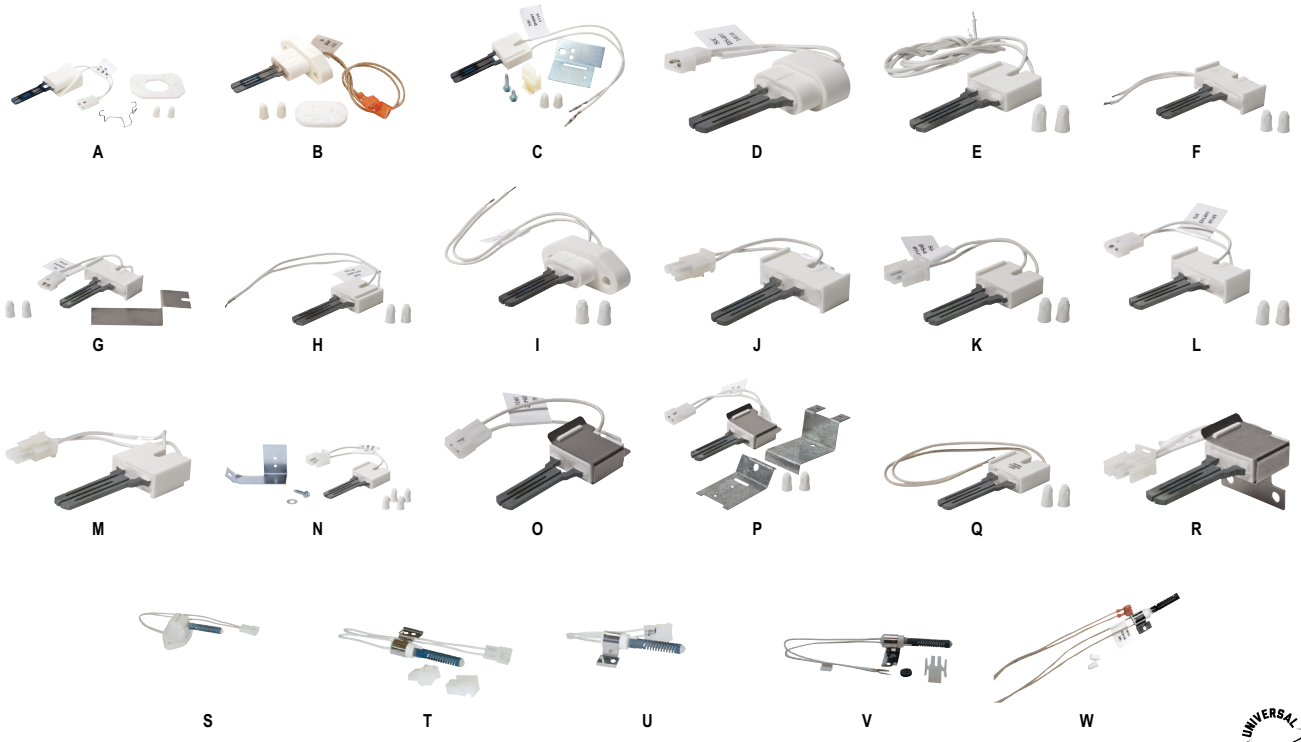


Fig.	Order #	Mfg. #	Lead Length	Each
A	**L46-113**	SKIT03033	5-1/4"	**135.00**
B	**L46-114**	SPLT3400	11"	**75.00**
C	**L46-115**	S903758	9"	**75.00**
D	**L45-538**	IG401	5-1/2"	**37.99**
E	**L45-539**	IG402K	24"	**37.99**
F	**L45-540**	IG403K	5-1/2"	**37.99**
G	**L45-541**	IG404	5"	**37.99**
H	**L45-542**	IG405	9"	**37.99**

Fig.	Order #	Mfg. #	Lead Length	Each
I	**L45-543**	IG406	9"	**37.99**
J	**L45-544**	IG407	5"	**37.99**
K	**L45-545**	IG408	5"	**37.99**
L	**L45-546**	IG409	5"	**37.99**
M	**L45-547**	IG410	5"	**37.99**
N	**L45-548**	IG411	5"	**37.99**
O	**L45-549**	IG412	5"	**37.99**
P	**L45-550**	IG414	5"	**37.99**

Fig.	Order #	Mfg. #	Lead Length	Each
Q	**L45-551**	IG4000	9"	**55.00**
R	**L45-552**	IG418	5"	**37.99**
S	**L38-692**	SIG100	9"	**85.00**
T	**L38-693**	SIG101	10"	**55.00**
U	**L38-694**	SIG102	6"	**69.00**
V	**L39-130**	SIG104	10"	**59.00**
W	**L40-486**	SIG108	19"	**79.00**

Universal Hot Surface Ignitor Kit

- Direct replacement for most popular ignitors, except **L37-698** and **L37-813**
- Features "glow bar" double helix design for greater ignition area



Order #	Mfg. #	Each
L40-765	SIG1100	**59.00**

Universal Nitride Ignitor Kit

- For upgrading standard silicon carbide systems to a nitride ignitor
- Install in gas-fired forced-air furnaces, water heaters and boilers
- No additional power supply required
- Includes three mounting brackets and ceramic wire connectors
- Direct replacement for most standard ignitors, except **L37-698** and **L37-813**



Order #	Mfg. #	Lead Length	Style	Each
L41-974	SSN1100	9"	Round	**59.00**

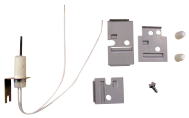
SI-NI Ignitor



- Replacement for Trane
- Robust and durable
- 80V direct drop
- Easy fit; Drop-in Replacement

Order #	Mfg. #	Each
L49-694	SSN0145	**85.00**

Universal Hot Surface Mini-Ignitor



- 3-second heat-up time, reaches temperatures ten times hotter than a carbide ignitor
- Kyrocera technology for the best durability
- Includes universal mounting brackets to replace most common OEM ignitors
- 120VAC

Order #	Mfg. #	Lead Length	Each
L46-986	41-802N	6-1/4"	**95.00**

Direct Replacement Hot Surface Ignitors



- Replacement ignitors for Carrier, Goodman, Lennox, Trane and York parts

Order #	Mfg. #	Each
L50-249	789A-751A1	**79.00**
L50-250	789A-751KT1	**139.00**
L50-251	789A-751KT2	**139.00**
L50-252	789A-707A1	**79.00**
L50-253	789A-801A1	**95.00**
L50-254	789A-956A1	**79.00**

Nordyne Direct Replacement Ignitor



- 120V Hot Surface Silicon Nitride Ignitor
- Replaces Nordyne 1017743S and 921074

Order #	Mfg. #	Each
L50-818	789A-914A1	**65.00**

Universal Intermittent Spark Ignition Control

All-Spark™ Intermittent Spark Ignition Controls



- Microprocessor-based ignition control
- For use in natural and LP gas applications
- Works with single rod or dual rod remote sensor
- Provides ignition, proof of ignition and precise timing
- LED diagnostic indicator
- White-Rodgers Connect App enabled
- Electrical rating: 18-30VAC
- Flame out recognition time: 8 Sec.
- Highly configurable, replaces over 1000 parts

Order #	Mfg. #	Description	Each
L51-064	50D50U-843	Intermittent Pilot/Direct Spark Ignition Module	**335.00**

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Universal Intermittent Pilot Control

- Replacement for over 400 Honeywell (including S8610U1003), Robertshaw, Johnson Controls and UTEC (HSC) intermittent pilot ignition controls
- Used for gas-fired furnaces, boilers and other heating equipment
- Field-selectable prepurge and ignition trial timings
- LED flame strength indicator
- Diagnostic LED for easy troubleshooting
- EnviraCOM communications port
- 100% pilot gas shutoff if pilot fails to light
- Ignition trial/delay sequence repeats until appliance lights or call for heat is removed; eliminates nuisance lockouts
- One model suitable for use with natural or LP gas
- Includes remote reset and automatic vent damper plug
- Used in systems with combination ignitor-sensor (single rod or sense) or separate ignitor and sensor (dual rod or remote sense)
- Includes cable adapters to allow field replacement of both Honeywell and competitive controls without replacing existing cable



Order #	Mfg. #	Description	Each
L37-808	S8610U3009	Control Module	**335.00**

36" Ignition Cable Assembly

- For use with the S86/S87 family
- Right angle boot on ignitor end and straight boot on module end



Order #	Mfg. #	Description	Each
L45-645	392125-2	36" Ignition Cable Assembly	**149.00**

DSI Furnace Control Boards

- DSI Control board to control gas valve, blower, indoor motors and spark ignitor
- Monitors timing, trial for ignition, flame sensing and lockout
- Microprocessor-based, 100% lockout safety feature
- Compatible with LP or Natural Gas



A



B

Fig.	Order #	Mfg. #	Ignition Trial Time	Ignition Trials	Lockout Timing	Prepurge Period	For Use With	Description	Each
A	**L45-903**	ICM291	5 + 2 Seconds	Every 20 seconds for 15 min	Manual Reset	45 seconds	OEM Replacement for Carrier: LH33WP003, LH33WP003A	Furnace Control Board	**539.00**
B	**L51-495**	ICM292A	7 Seconds	Two groups of two	1 hour	30 seconds	Replacement for Rheem: 62-24140-04	Furnace Control Board	**429.00**

Intermittent Pilot Ignition Module

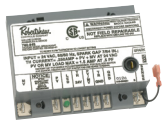
- Universal intermittent pilot gas ignition control for single/dual rod applications
- Works with or without damper connected
- Switch selectable pre-purge and ignition trial times with permanent lock
- Works with both natural and LP gas systems
- OEM replacement for Honeywell: S8610U and Compatible Camstat, Fenwal, HSC, Penn Johnson, Robertshaw & White-Rodgers



Order #	Mfg. #	Ignition Trials	Ignition Trial Time	Retries	Prepurge Period	OEM	OEM Replacement for	Each
L51-494	ICM2918	Continuous	15 to 90 seconds selectable	Continuous	None or 30 Second depending on setting	Honeywell	Honeywell: S8610U and Compatible Camstat, Fenwal, HSC, Penn Johnson, Robertshaw & White-Rodgers	**375.00**

Universal Ignition Control Uni-Kits


A


B


C


D

- Universal ignition control Uni-Kits feature a flame sense circuit that works equally well on remote sense systems (two rods) or local sense systems (one rod)
- Units include mounting bracket and wiring diagrams for Johnson Controls G60 and G600 series and Honeywell's S86 series
- Non-Lockout models (**L37-838** and **L39-646**) feature automatic recycle, ensuring that if flame fails, main gas flow is shut off with a spark repetition sequence that repeats until pilot gas re-ignites
- **L37-838** replaces Robertshaw #SP715, SP715A, SP715U and US1715U models
- **L39-646** is for flame rectification systems and for use with 7000 BDER, 7100 DER and 7200 IPER gas valves, and replaces Robertshaw #SP715 and SP715A
- Lockout models (**L37-839**, **L38-366**, **L39-647** and **L39-648**) feature automatic gas shutoff if ignition fails to occur after three 60-second attempts
- **L37-839** and **L38-366** replace Robertshaw #SP735, SP735A and SP745 models
- **L39-647** is for use with flame rectification systems and 7000 BDER and 7100 DER gas valves

Specifications:
- Input voltage: 24VAC with 20VA minimum
- Ambient temperature rating: -40°F to +175°F

Fig.	Order #	Mfg. #	Lockout Timing	Prepurge Period	Description	Each
A	**L37-838**	780-001	None	None	Non-lockout	**435.00**
B	**L37-839**	780-002	90 Seconds	None	Lockout	**515.00**
B	**L38-366**	780-003	60 Seconds	45 Seconds	Lockout	**549.00**
A	**L39-646**	780-715	None	None	Non-lockout	**295.00**
C	**L39-647**	780-735	60 Seconds	None	Lockout	**465.00**
D	**L39-648**	780-845	90 Seconds	None	Lockout	**419.00**

Electrodes

- Quick connect male terminal
- Ceramic glazed finish


A


B

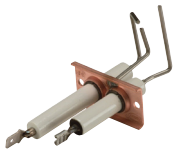

C

Fig.	Order #	Mfg. #	Each
A	**L39-584**	10-850	**149.00**
B	**L39-586**	10-866	**139.00**

Fig.	Order #	Mfg. #	Each
C	**L39-587**	10-870	**135.00**

Direct Spark Ignition Controls



- Fail-safe on malfunction, spark interruption upon ignition
- Can be used on natural, manufactured or LP gas
- Up to three prepurge and trial for ignition periods before lockout
- Can be mounted vertically or horizontally
- Reset from lockout is accomplished by interrupting power to system
- Provides up to a 15-second delay before sparks are generated and valve is energized to permit main burner gas flow

Specifications:
- Input voltage: 24VAC, 50/60 Hz
- Valve relay contact rating: 0.6A
- Ambient temperature: -40°F to +150°F
- Flame failure response time: 0.8 seconds

Order #	Mfg. #	Ignition Trial Time	Prepurge Period	Fenwal #	Each
L37-931	829-001	4.7 Seconds	15 Seconds	35-6050601-101	**675.00**
L37-932	829-002	6.8 Seconds	None	35-605601-003	**729.00**
L37-933	829-003	10.0 Seconds	None	35-605601-005	**729.00**
L37-934	829-005	10.0 Seconds	15 Seconds	35-605606-115	**705.00**
L39-091	829-013	4.7 Seconds	15 Seconds	35-605606-111	**555.00**
L39-092	829-006	6.8 Seconds	30 Seconds	35-605606-223	**665.00**

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Replacement Pilot Ignition Control

- Positive ignition/proof of flame
- Thermostat and/or manual reset options
- Fail-safe on malfunction, spark interruption upon ignition
- Remote flame sensing capability
- Isolated valve contacts, local sensing
- Both units are 100% lockout

Specifications:
- Input voltage: 120VAC, 50/60 Hz
- Current drain: 50mA
- Ambient temperature: -40°F to +140°F
- Trial for ignition: 10 seconds



Order #	Mfg. #	Fenwal #	Each
L37-930	814-009	35-704600-005	**769.00**

Spark Ignition Controls

- Designed for indirect burner ignition and supervision, for use with all gases and applicable to gas-fired appliances The microprocessor provides reliable software control of all timings and operates a diagnostic Light-Emitting Diode (LED)
- Provides ignition sequence, flame monitoring, and safety shutoff for intermittent pilot boilers, furnaces and other heating appliances

Specifications:
- Electrical rating: 24VAC, 50/60 Hz
- Ambient temperature range: -40°F to +170°F
- Flame current signal: 0.15µA (minimum)

BASO Gas Products LLC



Order #	Mfg. #	Each
L37-737	C661AHA-1CJ	**325.00**
L47-433	C661BFA-1CJ	**355.00**
L47-435	C661BGA-1CJ	**355.00**

Universal Hot Surface Module

- Simplified 32 timing DIP switch selection
- LED two color quick diagnostics
- 24VAC 50/60 Hz. unit with ignitor voltages of 120/240VAC 50/60 Hz/ 6 Amps

BASO Gas Products LLC



Order #	Mfg. #	Description	Each
L45-870	BGH2UNCNTRLHT-01CJ	Universal Hot Surface Module	**339.00**

Universal Intermittent Pilot Ignition Controls

- **L38-259** is universal replacement for intermittent pilot controls
- **L38-259** is 24VAC, 50/60 Hz pilot 1A max. and main 2A max.
- **L38-259** 100% shutoff/lockout with 5 minute continuous retry
- **L38-956** is replacement for Lennox G20, G20R, G23 and G26 series unit that has a Johnson Controls G776RGD-1, G776RGD-2, G776RGD-10 or G776RGD-11 ignition control installed, or has been replaced with a Lennox 65K93 ignition replacement kit
- **L38-956** is 24VAC, 50/60 Hz pilot 1A max. and main 2A max
- Ignition trial time: 25 seconds for **L38-259**; 85 seconds for **L38-956**
- Prepurge time: 0 (zero) seconds for **L38-259**; 15 seconds for **L38-956**

BASO Gas Products LLC



Order #	Mfg. #	Each
L38-259	C610U-1CJ	**339.00**
L38-956	C661PGA-1CJ	**359.00**

Direct Spark Ignition Controls

- OEM Replacement Ignition Controls
- Offered as direct replacement for Johnson Controls OEM models, with same mounting holes for quick change-out

Specifications:
- Electrical rating: 24VAC, 50/60 Hz
- Flame sensing current: 0.15 µA minimum
- Flame failure response time: 2 seconds maximum

BASO Gas Products LLC



Order #	Mfg. #	Ignition Trial Time	Ignition Trials	Prepurge Period	Description	Each
L40-352	C161FJD-1CJ	4 Seconds	3	—	Direct Spark Ignition Control	**325.00**
L40-353	C161KKD-1CJ	8 Seconds	3	30 Seconds	Direct Spark Ignition Control	**325.00**

BASO Gas Products LLC

Direct Spark Ignition Module



- Replacement model for G891TCA-8103 Lennox Pulse furnace
- Replaces Lennox parts #60J00, 52J18, 97H02, 96C66, 86H30, 77C38, 77C3801, 73K86, 73K8601, 56G14, 41F46, 99C97, and 99C9701PR
- Also replaces Johnson Controls # G891TCA-810

Note: Unit comes complete with 6 pin connector, ground wire, 2 terminals to convert spark pin to a ¼" terminal and sensor terminal from 3/16" to ¼", and resistor for fan timer.

Order #	Mfg. #	Ignition Trial Time	Prepurge Period	Description	Each
L46-308	BGN891-1CJ	8 Seconds	30 Seconds	Direct Spark Ignition Control	**465.00**

Allanson INTERNATIONAL

Gas Transformers



- 120 VAC
- 50/60 Hz
- One end ground
- Designed with high temperature wire
- **L81-194** is a replacement for Gordon Piatt transformers

Order #	Mfg. #	VA Rating	Primary Voltage	Secondary Voltage	Each
L81-194	1092-S	120V	180	6000	**295.00**
L81-195	1092-F	120V	180	6000	**285.00**

resideo

UNIVERSAL PARTS

Thermocouples



- Universal adapter and push-in clip for one-hand installation
- Thickest inner copel element for longest life
- Bottom-lock design for easy installation from bottom

Order #	Mfg. #	Length	Each
L37-020	Q340A1066	18"	**34.99**
L36-911	Q340A1074	24"	**33.49**
L37-021	Q340A1082	30"	**32.49**
L36-912	Q340A1090	36"	**33.99**
L37-022	Q340A1108	48"	**40.49**

BASO Gas Products LLC

Thermocouples



- Designed to simplify installation on automatic pilot controls and pilot burners
- Stainless steel head and weld at tip to provide reliable performance
- Kit includes adapters to fit most types of pilot burners

Order #	Mfg. #	Length
L47-688	K17AT-18H	18"
L47-689	K17AT-24H	24"
L47-690	K17AT-30H	30"
L47-691	K17AT-36H	36"

Order #	Mfg. #	Length
L47-692	K17AT-48H	48"
L47-693	K17AT-60H	60"
L47-694	K17AT-72H	72"

BASO Gas Products LLC

Thermocouples



- Designed for use in standing pilot ignition systems
- Used primarily with BASO brand automatic pilot controls and pilot burners

Order #	Mfg. #	Length	Type	Each
L39-500	K15DS-18H	18"	Standard	**28.99**
L39-501	K15DS-24H	24"	Standard	**28.99**
L39-504	K15FS-24H	24"	Snap-In	**31.99**
L39-502	K15DS-30H	30"	Standard	**29.99**
L39-503	K15DS-36H	36"	Standard	**31.49**
L39-505	K15FS-36H	36"	Snap-In	**31.99**
L39-506	K15WS-48H	48"	Wholesale Supplied w/ Additional Fittings	**40.49**

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Husky™ Thermocouples

BASO Gas Products LLC

- Heavy-duty, high output commercial/ industrial thermocouples
- Will replace most types of thermocouples
- Adapters included for universal quick and easy fit



Order #	Mfg. #	Length	Type	Each
L37-461	K16BT-18	18"	Standard	**55.00**
L37-462	K16BT-24	24"	Standard	**59.00**
L39-507	K16BT-30H	30"	Standard	**59.00**
L37-463	K16BT-36	36"	Standard	**65.00**
L39-508	K16RA-36HJ	36"	Nickel Plated w/ Nut	**85.00**
L37-464	K16WT-48	48"	Wholesale Supplied w/ Additional Fittings	**115.00**
L39-509	K16RA-48C	48"	Nickel Plated w/ Nut	**89.00**
L37-465	K16WT-60	60"	Wholesale Supplied w/ Additional Fittings	**125.00**
L39-510	K16WT-72H	72"	Wholesale Supplied w/ Additional Fittings	**125.00**

Thermocouples

Robertshaw

- Designed for installation to virtually all pilot burners
- Zip nut may be pushed, pulled or threaded onto the thermocouple's rolled threads for proper positioning



Order #	Mfg. #	Length	Each
L44-204	1970-018	18"	**22.99**
L44-205	1970-024	24"	**24.99**
L44-206	1970-030	30"	**28.49**
L44-207	1970-036	36"	**26.49**

Order #	Mfg. #	Length	Each
L44-208	1970-048	48"	**30.99**
L44-209	1970-060	60"	**46.49**
L44-210	1970-072	72"	**46.99**

Thermocouples

Supco®

- Designed to meet or exceed OEM specifications
- Single wire, metric thread



Order #	Mfg. #	Replaces	Each
L49-695	TH181955	Vanguard® Units 24"	**32.49**
L49-696	TH181975	York® / Nordyne® Units 39"	**35.99**

750 Millivolt Generators

resideo

- Contains multiple thermocouples connected in series to increase the millivoltage output
- The power generated is sufficient to operate an automatic millivolt gas control system, independent of any outside power source
- Push-in clip, split nut and adapter assembly for easy pilot burner installation
- Spade or quick-connect terminals available for millivolt gas control connections



A



B

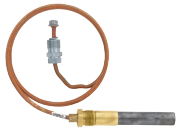
UNIVERSAL PARTS

Fig.	Order #	Mfg. #	Length	Conn.	Each
A	**L36-923**	Q313A1170	35"	Spade Terminals	**179.00**
B	**L47-618**	Q313U3000	35"	—	**175.00**

750 Millivolt Thermopile

Robertshaw

- For use with self-powered gas control systems
- Mounting nuts included



Order #	Mfg. #	Length	Conn.	Each
L37-413	1951-536	36"	Coaxial	**145.00**

BASO Gas Products LLC

Thermopiles

- **L47-686** is a 600-750 Millivolt thermopile (generator)
- **L47-687** is a 250-750 Millivolt thermopile (generator)
- These thermopiles are complete with thermopile, PG9 adapter and clip



A



B

Fig.	Order #	Mfg. #	Length	Conn.
A	**L47-686**	T36A1-1H	36"	Two-Wire
B	**L47-687**	36B0-1H	36"	Coaxial

WHITE-RODGERS

PG9 Pilot Generators

- Bunsen-type pilot has stable ignition flame and millivolt power for operation of B60 type self-powered gas control systems or components
- Removable cartridge
- Replaces PG1, PG6 and G25 generators
- Ignition port right for **L36-465**, and left for **L36-467**
- Straight base fitting for natural gas plus one LP gas fitting



UNIVERSAL PARTS

Order #	Mfg. #	Length	Features	Each
L36-465	PG9A42JTL20	32"	Ignition port right	**139.00**
L36-467	PG9A41JTL20	32"	Ignition port left	**139.00**

WHITE-RODGERS

Replacement Generators

For Millivolt Applications



A



B



C



D



E

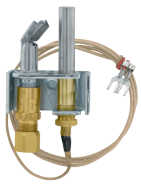
UNIVERSAL PARTS

Fig.	Order #	Output	Length	Replaces	Features	Each
A	**L36-074**	750mV	36"	White-Rodgers: G01A-506; Robertshaw: 1950-001	Includes Adapter Sleeve for PG-9 Pilots	**99.00**
B	**L36-075**	750mV	36"	White-Rodgers: G01A-505; Honeywell: Q313A1188; Robertshaw: 1950-532	Mounting Nut & Spring Clip	**89.00**
C	**L36-468**	750mV	36"	White-Rodgers: G04A-502; Honeywell: Q313A1139; Robertshaw: 1950-001	No Need for a Sleeve or Other Adapting Hardware	**85.00**
D	**L39-669**	750mV	36"	White-Rodgers: G01A-332; Honeywell: Q313A1170	Armored Leads with Split-Spade Terminals; PG9 Adapter Included	**165.00**
E	**L39-936**	750mV	32"	White-Rodgers: 101934R32	R Bushing Connector Type	**85.00**

Robertshaw

PG9 Replacement Pilot Uni-Kits

- Designed to replace General Controls PG9 type pilot
- Each kit comes with natural gas orifice installed, separate LP gas orifice and 32" thermopile
- Ignition port right for **L37-512**, and left for **L37-513**



Order #	Mfg. #	Description	Length	Each
L37-512	1820-009	Ignition port right	32"	**99.00**
L37-513	1820-019	Ignition port left	32"	**95.00**

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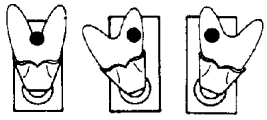
Standing Pilot Burners

resideo

- Non-primary aerated, insert orifice type pilot burners
- Use with thermocouples for pilostat safety control operation or with thermopile generators for 750mV powerpile applications
- 1/4" compression fitting included
- **L39-045**, **L39-046** and **L39-047** include a "B" mounting bracket with screws for converting to an "A" bracket and a LP orifice
- **L39-962** includes an "A" mounting bracket





A B C

Order #	Mfg. #	Tip Style	Gas Type	Each
L39-045	Q314A4586	A	Natural/LP	**115.00**
L39-046	Q314A6094	B	Natural/LP	**115.00**
L39-047	Q314A6102	C	Natural/LP	**129.00**
L39-962	Q314A3547	B	Natural	**135.00**

Pilot Burner

resideo

- Primary-aerated, spud orifice-type pilot burner
- Use with thermocouples for pilotstat safety control operation or thermopile generators for 750mV powerpile applications
- Includes natural gas orifice, LP gas orifice and 1/4" CC inlet fitting



Order #	Mfg. #	Tip Style	Gas Type	Each
L39-963	Q327A1626	Batwing	Natural/LP	**145.00**

Universal Pilot Burners

resideo

- Replace over 120 Honeywell and OEM standing and intermittent pilot burners
- Adjustable target or batwing style hoods depending on model
- Peel and Seal packaging
- Improved installation instructions
- **L46-516** is for natural and LP gas with BCR-18, BBR-10, CAR-12, CAR-13, BBR-8 orifices; standard and low Btu hoods; adjustable tip style; universal mounting bracket; non-primary aeration
- **L46-517** is for natural and LP gas with BCR-20, BCR-18, BBR-12, BBR-11 orifices; adjustable tip style; universal mounting bracket; non-primary aeration; used with the S86, S860, S8610, or S8670 in intermittent pilot systems
- **L46-518** is for natural and LP gas with NE22, KF24, A26, KR14 orifices; 1" batwing; universal mounting bracket; primary aeration
- **L46-519** is for natural and LP gas with BCR-20, BCR-18, BBR-12, BBR-11, BCR-10 orifices; adjustable tip style; universal mounting bracket; 36" and 55" ignitor lead lengths; non-primary aeration



A



B



C



D

Fig.	Order #	Mfg. #	Description	Each
A	**L46-516**	Q314U1001	Target Style, Three Position Adjustable Hood	**145.00**
B	**L46-517**	Q345U1005	Target Style, Three Position Adjustable Hood	**185.00**
C	**L46-518**	Q348U1009	1" Batwing Style	**175.00**
D	**L46-519**	Q3451U1000	Target Style with Integral Ignition Lead, Three Position Adjustable Hood	**235.00**

Incinerator Target Pilot Kits

Robertshaw

- Includes an adapter that converts a threaded thermocouple/thermopile to a snap-in thermocouple type
- Each kit comes with a natural gas orifice installed and a separate LP gas orifice
- Pilot tubing size: 1/4"
- Non-linting characteristics and no air shutters or supplementary shields requiring assembly or adjustment are needed



Order #	Mfg. #	Flame Pattern	Replaces	Each
L39-593	1830-001	Standard	2CH-6	**99.00**
L39-594	1830-002	90 Left	5CHL-6	**119.00**
L39-595	1830-005	3-Way (A)	4CH-6	**119.00**
L39-596	1830-110	Standard	2CH-1	**105.00**
L39-597	1830-111	25 Left	2CHL-1	**115.00**
L39-598	1830-115	Standard 3/16" Tubing	2CH-10	**75.00**

Order #	Mfg. #	Flame Pattern	Replaces	Each
N45-010	1830-210	Standard 1/4" Tubing	2CH-2	**85.00**
L39-599	1830-212	25 Right	2CHR-2	**65.00**
L39-600	1830-489	3-Way (B)	6CH14-6	**75.00**
L39-601	1830-502	Standard	3CH-10	**119.00**
L39-602	1830-601	Standard Hood Reversed	2C-2	**55.00**

Universal Pilot Uni-Kits®

- Includes fittings for 1/4" to 3/16" tubing, installed natural gas orifice and a separate LP gas orifice
- Designed to replace the obsolete model 2B/2BLC pilot

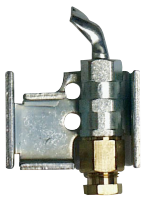


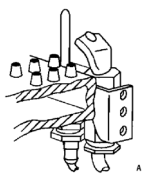
Order #	Mfg. #	Replaces	Each
L39-592	1810-100	2BLC	**115.00**

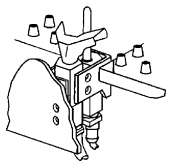
Universal Standing Pilot Burners

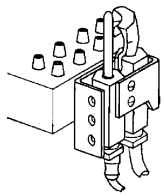
BASO Gas Products LLC

- Pilot type: **L36-042** is shell, **L36-272** is "Y" and **L36-273** is "L"
- Lint-free, non-aerated
- Includes natural and LP gas inlet fittings
- Mounting brackets on all four sides
- Three tapped holes in each bracket









Order #	Mfg. #	Tip Style	Each
L36-042	J999MKA-2	A	**95.00**

Order #	Mfg. #	Tip Style	Each
L36-272	J999MYA-2	B	**95.00**

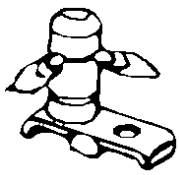
Order #	Mfg. #	Tip Style	Each
L36-273	J999MHA-2	C	**95.00**

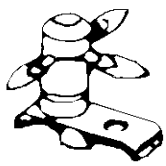
Universal Combination Standing Pilot Burners

BASO Gas Products LLC

- Universal replacement for type D10 and D11 pilot burners
- Includes natural and LP gas inlet fittings













Order #	Mfg. #	Tip Style	Each
L36-274	J995MDA-2	A	**145.00**
L36-275	J997MDA-2	B	**145.00**

Order #	Mfg. #	Tip Style	Each
L36-276	J998MDA-2	C	**139.00**
L39-498	J994MDA-2	D	**185.00**

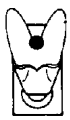
Order #	Mfg. #	Tip Style	Each
L39-499	J999MDA-2	E	**165.00**

Intermittent Pilot Burner Ignitor-Sensors

resideo

- For use with natural gas only
- Compatible with all Honeywell intermittent ignition control modules
- 15,000V open circuit spark ignition
- Insert orifice type
- Includes pilot burner with bracket, ceramic-insulated Kanthal flame rod/ spark ignitor and ground strap
- Maximum temperature ratings: At electrode tip — 1775°F (968°C); at ceramic insulator — 1250°F (677°C)




A


B


C

Order #	Mfg. #	Tip Style	Each
L38-357	Q345A1305	A	**125.00**
L38-358	Q345A1313	B	**135.00**
L38-359	Q345A1321	C	**185.00**

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Spark Ignitor

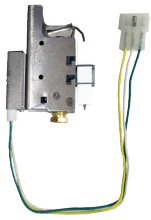
- Produces spark for direct ignition of main burner
- Includes inner Kanthal electrode with ceramic insulator, mounting bracket and Kanthal ground strap
- For use with S87C, D, K; S89E, F and Q354A



Order #	Mfg. #	Length	Each
L39-964	Q347A1004	2-1/32"	**125.00**

Pilot Burner Assembly LH680005

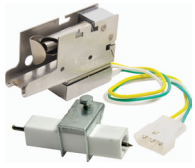
- Differential expansion pilot equipped with 3-lead SPDT switch
- Use with a hot surface Igniter or spark ignition
- For use with older Carrier®, Bryant®, Day & Night® and Payne® furnaces
- 535-740A electronic ignition switch with built-in safety



Order #	Mfg. #	Each
L50-850	FLS0005	**159.00**

Pilot Burner Safety Switch

- Ignition control with an embedded safety switch
- Automatically detects when a flame is not present and shuts off gas flow to help prevent an unsafe condition
- 3-lead SPDT switch for use with a hot surface ignitor or spark ignition



Order #	Mfg. #	Each
L50-585	1830-620K	**145.00**

Fusible Link Repair Kit

- Direct replacement for Carrier/ BDP #HY660001
- Also replaces Carrier/BDP #421-1010 and 307566-701



Order #	Mfg. #	Each
L39-002	10-660	**55.00**

Flame Sensor

- Replaces Carrier/BDP #LH33WZ511 flame sensor
- Designed for use in gas ignition systems using Carrier #LH33ZS002 or Robertshaw #41-409 **(L37-816)** hot surface ignitor



Order #	Mfg. #	Each
L39-003	10-681	**65.00**

Sensor/Ignitor Adapter Kit

- Adapts OEM pilot applications that have obsolete control units and are being upgraded to flame rectification
- Must be used with appropriate 780 Series ignition unit
- 30" leads



Order #	Mfg. #	Each
L39-590	1751-719	**115.00**

Replacement Sensors



A



B

Fig.	Order #	Mfg. #	Description	Each
A	**L39-577**	10-224	2C Sensor/Ignitor	**23.99**
B	**L39-578**	10-227	S1 Sensor — 1/4" Quick-Connect Terminal	**38.49**

High Limit Lead Wire Assembly



- Fits into slotted magnet on a 700 series gas valve
- Allows for hookup with external energy cut-off switch
- 18" leads

Order #	Mfg. #	Description	Each
L39-579	10-258	ECO Lead Wire	**55.00**

Thermocouple Adapter



- Use for closed circuit thermocouple tests
- Responds to changes in temperature by producing an electrical current
- Compatible with most clamp meters and multimeters including DL369, DL379B, DL389B, DL469, DL479, DL419, DL429B, DL489, DM505, DM515, DM525

Order #	Mfg. #	Each
H23-226	ATHA1	**48.99**

Thermocouple Adapter



- Used to make closed circuit tests of the thermocouples and thermopiles using suitable millivolt test meters

Order #	Mfg. #	Each
L39-569	10-038	**89.00**

Thermocouple Adapter



- Allows high limit switch to be connected into the thermocouple circuit on valves without slotted magnet
- 6" leads

Order #	Mfg. #	Each
L39-605	1922-001	**69.00**

Junction Block Adapter



- Used to convert thermocouples to a junction block application
- Junction book is used as a contact cutout device
- Packed in a plastic bag

Order #	Mfg. #	Each
L39-519	Y99AN-1H	**95.00**

Bell Nut Adapter



- Adapts modern Johnstone thermocouple to obsolete valves requiring female thermocouple connections

Order #	Mfg. #	Each
L36-454	31543-3D	**20.49**

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Y80 Series Glow Coils

BASO Gas Products LLC

- Replacement glow coils for rooftop heaters manufactured by Carrier, Day & Night, Gaffers & Sattler, Reznor, Singer and Trane
- **L36-933** is for use with J(-)DHD, J(-)DLD, J(-)EKD, J(-)GHD, J(-)VHD
- **L36-935** is for use with J(-)FLD, J(-)FTD, J(-)FXD



Fig.	Order #	Mfg. #	Lead Length	Each
A	**L36-933**	Y80AA-48	48"	**699.00**
B	**L36-935**	Y80CA-48	48"	**975.00**

Pilot Burner Tubing

BASO Gas Products LLC

- Tubing is 1/4" x 60"
- Includes four cc. fittings



Order #	Mfg. #	Description	Each
L39-520	Y99AR-1	1/4" x 60" Aluminum Pilot Gas Tube	**65.00**

Dead Soft Aluminum Tubing

Robertshaw



Order #	Length	O.D.	Each
B92-025	50'	1/8"	**105.00**
B92-026	50'	3/16"	**105.00**
B11-763	5'	1/4"	**38.49**
B92-027	50'	1/4"	**85.00**
B92-028	50'	3/8"	**119.00**

OEM Replacement Mercury Flame Sensors

WHITE-RODGERS

- Mercury flame sensors consist of mercury-filled sensing bulb, capillary and diaphragm assembly mounted on a switch mechanism
- Pilot flame heat vaporizes mercury within sensing bulb, which actuates the snap-action switch
- Switch may be SPST or SPDT and is usually wired in series with main valve relay in most automatic ignition systems
- Sensors furnished with either spade terminals (3049 series) for point to point wiring or direct plug-in connections (3098 series), eliminating point-to-point wiring
- **L37-170** includes adapter fittings



Order #	Mfg. #	Capillary Length	Description	Each
L37-169	3049-115	48"	2 — 1/4" Spade Terminals, One Pin Terminal	**665.00**
L36-974	3098-134	48"	Flame Sensor - Plug-in Connector	**665.00**
L37-170	3098-156	48"	Plug-in Connector	**645.00**

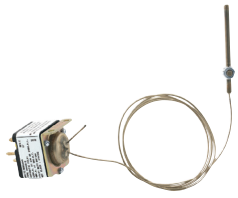
Mercury Flame Sensor

WHITE-RODGERS

- Designed for use with White-Rodgers diaphragm, "Cushioned Power" or "Silent Knight" valves having plug-in receptacle
- Sensor combines snap-action SPDT switch and mercury actuated thermal element
- Use with natural, manufactured or mixed gases and with LP gases where means are provided for obtaining automatic pilot gas shutoff
- Sensors are recycling type, which require relighting or possible restoration of proper gas pressure to return to operation
- SPDT switch can energize ignitor circuit to relight pilot (as with rooftop units)

Specifications:

- Timing: Contacts close approximately 60 seconds after pilot ignition; open approximately 40 seconds after flame is extinguished
- VA rating 120V and 240V is 125; VA rating 30V is 90



Order #	Mfg. #	Capillary Length	Each
L36-134	30A46-5	48"	**695.00**

WHITE-RODGERS



UNIVERSAL PARTS

Mercury Flame Sensor

- Prevents gas flow to main burner if pilot flame is not burning or is insufficient to properly ignite main burner
- Contains rugged snap-action switch and powerful mercury actuated thermal element
- Use with natural, manufactured or mixed gases and with LP gases where means are provided for obtaining automatic pilot gas shutoff
- Sensors are recycling type which require relighting or possible restoration of proper gas pressure to return to operation

Order #	Mfg. #	Capillary Length	Type	Each
L39-553	3046-5	48"	Screw	**695.00**

BASO Gas Products LLC

Safety Pilot Switches



A



B

- Wired to interrupt automatic main gas valve circuit if pilot flame is extinguished
- Manual reset
- SPST switch action
- **L39-008** provides 100% shut off and also interrupts pilot gas valve circuit
- **L37-914** replaces Honeywell #C434A, ITT/General Controls #A100G542 and White-Rodgers #30E02-1
- **L39-008** replaces Honeywell #C591A and ITT/General Controls #A100G543

Specifications:
- Electrical ratings: 8A 125VAC; 3A 250VAC; 0.06A 230VDC; 1/4 HP 125/250VAC

Fig.	Order #	Mfg. #	Each
A	**L37-914**	L62AA-5	**399.00**
B	**L39-008**	L62GB-3	**369.00**

BASO Gas Products LLC

Safety Shutoff Device



- For use with all gas-fired, standing pilot equipment that requires main burner shutoff when the pilot is extinguished
- Typical applications include domestic central heating and commercial space heating appliances, as well as industrial processing equipment (for example, die-casting machines and degreasers)
- Monitors the pilot flame through the use of a thermocouple
- If the pilot flame is extinguished, the switch will interrupt gas flow to the main burner (and pilot burner in 100% shutoff models), shutting down the appliance

Order #	Mfg. #	Each
L47-434	L61LL-1CJ	**835.00**

Sensible Products®

Pilot Puffer



- Force air through gas line to clean clogged pilot assemblies
- Includes rigid and flexible tubing with special tip

Order #	Mfg. #	Each
H28-389	PP-1	**65.00**

YELLOW JACKET

Gas Pressure Test Kits



- Accurately set manifold pressure for natural or LP gas
- Easier to use than a manometer and more compact
- Special, sensitive diaphragm gauge is calibrated in inches of W.C.
- Tube nipple allows easy connection to manifold

Order #	Mfg. #	Range	Each
H24-817	78060	0 to 35"	**135.00**
H25-047	78055	0 to 10"	**149.00**

YELLOW JACKET

Replacement Rubber Adapter



- For use with Yellow Jacket gas pressure test kits
- Adapter fits between the barbed fitting and rubber hose

Order #	Mfg. #	Each
H27-247	78065	**10.49**

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Gas Test Gauges

- Used for pressure testing all new installations for leaks
- Leakage will be indicated by pressure drop on gauge

Order #	Mfg. #	Size	Range	Each
R56-892	TGB215	1/2" FPT	0 to 15 PSI	**34.99**
R56-893	TGB15	3/4" FPT	0 to 15 PSI	**34.99**
R53-986	TGB30	3/4" FPT	0 to 30 PSI	**34.99**
R53-987	TGB130	1" FPT	0 to 30 PSI	**38.99**
R56-132	TGB60	3/4" FPT	0 to 60 PSI	**34.99**
R56-133	TGB160	1" FPT	0 to 60 PSI	**38.99**
R59-023	TGB100	3/4" FPT	0 to 100 PSI	**34.99**



Gas Ball Valves

- Female pipe thread fittings
- Complies with ANSI Z21-15b
- Brass two-piece body construction
- **R54-736** and **R54-737** are one-piece valves
- CSA approved at 1/2, 2 and 5 PSI
- Tee handle

Fig.	Order #	Mfg. #	Size	Inlet Conn.	BtuH Capacity	Lot Qty.	Each
A	**R54-757**	0545001	3/8" x 3/8"	3/8"	301,800	12	**40.49**
A	**R54-015**	0545003	1/2" x 1/2"	1/2"	301,800	12	**22.49**
A	**R54-016**	0545005	3/4" x 3/4"	3/4"	788,000	12	**46.49**
A	**R54-735**	0545007	1" x 1"	1"	1,192,000	12	**79.00**
B	**R54-736**	0544999	1/2" x 1/2"	1/2"	164,000	12	**59.00**
B	**R54-737**	0545000	3/4" x 3/4"	3/4"	419,000	12	**95.00**



A



B

Butane Canister

- For filling **H24-884** and **H85-428** hand held gas ignitors

Order #	Mfg. #	Each
H26-246	57496	**29.99**



Hazardous Material Shipping Alert

Hand Held Gas Ignitor

- Piezo electric ignition
- Fuel viewing window to monitor butane
- Safety lock and adjustable flame
- Use on gas furnaces, water heaters, ranges, dryers, barbeques, etc.

Order #	Mfg. #	Each
H24-884	57453	**15.99**



Hazardous Material Shipping Alert

Gas Match Continuous Ignition Lighter

- Flame never blows out
- Safety lock and adjustable flame
- Flexible 15" extender nozzle
- Ideal for hard-to-reach pilot lights
- Total length: 26"
- Refillable

Order #	Mfg. #	Each
H85-428	57543	**145.00**



Hazardous Material Shipping Alert

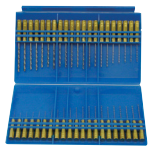
Multi-Spark Ignitor

- Sparks for thousands of ignitions
- Automatic microlight
- Non-hazardous — no butane gas, no flame
- Continuous piezo electric ignition spark starter
- 26" overall length, 20" ignition tube length

Order #	Mfg. #	Each
H85-429	57561	**105.00**



anderson & forrester™



Professional Gauging Drill Set

- Includes 41 gauging drills sizes 40 through 80 and one taper broach
- Durable plastic case
- For hand use only
- Easy drill removal and replacement
- Conversion chart included

Order #	Mfg. #	Each
H25-053	GDK4080	**909.00**

Replacement Drills for H25-053

Order #	Mfg. #	Size	Each
H25-351	GD0071	#71	**40.99**
H25-352	GD0072	#72	**40.99**
H25-353	GD0073	#73	**37.49**
H25-354	GD0074	#74	**40.99**
H25-355	GD0075	#75	**40.99**
H25-356	GD0076	#76	**34.99**

Order #	Mfg. #	Size	Each
H25-357	GD0077	#77	**41.99**
H25-358	GD0078	#78	**36.99**
H25-359	GD0079	#79	**41.99**
H25-360	GD0080	#80	**41.99**
H25-361	GB3020	Broach	**38.99**

DIVERSITECH



Burner Orifices

- Plug orifices for LP gas (#72 drill size)

Order #	Mfg. #	Hex Size x Threads	Pkg. Qty.	Each
L36-003	PO511-72	1/2" x 27	6	**49.49**
L36-009	PO508-72	1/4" x 28	9	**69.00**
L36-005	PO518-72	11/32" x 32	8	**65.00**

DIVERSITECH



Cap Orifice

- For LP gas
- Variable thread to compensate for large and small threads
- Sold in 6-pack

Order #	Mfg. #	Each
L36-002	CO400-72	**69.00**

DIVERSITECH



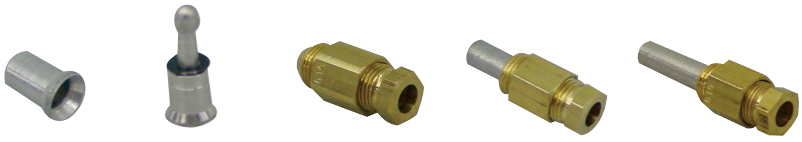
Adapter Insert

- This adapter will renew up to 90% of all obsolete LP gas orifices as well as modern
- Sold in 13-pack

Order #	Mfg. #	Each
L36-001	MI100-72	**135.00**

DIVERSITECH

Pilot Orifices



A B C D E

Fig.	Order #	Mfg. #	Replaces	Gas Type	Inlet Conn.	Each
A	**L36-014**	RS821-018	Robertshaw 2C	Natural	1/4" Tube	**13.99**
A	**L36-015**	RS821-010	Robertshaw 2C	LP	1/4" Tube	**13.99**
B	**L36-018**	RS804-016	Robertshaw 2B	Natural	1/4" Tube	**20.49**
B	**L36-019**	RS804-008	Robertshaw 2B	LP	1/4" Tube	**19.99**
C	**L36-026**	MH854-020	Honeywell 303, 305 and Q308A	Natural	1/4" Tube Female	**33.49**
C	**L36-027**	MH854-010	Honeywell 303, 305 and Q308A	LP	1/4" Tube Female	**31.49**
D	**L36-020**	BA718-021	Johnson Controls Baso Type C, D and F	Natural	1/4" Female	**39.99**
E	**L36-028**	BA715-021	Johnson Controls Baso Non-Linting	Natural	1/4" Tube Female	**40.99**

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Pilot Orifices

Robertshaw



Order #	Mfg. #	Gas Type	Inlet Conn.	Orifice Size	Each
L39-568	10-021	Natural	1/4"	0.018	**11.99**
L39-576	10-211	LP	1/4"	0.011	**17.49**
L39-574	10-114	LP	1/4"	0.01	**19.49**
L39-575	10-210	LP	1/4"	0.016	**23.99**
L39-580	10-261	LP	1/4"	0.0088	**23.99**

Pilot Orifices

resideo



Order #	Mfg. #	Gas Type	Orifice Size	For Use With	Each
L44-329	390686-1	LP	0.010	Q314, Q345, Q3450, Q3451, Q3452	**11.99**
L44-330	390686-25	LP	0.012	Q345, Q379, Q314, Q3450, Q3451, Q3452, Q373	**13.99**
L44-331	390686-4	Natural	0.018	Q380, Q314, Q327, Q345, Q362, Q379, Q3450, Q3451, Q3452, Q373, and Q308	**11.99**
L44-332	390686-5	Natural	0.020	Q380, Q314, Q327, Q345, Q362, Q3450, Q3451, Q3452, and Q373	**14.99**

Gas Pressure Regulators

MAXITROL company

- Use with natural, mixed, manufactured, LP or LP gas/air mixtures in residential, commercial and industrial applications
- Housings are rugged aluminum die castings, and all internal parts are carefully selected and corrosion-resistant
- Adjustable within spring range
- Pound to inches regulators where adequate inlet pressures are available
- High leverage valve linkage to deliver positive deadend lock-up and precise regulating control from full flow down to pilot flows
- Self-aligning valve made of nitrile rubber
- Includes automatic vent limiting device with all regulators except **L39-085** and **L86-521**
- **L39-085** and **L86-521** must be vented if being used indoors
- **L39-082**, **L39-083**, **L39-084** and **L86-521** are equipped with over-pressure protection devices (OPD) complying with new ANSI codes for 5 lb. gas pressure

Specifications:
- Maxitrol tested for 10 PSI
- Emergency exposure limits: 65 PSI inlet side only
- Ambient temperature: -40°F to +205°F
- Standard spring range: 7" to 11" W.C.

Note: All Maxitrol appliance regulators should be installed and operated in accordance with Maxitrol's "Safety Warning" bulletin (included with product). The latest ANSI Standard for Line Pressure Regulators (Z21.80) requires that an over-pressure protection device (OPD) be used on any regulator designed for use with 5 lb. gas. Check with your local code officials to see if this applies in your area.



A



B



C



D



E



F

Fig.	Order #	Mfg. #	Pipe Size	Gas Pressure	Vent Tap	Vent Model	Mounting	OPD	Each
A	**L37-535**	325-3L-44	1/2" x 1/2"	2 Lbs.	Tapped 1/8" NPT	12A09	Multi-directional	No	**85.00**
B	**L39-082**	325-3L48-44	1/2"	5 Lbs.	Tapped 1/8" NPT	12A09	Upright	Yes	**205.00**
C	**L37-730**	325-5L-66	3/4" x 3/4"	2 Lbs.	Tapped 3/8" NPT	12A39	Upright	No	**185.00**
D	**L39-083**	325-5L600-66	3/4"	5 Lbs.	Tapped 3/8" NPT	12A39	Upright	Yes	**525.00**
D	**L39-084**	325-5L600-88	1"	5 Lbs.	Tapped 3/8" NPT	12A39	Upright	Yes	**565.00**
E	**L39-085**	325-7AL-1010-0004	1-1/4"	2 Lbs.	Tapped 1/2" NPT	—	Multi-Poise	No	**445.00**
F	**L86-521**	325-7AL210D-10-003	1-1/4"	5 Lbs.	Tapped 1/2" NPT	—	Multi-Poise	Yes	**1399.00**

	Cubic Feet Per Hour Pressure Drop				
	0.3"	1.0"	7.0"	1/2 PSI	3/4 PSI
	—	—	145	204	250
	—	—	338	476	583
	—	—	690	972	1191

MAXITROL company

Gas Pressure Regulators


A


B

- Mount or install at any plane or angle without restriction (upright position results in slight outlet pressure difference)
- **L37-534** is a non-convertible type, while **L37-533** is a convertible regulator with outlet pressure pre-set at 4" W.C. for natural gas
- Converting to 10" W.C. for LP can be set by removing seal cap, inverting plunger and replacing cap
- This model also has an integral vent limiting orifice as breather hole

Specifications:
- Maximum inlet pressure: 1/2 PSI
- Emergency exposure limits: 2.5 PSI
- Ambient temperature: 32°F to 225°F
- Poppet type

Fig.	Order #	Mfg. #	Pipe Size	Vent Tap	Mounting	Each
A	**L37-534**	RV48L-66	3/4" x 3/4"	Integral	Multi-Poise	**95.00**

Fig.	Order #	Mfg. #	Pipe Size	Vent Tap	Mounting	Each
B	**L37-533**	RV47CL-44	1/2" x 1/2"	Integral	Multi-Poise	**95.00**

		Cubic Feet Per Hour Pressure Drop				
Fig.	Order #	0.3"	1.0"	7.0"	1/2 PSI	3/4 PSI
A	L37-534	150	274	—	—	—

		Cubic Feet Per Hour Pressure Drop				
Fig.	Order #	0.3"	1.0"	7.0"	1/2 PSI	3/4 PSI
B	L37-533	60	110	—	—	—

MAXITROL company

Selectra Electronic Gas Flame Modulation Systems

- Parts designed primarily for make up air heating as components for either direct or indirect fired equipment (Series 14, 44, 20/30, and 21/31)
- Can be field installed on existing equipment or specified for new equipment installation
- All fuel gases are compatible
- Utilizes Modulator or Modulator-Regulator valves to control gas pressure
- Amplifiers available with adjustable low-fire start duration
- Wall mounted Selectrastat senses space temperature and has an integral selector
- Remote temperature sensor paired with a separate temperature selector can be substituted for the Selectrastat



A



B



C



D


E

Fig.	Order #	Mfg. #	Description	Temp. Range	Each
A	**L39-138**	A1014R	Amplifier	For Use w/ All Remote Temperature Ranges	**465.00**
B	**L39-139**	A1010U	Amplifier	For Use w/ High Fire Ignition	**685.00**
C	**L39-140**	TD114	Remote Selector	50°F to 90°F w/ Override 0°F to 40°F Over Set Point	**295.00**
D	**L39-141**	TS114	Sensor	55°F to 90°F	**405.00**
E	**L39-143**	T244	Selectrastat	55°F to 90°F	**519.00**
D	**L39-144**	TS144	Sensor	Min. 40°F to 80°F/Max. 80°F to 140°F	**325.00**
E	**L39-145**	T120	Selectrastat	60°F to 85°F	**499.00**
C	**L39-146**	TD121	Remote Selector	55°F to 90°F	**435.00**
D	**L39-147**	TS121	Sensor	55°F to 90°F	**369.00**

BASO Gas Products LLC

Safety Valves



- For use in heaters, wall furnaces, commercial cooking and similar applications
- 100% shutoff if pilot flame goes out
- Manual valve handle for operation of valve without thermostat provides on, off and pilot positions
- Interlock between manual valve handle and reset button allows gas to flow only to pilot during pilot relighting
- Use with natural or LP gas
- Capacity listed is for natural gas at 1" pressure drop
- Pilot tap: 1/4"

Order #	Mfg. #	Size	Inlet Conn.	Outlet Conn.	BtuH Capacity	Each
L36-271	H43AA-12	3/8"	3/8"	3/8"	122,000	**669.00**
L36-270	H43BA-2	1/2"	1/2"	1/2"	150,000	**669.00**

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BGA Series Single Solenoid Valves

- For use in heaters, roof top, boilers, furnace and cooking equipment and similar commercial and industrial applications
- Inlet/outlet pipe connections: NPT and Rp threads
- Electrical ratings: 12VDC, 25VDC, 25VAC, 120VAC and 240VAC; 50/60 Hz
- Temperature rating: -20°F to 175°F
- Side and bottom taps are available

BASO Gas Products LLC



Order #	Mfg. #	Volts	BtuH Capacity	Inlet Conn.	Outlet Conn.	Each
L46-064	BGA158CAH-1CAACJ	25 VAC	150,000	1/8" NPT	1/8" NPT	**425.00**
L46-065	BGA158CBH-1CAACJ	25 VAC	260,000	1/4" NPT	1/4" NPT	**425.00**
L46-066	BGA158CCH-1CAACJ	25 VAC	380,000	3/8" NPT	3/8" NPT	**415.00**
L46-067	BGA158CDH-1CAACJ	25 VAC	560,000	1/2" NPT	1/2" NPT	**445.00**
L46-068	BGA158CAJ-1CAACJ	120VAC	150,000	1/8" NPT	1/8" NPT	**425.00**
L46-069	BGA158CBJ-1CAACJ	120VAC	260,000	1/4" NPT	1/4" NPT	**425.00**
L46-070	BGA158CCJ-1CAACJ	120VAC	380,000	3/8" NPT	3/8" NPT	**425.00**
L46-071	BGA158CDJ-1CAACJ	120VAC	560,000	1/2" NPT	1/2" NPT	**445.00**
L46-072	BGA158AAC-1CAACJ	25 VAC	70,000	1/8" NPT	1/8" NPT	**389.00**
L46-073	BGA158ABC-1CAACJ	25 VAC	100,000	1/4" NPT	1/4" NPT	**389.00**
L46-074	BGA158ACC-1CAACJ	25 VAC	115,000	3/8" NPT	3/8" NPT	**389.00**
L46-075	BGA158AAD-1CAACJ	120VAC	70,000	1/8" NPT	1/8" NPT	**395.00**
L46-076	BGA158ABD-1CAACJ	120VAC	100,000	1/4" NPT	1/4" NPT	**395.00**

Order #	Mfg. #	Volts	BtuH Capacity	Inlet Conn.	Outlet Conn.	Each
L46-077	BGA158ACD-1CAACJ	120VAC	115,000	3/8" NPT	3/8" NPT	**395.00**
L46-078	BGA171AEH-1CAACJ	25 VAC	265,000	1/2" NPT	1/2" NPT	**439.00**
L46-079	BGA171AGH-1CAACJ	25 VAC	290,000	3/4" NPT	3/4" NPT	**449.00**
L46-080	BGA171AEJ-1CAACJ	120VAC	265,000	1/2" NPT	1/2" NPT	**449.00**
L46-081	BGA171AGJ-1CAACJ	120VAC	290,000	3/4" NPT	3/4" NPT	**445.00**
L46-082	BGA171EDC-1CAACJ	25 VAC	265,000	1/2" NPT	1/2" NPT	**475.00**
L46-083	BGA171EFC-1CAACJ	25 VAC	290,000	3/4" NPT	3/4" NPT	**475.00**
L46-084	BGA171EDD-1CAACJ	120VAC	265,000	1/2" NPT	1/2" NPT	**479.00**
L46-085	BGA171EFD-1CAACJ	120VAC	290,000	3/4" NPT	3/4" NPT	**485.00**
L46-086	BGA110EHH-1CAACJ	25 VAC	430,000	3/4" NPT	3/4" NPT	**489.00**
L46-087	BGA110EJH-1CAACJ	25 VAC	500,000	1" NPT	1" NPT	**495.00**
L46-088	BGA110EHJ-1CAACJ	120VAC	430,000	3/4" NPT	3/4" NPT	**489.00**
L46-089	BGA110EJJ-1CAACJ	120VAC	500,000	1" NPT	1" NPT	**499.00**

Safety Valves

- For use in heaters, commercial cooking and similar applications
- 100% shutoff if pilot flame goes out
- Use with natural or LP gas
- Capacity listed is for natural gas at 1" pressure drop
- Pilot tap: 1/4

BASO Gas Products LLC



Order #	Mfg. #	Size	Inlet Conn.	Outlet Conn.	BtuH Capacity	Each
L36-269	H19AL-2	3/8"	3/8"	3/8"	140,000	**705.00**
L47-430	H91WG-1CJ	1/4"	1/4"	1/4"	42,000	**335.00**

Safety Valves

- For use in room heaters, portable heaters, catalytic heaters, small appliances and similar applications
- 100% shutoff if pilot flame goes out
- Use with natural or LP gas
- Capacity listed is for natural gas at 1" pressure drop
- Pilot tap: 1/8

BASO Gas Products LLC



Order #	Mfg. #	Inlet Conn.	Outlet Conn.	BtuH Capacity	Each
L36-266	H17BB-1	1/4"	1/4"	94,000	**585.00**
L36-267	H17CB-3	3/8"	3/8"	133,000	**585.00**
L36-268	H17DB-5	1/2"	1/2"	165,000	**585.00**

H15 Series Automatic Shutoff Pilot Gas Valves

- For use in commercial cooking, heaters, kilns and similar applications
- Control provides 100% shutoff of both main and pilot gas
- Use with natural or LP gas
- Includes 3/4" to 1/2" and 3/4" to 3/8" reducer bushings
- Capacity listed is for natural gas at 1" pressure drop

BASO Gas Products LLC



Order #	Mfg. #	Size	BtuH Capacity	Each
L36-264	H15DA-3	3/4"	402,000	**725.00**
L47-431	H15AR-3CJ	3/8"	172,000	**605.00**
L47-432	H15HR-2CJ	3/8"	172,000	**575.00**

WHITE-RODGERS



Gas Pilot Safety Valve

- 100% shutoff if pilot flame goes out
- For use with natural or LP gas
- Optional rear inlet tapped and plugged
- Replaces the Jade Controls J-100 gas valve

Order #	Mfg. #	Inlet Conn.	Outlet Conn.	BtuH Capacity	Each
L43-991	764-742	1/2"	1/2"	142,000	**345.00**

Robertshaw



5000 Series Thermostats

- Two pole/single-throw, D1 and D2/ D18 type remote bulb controls
- Open on temperature rise and have a Positive Off feature
- All controls come with pilot light unless noted otherwise
- **F16-836** includes a stuffing box
- Fryers include 3/8" stuffing box

Order #	Mfg. #	Temp. °F	Capillary Length	Bulb O.D. x Length	Diff.	Each
Steam Tables, Bun Warmers, Coffee Brewers (60°F to 250°F)						
F16-836	5000-813	60°F to 250°F	60"	3/8" x 4-1/2"	14°F	**655.00**
F16-176	5000-814	60°F to 250°F	60"	1/4" x 9-1/2"	6°F	**655.00**
Griddles (100°F to 450°F)						
F16-177	5000-841	100°F to 450°F	60"	3/16" x 13"	14°F	**475.00**
Fryers (200°F to 400°F)						
F16-697	5000-844	200°F to 400°F	36"	3/8" x 5-3/4"	8°F	**399.00**
Ovens (100°F to 550°F)						
F16-180	5000-854	100°F to 550°F	72"	3/8" x 3-7/8"	14°F	**655.00**
F16-179	5000-851	100°F to 550°F	60"	3/16" x 13"	6°F	**655.00**
Pizza Oven (300°F to 700°F)						
F16-097	5000-601	300°F to 700°F	60"	3/16" x 12"	15°F	**655.00**

Robertshaw



Remote Type Controls for Commercial Cooking Appliances

- SPST contacts open on temperature rise
- Control has a 2" break-off shaft
- Mounting bracket fits 1-1/8" to 1-3/4" center to center mounting dimensions
- Four-way dials and bezels are not included
- **F16-693**, **F16-696** and **F16-605** are supplied with an auxiliary switch
- **F16-696** is a pilot duty (low voltage), rated 50VA @ 120/277VAC
- **F16-608** comes with 3/8" pipe stuffing box — nickel plated
- **F16-100** and **F16-838** come with 1/4" pipe stuffing box — nickel plated
- **F16-695**, **F16-838**, **F16-758** and **F16-610** are pilot duty (low voltage) rated 50VA pilot duty @ 120/277VAC
- **F16-596** are supplied with an auxiliary switch
- **F16-611** and **F16-837** are pilot duty (low voltage), rated 50VA pilot duty @ 120/277VAC
- **F16-692** has an auxiliary switch included

Order #	Mfg. #	Shaft Length	Temp. °F	Capillary Length	Bulb O.D. x Length	Diff.	Each
Steam Tables, Bun Warmers, Coffee Brewers (60°F to 290°F)							
F16-098	5300-04A	13/16"	60 to 250	48"	3/8" x 4-1/2"	8°F	**325.00**
F16-099	5300-043	13/16"	60 to 250	48"	3/8" x 4-1/2"	8°F	**425.00**
F16-762	5300-080	13/16"	100 to 290	48"	1/2" Diam. Coil	8°F	**419.00**
F16-599	5300-612	2"	60 to 250	60"	1/4" x 9-1/4"	8°F	**489.00**
F16-600	5300-613	2"	60 to 250	60"	5/16" x 6-1/8"	8°F	**425.00**
F16-601	5300-614	2"	60 to 250	60"	3/8" x 4-1/2"	8°F	**345.00**
F16-902	5300-615	2"	60 to 250	72"	3/8" x 4-1/2"	8°F	**349.00**
F16-602	5300-623	2"	100 to 200	60"	3/8" x 5-5/8"	6°F	**409.00**
Griddles (100°F to 550°F)							
F16-757	5300-015	13/16"	100 to 550	36"	1/4" x 5-9/16"	14°F	**415.00**
F16-761	5300-027	13/16"	140 to 500	48"	1/4" x 7-9/16"	12°F	**369.00**
F16-598	5300-114	13/16"	200 to 450	36"	3/16" x 10"	14°F	**215.00**
F16-693	5300-146	13/16"	100 to 450	36"	3/16" x 11-5/8"	12°F	**295.00**
F16-605	5300-154	13/16"	200 to 450	36"	3/16" x 10"	14°F	**265.00**
F16-755	5300-205	15/16"	150 to 450	48"	3/16" x 11-5/8"	12°F	**295.00**
F16-603	5300-618	2"	100 to 450	60"	3/16" x 11-5/8"	12°F	**465.00**
F16-696	5300-748	13/16"	100 to 450	24"	3/16" x 12-5/8"	12°F	**505.00**
Fryers (200°F to 400°F)							
F16-100	5300-100	13/16"	200 to 400	36"	3/8" x 5-5/8"	11°F	**429.00**
F16-597	5300-107	13/16"	200 to 375	20"	3/8" x 5-3/4"	11°F	**315.00**
F16-759	5300-112	13-16"	250 to 400	30"	5/16" x 9-7/8"	8°F	**375.00**

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Order #	Mfg. #	Shaft Length	Temp. °F	Capillary Length	Bulb O.D. x Length	Diff.	Each
F16-596	5300-153	13/16"	200 to 375	20"	3/8" x 5-3/4"	8°F	**485.00**
F16-763	5300-169	13-16"	300 to 375	24"	1/4" x 8-1/2"	6°F	**425.00**
F16-608	5300-641	2"	200 to 400	36"	5/16" x 7-1/2"	8°F	**385.00**
F16-609	5300-643	2"	200 to 400	60"	5/16" x 7-1/2"	11°F	**595.00**
F16-101	5300-645	2"	200 to 400	60"	3/8" x 5-5/8"	11°F	**345.00**
F16-838	5300-711	13/16"	200 to 400	36"	3/8" x 5-5/8"	8°F	**289.00**
F16-695	5300-729	15/16"	200 to 400	24"	3/16" x 6-1/2"	8°F	**345.00**
F16-610	5300-731	2"	200 to 400	36"	3/8" x 5-3/4"	8°F	**379.00**
F16-758	5300-757	13/16"	245 to 400	30"	5/16" x 10-1/2"	8°F	**555.00**
Ovens (100°F to 550°F)							
F16-692	5300-088	13/16"	100 to 500	72"	1/4" x 5-9/16"	14°F	**379.00**
F16-837	5300-770	1-3/16"	175 to 500	60"	3/16" x 11-5/8"	12°F	**345.00**
F16-103	5300-121	13/16"	175 to 550	60"	3/16" x 11-5/8"	12°F	**569.00**
F16-595	5300-651	2"	175 to 550	60"	3/16" x 11-5/8"	12°F	**305.00**
F16-611	5300-735	2"	175 to 500	60"	3/16" x 11-5/8"	12°F	**385.00**
F16-612	5300-652	2"	175 to 550	60"	1/4" x 7-1/4"	12°F	**459.00**
F16-613	5300-653	2"	175 to 550	60"	3/8" x 3-3/4"	12°F	**425.00**

Millivolt Direct Current 5300-400 (RX) Series Thermostats

Robertshaw

- Single-pole/single-throw
- Hermetically sealed reed switch provides durability and accuracy in the harshest environments
- Rated 0.67A @ 5VDC
- Maximum ambient temperature 230°F (110°C)
- Precise and proven snap action mechanism



Order #	Mfg. #	Temp. °F	Capillary Length	Bulb O.D. x Length	Diff.	Each
F16-898	5300-401	200 to 400	36"	3/8" x 5-5/8"	8°F	**309.00**
F16-899	5300-402	200 to 400	24"	3/8" x 5-5/8"	8°F	**329.00**
F16-900	5300-403	200 to 375	24"	3/8" x 5-5/8"	8°F	**295.00**

Direct Acting Thermostat

Robertshaw

- SPST 5210 Series direct acting thermostat with a special switch design makes it very sensitive to small temperature changes
- Electrical rating: 20A @ 120VAC resistive load; 15A @ 240VAC resistive load



Order #	Mfg. #	Temp. °F	Capillary Length	Bulb O.D. x Length	Each
F16-897	5210-124	60°F to 210°F	36"	3/16" x 15-3/8"	**365.00**

Universal Commercial Infinite Switch Kits

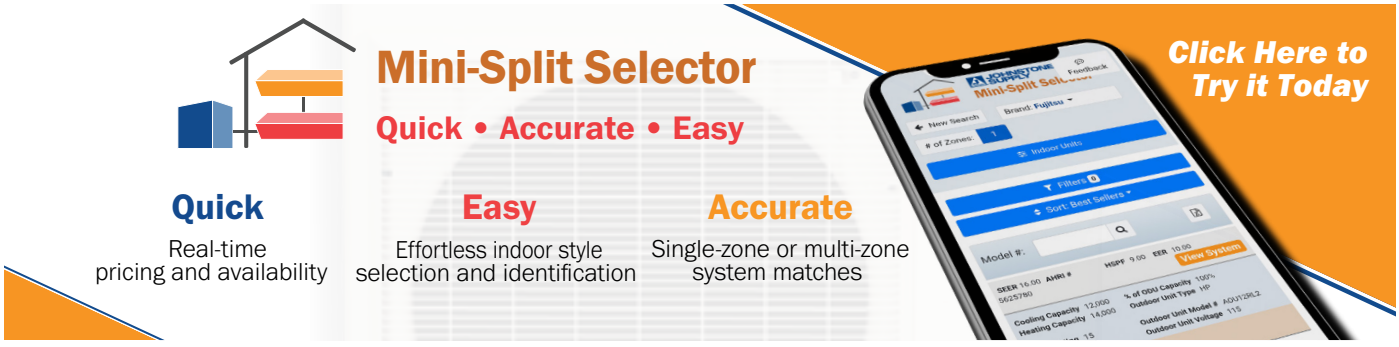
Robertshaw

- Switch has a heavy-duty dial shaft, 2-1/8" long and grooved at standard break-off points
- Shunt-type heater for 15A loads; nominal low input of 5% with the infinite input up to 100%
- **F16-713** is 120V, **F16-514** is 240V



Order #	Mfg. #	Each
F16-713	5500-135M	**75.00**

Order #	Mfg. #	Each
F16-514	5500-235M	**79.00**



Robertshaw

FD Series Gas Thermostats


A


B

- FD series gas thermostats are heavy-duty, high capacity units
- Valve response is either snap throttle (FDO), using dual internal valves with full on to off operation, or throttle (FDTO-FDTH) with single internal valve and full on to bypass operation
- Thermostats mount in one of four directions
- Bulb size: all controls 3/16" x 14-3/4"
- Uni-kits **F16-111** and **F16-115** include: 3/8" pipe inlets and outlets (side and rear) with two pipe plugs, 1/4" tube pilot outlets (side and rear) with 3/16" tube adapter fittings and 1/4" tubing plugs, four-way dial, index pointer for four-way dial, index pointer for four-way mounting and rear housing gasket to allow use of original rear housing
- Gas capacity: 100,000 BtuH
- **F16-646**, **F16-647**, **F16-556** and **F16-648** have optional plugged side pilot and 4-way dial
- **F16-766** and **F16-765** pipe size is tubing inlet/outlet

Fig.	Order #	Mfg. #	Type	Conn. Size	Pipe Size	Temp. °F	Capillary Length	Optional Dial	Replaces	Each
A	**F16-111**	4200-025	A/FDO	4	3/8"	150 to 550	54"	—	Vulcan-Hart 1076522-1	**625.00**
A	**F16-766**	4200-002	A/FDO	2	7/16"	150 to 550	48"	F16-669	—	**595.00**
A	**F16-765**	4200-018	A/FDO	2	3/8"	150 to 550	72"	F16-669	—	**645.00**
A	**F16-646**	4200-007	A/FDO	2	1/2"	150 to 550	48"	F16-669	South Bend 1010398	**635.00**
B	**F16-647**	4200-005	B/FDO	2	1/2"	150 to 550	48"	F16-669	Blodgett: 11528	**625.00**
A	**F16-115**	4200-026	A/FDTO	4	3/8"	200 to 550	54"	—	Wolf Range 19313	**625.00**
A	**F16-556**	4200-503	A/FDTH	2	1/2"	300 to 650	48"	F16-670	—	**595.00**
B	**F16-648**	4200-505	B/FDTH	2	1/2"	300 to 650	48"	F16-670	Vulcan-Hart 1075226 & Blodgett 4606	**625.00**

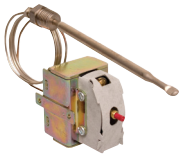
Robertshaw

Temperature Limit Controllers


A


B

- LCH controls are manual reset with SPST switch action; if temperature exceeds fixed setting it must drop 50°F before it resets
- LCC controls are automatic reset with SPDT switch action; if temperature exceeds fixed setting it must drop 25°F before it resets
- LCCM controls are automatic reset with SPDT switch action; if temperature exceeds fixed setting it must drop 25°F before it resets; has gold-plated button contacts to enable its use for millivolt and line voltage (LCC)
- **F16-832** has a panel nut supplied, but no stuffing box
- Electrical ratings: LCH — 30A resistive load at 125, 250, 480VAC LCC — 25A resistive load at 125, 250, 480VAC; 125VA pilot duty at 125, 250VAC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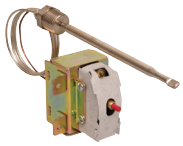
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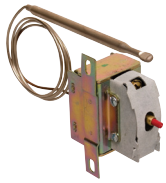
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Fig.	Order #	Switch Type	Fixed Temp.	Capillary Length	Bracket Type	Nickel Bulb O.D. x Length	Nickel Plated Stuffing Box Supplied	Replaces Robertshaw #	Each
A	**F16-832**	LCH	440°F	24"	6	1/4" x 4-7/8"	—	5225-054	**345.00**
B	**F16-622**	LCH	440°F	36"	4	5/16" x 3-5/8"	—	5225-046	**409.00**
C	**F16-831**	LCHM	450°F	24"	3	1/4" x 4-7/8"	1/4"	5225-112	**315.00**
D	**F16-830**	LCH	450°F	30"	1	5/16" x 3-5/8"	—	5225-009	**385.00**
D	**F16-623**	LCH	450°F	30"	1	1/4" x 4-7/8"	3/8"	5225-044	**485.00**
E	**F16-626**	LCH	490°F	30"	4	1/4" x 6-1/2"	—	5225-015	**275.00**
F	**F16-689**	LCH	490°F	30"	5	1/4" x 6-1/2"	—	5225-005	**465.00**
G	**F16-754**	LCC	440°F	24"	2	3/16" x 7-5/8"	—	5225-023	**389.00**
D	**F16-627**	LCC	450°F	36"	1	5/16" x 3-5/8"	3/8"	5225-028	**555.00**
A	**F16-835**	LCCM	425°F	36"	6	5/16" x 3-5/8"	1/4"	5225-207	**375.00**

Limit Controller Cross Reference

Order #	Mfg. #
AMF-Wyott	
F16-628	15-392
Broaster	
F16-628	AB-6962
Cecilware	
F16-622	L027A
Dean	
F16-835	2191
F16-835	2441
GE/Hobart	
F16-626	113523P001

Order #	Mfg. #
GE/Hobart (cont.)	
F16-626	344523-6
F16-626	XNC8X101
F16-626	XNC8X102
F16-655	XNC8X103
Pitco	
F16-751	P504-7210
F16-830	P504-7216
F16-831	P504-7210
Star Mfg.	
F16-627	Y2136

Order #	Mfg. #
Toastmaster	
F16-753	141488707
F16-754	1456A8729
Vulcan-Hart	
F16-628	4735
F16-623	110705-2
F16-628	110840-1
F16-628	110840-2
Wells	
F16-752	54654
F16-832	38656

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Nickel-Plated Stuffing Box

- Provides replacement control flexibility
- Fits capillaries up to 3/8" O.D. and 3/8" pipe



Order #	Mfg. #	Each
F16-075	4650-002	**85.00**

Hydraulic Control GS Thermostats

- Maintains accurate temperature by interrupting main gas flow
- Control services applications up to 30,000 BtuH natural gas
- Includes 3/16" fittings for inlet/ outlet and nickel stuffing box
- Four-way dial (**F16-667**) is optional
- **F16-764** replaces Vulcan-Hart #110837-2
- Nickel bulb finish
- 1/4" stuffing box for **F16-649**, and 3/8" for **F16-764**



Order #	Mfg. #	Conn. Size	Temp. °F	Capillary Length	Bulb O.D. x Length	Each
F16-649	4290-006	1/4"	200 to 400	30"	3/8" x 5-3/8"	**545.00**
F16-764	4290-005	1/4"	200 to 400	48"	1/4" x 11-7/8"	**545.00**

Mini Replacement Kit for BJ Series Controls

- Adjustable outlet position
- Control mounts on manifold in any of four positions
- Contains BJ control, knob, bezel, mounting bolts and gasket
- Can be used to replace both clockwise and counter clockwise controls



Order #	Mfg. #	Capillary Length	Application	Temp. Range	Each
F16-833	4500-902	48"	Replaces BJ	250°F to 550°F	**465.00**

BJWA Gas Thermostat Kits

- Kits designed to replace BJ and BJWA thermostats
- These special high temperature kits can mount in four manifold positions (except **F16-643**)
- Rear housing may be rotated as required
- Kits include: Three plugs for unused taps, four-position knob, bezel, bezel adapters, stem length adapter, 3/16" pilot compression fitting, gasket and bolts for flange nipple mount
- **F16-643** also includes 1/4" pipe and 3/8" tubing fitting, has rear tapping position only and replaces Garland #1086700
- **F16-118** replaces Wolf #104097-1 and South Bend #1013099



Order #	Mfg. #	Outlet Conn.	Temp. °F	Capillary Length	Bulb O.D. x Length	Application	Each
F16-119	4350-028	1/4" Pipe	150 to 400	36"	3/16" x 8"	Griddle	**485.00**
F16-643	4350-029	7/16" Tubing	250 to 550	48"	3/16" x 11-3/16"	Oven	**595.00**
F16-118	4350-027	1/4" Pipe	250 to 550	48"	3/16" x 11-3/16"	Oven	**485.00**

Safety Magnet Kit Type "J"

- Robertshaw TS "J" safety magnet kit
- Used with Robertshaw series #1710 body (**F16-079** or **F16-080**)
- Kit provides 1/8" pipe, 1/4" and 3/16" tube inlet and outlet for pilot
- Flow interruption



Order #	Mfg. #	Each
F16-083	1720-801	**315.00**

Safety Magnet Kit Type "K"

- Robertshaw TS "K" safety magnet kit
- Used ahead of control valve for dryers, domestic and commercial ovens
- Used with Robertshaw series #1710 body
- Kit fits pilot sizes 3/16" tubing and 1/4" tubing
- Flow interruption



Order #	Mfg. #	Each
K34-003	1720-802	**375.00**

Robertshaw



Safety Bodies

- Used with Robertshaw #1720-801 and #1720-802 electromagnets for various applications
- For domestic and commercial ovens and dryers

Order #	Mfg. #	Conn. Size	Each
F16-079	1710-111	3/8" FPT	**125.00**
F16-080	1710-126	1/2" FPT	**75.00**

Robertshaw



Diaphragm Gas Valves

- 700 Series diaphragm valves are used for systems with remote bleed gas operator and similar types of commercial water heating and commercial cooking applications
- **F16-767** is commonly used for commercial water heating equipment
- **F16-768** is used primarily for commercial cooking
- Valves feature automatic pilot valve, bleed gas operation, inlet/outlet screens, manual gas cock valve, pilot adjusting keys, pilot gas filter and pre-set regulators
- Regulated models also feature straight line pressure regulation allowing diverse capacity requirements without regulator readjustments
- Safety magnet type is thermocouple for **F16-767**, and thermopile for **F16-768**

Order #	Mfg. #	Gas Type	BtuH Capacity	Inlet Conn.	Pressure Setting	Each
F16-767	700-804	Natural	305,000	3/4"	3.5 W.C. Natural Gas	**479.00**
F16-768	700-886	Natural	305,000	3/4"	3.5 W.C. Natural Gas	**499.00**

CHROMALOX
Advanced Thermal Technologies



Urn or Steam Table Heaters

- Elements are copper sheathed for use on coffee urns, humidifiers, kettles, percolators, steam tables and other applications for bottom mounted water elements
- Listed below are the most popular elements for single- and three-phase applications
- Also available with and without liquid cutouts
- TTUH-CO series comes with integral low liquid thermal cutout **(F84-094)**

Order #	Mfg. #	Volts	Watts	Phase	Low Liquid Cutout	Element Length	Element Height	Element Width	Each
F84-001	TTUH-30A	208	3000	1	No	6-3/4"	2-5/16"	4-1/4"	**579.00**
F84-002	TTUH-30A	240	3000	1	No	6-3/4"	2-5/16"	4-1/4"	**575.00**
F84-003	TTUH-40A	208	4000	1	No	9-1/2"	1-3/8"	4-1/4"	**585.00**
F84-004	TTUH-40A	240	4000	1	No	9-1/2"	1-3/8"	4-1/4"	**679.00**
F84-005	TTUH-50A	208	5000	1	No	12-3/4"	1-11/16"	4-1/4"	**849.00**
F84-006	TTUH-50A	240	5000	1	No	12-3/4"	1-11/16"	4-1/4"	**699.00**
F84-007	TTUH-503	208	5000	3	No	11"	1-5/16"	4-1/4"	**939.00**
F84-008	TTUH-503	240	5000	3	No	14-1/2"	1-11/16"	4-1/4"	**925.00**
F84-009	TTUH-603	240	6000	3	No	11-1/16"	2-3/8"	4-1/4"	**975.00**
F84-010	TTUH-CO-30	208	3000	1	Yes	6-3/4"	2-5/16"	3-1/16"	**749.00**
F84-011	TTUH-CO-30	240	3000	1	Yes	6-3/4"	2-5/16"	3-1/16"	**825.00**
F84-012	TTUH-CO-40	208	4000	1	Yes	9-1/2"	2-1/8"	3-1/16"	**855.00**
F84-013	TTUH-CO-40	240	4000	1	Yes	9-1/2"	2-1/8"	3-1/16"	**1045.00**
F84-014	TTUH-CO-50	208	5000	1	Yes	12-3/4"	2-11/16"	4"	**669.00**
F84-015	TTUH-CO-50	240	5000	1	Yes	12-3/4"	2-11/16"	4"	**785.00**
F84-016	TTUH-CO-60	208	6000	1	Yes	14-1/2"	2-11/16"	4"	**679.00**
F84-017	TTUH-CO-60	240	6000	1	Yes	14-1/2"	2-11/16"	4"	**845.00**
F84-018	TTUH-CO-403	240	4000	3	Yes	8-3/4"	2-15/16"	3-1/8"	**1199.00**
F84-019	TTUH-CO-503	208	5000	3	Yes	11"	2-15/16"	3-1/8"	**1199.00**
F84-020	TTUH-CO-503	240	5000	3	Yes	11"	2-15/16"	3-1/8"	**1099.00**
F84-094	Replacement Liquid Cutout Kit for TTUH-CO Series Heaters	—	—	—	—	—	—	—	**119.00**

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Electric Furnace Restring Kits

- For restringing electric furnace elements
- Contains one close-wound coil, two 10/32" x 1-3/4" screws attached, two female ceramic bushings, two male ceramic bushings, nuts and washers
- **L36-953** includes one **L37-146** 300° fuse link
- Extra **L37-146** fuse links are available



Order #	Mfg. #	Watts @ 208V	Watts @ 240V	Watts @ 480V	O.D.	Length	Each	5 Lot
L49-361	KIT-24500625	3750	5000	—	5/8"	25"-70"	**32.49**	**29.49**
L38-665	KIT-24300	2250	3000	—	5/16"	28"–93"	**26.49**	**23.49**
L38-664	KIT-24350	2625	3500	—	5/16"	32"–105"	**29.99**	**26.99**
L36-953	KIT-24501	3750	5000	—	11/32"	40"–125"	**33.99**	**30.49**
L38-663	KIT-48500	—	—	5000	11/32"	41"–135"	**32.49**	**29.49**

Electric Heat Relay

- For use with a two-wire, 24V thermostat
- Switches up to 5,000 watts
- Includes 1/2" male conduit bushing
- Average time delay: 75 seconds

Specifications:
- Electrical rating: 7A 208/240/277, 14A 120VAC (full load); 42A 208/240/277, 84A 120VAC (locked rotor); 22A 120/208/240VAC, 19A 277 (resistive)
- Dimensions: 2-13/16" W x 3-7/8" H x 1-1/2" D



Order #	Mfg. #	Coil Voltage	Switch Action	Each
L40-032	R841E1068	24VAC	SPST	**589.00**

Electric Heat Silent Relay

- Provides silent operation and narrow differential control for heating or cooling installation
- For use with 2-wire, 24V thermostat
- Control Loads up to 6000 Watts, SPST, N.O.
- Ideal for all types of electrical heat
- Average time delay: 45 seconds
- Ambient temperature range: -20°F to +140°F
- 240VAC, 60 Hz; 0.2A thermostat current; resistive 25A @ 240VAC; inductive 12A @ 240VAC FLA; 72A @ 240VAC LRA
- Dimensions: 2-1/4" H x 4-11/32" W x 1-1/2" D



Order #	Mfg. #	Volts	Switch Action	Each
L36-166	24A01G-3	240 VAC	SPST	**235.00**

Outdoor Thermostat

- Provides auxiliary electric heat lockout during mild weather



Order #	Mfg. #	Switch Action	Temp. Range	Diff.	Sensing Element	Each
L37-515	C12-2001	SPDT	-1°F to +59°F	5°F Fixed	30" Cap. w/ 3/8" x 6" Bulb	**215.00**

Electrical Ratings

	24V	120V	240V	277V
Full Load Amps	—	20	20	16
Locked Rotor Amps	—	80	80	60

	24V	120V	240V	277V
Pilot Duty (VA)	240	240	240	240
Resistive Load Amps	—	25	25	16

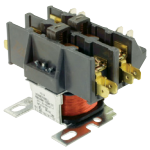
Electric Heat Sequencers

- Solid-state positive temperature coefficient (PTC) heaters
- Quick connect terminals
- Shock and vibration resistant
- Mounts in any position
- 24VAC control voltage
- Replaces White-Rodgers, Supco, Thermodisc, Klixon, Gemline, A1 and Mars most Klixon & TOD brands

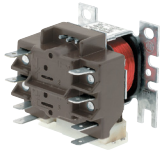


Order #	Mfg. #	Switches	Timings	On Time Delay	Off Time Delay	Each
L41-686	R24AA1008	1	1	1 to 20 Seconds	40 to 110 Seconds	**49.99**
L41-687	R24AA3004	1	1	30 to 90 Seconds	1 to 30 Seconds	**49.99**
L41-688	R24AA2006	1	1	1 to 25 Seconds	65 to 115 Seconds	**59.00**
L41-689	R24BA1006	2	1	1 to 20 Seconds	40 to 110 Seconds	**65.00**
L41-690	R24BA3002	2	1	30 to 90 Seconds	1 to 30 Seconds	**65.00**
L41-691	R24CB4007	3	2	1 to 110 Seconds	1 to 110 Seconds	**99.00**
L41-692	R24DB4005	4	2	1 to 110 Seconds	1 to 110 Seconds	**115.00**
L41-693	R24ED5007	5	4	1 to 160 Seconds	1 to 160 Seconds	**139.00**

resideo



A



B

Electric Heat Relays and Contactors

- Designed for quiet operation
- Use for furnaces with line voltage or pilot duty limit
- Simple ON/OFF switching — eliminates cold drafts on system startup
- Switches up to four 5kW electric heat elements, plus 7.0A fan motor @ 240VAC
- 1/4" male quick-connect
- Control voltage 24VAC, current draw 0.23A
- **L36-948** has universal mounting plate with mounting screws, two 12" coil leads, two wire nuts, six 1/4" female quick-connects
- **L36-906** replaces Rheem #R8229A1047 and R8229C1035 (wire only N.O. contacts)
- They replace over 50 Honeywell and competitive electric heat primaries, including the Honeywell R8330 Electric Furnace Sequencer

Fig.	Order #	Mfg. #	Volts	Each
A	**L36-948**	R8246A1038	120/208/240/277	**385.00**
B	**L36-906**	R8229A1005	120/208/240/277	**265.00**

WHITE-RODGERS



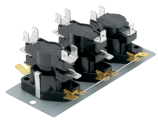
A



B



C



D

Therm-o-Disc Heat Sequencers

- Replaces Klixon, Mars, White-Rodgers, Watsco, Honeywell and Supco
- Double quick-connect terminals for combination and heater loads
- High ambient rated to +165°F
- 24VAC non-positional control
- 25A resistive switching
- Voltage and ambient self-compensating
- Combined fan and heat load ratings (7.2 kW)
- Direct replacements for sequencing both fan and heat
- Terminal markings are equivalent to all competitive types and allow one wiring method for various sources of sequencers
- May be wired in series to allow sequencing of one through seven element furnaces

Fig.	Order #	Mfg. #	Switches	Timings	Each
A	**L36-475**	24A34-1	1	1	**34.49**
A	**L36-476**	24A34-2	1	1	**34.49**
B	**L36-477**	24A34-3	2	1	**40.49**
B	**L36-478**	24A34-4	2	1	**40.49**
C	**L36-479**	24A34-5	3	2	**65.00**
C	**L36-480**	24A34-6	4	2	**65.00**
D	**L37-101**	24A34-14	5	4	**85.00**

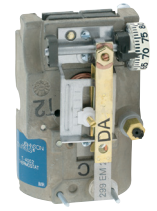
UNIVERSAL PARTS

		Approximate Timing (Seconds)									
		On Time					Off Time				
		SW1	SW2	SW3	SW4	SW5	SW1	SW2	SW3	SW4	SW5
L36-475	24A34-1	1-20	—	—	—	—	40-90	—	—	—	—
L36-476	24A34-2	30-90	—	—	—	—	1-30	—	—	—	—
L36-477	24A34-3	1-20	1-20	—	—	—	40-90	40-90	—	—	—
L36-478	24A34-4	30-90	30-90	—	—	—	1-30	1-30	—	—	—
L36-479	24A34-5	1-20	1-20	30-90	—	—	40-90	40-90	1-30	—	—
L36-480	24A34-6	1-20	1-20	30-90	30-90	—	40-90	40-90	1-30	1-30	—
L37-101	24A34-14	1-20	1-20	40-110	40-110	40-110	65-90	65-90	10-40	10-40	10-40

Johnson Controls



A



B

High Volume Output Thermostats

- Features pneumatic feedback and volume amplification for fast and accurate proportional response
- Includes output test connection for service and calibration

Fig.	Order #	Mfg. #	Type	Control Action	Mounting	Each
A	**L38-277**	T-4002-201	Two-pipe	Direct Acting	Horizontal	**375.00**
A	**L38-278**	T-4002-202	Two-pipe	Reverse Acting	Horizontal	**425.00**
B	**L38-279**	T-4002-203	Two-pipe	Direct Acting	Vertical	**425.00**
B	**L41-792**	T-4002-204	Two-pipe	Reverse Acting	Vertical	**425.00**

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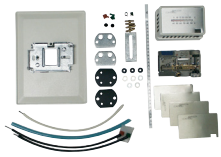
Universal Replacement Thermostat Kits

- Includes thermostat, cover, cover plate, all parts and mounting hardware necessary for conversions



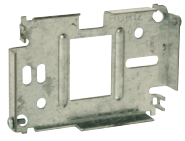
Order #	Mfg. #	Type	Control Action	Color	Thermostat	Each
L38-286	T-4002-301	Two-pipe	Direct Acting	White	L38-277	**549.00**
L38-287	T-4002-302	Two-pipe	Reverse Acting	White	L38-278	**615.00**
L38-288	T-4002-303	Two-pipe	Direct Acting	Beige	L38-277	**665.00**
L38-289	T-4002-304	Two-pipe	Reverse Acting	Beige	L38-278	**615.00**

Thermostat Accessories

- Beige plastic thermostat covers for all thermostats
- **L38-285** mounting bracket for all thermostats and covers



A B



C

Fig.	Order #	Mfg. #	Description	Each
—	**L38-280**	T-4000-2138	Horizontal Thermostat Cover	**95.00**
—	**L38-281**	T-4000-2139	Horizontal Thermostat Cover	**95.00**
—	**L38-282**	T-4000-2141	Horizontal Thermostat Cover	**95.00**
A	**L38-283**	T-4000-2142	Horizontal Thermostat Cover	**99.00**
B	**L38-284**	T-4000-2146	Vertical Thermostat Cover	**119.00**
C	**L38-285**	T-4002-124	Surface Mount Bracket	**41.49**

Pneumatic Thermostats

- Low volume proportional controller provides temperature control for a wide variety of applications including return air, mixed air and unit ventilator control
- Factory set point at 57°F with each gradation representing 2°F
- Adjustable from 0°F to 270°F @ 8 PSIG
- **L38-290** is for duct mounting with an 8' averaging element and steel support bracket
- **L86-279** is for unit ventilator applications with an 18" liquid filled rigid stem element and temperature resistant plastic mounting bracket

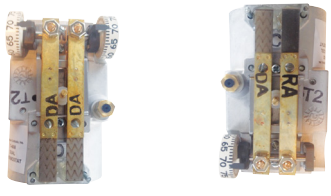


A B

Fig.	Order #	Mfg. #	For Use With	Style	Each
A	**L38-290**	T-3610-1001	Duct Mount	8' Averaging	**1245.00**
B	**L86-279**	T-3610-1002	Unit Ventilator	18" Rigid	**1099.00**

Dual Temperature and Heating/Cooling High Volume Output Thermostats

- **L46-442** and **L46-446** are high volume output, dual temperature, and dual dial thermostats; provide individual day and night, or two set point temperature control
- **L46-446** has indexing that permits to restore the day temperature of the individual thermostat without affecting the other system thermostats
- **L46-442** does not have indexing switch
- **L46-444**, **L46-447**, **L46-448** are high volume output, dual-temperature, dual-dial, heating/cooling thermostats; provide automatic changeover between direct and reverse actions when supply pressure changes from 15 to 20 PSIG (105 to 140 kPa)
- Includes Fahrenheit dial



A B

Fig.	Order #	Mfg. #	Description	Control Action	Mounting	Each
A	**L46-442**	T-4506-203	Day/Night Function	Direct Acting	Horizontal	**835.00**
A	**L46-444**	T-4756-201	Heat/Cool Function	15PSI DA; 20PSI RA	Horizontal	**819.00**
A	**L46-446**	T-4506-201	Day/Night Function	Direct Acting	Horizontal	**875.00**
B	**L46-447**	T-4752-201	Heat/Cool Function	15PSI DA; 20PSI RA	Horizontal	**775.00**
B	**L46-448**	T-4756-205	Heat/Cool Function	15PSI DA; 20PSI RA	Horizontal	**759.00**

Pneumatic Thermostat



- Designed to maintain space comfort in accordance with temperature of air returning to a terminal air conditioning unit
- Includes external setpoint adjusting dial
- Features tabs for the pointer that permit restricting temperature adjustment range
- Mounts in a variety of positions with the attached bracket
- Direct Acting: 15 PSIG
- Reverse Acting: 20 PSIG

Order #	Mfg. #	Each
L39-513	T-3300-1	**2099.00**

Valve Actuators



- For use with VG1000 series ball valves
- Single screw, direct mounting
- Reversible mounting design simplifies set-up of valve spring return position
- Compact design to accommodate limited-space applications

Order #	Mfg. #	Type	Torque	Control Signal
L46-279	VA9203-GGA-2Z	Spring Return	27 lb	0-10VDC/4-20mA
L41-790	VA9104-GGA-2S	Non-Spring Return	35 lb-in	Proportional 0(2) to 10VDC, 0(4) to 20mA
L46-280	VA9208-GGA-3	Spring Return	70 lb	0-10VDC/4-20mA

Valve Actuators



A



B



C

- Direct coupled, no linkage required
- Controls hot water, chilled water, glycol solutions and steam
- Long life replaceable ring packing provides highest reliability and longest life
- Fluid temperature range: 35 to 284°F (2 to 140°C)
- Voltage: 24VAC, 50/60 Hz
- **L46-602** and **L46-603** include selector switches that allow field conversion from proportional control to floating or on/off control
- Control signal for On/Off
- Floating models are 24VAC/VDC
- Proportional models are 0(2) to 10VDC, 0(4) to 20mA

Fig.	Order #	Mfg. #	Type	Torque	Control Signal
A	**L46-597**	VA-4233-AGA-2	Spring Return	61lb	Floating
A	**L46-598**	VA-4233-BGA-2	Spring Return	61lb	On/Off
A	**L46-599**	VA-4233-GGA-2	Spring Return	61lb	Proportional
B	**L46-600**	VA7810-AGA-2	Non-Spring	180lb	On/Off (Floating)
B	**L46-601**	VA7810-HGA-2	Non-Spring	180lb	Proportional
C	**L46-602**	VA7820-HGA-2	Spring Return (Spring Up)	180lb	On/Off (Floating) and Proportional
C	**L46-603**	VA7830-HGA-2	Spring Return (Spring Down)	180lb	On/Off (Floating) and Proportional

Valve Actuator



- For use with VG7000 series globe valves
- Provides floating/incremental control of valves with up to 5/16" stroke
- Compact assembly size fits most unit vent, baseboard, and other small coil applications
- Reversible synchronous motor accurately positions valve
- Includes stem retainer, clip kit and wire nuts

Order #	Mfg. #	Type	Torque	Control Signal
L41-791	VA-8020-1	Non-Spring Return	22 lb-in	Floating/Incremental 24VAC

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Integral Thermostat and Piston Top Valve Actuator

- Combination pneumatic thermostat and valve actuator providing proportional control of a steam or water valve in a heating/cooling application
- Designed for use with a valve-controlled terminal air conditioning unit
- Equipped with liquid filled bulb temperature measuring element
- Includes a built-in restrictor in the supply air connection
- Equipped with an external setpoint adjustment
- Fits any Johnson Controls 1/2" through 2" NPT normally open, normally closed, or mixing valve which takes a V-3000-1 and V-3000-8011 actuator
- Includes a protective snap-on cover
- Factory set for a nominal adjustment of ± 7.5°F (± 4°C)
- Includes pointer tabs to restrict the temperature adjustment range to as little as ± 2.5°F (± 1.4°C)
- Requires dual supply air pressures of 15 and 20 PSIG (105 and 140 kPa)



Order #	Mfg. #	Description	Mounting	Each
L46-450	T-3311-1	Direct Acting 15PSIG, Reverse Acting 20PSIG	Valve Top	**1345.00**

Valve Linkage Kits

- Used for mounting M9000 series actuators on VG1000 series ball valves
- **L46-281** ensures stable actuator mounting while preventing loading on the valve stem and stem seals
- **L46-596** provides thermal isolation and permits use of actuators on VG1000 valves with low pressure steam



A



B

Fig.	Order #	Mfg. #	Description	For Use With
A	**L46-281**	M9000-560	Ball Valve Linkage Kit	M9104, M9203, M9208 Series Electric Actuators to VG1000 Series Valves
B	**L46-596**	M9000-561	Thermal Barrier Kit	M9000-560 Ball Valve Linkage (for Low Pressure Steam)
—	**L47-339**	M9000-156	Includes: Mounting Bracket, Drive Shaft, LVR27A-602 Actuator Crankarm, Phillips Thread-Forming Screws , Self-Drilling Screws	M920X Series Actuators
—	**L47-340**	M9000-157	Includes: Mounting Bracket, Drive Shaft, LVR27A-602 Actuator Crankarm, Phillips Thread-Forming Screws , Self-Drilling Screws	M9204 Series Actuators
—	**L47-341**	M9000-158	Includes: Bottom Mounting Bracket, Top Mounting Bracket, Self-Tapping HEX Washer-Head Screw	Tandem Mount Two M9116-GGx or –HGx models; two M9124-AGx, -GGx, or –HGx; or two M9132-AGx or GGx models on a damper
—	**L47-342**	M9000-165	Includes: Mounting Bracket, Drive Shaft, LVR27A-602 Actuator Crankarm, Phillips Thread-Forming Screws , Self-Drilling Screws	M920X Series Actuators
—	**L48-997**	M9000-151	Base Mount Linkage Kit	M9000 Actuators
—	**L48-998**	M9000-270	Horizontal Remove Kit	Dampers
—	**L48-999**	M9000-400	Jackshaft Mounting Kit	Dampers
—	**L49-001**	M9000-604	Anti-Rotation Bracket	M9208 and M9210 Actuators
—	**L49-002**	M9000-605	Ball Joint Damper	Dampers
—	**L49-003**	M9104-100	Conduit Adapters	M9104 Actuators
—	**L49-004**	M9200-100	Conduit Fitting	M9000 Actuator Family
—	**L49-005**	M9208-600	Kit Gripper	M9208 Actuators
—	**L49-006**	M9208-601	Kit Gripper	M9208 Actuators
—	**L49-007**	M9208-602	Retaining Clip	M9208 Actuators
—	**L49-008**	M9208-603	Adjustable Stop Kit	M9208 Actuators
—	**L49-009**	M9220-600	Jackshaft Coupler	M9220 Actuators
—	**L49-010**	M9220-601	Gripper	M9220 Actuators
—	**L49-011**	M9220-602	Lock Clip	M9220 Actuators

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Valve Packing Kits



- Used to repack VG7000 series brass valves
- **L40-412** includes two ring packs, stem wiper, insertion/removal tool, bullet, grease tube and a 3" strip of crocus cloth
- **L40-413** includes two ring packs, stem wiper, stem guide, insertion/removal tool, sleeve packing installer, grease tube and a 3" strip of crocus cloth

Order #	Mfg. #	For Use With
L40-412	VG7000-6001	1/4" Stems
L40-413	VG7000-6002	3/8" Stems

Pneumatic Valve Actuators



A



B

- Accurately positions steam or water valve modulating plugs in response to a pneumatic signal from a controller
- Rolling and molded synthetic rubber diaphragm design provides a constant effective area throughout actuator stroke
- **L38-317** Exposed Yolk Actuator has a universal valve mounting design with an integral stroke position indicator providing visual reference for valve position, replaces older style V-3001 model
- **L38-318** Compact Actuator is ideally suited for 1/2" and 3/4" valve applications with restricted mounting space and a single set screw design provides easy assembly and field mounting to valve bonnet

Fig.	Order #	Mfg. #	Each
A	**L38-317**	V-3000-8012	**265.00**
B	**L38-318**	V-3801-8001	**319.00**

Valve Mounting And Spring Kits



- Used to mount VG7000 series valves with **L38-317** and **L38-318** pneumatic actuators
- Includes upper spring seat, spring, stem extension, stem locking screw and bonnet adapter

Order #	Mfg. #	Spring Range	Valve Size	For Use With	Each
L38-319	VG7000-1001	3 to 6 PSI	1/2" or 3/4"	L38-317	**109.00**
L38-320	VG7000-1002	4 to 8 PSI	1/2" or 3/4"	L38-317	**109.00**
L38-321	VG7000-1003	9 to 13 PSI	1/2" or 3/4"	L38-317	**129.00**
L40-404	VG7000-1004	3 to 6 PSI	1" or 1-1/4"	L38-317	**109.00**
L40-405	VG7000-1005	4 to 8 PSI	1" or 1-1/4"	L38-317	**129.00**
L40-406	VG7000-1006	9 to 13 PSI	1" or 1-1/4"	L38-317	**115.00**
L40-407	VG7000-1007	3 to 6 PSI	1-1/2" or 2"	L38-317	**125.00**
L40-408	VG7000-1008	4 to 8 PSI	1-1/2" or 2"	L38-317	**159.00**
L40-409	VG7000-1009	9 to 13 PSI	1-1/2" or 2"	L38-317	**109.00**
L38-322	VG7000-1010	3 to 6 PSI	1/2" or 3/4"	L38-318	**109.00**
L38-323	VG7000-1011	4 to 8 PSI	1/2" or 3/4"	L38-318	**109.00**
L38-324	VG7000-1012	9 to 13 PSI	1/2" or 3/4"	L38-318	**129.00**

Pneumatic Valve Actuators



- Positions steam or water valve-modulating plugs in response to a pneumatic signal from a controller
- Molded synthetic rubber diaphragm design provides a constant effective area throughout the valve stem stroke
- Die cast aluminum housing coated with corrosion-resistant finish
- Remove or reposition actuator by loosening a single set screw
- Easily field mounted to the valve bonnet with a single set screw
- Can be mounted to any of the V-3000, V-4000 or VT Series Valves (except V-3854)

Order #	Mfg. #	Max. Pressure	Each
L46-443	V-3000-1	30 psig	**325.00**
L47-447	V-3000-6000	30 psig	**125.00**

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Pneumatic Piston Damper Actuator

- Accurately positions small dampers on Variable Air Volume (VAV) boxes and terminals
- Also for use with other air flow control dampers in interiors with a maximum area of 4 sq. ft.
- Actuator housing allows flexible front or rear mounting
- Tubular shaft accepts telescoping rods or push-pull ball joint linkage
- **L39-494** is used for swivel mounting – reduces the side load on the shaft bearing to provide smooth operation

Specifications:
- Air connection: 1/8" NPT straight barb for 5/32" or 1/4" O.D. poly tubing
- Spring range: 8 to 13 PSIG
- Maximum actuator force (lb.) 8–13 PSIG: 46.2 power stroke, 33 return stroke

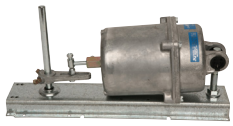


Order #	Mfg. #	Description	Each
L38-311	D-3062-3	Actuator	**305.00**
L39-494	D-3062-101	Auxiliary Mounting Kit	**239.00**

Pneumatic Piston Actuators

- Multipurpose positioning device that operates ventilating dampers in response to output signals from a pneumatic controller
- Two-way swivel connection on cylinder head insures non-binding movement
- Telescoping piston rod allows easy linkage to damper attachment points up to 8-3/4" away from actuator face
- Includes swivel ball joint and slotted crank arm connector for optional damper linkage methods
- Provides two positions on pivot post allowing direct actuation force on linkage not perpendicular or parallel to actuator mounting plane
- **L86-277** comes with **L38-313** positioner kit to enable sequential or two-stage actuator control (see below)

Specifications:
- Spring range: 8–13 PSIG
- Maximum actuator force 8–13 PSIG: 105 lbs. power stroke, 120 lbs. return stroke
- Air connection: Barb for 5/32" or 1/4" O.D. poly tubing



Order #	Mfg. #	Max. Pressure	Pressure Range PSIG	Each
L86-277	D-3153-1	30 PSIG	0-20 PSIG	**1845.00**
L86-278	D-3153-2	30 PSIG	0-20 PSIG	**1145.00**
L46-451	D-3153-5	30 PSIG	0-20 PSIG	**1099.00**

Positioner Kit

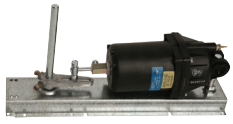
- For use with **L86-277** and **L86-278** actuators
- Provides dynamic stabilization and/or sequential control
- Includes mounting bracket for direct attachment to actuator body
- Precision relay device to adjust and maintain pneumatic damper actuators in exact places



Order #	Mfg. #	Max. Pressure	Pressure Range PSIG	Each
L38-313	D-9502-8	25 PSIG	2-12 PSIG	**825.00**

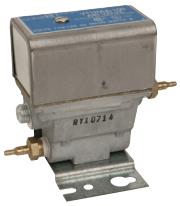
Pneumatic Actuator

- Multipurpose positioning device used to accurately position small dampers on unit ventilators, variable air volume (VAV) boxes, terminal units and small ventilating dampers in response to output signals of a pneumatic controller
- When used for proportional control, maximum damper size is limited to 6.75 sq. ft.; for two position control, damper size is limited to 11.7 sq. ft.
- Two-way swivel connection on cylinder head insures non-binding movement
- Telescoping piston rod allows easy linkage to damper attachment points up to 8-3/4" away from actuator face
- Includes swivel ball joint and slotted crank arm connector for optional damper linkage methods
- Air connection: 1/8" NPT straight barb for 5/32" or 1/4" O.D. poly tubing
- Spring range: 8 to 13 PSIG
- Maximum actuator force (lb.) @ 8–13 PSIG: 47 power stroke, 54 return stroke



Order #	Mfg. #	Each
L38-312	D-4073-2	**775.00**

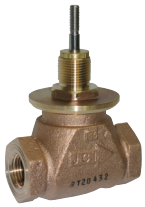
Three-Way Solenoid Valves



- For use in applications where an electrical circuit operates a pneumatic control
- Two position action
- Three piping connections — N.O., N.C. and COM (common)
- Can be operated manually by removing plug and inserting optional key (mfg. #Y99AA-4C)
- Operate in any position
- Air connections: 1/4" barb on N.C. and COM ports, 1.8" FNPT on N.O. port
- Pressure and flow ratings: At 15 PSIG inlet and 0 PSIG outlet, 2592 SCIM of air will pass from the COM to N.C. connection when energized and from the COM to N.O. connection when de-energized

Order #	Mfg. #	Volts	Max. Pressure	Pressure Range PSIG	Each
L38-308	V11HAA-100	120	30 PSIG	0–20 PSIG	**689.00**
L38-309	V11HCA-100	208	30 PSIG	0–20 PSIG	**789.00**
L38-310	V11HGA-100	24	30 PSIG	0–20 PSIG	**735.00**

Two-Way Globe Valves



- Designed to regulate the flow of hot or chilled water, 50/50 glycol solution and steam in HVAC applications
- Complies with ANSI Class 250 pressure/temperature standard
- Used with V-3000/V-3801 series pneumatic actuators or VA715x-1001 electric actuators

Specifications:
- Ambient operating temperature range: 35°F to 150°F pneumatic actuated; 35°F to 140°F VA-7150, 35°F to 122°F M9216 electrically actuated
- Maximum pressure/temperature: 400 PSIG up to 150°F decreasing to 365 PSIG at 248°F (water); 35 PSIG at 281°F (steam)
- Rangeability: 25:1

Order #	Mfg. #	Cv	Valve Type	Conn. Size
L40-392	VG7241CT	0.73	N.O.	1/2" NPT
L40-393	VG7441CT	0.73	N.C.	1/2" NPT
L38-314	VG7241GT	4.6	N.O.	1/2" NPT
L40-397	VG7441GT	4.6	N.C.	1/2" NPT
L38-315	VG7241ET	1.8	N.O.	1/2" NPT
L40-395	VG7441ET	1.8	N.C.	1/2" NPT

Order #	Mfg. #	Cv	Valve Type	Conn. Size
L38-316	VG7241LT	7.3	N.O.	3/4" NPT
L40-399	VG7441LT	7.3	N.C.	3/4" NPT
L40-401	VG7241NT	11.6	N.O.	1" NPT
L40-402	VG7441NT	11.6	N.C.	1" NPT
L86-792	VG7241PT	18.5	N.O.	1-1/4" NPT
L86-793	VG7441PT	18.5	N.C.	1-1/4" NPT

Order #	Mfg. #	Cv	Valve Type	Conn. Size
L86-795	VG7241RT	28.9	N.O.	1-1/2" NPT
L86-796	VG7441RT	28.9	N.C.	1-1/2" NPT
L86-798	VG7241ST	46.2	N.O.	2" NPT
L86-799	VG7441ST	46.2	N.C.	2" NPT

Three-Way Globe Valves



- Designed to regulate the flow of hot or chilled water, 50/50 glycol solution and steam in HVAC applications
- Complies with ANSI Class 250 pressure/temperature standard
- Used with V-3000/V-3801 series pneumatic actuators or VA715x-1001 electric actuators

Specifications:
- Ambient operating temperature range: 35°F to 150°F pneumatic actuated; 35°F to 140°F VA-7150, 35°F to 122°F M9216 electrically actuated
- Maximum pressure/temperature: 400 PSIG up to 150°F decreasing to 365 PSIG at 248°F (water); 35 PSIG at 281°F (steam)
- Rangeability: 25:1

Order #	Mfg. #	Cv	Valve Type	Conn. Size
L40-394	VG7842CT	0.73	Mixing	1/2" NPT
L40-396	VG7842ET	1.8	Mixing	1/2" NPT
L40-398	VG7842GT	4.6	Mixing	1/2" NPT

Order #	Mfg. #	Cv	Valve Type	Conn. Size
L40-400	VG7842LT	7.3	Mixing	3/4" NPT
L40-403	VG7842NT	11.6	Mixing	1" NPT
L86-794	VG7842PT	18.5	Mixing	1-1/4" NPT

Order #	Mfg. #	Cv	Valve Type	Conn. Size
L86-797	VG7842RT	28.9	Mixing	1-1/2" NPT
L86-800	VG7842ST	46.2	Mixing	2" NPT

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Two-Way Ball Valves

- Designed to regulate the flow of hot or chilled water, 50/50 glycol solution and low-pressure steam in HVAC applications
- Amodel® flow characterization disk allows for accurate control and eliminates the need for pipe reducers
- Used with M9000 series actuators and linkage kits
- Compact size allows for installation in tight-fit locations
- Maintenance-free design; no packing or rebuilding necessary
- Equal percentage flow characteristic
- NPT connections; also available in sweat and press connected

Specifications:

- Fluid temperature range: brass trim: 23°F to 203°F water; stainless steel trim: 23°F to 250°F water and 15 PSIG at 250°F steam
- Maximum closeoff pressure: 200 PSIG
- Rangeability: 500:1



Order #	Mfg. #	Conn. Size	Cv	Ball/Stem Material
L41-766	VG1241AD	1/2" NPT	1.2	Brass
L41-767	VG1245AD	1/2" NPT	1.2	Stainless Steel
L40-364	VG1241AE	1/2" NPT	1.9	Brass
L40-378	VG1245AE	1/2" NPT	1.9	Stainless Steel
L41-768	VG1241AF	1/2" NPT	2.9	Brass
L41-769	VG1245AF	1/2" NPT	2.9	Stainless Steel
L40-365	VG1241AG	1/2" NPT	4.7	Brass
L40-379	VG1245AG	1/2" NPT	4.7	Stainless Steel
L41-770	VG1241AL	1/2" NPT	7.4	Brass
L49-025	VG1245AL	1/2" NPT	7.4	Stainless Steel
L49-026	VG1245AN	1/2" NPT	11.7	Stainless Steel
L41-771	VG1241BG	3/4" NPT	4.7	Brass
L49-027	VG1245BG	3/4" NPT	4.7	Stainless Steel
L40-366	VG1241BL	3/4" NPT	7.4	Brass
L40-380	VG1245BL	3/4" NPT	7.4	Stainless Steel
L41-772	VG1241BN	3/4" NPT	11.7	Brass
L49-028	VG1245BN	3/4" NPT	11.7	Stainless Steel

Order #	Mfg. #	Conn. Size	Cv	Ball/Stem Material
L49-029	VG1245CL	1" NPT	7.4	Stainless Steel
L40-367	VG1241CN	1" NPT	11.7	Brass
L40-381	VG1245CN	1" NPT	11.7	Stainless Steel
L49-030	VG1245CP	1" NPT	18.7	Stainless Steel
L49-031	VG1245DN	1-1/4" NPT	11.7	Stainless Steel
L40-368	VG1241DP	1-1/4" NPT	18.7	Brass
L40-382	VG1245DP	1-1/4" NPT	18.7	Stainless Steel
L49-032	VG1245DR	1-1/4" NPT	29.2	Stainless Steel
L49-033	VG1245EP	1-1/2" NPT	18.7	Stainless Steel
L40-369	VG1241ER	1-1/2" NPT	29.2	Brass
L40-383	VG1245ER	1-1/2" NPT	29.2	Stainless Steel
L49-034	VG1245ES	1-1/2" NPT	46.8	Stainless Steel
L49-035	VG1245FR	2" NPT	29.2	Stainless Steel
L40-370	VG1241FS	2" NPT	46.8	Brass
L40-384	VG1245FS	2" NPT	46.8	Stainless Steel
L49-036	VG1245FT	2" NPT	73.7	Stainless Steel

Three-Way Ball Valves

- Designed to regulate the flow of hot or chilled water, 50/50 glycol solution and low-pressure steam in HVAC applications
- Amodel® flow characterization disk allows for accurate control and eliminates the need for pipe reducers
- Forged brass body, dual EPDM stem seals and 15% graphite-filled PTFE ball seats for leak-free operation
- Used with M9000 series actuators and linkage kits
- Maintenance-free design; no packing or rebuilding necessary
- Equal percentage flow characteristic (in-line port); linear flow characteristic (angle-port)
- NPT connections; also available in sweat and press connected

Specifications:

- Fluid temperature range: Brass trim: 23°F to 203°F water; stainless steel trim: 23°F to 250°F water and 15 PSIG at 250°F steam
- Maximum closeoff pressure: 200 PSIG
- Rangeability: 500:1



Order #	Mfg. #	Conn. Size	Cv	Ball/Stem Material
L41-773	VG1841AD	1/2"	1.2/0.7	Brass
L41-774	VG1845AD	1/2"	1.2/0.7	Stainless Steel
L40-371	VG1841AE	1/2"	1.9/1.2	Brass
L40-385	VG1845AE	1/2"	1.9/1.2	Stainless Steel
L41-775	VG1841AF	1/2"	2.9/1.9	Brass
L49-037	VG1841AF	1/2"	2.9/1.9	Stainless Steel
L40-372	VG1841AG	1/2"	4.7/2.9	Brass
L40-386	VG1845AG	1/2"	4.7/2.9	Stainless Steel
L49-038	VG1845AL	1/2"	7.4/4.7	Stainless Steel
L49-039	VG1845AN	1/2"	11.7/5.8	Stainless Steel
L41-776	VG1841BG	3/4"	4.7/2.9	Brass
L49-040	VG1845BG	3/4"	4.7/2.9	Stainless Steel
L40-373	VG1841BL	3/4"	7.4/4.7	Brass
L40-387	VG1845BL	3/4"	7.4/4.7	Stainless Steel
L49-041	VG1845BN	3/4"	11.7/5.8	Stainless Steel
L49-042	VG1845CL	1"	7.4/4.7	Stainless Steel

Order #	Mfg. #	Conn. Size	Cv	Ball/Stem Material
L40-374	VG1841CN	1"	11.7/7.4	Brass
L40-388	VG1845CN	1"	11.7/7.4	Stainless Steel
L49-043	VG1845CP	1"	18.7/9.4	Stainless Steel
L49-044	VG1845DN	1-1/4"	11.7/7.4	Stainless Steel
L40-375	VG1841DP	1-1/4"	18.7/11.7	Brass
L40-389	VG1845DP	1-1/4"	18.7/11.7	Stainless Steel
L49-045	VG1845DR	1-1/4"	29.2/14.6	Stainless Steel
L49-046	VG1845EP	1-1/2"	18.7/11.7	Stainless Steel
L40-376	VG1841ER	1-1/2"	29.2/18.7	Brass
L40-390	VG1845ER	1-1/2"	29.2/18.7	Stainless Steel
L49-047	VG1845ES	1-1/2"	46.8/29.2	Stainless Steel
L49-048	VG1845FR	2"	29.2/18.7	Stainless Steel
L40-377	VG1841FS	2"	46.8/29.2	Brass
L40-391	VG1845FS	2"	46.8/29.2	Stainless Steel
L49-049	VG1845FT	2"	73.7/36.8	Stainless Steel

Reset Volume Controllers



- Regulate air flow in Variable Air Volume (VAV) boxes
- Control output volume between adjustable minimum and maximum limits in response to reset signal from the thermostat or other master controller
- Fully adjustable reset start point, reset span and minimum and maximum flow set points
- Provide controllable flow down to 0.01" w.g. velocity pressure
- Range adjustable from 0.15" to 2.0" w.g.
- Isolated diaphragm design accepts any sensing line
- Fits most competitors mounting brackets
- Barbed fittings provided on all ports
- Includes replaceable filter/orifice assembly

Order #	Mfg. #	Thermostat	Each
L38-297	P-3800-1	Direct Acting/Reverse Acting	**785.00**
L38-298	P-3800-2	Reverse Acting/Direct Acting	**785.00**

Air Pressure Gauge



- Provides continuous indication of air pressure
- Includes equivalent metric scale
- Range: 0–30 PSIG
- Dial size: 1-1/2"
- Stem mount with 1/8" NPT center back

Order #	Mfg. #	Each
L38-305	G-2010-5	**119.00**

TE-6300 Series Temperature Sensors

- Provides economical solutions for a wide variety of temperature sensing needs, including wall-mount, outdoor-air, duct, strap-mount, well-insertion, duct-averaging, and VAV Modular Assembly (VMA) flange-mount duct-probe applications
- Offers both a metal and a plastic enclosure for the most popular models
- All TE-6300 Series sensors are two-wire, passive, resistance-output devices



A



B



C

Fig.	Order #	Mfg. #	Description	Each
Platinum Sensor (1k ohm)				
A	**L46-862**	TE-6350F-0	Flush Mount	**215.00**
A	**L46-863**	TE-6350F-1	Flush Mount	**175.00**
B	**L46-882**	TE-635GV-2	Flange Mount; Probe Length 4" (102 mm)	**65.00**
B	**L46-883**	TE-6351V-2	Flange Mount; Probe Length 8" (203 mm)	**79.00**
C	**L46-884**	TE-635GM-1	Duct Mount; Probe Length 4" (102 mm)	**69.00**
C	**L46-885**	TE-6351M-1	Duct Mount; Probe Length 8" (203 mm)	**79.00**
C	**L46-886**	TE-635JM-1	Duct Mount; Probe Length 18" (457 mm)	**119.00**
—	**L46-887**	TE-635S-1	Strap Mount; Probe Length 3in (76 mm)	**115.00**
—	**L47-013**	TE-6351A-1	Adjustable Mount; Probe Length 8" (203 mm)	**145.00**
C	**L47-014**	TE-6351P-1	Duct Mount; Probe Length 8" (203 mm)	**215.00**
C	**L47-015**	TE-6352M-1	Well Mount; Probe Length 8" (203 mm)	**95.00**
C	**L47-016**	TE-6352P-1	Well Mount; Probe Length 8" (203 mm)	**295.00**
—	**L47-017**	TE-6353P-1	Outdoor Air Mount; Probe Length 3" (76 mm)	**295.00**
C	**L47-018**	TE-635AM-1	Well Mount; Probe Length 6" (152 mm)	**109.00**
C	**L47-019**	TE-635AM-2	Well Mount; Probe Length 6" (152 mm)	**89.00**
C	**L47-020**	TE-635AP-1	Well Mount; Probe Length 6" (152 mm)	**235.00**
Thermistor Sensor (10k ohm) Type II				
—	**L46-888**	TE-636GV-2	Flange Mount; Probe Length 4" (102 mm)	**95.00**
—	**L46-889**	TE-6361V-2	Flange Mount; Probe Length 8" (203 mm)	**95.00**
C	**L46-890**	TE-636GM-1	Duct Mount; Probe Length 4" (102 mm)	**69.00**
C	**L46-891**	TE-6361M-1	Duct Mount; Probe Length 8" (203 mm)	**95.00**
C	**L46-892**	TE-636JM-1	Duct Mount; Probe Length 18" (457 mm)	**129.00**
—	**L46-893**	TE-636S-1	Strap-Mount; Probe Length 3" (76 mm)	**59.00**
—	**L47-021**	TE-6361A-1	Adjustable Mount; Probe Length 8" (203 mm)	**139.00**
C	**L47-022**	TE-6361P-1	Duct Mount; Probe Length 8" (203 mm)	**275.00**
C	**L47-023**	TE-6362M-1	Well Mount; Probe Length 8" (203 mm)	**109.00**
—	**L47-024**	TE-6363P-1	Outdoor Air Mount; Probe Length 3" (76 mm)	**155.00**
C	**L47-025**	TE-636AM-1	Well Mount; Probe Length 6" (152 mm)	**119.00**
C	**L47-026**	TE-636AM-2	Well Mount; Probe Length 6" (152 mm)	**95.00**
A	**L46-864**	TE-6360F-0	Flush Mount	**215.00**
A	**L46-865**	TE-6360F-1	Flush Mount	**215.00**
Nickel Sensor (1k ohm)				
A	**L46-989**	TE-6310F-0	Flush Mount	**179.00**
A	**L46-990**	TE-6310F-1	Flush Mount	**159.00**
C	**L46-991**	TE-6311M-1	Duct Mount; Probe Length 8" (203 mm)	**75.00**
—	**L46-992**	TE-6311V-2	Flange Mount; Probe Length 8" (203 mm)	**79.00**
C	**L46-993**	TE-631GM-1	Duct Mount; Probe Length 4" (102 mm)	**69.00**
—	**L46-994**	TE-631GV-2	Flange Mount; Probe Length 4" (102 mm)	**65.00**
C	**L46-995**	TE-631JM-1	Duct Mount; Probe Length 18" (457 mm)	**115.00**
—	**L46-996**	TE-631S-1	Strap-Mount; Probe Length 3" (76 mm)	**95.00**
—	**L46-997**	TE-6311A-1	Adjustable Mount; Probe Length 8" (203 mm)	**149.00**
C	**L46-998**	TE-6311P-1	Duct Mount; Probe Length 8" (203 mm)	**185.00**
C	**L46-999**	TE-6312M-1	Well Mount; Probe Length 8" (203 mm)	**99.00**
C	**L47-001**	TE-6312P-1	Well Mount; Probe Length 8" (203 mm)	**235.00**
—	**L47-002**	TE-6313P-1	Outdoor Air Mount; Probe Length 3" (76 mm)	**95.00**
—	**L47-003**	TE-6314P-1	Wall Mount	**65.00**
—	**L47-004**	TE-6315M-1	Averaging Mount; Probe Length 8 ft (2.4 m)	**289.00**
—	**L47-005**	TE-6315P-1	Averaging Mount; Probe Length 8 ft (2.4 m)	**325.00**
—	**L47-006**	TE-6315V-2	Averaging Mount; Probe Length 8 ft (2.4 m)	**345.00**
—	**L47-007**	TE-6316M-1	Averaging Mount; Probe Length 17 ft (5.2 m)	**319.00**
—	**L47-008**	TE-6316P-1	Averaging Mount; Probe Length 17 ft (5.2 m)	**345.00**
—	**L47-009**	TE-6316V-2	Averaging Mount; Probe Length 17 ft (5.2 m)	**439.00**
C	**L47-010**	TE-631AM-1	Well Mount; Probe Length 6" (152 mm)	**105.00**
C	**L47-011**	TE-631AM-2	Well Mount; Probe Length 6" (152 mm)	**95.00**
C	**L47-012**	TE-631AP-1	Well Mount; Probe Length 6" (152 mm)	**189.00**

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Humidity Transmitters With Temperature Sensor

- Provide both humidity and temperature sensing in room wall-mount applications
- The transmitter offers local warmer/ cooler temperature setpoint adjustment and temporary occupancy override
- The humidity sensor provides Relative Humidity (RH) accuracy of ±2% or ±3% RH and measures RH over the entire range of 0 to 100%
- Include screw terminal block terminations that provide flexibility for field wiring
- Controller configuration DIP Switch allows users to adjust the room comfort and choose occupancy features that match the application and transmitter
- Power requirements: 4.5 to 7.5 mA at 14 to 30VDC and 5K ohm Load, or 18 to 25 mA at 20 to 30VAC and 5K ohm Load
- Sensor type: 1,000 ohm Thin Film Nickel
- Coefficient: approximately 3 ohm per F° (5.4 ohm per C°)
- Reference Resistance: 1,000 ohm at 70°F (0°C)
- Accuracy: ±0.34F° at 70°F (±0.18C° at 21°C)
- Platinum sensing element



Order #	Mfg. #	Description	Each
L46-866	HE-68P2-0N00WS	No Warmer /Cooler Temperature Setpoint Adjustment Override	**945.00**
L46-867	HE-68P2-1N00WS	Warmer /Cooler Temperature Setpoint Adjustment Override	**975.00**
L46-868	HE-68P3-0N00WS	No Warmer /Cooler Temperature Setpoint Adjustment Override	**875.00**
L46-869	HE-68P3-1N00WS	Warmer /Cooler Temperature Setpoint Adjustment Override	**965.00**

TE-6800 Series Temperature Sensors

- Provides temperature sensing in room wall mount applications
- Platinum sensing element
- Allows local setpoint temperature adjustment and temporary occupancy override
- An occupancy override button allows the user to request a time-of-day scheduling override when the space is occupied outside of the normal occupied hours schedule
- All sensors have DIP switches that enable or disable unit functions
- All models include a Zone Bus access port for connecting accessories to access the 6-pin modular jack

Specifications:

- Temperature sensor: 1000 ohm thin-film platinum
- Temperature Coefficient: Approximately 2 ohms per F° (3.9 ohms per C°)
- Reference Resistance: 1000 ohms at 32°F (0°C)
- Accuracy: ±0.35F° at 70°F (±0.19C° at 21°C)
- Field Connections: 1. Modular Jack- 8-position modular jack connector. 2. Terminal Block- screw type terminals for 18 to 24 AWG wire



Order #	Mfg. #	Description	Each
L46-870	TE-68PP-0N00S	Modular Jack Connection	**255.00**
L46-871	TE-68PP-1N00S	Modular Jack Connection	**199.00**
L46-872	TE-68PT-0N00S	Terminal Block Connection	**285.00**
L46-873	TE-68PT-1N00S	Terminal Block Connection	**185.00**
L46-874	NS-WALLPLATE-0	Adapts a TE-6800 Sensor (80 x 80 mm) to a standard 80 x 120 mm wallbox	**38.99**

CO2 Transmitters

- For measuring and transmitting CO2 levels, ranging from 0 to 2,000 parts per million (ppm), within heating, ventilating and air conditioning (HVAC) CO2 applications
- Specific HVAC CO2 applications include Demand Control Ventilation (DCV), fresh air and Indoor Air Quality (IAQ), and rooftop air handling economizer controls systems
- Designed to work as in stand-alone mode or as part of any integrated Building Automation System (BAS)



Order #	Mfg. #	Description	Each
L46-875	CD-W00-00-2	Wall Mount CO2 Transmitter with Logo	**785.00**
L46-877	ACC-DWCLIP-0	Drywall Spring-Clip Mounting Kit	**14.99**
L46-878	Y65T31-0	Multiple Primary Transformer, 40 VA, 120/208/240 V Primary, 24 V Class 2 Secondary with Screw Terminals: Foot Mounting or 4 x 4 in. (100 x 100 mm) Plate	**179.00**

Receiver-Controllers



- For use with remote temperature, humidity or pressure transmitters that are connected to a control variable (Cv) input
- Provides restricted supply air to low volume remote transmitters, reducing air line connections between instruments to only one line
- Cv input accepts transmitted output of any pneumatic device with a calibrated output of 3–15 PSIG
- Direct or reverse acting — action and readjustment are field selectable
- Includes hypodermic needle test points for pressure checks and output pressure gauge
- Adjustments for gain, local set point, ratio, master input balance and integral time located on controller face

Specifications:
- Air connection: Barb for 1/4" O.D. poly tubing
- Adjustable from 0.5:1 to 15:1; factory set at approximately 10:1
- Ambient operating temperature: 50°F to 120°F
- Ambient operating humidity: 10-90% R.H. at max. dew point or 85°F
- 1,000 SCIM output capacity

Order #	Mfg. #	Air Consumption	Output	Each
L38-295	T-5800-1	45 SCIM	Single, Proportional	**2945.00**
L38-296	T-5800-3	60 SCIM	Dual, Proportional	**4045.00**

Remote Element Controllers



- Equipped with flexure levers to reduce hysteresis and friction
- Gage and set point dial are visible through the cover
- Designed for surface mounting
- Adjustable gain by repositioning the sliding leakport

Order #	Mfg. #	Description	Control Action	Element Length	Each
L46-445	T-8000-3	Non-compensated capillary	Proportional	Bulb 15 ft.	**2799.00**
L46-449	T-8000-1	Non-compensated capillary	Proportional	Bulb 4 ft.	**2799.00**

Signal Transmitter



- Can be used to repeat pneumatic transmission signals, act as a high or low signal limiter, or a differential switchover device
- Operates at a 1:1 ratio to compensate for pressure drops and lag times
- Provides additional capacity for a pneumatic transmitter with input to several T-5800 receiver-controllers
- Proportional, direct acting
- Input pressure: 25 PSI maximum

Order #	Mfg. #	Each
L38-304	C-5226-3	**305.00**

Pressure Electric Switch



- Opens or closes electrical circuits in response to a change in operating air pressure
- R to Y terminals make on pressure rise
- SPDT, single function snap-acting switch in dust proof enclosure
- Factory set at 12 PSIG with switch differential of 2 PSIG
- Adjustable range: 3–20 PSIG
- Air connection: Barb for 1/4" O.D. poly tubing
- Galvanized mounting brackets and cover

Specifications:
- F/L Amps: 120VAC, 16.0; 208VAC, 9.2; 240VAC, 8.0; 277VAC, 7.0
- LR Amps: 120VAC, 96.0; 208VAC, 55.2; 240VAC, 48.0; 277VAC, 42.0
- Non-inductive amps: 120VAC, 16.0; 208VAC, 9.2; 240VAC, 8.0; 277VAC, 7.2
- Pilot duty: 125VA @ 24–277VAC

Order #	Mfg. #	Each
L38-307	P10BC-7C	**249.00**

In-Line Oil Removal Filter



- For use with T-5800 receiver-controllers and P-3800 reset volume controllers
- Combines coalescing and activated carbon filters in series to provide clean, oil free air by removing oil aerosols and vapors in pneumatic systems
- Air supply to the filter must be from a properly broken-in air compressor producing less than 6 PPM aerosol oil
- Temperature limit: 125°F; Max. input pressure: 2600 SCIM @ 125 PSIG
- 1/4" barb fittings

Order #	Mfg. #	Each
L38-299	A-4000-1037	**109.00**

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Temperature Transmitters

Johnson Controls

- Measures temperature and converts measurement to an air pressure signal that is transmitted to a pneumatic receiver, controller or receiver-indicator
- Requires a 0.007" restricted supply
- Will operate in any position from a rigid, flat mounting surface
- Includes appropriate brackets for mounting to walls, ductwork or directly to hub of a duct flange or separate well
- Bimetal element compensates for ambient temperature effect



Order #	Mfg. #	Element Type	Temp. Range	Each
L38-300	T-5210-1002	Copper Bulb w/ 5-1/2" Copper Capillary	0°F to 100°F	**1099.00**
L38-301	T-5210-1004	Copper Bulb w/ 5-1/2" Copper Capillary	40°F to 240°F	**1099.00**
L38-302	T-5210-1113	Copper Bulb w/ 4' Copper Capillary	-40°F to +160°F	**1145.00**
L38-303	T-5210-1114	Copper Bulb w/ 4' Copper Capillary	0°F to 100°F	**1145.00**

Thermostats

Honeywell

- Proportional control for pneumatic valves and damper actuators
- Convertastat™ Kit includes thermostat, universal adapter, wall plate and universal satin chrome cover to convert competitive thermostats to TP970 series
- Modernization Kit (**L38-501**) includes thermostat, universal adapter and universal satin chrome cover to convert late model Honeywell thermostats to TP970 series
- **L39-899** is an energy conservation model
- **L38-897**, **L38-900** and **L39-902** require use of **L38-898** 0.005" Blue Filter Restrictor on one-pipe applications
- **L39-803**, **L39-898**, **L39-900** and **L39-902** models include a satin chrome cover with vertical and blank window options to convert competitive thermostats to TP970 series
- Satin chrome cover (**L38-899**) and Modernization Kit (**L38-501**) are required for use with **L38-897** to convert late model Honeywell thermostats to TP970 series

Specifications:

- Setpoint range: 60°F to 90°F
- Maximum supply air: 25 PSI
- Air consumption: 0.011 SCFM
- Throttling range: 2°F to 10°F; preset at 4°F
- Dimensions: 2" W x 3-1/4" H x 1-5/8" D



A



B

Fig.	Order #	Mfg. #	Type	Control Action	Includes	Each
A	**L38-534**	TP970A2004	Two-Pipe	Direct Acting	Thermostat Only — No Cover	**495.00**
A	**L38-536**	TP970B2002	Two-Pipe	Reverse Acting	Thermostat Only — No Cover	**499.00**
A	**L39-801**	TP970A2038	Two-Pipe	Direct Acting	Modernization Kit (Honeywell Only)	**965.00**
A	**L39-802**	TP970A2053	Two-Pipe	Direct Acting	Modernization Kit (All Brands)	**815.00**
A	**L38-535**	TP970A2145	Two-Pipe	Direct Acting	Convertastat™ Kit	**699.00**
A	**L39-803**	TP970A2259	Two-Pipe	Direct Acting	Satin Chrome Cover	**779.00**
A	**L39-898**	TP970B2182	Two-Pipe	Reverse Acting	Satin Chrome Cover	**685.00**
A	**L38-537**	TP970B2077	Two-Pipe	Reverse Acting	Convertastat™ Kit	**709.00**
A	**L39-982**	TP971A2003	Two-Pipe	Direct Acting: 13 PSI Day; 18 PSI Night	Thermostat Only – No Cover	**779.00**
A	**L38-538**	TP971A2102	Two-Pipe	Direct Acting: 13 PSI Day; 18 PSI Night	Convertastat™ Kit	**1099.00**
A	**L39-983**	TP972A2002	Two-Pipe	Heating DA 18 PSI; Cooling RA 13 PSI	Thermostat Only — No Cover	**709.00**
A	**L39-899**	TP972A2036	Two-Pipe	Heating DA 18 PSI; Cooling RA 13 PSI	Thermostat Only — No Cover	**755.00**
A	**L38-539**	TP972A2192	Two-Pipe	Heating DA 18 PSI; Cooling RA 13 PSI	Convertastat™ Kit	**835.00**
A	**L38-897**	TP973A2076	One or Two-Pipe	Direct Acting	Thermostat Only — No Cover	**429.00**
A	**L39-900**	TP973A2209	One or Two-Pipe	Direct Acting	Satin Chrome Cover	**595.00**
A	**L39-901**	TP973B2066	One or Two-Pipe	Reverse Acting	Thermostat Only – No Cover	**485.00**
A	**L39-902**	TP973B2171	One or Two-Pipe	Reverse Acting	Satin Chrome Cover	**699.00**
B	**L38-894**	TP9600A1007	Two-Pipe	Direct Acting	Plastic Cover w/Visible Setpoint	**465.00**
B	**L38-895**	TP9600B1006	Two-Pipe	Reverse Acting	Plastic Cover w/Visible Setpoint	**515.00**
B	**L39-981**	TP9603A1001	Two-Pipe	Direct Acting	Plastic Cover w/out Visible Setpoint	**769.00**
B	**L38-896**	TP9610A1006	Two-Pipe	Direct Acting: 13 PSI Day; 18 PSI Night	Plastic Cover w/Visible Setpoint	**845.00**

Thermostat Accessories

Honeywell

Order #	Mfg. #	Description	For Use With	Each
L38-502	14004407-910	TP970 Beige Cover Kit	TP970 Series Pneumatic Thermostats	**399.00**
L38-899	14004406-910	TP970 Satin Chrome Cover Kit	TP970 Series Pneumatic Thermostats	**265.00**
L39-924	14004406-111	Satin Chrome Thermostat Cover, Vertical Mounting, 60-90°F Setpoint Display	TP970 Series Pneumatic Thermostats	**245.00**
L39-842	14004406-115	Satin Chrome Thermostat Cover for Vertical Mounting	TP970 Series Pneumatic Thermostats	**205.00**
L39-843	14004407-111	Plastic Beige Thermostat Cover	TP970 Series Pneumatic Thermostats	**275.00**
L39-849	14004878-910	TP970 Premier White Cover	TP970 Series Pneumatic Thermostats	**959.00**
L39-925	14004406-300	Satin Chrome Thermostat Cover for Vertical Mounting, No Display, Slots Closed	TP970 Series Pneumatic Thermostats	**199.00**
L38-501	14002573-001	TP970 Modernization Kit	One or Two-Pipe Thermostats	**505.00**
L38-898	14002913-001	0.005 in. Blue Filter Restriction Assembly (1/4" x 5/32" x 1/4")	TP973 & TP963 Series One-Pipe Thermostats	**65.00**
L39-921	14002913-002	0.007 in. Red Filter Restriction Assembly (1/4" x 1/4" x 1/4")	TP973 & TP963 Series One-Pipe Thermostats	**89.00**
L38-503	AK3863	Tool Kit	TP970 & TP900 Series Thermostats	**359.00**
L39-836	14002136-004	TP970 Black Decorative Wall Plate	TP970 Series Pneumatic Thermostats	**41.49**

continued on next page

Order #	Mfg. #	Description	For Use With	Each
L39-671	14001496-001	Adapter Plate For TP970 Flush Cover Assembly	TP970 Series Pneumatic Thermostats	**55.00**
L39-996	14002430-001	Heavy-Duty Transparent Plastic Guard	TP970 Series Pneumatic Thermostats	**565.00**
L39-673	14001865-001	Filter Cartridge Assembly	TP970 Series Pneumatic Thermostats	**31.99**
L39-835	14002053-001	Wallplate Assembly, Includes Set Screws	TP970 Series Pneumatic Thermostats	**28.99**
L39-837	14002136-005	Beige Decorative Wall Plate	TP970 Series Pneumatic Thermostats	**33.99**
L39-923	14003192-001	Wallplate Adapter Kit to Replace TP900 Series	TP970 Series Pneumatic Thermostats	**369.00**
L39-844	14004438-001	Satin Chrome Setpoint Cover Insert	TP971 Series Pneumatic Thermostats	**28.49**
L39-845	14004438-002	Beige Plastic Setpoint Insert Cover	TP971 Series Pneumatic Thermostats	**65.00**
L39-846	14004447-001	Setpoint Cam Assembly	TP970A, C Series Pneumatic Thermostats	**29.49**
L39-847	14004447-002	Setpoint Cam Assembly	TP972A2002 & TP970B Series Pneumatic Thermostats	**34.49**
L39-848	14004459-001	Scaleplate Bag Assembly	TP970 & TP973 Series Pneumatic Thermostats	**85.00**
L47-428	CCT735A	Thermostat Calibration Tool. Includes: Allen Wrench for Cover Installation	HP970, HP972 Pneumatic Humidistats	**45.49**

Honeywell

Airstream Insertion Pneumatic Thermostat



- Provides proportional control of pneumatic valves and damper actuators in HVAC systems
- Commonly used as discharge controllers for unit ventilators
- Gage tee and tank valve facilitate checking line pressures

Specifications:
- Throttling range: 10°F to 70°F
- Operating range: 40°F to 140°F
- Dimensions: 1-1/16" W x 5-7/16" H x 2-1/4" D

Order #	Mfg. #	Type	Control Action	Includes	Each
L86-624	LP907A1002	One-Pipe	Direct Acting	Fittings for Mounting on Sheet Metal Duct	**1745.00**

Honeywell

Unit Thermostats



- Provides proportional control of pneumatic valves and damper actuators in HVAC systems
- Single temperature warmer/cooler scale
- Liquid filled 36" remote bulb sensor

Specifications:
- Setpoint range: 65°F to 85°F
- Air consumption: 0.011 SCFM with 0.005" restriction, 0.022 SCFM with 0.007" restriction
- Throttling range: 3.5°F fixed
- Dimensions: 3-3/4" W x 4-3/4" H x 3" D

Order #	Mfg. #	Type	Control Action	Mounting	Each
L39-853	LP916A1019	Two-Pipe	Direct Acting	Integral Bracket Included	**1245.00**
L39-854	LP916A1134	Two-Pipe	Direct Acting	Integral Bracket Included	**1199.00**
L38-511	LP916B1074	Two-Pipe	Heating — DA 18 PSI; Cooling — RA 13 PSI	Replacement — No Bracket	**1399.00**
L38-510	LP916B1082	Two-Pipe	Heating — DA 18 PSI; Cooling — RA 13 PSI	Integral Bracket Included	**1245.00**

Honeywell

Damper Actuators



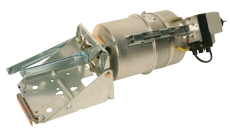
- Provides pneumatic proportional control of dampers and high velocity mixing box air valves

Specifications:
- Maximum supply air: 29 PSI
- Dimensions: 17" L x 6-3/8" H x 6-7/8" W on all models except **L38-517**; 8-5/8" H x 3-1/2" diameter on **L38-517**

Order #	Mfg. #	Description	Spring Range	Actuator Stroke	Each
L38-517	MP909E1026	Actuator Only	3 to 13 PSI	4"	**549.00**
L38-516	MP909E1018	Actuator w/ Mounting Bracket & Linkage	3 to 13 PSI	4"	**645.00**
L39-934	MP909E1034	Actuator w/ Mounting Bracket & Linkage	5 to 10 PSI	4"	**779.00**
L39-935	MP909E1174	Actuator w/ Mounting Bracket & Linkage	9 to 13 PSI	3.1"	**725.00**

Honeywell

Damper Actuators



- Provides pneumatic proportional control of medium to large size dampers in heating and air conditioning systems
- 5 PSI spring included with **L86-635** and **L86-636**

Specifications:
- Stroke: 3-1/2"
- Maximum operating pressure: 25 PSI
- Dimensions: 20-1/2" L x 8" H x 6-5/8" D

Order #	Mfg. #	Description	Each
L86-635	MP918A1024	Actuator with External Mounting Bracket and Positive Positioner; 10 PSI Span	**1945.00**
L86-636	MP918A1057	Actuator with Internal N.C. Mounting Bracket and Positive Positioner; 10 PSI Span	**2099.00**
L86-302	MP918B1006	Actuator w/External Mounting Bracket; 3 to 13 PSI	**1099.00**
L86-303	MP918B1030	Actuator Only; 3 to 13 PSI	**939.00**

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Unit Ventilator Damper Actuator

Honeywell

- Provides pneumatic proportional control
- Includes hesitation feature for unit ventilator cycles requiring a minimum percentage of outdoor air

Specifications:
- Damper load rating: 2.7 sq. ft.
- Stroke length: 2-1/8" to 2", adjustable
- Minimum stroke: Pre-set at 33% full stroke; adjustable 0 to 100%
- Spring range: 3 to 12 PSI
- Maximum supply air: 25 PSI
- Air connections: 1/8" FPT
- Dimensions: 4-1/2" H x 6-7/8" D



Order #	Mfg. #	Each
L86-301	MP516A1087	**2745.00**

Damper Actuators

Honeywell

- Provides pneumatic proportional control

Specifications:
- Actuator net force: 21 lbs. @ 20 PSI for **L38-515**; 30 lbs. @ 20 PSI for **L38-514** and **L38-876**
- Stroke: 2.4" for **L38-514** and **L38-515**; 3.0" for **L38-876**
- Maximum supply air: 30 PSI
- Air connections: 5/32" for **L38-514** and **L38-515**
- Dimensions: 6-5/16" H x 2-7/16" diameter
- **L39-876** includes 1/4" barb connector, with clevis and cotter pins



Order #	Mfg. #	Spring Range	Each
L38-515	MP909D1219	8 to 13 PSI	**335.00**
L38-514	MP909D1227	5 to 10 PSI	**285.00**
L39-876	MP909D1441	5 to 10 PSI	**345.00**

Pneumatic Coil Valve Actuators

Honeywell

- Pneumatic spring return actuators provide proportional control of steam or hot/cold liquids by operating V5011 and V5013 valve assemblies
- May be installed after piping valve

Specifications:
- Maximum supply air: 25 PSI
- Air connections: barbed fitting for 5/32" O.D. plastic tubing
- Temperature ratings: operating: 0°F to 140°F; Diaphragm, maximum: 160°F on MP953C series (neoprene diaphragm); 200°F on MP953D series (EPDM diaphragm)



Order #	Mfg. #	Description	Spring Range	Action	Each
L39-954	MP953C1000	4-5/8" H x 5" Diameter	2 to 7 PSI	Direct Acting	**495.00**
L39-955	MP953C1018	4-5/8" H x 5" Diameter	8 to 12 PSI	Direct Acting	**605.00**
L39-956	MP953C1026	4-5/8" H x 5" Diameter	4 to 11 PSI	Direct Acting	**489.00**
L86-663	MP953C1067	6-1/2" H x 8" Diameter	2 to 7 PSI	Direct Acting	**1145.00**
L86-664	MP953C1075	6-1/2" H x 8" Diameter	8 to 12 PSI	Direct Acting	**1145.00**
L86-631	MP953C1083	6-1/2" H x 8" Diameter	4 to 11 PSI	Direct Acting	**1099.00**
L86-665	MP953D1107	5-5/8" H x 7-1/8" Diameter	8 to 13 PSI	Reverse Acting	**1245.00**
L86-632	MP953D1131	5-5/8" H x 7-1/8" Diameter	4 to 11 PSI	Reverse Acting	**1445.00**
L39-834	14002040-002	Diaphragm for MP953B, D, F	—	—	**145.00**
L39-922	14003124-002	Diaphragm Repair Kit for MP953B, D, F	—	—	**499.00**
L40-762	312760	Diaphragm for MP953A, C, E	—	—	**99.00**

Pneumatic Valve Actuators

Honeywell

- For use with V5852A2, V5862A2, V5853A2 and V5863A2 series valves to control hot and/or chilled water
- Dimensions: 2-1/4" diameter x 3-3/16" H



Order #	Mfg. #	Type	Spring Range	Max. Pressure	Action	Each
L39-877	MP958A1009	Spring Return	2 to 5 PSI	30 PSI	Direct Acting	**329.00**
L39-878	MP958A1025	Spring Return	8 to 11 PSI	30 PSI	Direct Acting	**329.00**

Honeywell

Pressure Reducing Valve



- High pressure diaphragm operated reducing valve with built-in adjustable relief valve for single pressure systems
- Includes mounting bracket and gauge taps but no gauges

Specifications:
- Output pressure range: Primary pressure: adj. 0 to 25 PSI; secondary pressure: adj. 0 to 5 PSI above primary rating
- Dimensions: 8-7/8" W x 11" H x 3-3/4" D

Order #	Mfg. #	Each
L39-884	PP901A1004	**1899.00**

Honeywell

Two-Way Globe Valves



- Used for two-position or modulating control of water and glycol solutions (to 50% concentration) in heating or cooling systems
- 50:1 rangeability per VDI/VDE 2173

Specifications:
- Materials (body): Brass with Stainless Steel Seat and Stem
- Temperature range: 36°F to 248°F water
- Use with actuator: Q5001/Modutrol IV™ Motor; Q5020/DCA
- Maximum operating pressure: 250 PSI water

Order #	Mfg. #	Size	Cv	Dimensions
L39-903	V5011N1008	1/2"	0.73	3-1/4" W x 6-5/8" H x 1-9/16" D
L39-904	V5011N1016	1/2"	1.16	3-1/4" W x 6-5/8" H x 1-9/16" D
L39-905	V5011N1024	1/2"	1.85	3-1/4" W x 6-5/8" H x 1-9/16" D
L39-906	V5011N1032	1/2"	2.9	3-1/4" W x 6-5/8" H x 1-9/16" D
L39-907	V5011N1040	1/2"	4.7	3-1/4" W x 6-5/8" H x 1-9/16" D
L39-908	V5011N1057	3/4"	7.3	7-1/2" W x 13-1/2" H x 11" D

Order #	Mfg. #	Size	Cv	Dimensions
L39-909	V5011N1065	1"	11.7	4-1/16" W x 6-5/8" H x 1-9/16" D
L39-910	V5011N1073	1-1/4"	18.7	4-3/16" W x 7-5/16" H x 1-9/16" D
L39-911	V5011N1081	1-1/2"	29.3	4-3/4" W x 7-1/8" H x 1-13/16" D
L39-912	V5011N1099	2"	46.8	5-1/4" W x 11-5/16" H x 4-3/4" D
L47-295	V5011N2097	2"	46.8	5-1/4" W x 11-5/16" H x 4-3/4" D

Honeywell

Three-Way Globe Valves



- Controls hot water, cold water, and glycol solutions (up to 50 percent concentration) in heating or cooling HVAC applications
- Stainless steel stem and brass plug
- 50:1 rangeability per VDI/VDE 2173

Specifications:
- Max differential pressure: 230 PSI
- Temperature range: 36°F to 248°F Water
- Use with actuator: Q5001/Modutrol IV™ Motor; Q5020/DCA, MP953 Pneumatic Series and ML Electric Series
- Maximum operating pressure: 250 PSI water

Order #	Mfg. #	Description	Size	Cv	Valve Type	Dimensions
L39-913	V5013N1030	Red Brass	1/2"	2.9	Stainless Steel	3-1/4" W x 8-5/16" H x 1-9/16" D
L39-914	V5013N1048	Stainless Steel	1/2"	4.7	Stainless Steel	3-1/4" W x 8-5/16" H x 1-9/16" D
L39-915	V5013N1055	Red Brass	3/4"	7.3	Stainless Steel	3-1/4" W x 7-5/16" H x 1-9/16" D
L39-916	V5013N1063	Red Brass	1"	11.7	Stainless Steel	4-1/16" W x 7-5/16" H x 1-9/16" D
L39-917	V5013N1071	Red Brass	1-1/4"	18.7	Stainless Steel	4-3/16" W x 7-5/16" H x 1-9/16" D
L39-918	V5013N1089	Red Brass	1-1/2"	29	Stainless Steel	4-3/4" W x 7-13/16" H x 1-13/16" D
L39-919	V5013N1097	Red Brass	2"	46.8	Stainless Steel	5-1/4" W x 7-13/16" H x 1-13/16" D

Honeywell

Two-Way Cartridge Globe Valves



- Control hot and/or chilled water for VAV terminal units, fan coil units, small reheaters and recoolers in electric/electronic temperature control systems
- Valve inserts are changeable without draining valve
- Brass body and stainless steel stem

Specifications:
- Temperature range: 36°F to 230°F
- Maximum operating pressure: 230 PSIG

Order #	Mfg. #	Cv	Conn. Size	Dimensions
L39-984	V5852A2023	0.47	1/2" Sweat	3/4" W x 2-89/96" H x 3" D
L39-985	V5852A2049	1.2	1/2" Sweat	3/4" W x 2-89/96" H x 3" D
L39-986	V5852A2056	1.9	1/2" Sweat	3/4" W x 2-89/96" H x 3" D
L39-987	V5852A2072	4.9	3/4" Sweat	1" W x 2-15/32" H x 3-3/4" D
L39-990	V5862A2021	0.47	1/2" NPT	3/4" W x 2-89/96" H x 3" D
L39-991	V5862A2047	1.2	1/2" NPT	3/4" W x 2-89/96" H x 3" D
L39-992	V5862A2054	1.9	1/2" NPT	3/4" W x 2-89/96" H x 3" D
L39-993	V5862A2070	4.9	3/4" NPT	1" W x 2-15/32" H x 3-3/4" D

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Three-way Flanged Globe Valve

Honeywell

- Provides proportional or two-position control of hot or chilled water in closed loop heating or cooling systems
- Not suitable for combustible gases
- Constant total flow though full plug travel



Order #	Mfg. #	Cv	Conn. Size	Spring Range	Each
L81-444	V5013B1003	63	2.5" Flanged	150 PSI	**10500.00**

Three-Way High Pressure Water Valves

Honeywell

- Provides proportional control of hot and/or cold water in unit air conditioners and fan coil systems
- Direct acting, rolling diaphragm actuator with integral high temperature plastic air connector
- Spring loaded, self-adjusting Buna-N V-ring packing replaceable
- Brass seats (lower is integral, upper is removable) and contoured plug provide metal-to-metal seating; stainless steel stem

Specifications:

- Temperature range: 35°F to 250°F
- Maximum pressure: 250 PSI
- Maximum supply air: 30 PSI
- Dimensions: 4-7/8" H x 3-1/8" W



Order #	Mfg. #	Description	Cv	Conn. Size	Spring Range	Each
L38-546	VP526A1027	N.O., 3-Way Mixing	1.6	5/8" SAE Flare	2 to 5 PSI	**735.00**
L40-127	VP526A1076	N.O., 3-Way Mixing	1.6	1/2" SAE Flare	3 to 10 PSI	**739.00**
L38-547	VP526A1092	N.O., 3-Way Mixing	1.6	1/2" SAE Flare	2 to 5 PSI	**839.00**

Radiator Valves

Honeywell

- Single-seated valves to provide proportional control of two-pipe hot water systems
- Can be repacked without shutting down system
- Rotating actuator for aligning air connection with control air piping

Specifications:

- Maximum temperature: 180°F
- Maximum pressure: 150 PSI
- Maximum supply air: 30 PSI
- Dimensions: 4-7/8" H x 3-3/4" W



Order #	Mfg. #	Description	Cv	Conn. Size	Spring Range	Each
L38-545	VP525C1016	Straight, Male Union	2	1/2" NPT	3 to 10 PSI	**635.00**
L38-544	VP525C1024	Straight, Male Union	3	3/4" NPT	3 to 10 PSI	**815.00**
L40-126	VP525C1057	Angle, Male Union	3	3/4" NPT	3 to 10 PSI	**839.00**

Terminal Unit Water Valves

Honeywell

- Single seated valves to provide proportional control of steam or hot/cold water in unit air conditioners
- Normally open, straight-through design

Specifications:

- Maximum temperature: 180°F
- Maximum body pressure: 250 PSI
- Maximum supply air: 30 PSI
- Dimensions: 3-1/2" from pipe centerline to top of actuator; 2-9/32" L on **L38-548** and 2-13/32" L on **L38-550**



Order #	Mfg. #	Cv	Conn. Size	Spring Range	Each
L38-548	VP531C1000	1.6	1/2" FNPT	2 to 5 PSI	**635.00**
L38-550	VP531C1026	3.3	3/4" FNPT	2 to 5 PSI	**819.00**

Pneumatic Water Valve

Honeywell

- Normally open, single seated, high pressure valve provides proportional control of hot and/or cold water in unit air conditioners and fan coil units
- Small size permits installation where space is limited
- Forged brass, straight-through body with end connections threaded for 45 degrees SAE flare fitting nuts
- Spring-loaded, self-adjusting, Buna-N "V" ring packing is replaceable without shutting system down



Order #	Mfg. #	Cv	Conn. Size	Spring Range	Each
L47-294	VP527A1034	1.6	1/2"	3 to 10 PSI	**689.00**

Honeywell

Valve Accessories

Order #	Mfg. #	Description	Each
L39-926	14001046-004	Fastener, Cover for VP525, VP526 and VP531 Valves	**21.49**
L39-838	14003115-001	Valve Rebuild Kit for VP525 1/2", 2 Cv Valves	**699.00**
L39-839	14003117-001	Valve Rebuild Kit for VP525 3/4", 3 Cv Valves	**879.00**
L39-840	14003297-001	Valve Repack Kit for VP526A, VP527 & VP531A Valves w/3/16" Stem	**219.00**
L39-999	14004932-001	Valve Adaptor for Connecting VP Series Valves to a M6410/M7410 Electric Actuator	**225.00**

Honeywell



Room Temperature Sensor

- One or two-pipe, direct acting
- Plug-in air connections
- High efficiency air filter
- Bimetal element
- Cover not included — uses popular TP970 covers
- Horizontal or vertical mount with plug-in backplate
- Continuous temperature indication available by using receiver gauge

Specifications:

- Sensing range: 50°F to 100°F
- Maximum supply air: 25 PSI
- Air consumption: 0.019 SCFM with 0.007" restrictor
- Throttling range: 3.5°F fixed
- Dimensions: 3" H x 1-7/8" W x 1-1/2" D

Order #	Mfg. #	Each
L38-541	TP974A2000	**839.00**

Honeywell



A



B

Temperature Sensors

- One-pipe, direct acting temperature sensor used with RP908 or RP920 controllers
- Proportionally controls pneumatic valve or damper actuators
- Corrosion resistant
- Rod and tube insertion element or liquid filled averaging element
- Continuous temperature indication available by using receiver gauge

Specifications:

- Maximum supply air: 25 PSI
- Output pressure: 3 to 15 PSI
- Air consumption: 0.019 SCFM
- Dimensions: 2-1/2" W x 4-7/8" H x 2" D; 1-7/8" W x 3" H x 1-1/2" D for **L38-509**

Fig.	Order #	Mfg. #	Mounting	Temp. Range	Element Length	Each
A	**L86-299**	LP914A1003	Duct	-40°F to +160°F	15" Rod & Tube	**929.00**
A	**L86-300**	LP914A1011	Wall	-40°F to +160°F	27" Rod & Tube	**4099.00**
A	**L38-506**	LP914A1045	Duct	-40°F to +160°F	7" Rod & Tube	**779.00**
A	**L38-505**	LP914A1052	Well	40°F to 240°F	7" Rod & Tube	**1299.00**
A	**L38-508**	LP914A1060	Well	-40°F to +160°F	7" Rod & Tube	**835.00**
A	**L38-507**	LP914A1144	Duct	25°F to 125°F	15" Rod & Tube	**1099.00**
B	**L38-509**	LP915A1044	Duct	0°F to 200°F	18'6" Liquid Filled Averaging	**1399.00**

Honeywell



Remote Bulb Temperature Sensor

- Two-pipe, single temperature, remote bulb temperature sensor
- Provide proportional control of pneumatic valves or damper actuators
- Pilot operated for high capacity
- Replaceable filter cartridge
- Liquid filled remote bulb element

Specifications:

- Temperature range: 30°F to 150°F
- Throttling range: 5°F to 25°F, preset at 10°F
- Maximum supply air: 30 PSI
- Air consumption: 0.011 SCFM
- Dimensions: 3-1/8" W x 5-9/16" H x 2-11/16" D

Order #	Mfg. #	Control Action	Element Length	Each
L38-512	LP920A1005	Direct Acting	8' Averaging for Duct Mounting	**1845.00**

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Pneumatic Controllers

Honeywell

- Proportional, high capacity, single or dual input controller
- Used with remote sensors with output of 3 to 15 PSI to provide control of temperature, humidity, pressure or dewpoint for heating
- Field reversible action and adjustable compensation start point
- Integral action cut off provides trouble-free automatic startup
- **L40-043** has remote control point adjustment

Specifications:

- Maximum supply air: 30 PSI @ 0.07 SCFM air capacity
- Output signal: 3 to 13 PSI
- Adjustable proportional band: 2.5% to 50% of primary sensor span
- Integral reset time: 0.5 to 20 minutes, adjustable
- Authority for **L38-527**: 5% to 300% of span
- Compensation start point for **L38-527**: 0 to 100% of span
- Air capacity: 0.07 SCFM



A



B

Fig.	Order #	Mfg. #	Type	Air Consumption	Dimensions	Each
A	**L40-043**	RP920A1025	Single Sensor	0.021 SCFM	3-13/16" W x 5-7/8" H x 3- 1/4" D without Cover x 3- 3/8" D with Cover	**1499.00**
A	**L38-526**	RP920A1033	Single Sensor	0.021 SCFM	3-13/16" W x 5-7/8" H x 3-1/4" D without Cover x 3-3/8" D with Cover	**1299.00**
B	**L38-527**	RP920B1031	Dual Sensor	0.046 SCFM	3-13/16" W x 5-7/8" H x 3-1/4" D	**1599.00**

Velocitrol® Velocity Sensor/Controllers

Honeywell

- Ultra-sensitive air velocity sensor and pneumatic controller control pneumatic damper actuators in HVAC systems to provide constant air velocity in the duct regardless of the static pressure
- Not position sensitive
- Insensitive to static pressure changes
- Graduated scales for minimum and maximum velocity adjustments
- Velocity reset by thermostat demand
- Adaptable to many terminal unit control strategies
- Dual Duct Variable Constant Volume application

Specifications:

- Airflow: Usage: 0.029 SCFM
- Humidity ratings: 5 to 95% RH (operating)
- Pressure ratings: 18 to 20 PSI (operating); 30 PSI (maximum)
- Operating temperature range: 40°F to 130°F
- Sensor sensitivity: Less than 5 ft/min. maximum (no orifice)
- Dimensions: Sensor is 1-3/4" W x 3-3/16" H x 4-3/16" long with orifice, 3-3/8" long without orifice; Controller is 3-1/4" W x 1-3/4" H x 2-3/8" D
- Velocity range FPM 500; reset pressure 9 to 15 PSI



Order #	Mfg. #	Description	For Use With	Each
L39-850	CP980E1060	Direct, Sequencing, Sensor C Type	Normally Open Damper and Two-Pipe Thermostat	**1999.00**
L39-851	CP980F1068	Reverse, Sequencing, Sensor C Type	Normally Closed Damper and Two-Pipe Thermostat	**1599.00**

Selector Relay

Honeywell

- Three-port relays transmit the higher of two input signals, lock out one pressure signal when a second signal is higher, or transmit the lower of two pressure signals
- Molded plastic construction includes mounting clip

Specifications:

- Operating range: 0 to 18 PSI
- Maximum supply air: 30 PSI
- Air capacity: 0.039 SCFM @ 1 PSI differential
- Dimensions: 1/2" diameter x 1" L



Order #	Mfg. #	Description	Each
L38-523	RP470B1001	Lockout/Lower Pressure Selecting	**189.00**

Snap-Acting Relay

Honeywell

- Four-port relay converts a proportional pressure change to a positive two-position pressure change
- Molded plastic construction which includes mounting clip

Specifications:

- Operating range: 0 to 18 PSI
- Setpoint: 3 to 15 PSI, adjustable
- Differential: 1 PSI maximum, fixed
- Maximum supply air: 30 PSI
- Air capacity: 0.039 SCFM @ 1 PSI differential
- Dimensions: 1-1/2" D x 2 -3/4" L



Order #	Mfg. #	Each
L38-522	RP471A1002	**495.00**

Honeywell

Capacity Relay



- Provides increased capacity of the branch line pressure to the final control device
- Molded plastic with neoprene diaphragms and sharp-barb connections
- Includes 1-1/2" mounting clip for mounting to wall or panel

Specifications:
- Operating range: 0 to 18 PSI
- Maximum supply air: 30 PSI
- Air capacity: 0.039 SCFM @ 1 PSI differential
- Dimensions: 1-1/2" diameter x 1-1/2" L

Order #	Mfg. #	Each
L40-044	RP970A1008	**349.00**

Honeywell

Switching Relays



- Blocks, diverts or bleeds pneumatic air lines when pilot pressure is changed from one specific value to another
- For Day-Night, Summer-Winter, Start-Stop, On-Off-Auto and other multiple condition systems where control sequence is changed as conditions change
- Molded plastic construction with neoprene diaphragms, stainless steel lever and music wire spring
- Metal spring clip included for in-line, wall or panel mounting

Specifications:
- Main operating range: 0 to 22 PSI
- Maximum supply air: 30 PSI
- Air capacity: 0.039 SCFM @ 1 PSI differential
- Dimensions: 1-1/2" D x 2-1/4" L

Order #	Mfg. #	Switch Action	Switching Pressure	Each
L38-524	RP670A1001	SPDT	3 PSI and 7 PSI	**379.00**
L40-035	RP670A1019	SPDT	13 PSI and 17 PSI	**309.00**
L40-036	RP670B1009	DPDT	3 PSI and 7 PSI	**679.00**
L40-037	RP670B1017	DPDT	13 PSI and 17 PSI	**569.00**

Honeywell

Ratio Relay



- Controls pneumatic valves or damper actuators in sequence from a single thermostat
- Produces a modulating pressure output, proportional in a fixed ratio to pilot input changes
- Molded plastic construction with neoprene diaphragms and stainless steel valve seats
- 100 mesh stainless steel screens in main and branch ports
- Mounting clip provided

Specifications:
- Pilot start point: 0 to 10 PSI, adjustable
- Output: 3 to 13 PSI range over 3 PSI pilot input span
- Main operating: 18 PSI
- Pilot operating: 3 to 15 PSI
- Air capacity: 0.039 SCFM @ 1 PSI differential
- Dimensions: 2" diameter x 2-5/8" L

Order #	Mfg. #	Each
L38-531	RP971A1007	**515.00**

Honeywell

Electric/Pneumatic Relay



- Electrically operated pneumatic switch interlocks an electrical system and a pneumatic control system
- Usable as a diverting relay, a selector relay or a stop and bleed relay
- Mounts and operates in any position
- Available with lead wires or junction box
- Surface mounted model is UL listed and panel mounted model is UL recognized component and CSA recognized

Specifications:
- Maximum supply air: 50 PSI
- Air capacity: 0.42 SCFM
- Capacity index: 0.075 Cv
- Power consumption: 12.5VA inrush, 7.1VA holding

Order #	Mfg. #	Type	Volts	Dimensions	Each
L38-518	RP418A1107	Surface Mounted	120V @ 60 Hz	3-3/16" W x 2-7/8" H x 1-1/4" D	**229.00**

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Pneumatic/Electric Switches

Honeywell

- Converts pneumatic to electrical SPDT switching action
- Neoprene diaphragm element
- Barb protected by open cage
- All ferrous parts plated to prevent corrosion

Specifications:
- Differential: 2 PSI
- Maximum supply air: 30 PSI
- Electrical ratings: 1 HP @ 125VAC, 25A resistive @ 125VAC, 750VA pilot duty


A

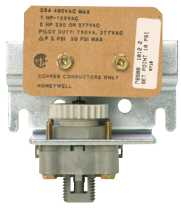
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Fig.	Order #	Mfg. #	Temp. Range	Dimensions	Switching Pressure	Mounting	Each
A	**L38-520**	P658A1013	-20°F to +140°F	3-3/8" W x 5-3/8" H x 2" D	10 PSI	Surface	**429.00**
B	**L39-881**	P658B1012	-20°F to +160°F	3-1/4" W x 3-7/16" H x 1-3/4" D	10 PSI	Panel	**305.00**

Diverting Switches

Honeywell

- Manually diverts, blocks or bleeds air in pneumatic air lines
- Mounts on a panel up to 7/16" thick
- Includes mounting nuts, knobs and scaleplate

Specifications:
- Operating range: 0 to 18 PSI
- Maximum supply air: 30 PSI
- Air capacity: 0.175 SCFM
- Dimensions: 1-9/16" W x 1-5/8" H x 3" D



Order #	Mfg. #	Description	Each
L38-532	SP470A1000	Two-Position Switch	**445.00**
L39-895	SP470A1018	Three-Position Switch	**419.00**

Position Switch

Honeywell

- Three-port pneumatic manual or minimum switch with pilot bleed
- Two breakaway stops on the knob allow 188°, 244° or 300° rotation
- Wall or panel mounting
- Complete with knob, scaleplate, locknuts and mounting bracket

Specifications:
- Main operating pressure: 18 PSI
- Setpoint span: 10, 13, or 16 PSI
- Branch and pilot range: 3 to 15 PSI
- Maximum supply air: 25 PSI
- Air capacity: 0.021 SCFM below minimum position
- Air consumption: 0.022 SCFM
- Dimensions: 1-1/2" D x 3" L



Order #	Mfg. #	Each
L38-533	SP970A1005	**379.00**

Electronic-Pneumatic Transducers

Honeywell

- Converts a proportional electric output signal from a controller into a direct-acting (DA), proportional pneumatic signal
- Requires an external 24V power supply
- Factory calibrated
- Dual barb fittings
- Screw mounting or snap rail

Specifications:
- Power consumption: 1.7VA
- Nominal high end pressure: 16 PSI with 18 PSI minimum pressure at 12VDC or 16 PSI at 11VDC
- Nominal low end pressure: 0.5 PSI at 0VDC
- Maximum supply air: 30 PSI
- Air capacity: 0.45 SCFM
- Air consumption: 0.025 SCFM
- Dimensions: 2-7/16" W x 3-5/8" H x 2" D



A


B



C


D

Fig.	Order #	Mfg. #	Electrical Conn.	Input Signal	Includes	Each
A	**L40-038**	RP7517A1009	30" Lead Wire	2 to 10VDC @ 0.1 mA Max	No Cover	**1945.00**
B	**L40-039**	RP7517A1017	Screw Terminals (for 14 to 22 ga. wire)	2 to 10VDC @ 0.1 mA Max	With Cover	**1199.00**
C	**L38-525**	RP7517B1016	30" Lead Wire	2 to 10VDC	No Cover	**1499.00**
D	**L40-040**	RP7517B1024	Screw Terminals (for 14 to 22 ga. wire)	2 to 10VDC	With Cover	**1299.00**

Honeywell

Load Analyzer



- Seven-input manifold containing logic diaphragm, air filter and restrictions
- Large integral filter assures clean air to the manifold
- Requires no field adjustment
- Minimum maintenance due to plastic construction
- Two analyzers can be connected to increase inputs to twelve
- In-line or panel mounting

Specifications:
- Operating range: 0 to 18 PSI
- Maximum supply air: 25 PSI
- Air capacity: 0.039 SCFM @ 1 PSI differential
- Air consumption: 0.025 SCFM
- Dimensions: 6-1/2" W x 3/4" H x 2-1/16" D

Order #	Mfg. #	Each
L38-529	RP913A1008	**865.00**

Honeywell

Pneumatic Calibration Kit



- Pressure bulb with tubing and fitting
- Two 0-30 PSI gauges
- Thermostat positive position adjustment key
- Gauge adapter
- Thermostat calibration screwdriver/wrench
- Slide rule for sensor settings

Order #	Mfg. #	Each
L39-879	MQP800	**1099.00**

Honeywell

Pneumatic Fittings Kit



- Includes an assortment of fittings most often required for replacement or repair of pneumatic devices

Order #	Mfg. #	Each
L39-875	MJK100	**2745.00**

Schneider Electric

Barber-Colman Room Thermostats



- Pneumatic room thermostats designed for proportional control of pneumatic valves and damper actuators
- Easy to install with adjustable throttling range shown on bimetal for ease of adjustment
- **L38-487** for use in unit ventilator applications sensing return air

Specifications:
- Setpoint range: 55°F to 85°F
- Maximum supply air: 30 PSI
- Throttling range: 2°F to 12°F adjustable; preset to 3°F
- Dimensions: 2-1/32" W x 2-1/32" H x 1-3/8" D

Order #	Mfg. #	Model #	Type	Control Action	Includes	Air Consumption	Each
L38-472	2211-012	T12-301	One-Pipe	Direct Acting	Mounting Hardware	0.017 SCFM @ 20 PSI	**489.00**
L38-473	2211-013	T13-301	One-Pipe	Reverse Acting	Mounting Hardware	0.017 SCFM @ 20 PSI	**489.00**
L38-474	2212-118	T18-301	Two-Pipe	Direct Acting	Mounting Hardware	0.009 SCFM @ 20 PSI	**555.00**
L38-475	2212-119	T19-301	Two-Pipe	Reverse Acting	Mounting Hardware	0.009 SCFM @ 20 PSI	**555.00**
L38-480	2214-121	T23-301	Day-Night	Day — DA 16 PSI; Night — DA 25 PSI	Mounting Hardware	0.017/0.025 SCFM @ 16/25 PSI	**1099.00**
L38-481	2218-132	T32-301	Summer-Winter	Summer — RA 16 PSI; Winter — DA 25 PSI	Mounting Hardware	0.018/0.025 SCFM @ 16/25 PSI	**975.00**
L38-487	2298-060	T460-301	Unit Ventilator	RA 16 PSI; DA 25 PSI	Cover and Mounting Hardware	0.017 SCFM @ 16 PSI	**1099.00**

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Barber-Colman Thermostat Accessories


A



B


C


D


E


F


G


H

Fig.	Order #	Mfg. #	Model #	Description	Each
A	**L38-437**	21-928	C2-42	Blank Cover	**135.00**
B	**L38-438**	21-933	C3-42	Full Dial Cover	**135.00**
C	**L38-440**	22-022	N5-95	Thermostat Conversion Kit	**115.00**
D	**L38-434**	20-693	10-11	Tygothane Tubing Assembly	**49.99**
E	**L38-441**	22-138	MCS-GA	Thermostat Calibration Gauge Adapter	**99.00**
F	**L38-435**	21-038	N100-0010	Restrictor Tee — 1.0 SCFH	**48.49**
G	**L38-436**	21-153	N100-2501	In-Line Restrictor	**44.99**
H	**L38-467**	900-002	—	Pneumatic Thermostat Calibration Kit	**1045.00**

Barber-Colman Room Thermostats

- Pneumatic room thermostats designed for the proportional temperature control of dampers and valves
- Attractive appearance with vertical mount
- Cover inserts to convert to exposed setpoint only or blank cover

Specifications:
- Setpoint range: 55°F to 85°F
- Maximum supply air: 30 PSI
- Air consumption: 0.008 SCFM
- Air capacity: 16 SCIM
- Dimensions: 2-3/4" W x 4-3/8" H x 1-5/8" D



Order #	Mfg. #	Type	Control Action	Includes	Each
L38-450	TK-1001	Two-Pipe	Direct Acting	Thermostat & Cover Only	**725.00**
L38-451	TK-1101	Two-Pipe	Reverse Acting	Thermostat & Cover Only	**725.00**

Valve Bodies

- Quiet operation and precision control under light or full load conditions
- Actuators available to handle a full range of pneumatic, electric, electronic, electro-hydraulic and DDC applications
- Normally open, normally closed or three-way mixing
- Compact body design for ease of installation
- Improved flow path efficiency
- 281°F maximum water temperature; ANSI Class 250 pressure rated
- 1/2" stroke makes actuator and linkage choices easier


A


B


C

Fig.	Order #	Mfg. #	Cv	Valve Type	Conn. Size	Each
A	**L38-452**	VB-7211-0-4-03	2.2	N.O.	1/2", Union	**455.00**
A	**L38-453**	VB-7211-0-4-04	5.0	N.O.	1/2", Union	**455.00**
A	**L38-454**	VB-7211-0-4-06	7.5	N.O.	3/4", Union	**529.00**
B	**L38-455**	VB-7213-0-4-02	1.3	N.O.	1/2", Female Threaded	**299.00**
B	**L38-456**	VB-7213-0-4-04	4.4	N.O.	1/2", Female Threaded	**299.00**
B	**L38-457**	VB-7213-0-4-06	7.5	N.O.	3/4", Female Threaded	**429.00**
B	**L38-458**	VB-7213-0-4-08	14.0	N.O.	1", Female Threaded	**559.00**
B	**L38-459**	VB-7223-0-4-04	4.4	N.C.	1/2", Female Threaded	**349.00**
B	**L38-460**	VB-7223-0-4-06	7.5	N.C.	3/4", Female Threaded	**509.00**
B	**L38-461**	VB-7223-0-4-08	14.0	N.C.	1", Female Threaded	**689.00**
C	**L38-462**	VB-7313-0-4-02	2.2	3-Way	1/2", Female Threaded	**389.00**
C	**L38-463**	VB-7313-0-4-04	4.4	3-Way	1/2", Female Threaded	**389.00**
C	**L38-464**	VB-7313-0-4-06	7.5	3-Way	3/4", Female Threaded	**559.00**
C	**L38-465**	VB-7313-0-4-08	14.0	3-Way	1", Female Threaded	**875.00**
C	**L38-466**	VB-7313-0-4-09	20.0	3-Way	1-1/4", Female Threaded	**1199.00**

Pneumatic Valve Actuators

- Rugged die cast aluminum construction
- Rolling diaphragm
- Multiple spring ranges achieved when used with listed linkage kit

Specifications:
- Maximum supply air: 30 PSI
- Air connections: 1/8" FNPT


A


B


C

Fig.	Order #	Mfg. #	Spring Range	For Use With	Effective Area	Uses Linkage Kit	Each
A	**L38-445**	MK-2690	3 to 7, 5 to 10 & 8 to 13 PSI	1/2" to 1-1/4" VB-7000 & VB-9000 Series	6 Sq. In.	AV-400	**245.00**
B	**L38-446**	MK-4601	3 to 6 PSI	1/2" to 2" VB-7000 Series; 1/2" to 1-1/4" VB-9000 Series	11 Sq. In.	AV-401	**539.00**
B	**L38-447**	MK-4611	5 to 10 PSI	1/2" to 2" VB-7000 Series; 1/2" to 1-1/4" VB-9000 Series	11 Sq. In.	AV-401	**539.00**
B	**L38-448**	MK-4621	10 to 13 PSI	1/2" to 2" VB-7000 Series; 1/2" to 1-1/4" VB-9000 Series	11 Sq. In.	AV-401	**539.00**
C	**L86-298**	MK-6821	8 to 13 PSI	1-1/2" to 2" VB-9000 Series	50 Sq. In.	AV-430	**1299.00**

Pneumatic Valve Linkages

- Connects MK actuators and VB valve bodies


A


B


C

Fig.	Order #	Mfg. #	For Use With	Each
A	**L38-442**	AV-400	1/2" to 1-1/4" VB-7000 & VB-9000 Series , MK-2690	**75.00**
B	**L38-443**	AV-401	1/2" to 2" VB-7000 & 1/2" to 1-1/2" VB-9000 Series , MK-46XX Series	**75.00**
C	**L38-444**	AV-430	1-1/2" to 2" VB-7000 & VB-9000 Series , MK-6XXX Series	**299.00**

Barber-Colman PNEUMODULAR® Receiver Controllers

- Use with remote transmitters to provide proportional control
- Use with pneumatic devices having an output of 3 to 15 PSI
- Dual input with remote setpoint adjustment; gauges not included
- Field convertible for use as a low limit controller

Specifications:
- Maximum supply pressure: 30 PSI
- Throttling range adjustment: 2% to 40%
- Authority adjustment range: 10% to 300%
- Air capacity: 8.0 SCFH
- Dimensions: 5-25/32" W x 1-63/64" H x 2-1/4" D


A

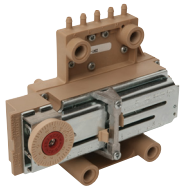
B

Fig.	Order #	Mfg. #	Model #	Description	Type	Air Consumption	Each
A	**L38-488**	2341-501	P541	Direct Acting	Dual Input	1.25 SCFH	**1499.00**
A	**L38-489**	2341-502	P541-RA	Reverse Acting	Dual Input	1.25 SCFH	**1899.00**
B	**L38-490**	2341-521	P541-DA-B	Direct Acting	Dual Input Kit w/ Mounting Base	1.25 SCFH	**2045.00**
B	**L38-491**	2341-522	P541-RA-B	Reverse Acting	Dual Input Kit w/ Mounting Base	1.25 SCFH	**2699.00**

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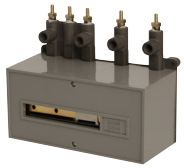
Barber-Colman Receiver Controller

- Replacement kit used in conjunction with remote proportional transmitters for control of pneumatic actuated dampers and valves
- Field reversible, provides gauge mounting and includes barbed fittings for use with plastic tubing

Specifications:
- Throttling range adjustment: 2.5% to 40%
- Authority range: 10% to 200%
- Remote setpoint adjustment range: ±10%
- Dimensions: 7" W x 5-23/32" H x 4" D
- 16 SCIM plus 36 SCIM for each transmitter and remote setpoint



Order #	Mfg. #	Type	Air Consumption	Each
L38-449	RKSR-4000	Single or Dual Sensor	0.008 SCFM	**2899.00**

Barber-Colman Temperature Transmitters

- Measure air or fluid temperatures in pneumatic control systems and transmit a direct acting, proportional, fixed span signal to controlling and indicating devices
- One-pipe devices requiring an externally restricted source of constant pressure control air
- Designed with pneumatic feedback to assure accuracy and stability over their temperature span
- Field-accessible "zero" adjustment
- Liquid-filled sensing elements available as 20' averaging element for air ducts or rigid elements for immersion or air duct insertion

Specifications:
- Maximum supply air pressure: 30 PSI
- Output pressure: 3 to 15 PSI
- Dimensions: 3-1/16" W x 2-5/8" H x 1-3/4" D



A



B

Fig.	Order #	Mfg. #	Model #	Mounting	Temp. Range	Element Length	Each
A	**L38-482**	2252-250	T150-1021	Duct or Immersion	0°F to 100°F	Rigid — 1/4" x 9-3/8"	**1699.00**
B	**L38-483**	2252-251	T150-1022	Duct	0°F to 100°F	Averaging — 20' Long	**1945.00**
A	**L38-484**	2252-610	T150-1031	Duct or Immersion	40°F to 240°F	Rigid — 1/4" x 7-1/16"	**1599.00**

Barber-Colman Receiver Gauge

- Used to provide indication of temperature, pressure, enthalpy or humidity when used in conjunction with a transmitter-receiver system
- Plastic case and 1/8"-27 MNPT center back air connection
- 3 to 5 PSI input range with adjustable pointer
- 0°F to 100°F printed dial on gauge with application specific temperature, pressure or humidity dial overlays available at participating Johnstone Supply stores



Order #	Mfg. #	Model #	Description	Each
L38-500	2422-003	A253-12	2" Receiver Gauge	**389.00**

Barber-Colman PNEUMODULAR® Multi-Input Selector Relay

- Multi-input high and low selector relay
- Compares, selects and transmits the highest and/or lowest of up to six pneumatic input signals
- All inputs are "dead ended"; no signal air passes through the relay to the output ports

Specifications:
- Air capacity: 0.5 SCFH through high port; 1.0 SCFH through low port
- Air consumption: 1.5 SCFH (43.2 SCIM)
- Maximum supply air: 30 PSI
- Dimensions: 4" W x 2" H x 1-17/64" D



Order #	Mfg. #	Model #	Description	Each
L38-498	2373-501	R533	Multi-Input High & Low Selector Relay	**1545.00**

Barber-Colman Selector Relays

- Compares, selects and transmits the highest and/or lowest of up to two pneumatic input signals
- Small and lightweight
- **L38-497** can be used with restricted signals down to 0.5 SCFH
- **L38-496** can be used as volume booster relay when larger quantity of air is required to move multiple actuators

Specifications:
- Power consumption: 1.7Va
- Maximum supply air: 30 PSI
- Air consumption: 0.017 SCFM at main port when used as volume booster



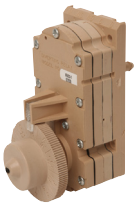
A



B

Fig.	Order #	Mfg. #	Model #	Description	Dimensions	Each
A	**L38-496**	2372-351	R432-11	Selects Lowest of Two Signals/Volume Booster	1-3/16" Diam. x 1-3/16" L	**369.00**
B	**L38-497**	2372-352	R432-2	Selects Highest of Two Signals	1-1/8" Diam. x 1" L	**329.00**

Barber-Colman PNEUMODULAR® Diverting Relays



A



B

- Converts a proportional pneumatic signal into a positive pneumatic switching action
- Feeds or exhausts branch lines, diverts supply line to either one or two branch lines or diverts one of two supply lines to one branch line
- Positive SPDT snap action pneumatic switching
- Adjustable setpoint

Specifications:
- Maximum supply air: 30 PSI
- Air capacity: 60 SCFH
- Air consumption: 1 SCFH
- Dimensions: 2" W x 4-1/8" H x 2-15/16" D for **L38-493**; 2" W x 4-1/8" H x 3-1/8" D for **L38-492**

Fig.	Order #	Mfg. #	Model #	Type	Set Point Range	Diff.	Each
A	**L38-492**	2353-501	R503-1	Adjustable Setpoint, Requires Main Air Connection	3 to 20 PSI	0.2 to 0.6 PSI	**985.00**
B	**L38-493**	2354-501	R504-1	Adjustable Setpoint, No Main Connection Required	4 to 8 PSI	4 PSI Fixed	**655.00**

Barber-Colman PNEUMODULAR® Reversing Relay



- Reverses the action of a control signal
- Field mounted or mounted to a Pneumodular® socket
- Proportional output with adjustable offset

Specifications:
- Maximum supply air: 30 PSI
- Air consumption: 0.017 SCFM
- Airflow capacity: 230 SCIM
- Crossover point: preset at 8 PSI; adjustable from 2 to 15 PSI
- Connections: 1/4" O.D.; 5/32" I.D. poly tubing
- Dimensions: 1-7/8" W x 2-1/16" H x 2-9/64" D

Order #	Mfg. #	Model #	Description	Each
L38-494	2360-501	R516	Reversing Relay	**545.00**

Barber-Colman Pneumatic to Electric Switching Relay

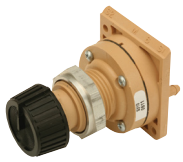


- Converts gradual pressure change into positive electric switching action
- SPDT switch action
- 3 to 25 PSI setpoint range with 2 PSI fixed differential
- May be wall or panel mounted

Specifications:
- Maximum supply air: 30 PSI
- Switch rating: 21A non-inductive @ 120/240/480VAC; 1 HP @ 120VAC; 2 HP @ 240VAC
- Dimensions: 2-1/2" W x 3-11/16" H x 2-7/16" D

Order #	Mfg. #	Model #	Description	Each
L38-495	2364-211	R471-1	Pneumatic to Electric Switching Relay	**579.00**

Barber-Colman PNEUMODULAR® Gradual Switch



- Manually sets output pressure from 0 to 20 PSI
- May be flush mounted to a panel face, on a Pneumodular® socket, or on a bracket for surface mounting

Specifications:
- Maximum supply air: 30 PSI
- Air consumption: 1 SCFH
- Air capacity: 8 SCFH
- Connections: 1/4" O.D.; 5/32" I.D. poly tubing
- Dimensions: 1-7/8" W x 2-1/16" H x 3-1/2" D

Order #	Mfg. #	Model #	Description	Each
L38-499	2390-501	S510	Gradual Switch 0 to 20 PSI Output	**1145.00**

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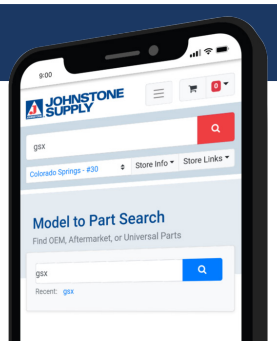

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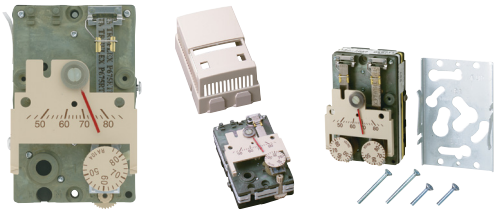
Retroline™ Pneumatic Room Thermostats

SIEMENS Ingenuity for life

- Designed to control pneumatic damper actuators and valves
- **L37-952** automatically changes over from heat/cool and day/night mode where two setpoints are required

Specifications:
- Factory calibration: 7.5 PSI 72°F
- Sensitivity: 2.5 PSI/1°F
- Scale range: 45°F to 85°F
- Operating temperature: -40°F to +140°F
- Air consumption: 20 SCIM



A B C

Fig.	Order #	Mfg. #	Description	Control Action	Thermostat	Each
A	**L37-948**	192-202	Chassis Only	Direct Acting	Single Setpoint/Heating or Cooling	**309.00**
A	**L37-949**	192-203	Chassis Only	Reverse Acting	Single Setpoint/Heating or Cooling	**309.00**
B	**L37-950**	192-840	Chassis, Cover, Hardware	Direct Acting	Single Setpoint/Retroline Retrostat Kit	**345.00**
B	**L37-951**	192-841	Chassis, Cover, Hardware	Reverse Acting	Single Setpoint/Retroline Retrostat Kit	**349.00**
C	**L37-952**	192-208	Chassis Only	Heating Direct/Cooling Reverse	Dual Setpoint/Heating/Cooling	**499.00**

Accessories for Siemens Thermostats

SIEMENS Ingenuity for life



Order #	Mfg. #	Description	Each
L37-961	192-256	Single Setpoint Thermostat Cover, Concealed	**37.49**
L37-962	192-262	Day/Night Thermostat Cover, Concealed	**37.49**
L37-963	192-868	Retrostat Thermostat Cover	**99.00**
L37-964	832-178	Pneumatic Calibration Tools	**125.00**
L37-965	192-633	Test Probe and Gauge for Calibration	**125.00**

TH356 Limitem™ Thermostat

SIEMENS Ingenuity for life

- Used for a wide variety of applications in unit ventilators and air handler systems
- Other applications are for low limit control of air flow to a controlled space
- TH356 Limitem™ is a rigid bulb-sensing thermostat that is available in direct action or reverse action
- 1/8"–27 NPT female thread air connection for supply and control ports
- Adjustable sensitivity, degrees Fahrenheit/PSI: 0.25 to 2 PSI
- Temperature response: 0.5°F



Order #	Mfg. #	Description	Style	Temp. Range	Max. Pressure	Each
L37-969	356-0750	TH356 DA	Rigid 18"	30°F to 180°F	18 or 25	**775.00**

TH832 "D" Room Thermostat

SIEMENS Ingenuity for life

- Direct-acting pneumatic thermostat
- Unique, two-valve design eliminates a constant waste of air
- Thermostat includes chassis and base assembly
- Metal cover included and incorporates a calibrated thermometer and vandal-proof fasteners
- Concealed setpoint adjustment

Specifications:
- Operating range: 60°F to 85°F
- Control action: Direct acting
- Maximum supply air pressure: 30 PSI
- Temperature response: 0.5°F
- Sensitivity, fixed: 2.5 PSI/1°F



Order #	Mfg. #	Description	Each
L37-966	832-0120	TH832 "D" Thermostat — Concealed Adjustment	**925.00**
L37-968	856-055	"D" Thermostat Adjustment Tool	**10.49**

SIEMENS
Ingenuity for life

AP 331 Pneumatic Damper Actuators



- AP 331 pneumatic damper actuators are terminal devices designed to position air dampers for HVAC systems and fire/smoke dampers
- Typical applications are unit ventilators, unit conditioners, outside air dampers or built up sectional dampers
- Air connection is 1/8" NPT female with barb connector for 1/4" O.D. poly tubing supplied

Order #	Mfg. #	Description	Spring Range	Max. Pressure	Effective Area	Actuator Stroke	Each
L38-020	331-4311	#3 Damper Actuator	3 to 7 PSI	30 PSI	8 Sq. In.	2-3/8"	**309.00**
L38-021	331-4811	#3 Damper Actuator	8 to 13 PSI	30 PSI	8 Sq. In.	2-3/8"	**309.00**

SIEMENS
Ingenuity for life

EP 265 Electro-Pneumatic Valve



- The EP 265 electro-pneumatic three-way valve is electrically operated two position three-way valve designed to control air flow
- Port connections are barbed for 1/4" O.D. poly tubing
- Valve can be mounted in any position
- Metal junction box for conduit connections

Order #	Mfg. #	Description	Volts	Max. Pressure	Each
L38-006	265-1002	EP 265 Valve	120	30	**155.00**

SIEMENS
Ingenuity for life

Repair Parts For 656 and 658 Valves



- **L38-019** stem packing kit for ten VP 658 valves contains: ten pairs of small O-rings, 20 O-ring retainers, ten pairs of Teflon® backup rings, ten washers, repacking tool (one piece), ten packaging rings and ten pairs of large O-rings
- **L38-018** diaphragm kit for five VP 658 valves contains: five diaphragms, mounting screws to replace those lost or damaged

Order #	Mfg. #	Description	For Use With	Each
L38-016	656-736	Actuator Diaphragm Kit	5-Pack for 656 Valves	**159.00**
L38-017	656-601	Stem Replacing Kit	Six VP656 Valves	**155.00**
L38-018	658-166	Diaphragm Kit	Five VP658 Valves	**135.00**
L38-019	658-167	Stem Packing Kit	Ten VP658 Valves	**259.00**

SIEMENS
Ingenuity for life

RC 195 Receiver-Controllers



A



B

- Control temperatures, humidity and static pressure of mechanical HVAC equipment
- Available in single input or multiple input
- Produce a pneumatic output signal based on the net pneumatic input and the setpoint, percent proportional band and authority (on multiple input model) settings
- Internal replaceable restrictors
- Plug-in connectors for supply, control and transmitter inputs
- Stick-on scales for set point indication for all available Landis transmitter ranges
- Control action of inputs: Single input model — #1 direct acting; #2 reverse acting; multiple input model — #1 direct acting, #2 reverse acting, #3 reverse acting (for hot water reset)
- Transmitter calibration card provided for converting transmitter signal to a 3–15 PSI signal
- Control pressure gauge provided on multiple input model
- 3–15 PSI input signal
- Air connections are barbed for 1/4" O.D. poly tubing

Fig.	Order #	Mfg. #	Description	Air Consumption	Max. Pressure	Each
A	**L37-975**	195-0011	RC 195 Single Input	60 SCIM	30 PSI	**805.00**
B	**L37-976**	195-0003	RC 195 Multi Input w/ Gauge	60 SCIM	30 PSI	**1199.00**

SIEMENS
Ingenuity for life

TT 184 Temperature Transmitters



- TT 184 temperature transmitters sense temperature and transmit a proportional 3–15 PSI signal to a remotely located receiver controller
- TT 184 transmitters are available in rigid, remote or averaging bulb configurations for mounting on air handlers
- Factory calibrated for excellent linearity and accuracy

Specifications:
- Control action: direct acting
- Output pressure: 3–15 PSI
- Supply air pressure: with a 40 SCIM restrictor, 22 PSI +1.0 - 1.0
- Air consumption: 35 SCIM
- Air connection: 1/8" -27 NPT female thread

Order #	Mfg. #	Description	Temp. Range	Style	Each
L37-977	184-0001	Rigid Bulb Trans.	35 to 135	1/4" O.D. x 9" L	**509.00**
L37-978	184-0028	Rigid Bulb Trans.	0 to 100	1/4" O.D. x 9" L	**509.00**
L37-986	184-119	Copper Well for Rigid Bulb Transmitters	—	—	**345.00**

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RL 243 SW Switching Relay

SIEMENS Ingenuity for life

- The RL 243 SW switching relay is a compact, three-way air valve for switching and diverting functions
- Changeover pressure is adjustable via an adjustment screw at the top of the relay
- Switching action connects a common port to either of two other ports
- Port connections are 1/8" -27 NPT female thread
- Changeover diff. PSI 1.5



Order #	Mfg. #	Spring Range	Max. Pressure	Each
L37-994	243-0001	0 to 25 Adj. PSI	30	**569.00**

RL 243 H Highest Pressure Signal Selector Relay

SIEMENS Ingenuity for life

- Dual input, single output logic device that compares two input signals and transmits the higher of the two to the output port
- Port connections are for 1/4" poly tubing



Order #	Mfg. #	Spring Range	Max. Pressure	Air Capacity	Each
L37-995	243-0018	None	30	130 SCIM	**265.00**

RL 243 L Lowest Pressure Signal Selector Relay

SIEMENS Ingenuity for life

- Dual input, single output logic device that compares two input signals and transmits the lower of the two to the output port
- Used as a direct acting amplifying relay or to control a single fan heating control from two direct acting relay type room thermostats
- Port connections are for 1/4" poly tubing



Order #	Mfg. #	Spring Range	Max. Pressure	Air Capacity	Air Consumption	Each
L37-996	243-0020	None	30	82 SCIM	29 SCIM	**175.00**

RL 243 R Reverse Acting Relay

SIEMENS Ingenuity for life

- Provides a proportional output signal that varies inversely with the input signal
- Two applications, signal reversing and signal inverting
- Both applications require that the supply air pressure must be equal or greater than the adjustable spring setting
- Port connections are barbed for 1/4" O.D. poly tubing



Order #	Mfg. #	Spring Range	Max. Pressure	Air Capacity	Air Consumption	Each
L37-997	243-0024	0 to 30 Adj. PSI	30	230 SCIM	29 SCIM	**465.00**

RL 243 LH Lowest and Highest Signal Selector Relay

SIEMENS Ingenuity for life

- Used where up to six pneumatic input signals are compared and the lowest and/or highest input signal is output to another logic or control device
- All port connections are barbed for 1/4" O.D. poly tubing
- This is a low capacity output device, therefore, an amplifying relay may be required in many applications



Order #	Mfg. #	Max. Pressure	Input Signal	Action	Air Capacity	Air Consumption	Each
L37-998	243-0019	0 to 30 PSI	0 to 20	Direct	230 SCIM-29 SCIM	30	**739.00**

Valve Linkage Kits

SIEMENS Ingenuity for life

- For use with SKB, SKC, SKD, and SAX Actuators
- Easy installation
- High force with output forces up to 1,000 lbs.
- Built-in manual override — no tools required

Order #	Mfg. #	Description	Valve Type	Each
L49-076	ARK13	Valve Linkage Kit	Globe	**355.00**
L49-077	ARK14	Valve Linkage Kit	Globe	**355.00**
L49-078	ARK16	Valve Linkage Kit	Globe	**355.00**
L49-079	ARK17	Valve Linkage Kit	Globe	**355.00**

Order #	Mfg. #	Description	Valve Type	Each
L49-080	ARK18	Valve Linkage Kit	Globe	**355.00**
L49-081	ARK19	Valve Linkage Kit	Globe	**355.00**
L49-082	ARK21	Valve Linkage Kit	Globe	**355.00**

Two-Pipe Room Thermostats



- Designed for proportional control of pneumatic valve and damper actuators
- Utilizes a highly sensitive bimetal element with feedback and pilot bleed relay for accuracy and stability
- Throttling range is factory set and is field adjustable
- Adjustable slider; adjustment may be concealed and locked or limited

Specifications:
- Temperature setpoint range: 55°F to 85°F
- Throttling range: factory set @ 3°F, adjustable to 12°F

Order #	Mfg. #	Control Action	Air Consumption	Air Capacity	Each
L40-190	CTC-1621-103	Direct Acting	20 SCIM	200 SCIM	**305.00**
L40-191	CTC-1622-103	Reverse Acting	20 SCIM	200 SCIM	**299.00**

Electronic VAV Flow Controller Actuator



- Pressure-independent combination controller-actuator designed primarily for use with variable air volume terminal units
- Air flow is sensed by using a single or multi-point differential (velocity) pressure measuring station or pilot tube (not included)
- The actuator section provides adjustable stops, magnetic clutch and a gear disengagement button
- Internal status LEDs indicate green for opening and red for closing

Specifications:
- Output torque: 50 in./Lb. Min., 70 in./Lb. Max, (5.6 Nm Min., 7.9 Nm Max.)
- Stroke time: 18°/minute @ 60 Hz; 15°/minute @ 50 Hz
- Angular rotation: 0 to 95°, both ends stops adjustable

Order #	Mfg. #	Volts	Input Power	Conn.	Mounting	Each
L40-189	CSP-5001	24VAC	4VA	Wire Clamp Type; 14 to 22 AWG Cu	Direct to 1/2" Diameter Shaft or 3/8" Diameter with Adapter	**745.00**

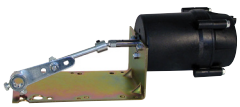
Rotary Pneumatic Damper Actuator



- Designed for use in VAV terminal units and other small dampers
- Will mount to 1/2" diameter damper shafts, or 3/8" diameter shafts using the HLO-1011 shaft adapter for 100° normal rotation
- Actuator can be mounted with either side toward damper to allow clockwise or counterclockwise rotation
- A non-rotation bracket is supplied with each actuator
- Supply connection: 3/16" nipple for 1/4" O.D. polyethylene tubing

Order #	Mfg. #	Spring Range	Max. Pressure	Effective Area	Each
L40-195	MCP-36313000	5 to 10 PSI	30 PSI	8 Sq. In.	**205.00**

Pneumatic Damper Actuators



- Designed for use in pneumatic control systems positioning automatic air dampers
- May be used for gradual or two-position applications
- Available with right angle bracket mounting and several linkage arrangements
- Spring range: 8-13 PSI
- Linkage: 1/2" crankarm

Order #	Mfg. #	Max. Pressure	Effective Area	Actuator Stroke	Replacement Diaphragm Part #	Each
L40-192	MCP-10205311	30 PSI	3" Sq. In.	2"	VTD-9422	**459.00**
L40-193	MCP-10305111	30 PSI	7" Sq. In.	3"	VTD-9423	**565.00**
L40-194	MCP-10405211	30 PSI	11" Sq. In.	4"	VTD-9424	**725.00**

Damper Actuators for Terminal Boxes



- Designed for use in VAV terminal units and other small dampers
- Furnished with a right-angle mounting bracket for mounting
- Has bronze bushing with clevis and cotter pins
- May be rotated in the bracket so the air connection can be placed where desired
- Shaft end has a slot and clevis pin to allow direct connection to the damper linkage of a VAV terminal
- Metal body allows use in ceiling plenums where concern for local safety codes is a factor
- Stroke: 1-11/16", signal connection: 3/16" O.D. metal fitting

Order #	Mfg. #	Spring Range	Max. Pressure	Effective Area	Each
L40-196	MCP-80313101	5 to 10 PSI	30 PSI	8 Sq. In.	**205.00**
L40-197	MCP-80315101	8 to 13 PSI	30 PSI	8 Sq. In.	**215.00**
L40-198	MCP-80318101	4 to 8 PSI	30 PSI	8 Sq. In.	**215.00**

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Differential Pressure Flow-Sensors

- Designed to sense differential pressure in the inlet section of a variable air volume terminal unit and fan terminal unit; sensors can also be used at other locations in the main or branch duct systems
- Normally used with CSC-1000, CSC-2000, and CSC-3000 series VAV terminal controllers for individual zone control
- The difference between the "H" port and the "L" port is the differential pressure
- Connection: 1/4" nipples for 3/8" O.D. polyethylene tubing



Order #	Mfg. #	Length	Sensing Points	Mounting	Each
L40-207	SSS-1002	3-5/32"	One Set	Integral Flange w/ Gasket	**44.49**
L40-208	SSS-1003	5-13/32"	Two Set	Integral Flange w/ Gasket	**49.99**
L40-209	SSS-1004	7-21/32"	Three Set	Integral Flange w/ Gasket	**59.00**

Dual Input Receiver-Controller

- For use with pneumatic transmitters or other devices providing 3 to 15 PSIG signals
- Adjustable proportional band, authority and setpoint
- Integral setpoint dial is marked from 3 to 15 PSI; optional adhesive dials are available for most transmitter ranges
- Remote setpoint capable
- Suitable for most control applications requiring a single or dual input receiver-controller
- Connections: 3/16" fittings for 1/4" O.D. polyethylene tubing



Order #	Mfg. #	Max. Pressure	Action	Air Capacity	Air Consumption	Each
L40-179	CCC-1002	30 PSIG	Direct or Reverse	200 SCIM	43.2 SCIM	**1199.00**

Reset Volume Controllers

- Pressure independent controllers for use with VAV terminal units
- Velocity setpoint is reset between adjustable minimum and maximum limits by a master controller
- Equipped with separate adjustment knobs for minimum and maximum airflow setting
- Models available for DA thermostat & N.O. damper, or RA thermostat and N.C. damper
- **L40-182** and **L40-183** are equipped with paper labels; other models have molded plastic dials

Specifications:
- Output sensitivity: 5 PSIG/.02" w.g.
- Main air pressure: 15 to 30 PSIG
- Maximum signal pressure: 6" w.g. applied to either port (X or Y)



Order #	Mfg. #	Thermostat	Air Consumption	De-Energized Position	Each
L40-182	CSC-2001	Cooling — DA; Heating — RA	14.4 SCIM @ 20 PSIG	Normally Open	**435.00**
L40-183	CSC-2002	Cooling — RA; Heating — DA	14.4 SCIM @ 20 PSIG	Normally Closed	**435.00**
L40-184	CSC-2003	Cooling — DA; Heating — RA	14.4 SCIM @ 20 PSIG	Normally Open	**359.00**
L40-185	CSC-2004	Cooling — RA; Heating — DA	14.4 SCIM @ 20 PSIG	Normally Closed	**359.00**
L40-186	CSC-2007	Cooling — DA; Heating — RA	11.5 SCIM @ 20 PSIG	Normally Open	**359.00**

Multi-Function Reset Volume Controllers

- Pressure independent controllers for use with VAV terminal units
- Velocity setpoint is reset between adjustable minimum and maximum limits by a master controller
- Equipped with separate adjustment knobs for minimum and maximum airflow setting
- Multi-function for direct or reverse acting thermostats, and N.O. or N.C. damper actions
- Reset start point is factory set at 8 PSIG (Adjustable 0-10 PSIG)
- Reset span is factory set at 5 PSIG (adjustable 0-10 PSIG)
- Includes mounting bracket
- **L40-187** is used with most all VAV units except Trane units
- **L40-188** is typically used with Trane VAV units

Specifications:
- Output sensitivity: **L40-187** 5 PSI/.02" w.g., **L40-188** 5 PSI/.04 w.g.
- Main air pressure: 15 to 30 PSIG
- Maximum signal pressure: 6" w.g. applied to either port (H or L)



Order #	Mfg. #	Description	Action	Air Consumption	Each
L40-187	CSC-3011-10	Differential Pressure: 0-1" wg	Cooling — DA / RA; Heating — DA / RA	28.8 SCIM @ 20 PSIG	**445.00**
L40-188	CSC-3025-10	Differential Pressure: 0-2" wg	Cooling — DA / RA; Heating — DA / RA	46.1 SCIM @ 20 PSIG	**445.00**

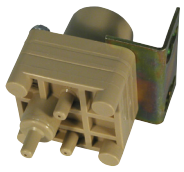
Multiple Input Selector Relay



- Selects and transmits the highest and/or lowest of up to six input signals
- Low air capacity (for high capacity requirements, add a volume booster relay)
- Mounting bracket included, can be mounted in-line
- Connections: 3/16" nipples for 1/4" O.D. polyethylene tubing

Order #	Mfg. #	Max. Pressure	Air Capacity	Air Consumption	Each
L40-203	RCC-1111	30 PSIG	28.8 SCIM	28.8 SCIM	**139.00**

Relays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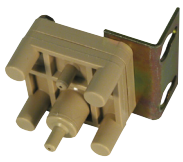
B


C


D

- **L40-199** and **L40-204** reversing relays reverse the action of a proportional control signal, with adjustable offset to advance or retard cross-over on both models
- **L40-199** has a 9 PSIG cross-over, **L40-204** has an 8 PSIG cross-over, and they are for low capacity; for high capacity requirements, use **L40-205** (RCC-1502) or **L40-206** (RCC-1504)
- **L40-200** low pressure selector selects the lowest of two pneumatic signals and can be used as a signal repeating relay
- **L40-201** high pressure selector selects the highest of two pneumatic signals
- **L40-202** diverting relay diverts input signal to either of two outputs or selects one of two inputs for the output signal and can be used to feed or exhaust a circuit (SPDT switch action)

Specifications:
- Max. pressure: 30 PSIG
- Mounting bracket included, can be mounted in-line
- Connections: 3/16" fittings for 3/4" O.D. polyethylene tubing

Fig.	Order #	Mfg. #	Description	Max. Pressure	Air Capacity	Air Consumption	Each
A	**L40-199**	RCC-1101	Reversing Relay	30 PSIG	17.3 SCIM @ 20 PSIG	17.3 SCIM	**59.00**
B	**L40-200**	RCC-1106	Low pressure Selector	30 PSIG	21.6 SCIM @ 20 PSIG	21.6 SCIM	**38.99**
C	**L40-201**	RCC-1108	High Pressure Selector	30 PSIG	260 SCIM @ 5 PSIG Pressure Drop	None	**37.49**
D	**L40-202**	RCC-1109	Diverting Relay	30 PSIG	432 SCIM @ 20 PSIG	None	**105.00**
A	**L40-204**	RCC-1112	Reversing Relay	30 PSIG	17.3 SCIM @ 20 PSIG	17.3 SCIM	**69.00**

Reversing Relays



- Reverses the action of a proportional control signal
- **L40-205** has an 8 PSIG cross-over
- **L40-206** has a 9 PSIG cross-over
- Adjustable offset to advance or retard cross-over on both models
- Mounting bracket included, can be mounted in-line
- Connection: 3/16" nipples for 1/4" O.D. polyethylene tubing

Order #	Mfg. #	Max. Pressure	Air Capacity	Air Consumption	Each
L40-205	RCC-1502	30 PSIG	1728 SCIM @ 20 PSIG	14.4 SCIM	**175.00**
L40-206	RCC-1504	30 PSIG	1729 SCIM @ 20 PSIG	14.4 SCIM	**175.00**

Pneumatic-Electric Switch



- Converts a proportional control signal change into a positive electrical switching action
- Includes case cover to conceal the switch and wiring with electrical access through two 1/2" conduit openings
- Ideal for applications such as starting fan coil unit fans, exhaust fans, and direct control of electric duct heaters
- Electrical rating: 20A non-inductive @ 120/240/480VAC; 1 HP @ 120VAC; 2 HP @ 240VAC

Order #	Mfg. #	Max. Pressure	Diff.	Switch Action	Each
L40-180	CCE-1001	30 PSIG	2 PSIG fixed	SPDT	**255.00**

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Pressure Transducer

- Converts a proportional electronic signal to a proportional pneumatic signal
- Will interface most building automation systems to pneumatic actuators and valves
- Manual override jumper with potentiometer adjustment
- Surface mount



Order #	Mfg. #	Volts	Input Signal	Output Signal	Each
L40-211	XEC-3004	24VAC/VDC	1 to 5VDC, 2 to 10VDC, 4 to 20mA	3 to 15 PSIG	**535.00**

Simplex and Duplex Climate Control Compressed Air Systems

- Available in 1/2 HP to 25 HP
- Available in 4.40 to 106.00 CFM FAD @ 80 PSIG
- Available tank and base mounted
- Available in 30 to 200 lb. tank size
- Two parts per million (PPM) maximum oil carryover certification
- Two-year bumper to bumper warranty on all units
- ASME-coded and National Board-Approved receiver tank; California Code 462-L-2 approval upon request
- ASME-coded relief valve
- Pressure gauge, manual drain valve and manual shutoff valve at tank discharge
- Initial Quin-Cup™ oil fill and enclosed belt guard on all units
- Unit does not include a motor starter — Simplex starter panels and solid-state duplex control panels with auto-alternation available
- Units available with packaged air dryer

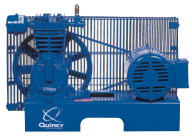
Note: Voltage must be specified when ordering

Johnstone Supply is a Quincy Compressor® Climate Control national account.

The products shown here are available from participating Johnstone Supply stores.

QT Climate Control Compressors

- Replaces virtually any manufacturers' compressor without requiring complete package-unit removal
- Includes compressor, flywheel, motor, belt, guard and pulley, all mounted on a specially designed base plate that will fit any tank top plate from any manufacturer
- Equipped with a special lap gap ring design, allowing certified oil carryover rating of 2 PPM or less
- Template and instructions for quick and easy installation included
- Three-phase motors; units with single-phase motors also available
- Voltage must be specified when ordering



Order #	Mfg. #	HP	RPM	CFM + FAD 80 PSI	CIM + FAD 80 PSI
L96-294	QC007BRSX	3/4	357	4.4	7,603
L96-295	QC010BRSX	1	450	5.0	8,640
L96-296	QC015BRSX	1-1/2	596	6.5	11,232

Order #	Mfg. #	HP	RPM	CFM + FAD 80 PSI	CIM + FAD 80 PSI
L96-297	QC020BRSX	2	520	9.8	16,934
L96-298	QC030BRSX	3	647	12.2	21,081
L96-299	QC050BRSX	5	774	18.2	25,229

AF 908 Compressed Air Filter

- AF 908 air filters are designed to remove water, oil or particles from HVAC compressed air systems
- Pneumatic HVAC systems require clean, dry, oil-free air to function properly
- Filtration efficiency: 0.025 micron or larger



Order #	Mfg. #	Description	Max. Pressure	Max. Flow	Each
L38-024	908-042	Replacement Filter Element for 908-046 Assembly	150	10 SCFM	**275.00**

Refrigerated Air Dryers

- Removes moisture from pneumatic supply air lines and helps prevent condensation at low temperatures
- Assures clean air downstream at pneumatic controls and devices
- In/out connection: 3/8" O.D.
- No pre-filter required
- Automatic condensate drain discharges condensation from the dryer
- Compressor does not short-cycle, even during rapid load changes
- Uses R134a refrigerant
- Sized for system air consumption
- Reheated outlet air eliminates cold, sweaty piping



Order #	Mfg. #	Volts	HP	CFM
L96-392	HPR5-10	115V, 60 Hz	1/8	10
L96-393	HPR15	115V, 60 Hz	1/7	15

HANKISON

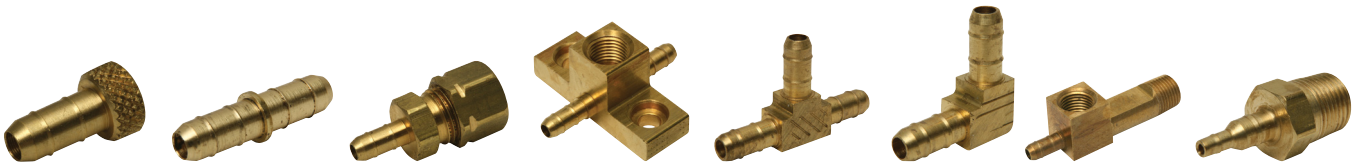
Replacement Parts and Accessories

Order #	Mfg. #	Description	Each
L40-277	3055807	Replacement Drain Mechanism for HPR5-10	**395.00**
L40-278	3149293	Replacement Timer Drain for HPR15	**555.00**
L40-279	3153685	Wall Mounting Bracket for HPR5-10 and HPR15	**189.00**
L86-362	RDMK1	Maintenance Kit for 8005 & 8010	**665.00**
L86-363	RDMK2	Maintenance Kit for 8015	**695.00**

Order #	Mfg. #	Description	Each
L38-862	1701-2	Bleed-Type Air Bypass Valve	**275.00**
L38-863	1701-3	Non-Bleed-Type Air Bypass Valve	**339.00**
L86-364	3153684	Filter/Regulator Kit for 8005, 8010 & 8015	**1345.00**
L38-883	E5-12-18	Replacement Filter for L86-364	**175.00**
L38-884	E5-16-03	Replacement Filter for L86-365	**275.00**

Sypco®

Tubing Fittings



A B C D E F G I

Fig.	Order #	Mfg. #	Description	Conn. Size	Each	10 Lot
A	**L38-234**	SFB204P	Plug	1/4"	**3.29**	**2.85**
A	**L38-235**	SFB2045P	Plug	1/4" x 5/32"	**3.75**	**3.19**
B	**L38-236**	SFB2245RU	Union Reducer	1/4" x 5/32"	**3.75**	**3.25**
B	**L38-237**	SFB225U	Union	5/32"	**3.55**	**3.05**
B	**L38-238**	SFB224U	Union	1/4"	**3.29**	**2.85**
C	**L38-239**	SFB22UB	Bulkhead Union	1/4" x 1/4"	**12.49**	**10.99**
D	**L38-240**	SFB220T	Adapter Tee	1/4" x 1/8"	**27.49**	**22.99**

Fig.	Order #	Mfg. #	Description	Conn. Size	Each	10 Lot
E	**L38-241**	SFB2245T	Union Tee	5/32"	**8.89**	**7.59**
E	**L38-242**	SFB224T	Union Tee	1/4"	**6.59**	**5.59**
F	**L38-243**	SFB225E	Elbow	5/32"	**14.99**	**12.99**
F	**L38-244**	SFB2254E	Elbow	1/4"	**6.35**	**5.39**
G	**L38-245**	SFB225T	Gauge Tee	1/4" x 1/8" MPT	**17.49**	**14.99**
I	**L38-247**	SFB247S	Step Barb Connector	5/32" x 1/4" x 1/8" MPT	**10.99**	**9.29**

Johnson Controls



Direct Coupled Actuators- Non-Spring Return

- Direct mount to dampers; valves require **L46-281**, or **L46-596** valve linkage kit
- Designed to position balancing, control, round and zone dampers in HVAC Systems
- Provides floating control (AGA), floating control with automatic shutoff (IGA), and proportional controls with selectable 0-10 or 2-10VDC (GGA)
- The XXX-2S models are equipped with plenum cables and the XXX-3S models are equipped with terminal blocks
- Synchronous drive - provides a constant rotation time that is independent of the load
- Electronic circuitry or magnetic clutch protection for torque limiting
- Universal collar design easily accommodates most round and square shaft sizes
- Small, compact design - allows installation in tight fitting locations
- **L47-078**, **L47-082**, **L47-084**, **L47-086**, **L47-088**, **L47-092**, **L47-094**, **L47-096**, **L47-098**, **L47-101** include two SPDT auxiliary switches
- Electrical Connection: A = Screw Terminals; B = 1/4" Spade Terminals; C = 48" (1.2m) 10 AWG Plenum Cable; D = 120" 19 AWG Plenum Cable
- **L47-079** and **L47-089** include Resistive 135 ohm Potentiometer Position Feedback
- **L47-080**, **L47-081**, **L47-082**, **L47-083**, **L47-084**, **L47-085**, **L47-086**, **L47-090**, **L47-091**, **L47-092**, **L47-093**, **L47-094**, **L47-095**, **L47-096**, **L47-099**, **L47-100** and **L47-101** include Resistive 1000 ohm Potentiometer Position Feedback

Order #	Mfg. #	Torque	Control Signal
L47-061	M9102-AGA-2S	18 lb-in	Floating
L47-062	M9102-AGA-3S	18 lb-in	Floating
L47-063	M9102-IGA-2S	18 lb-in	On/Off and Floating
L47-064	M9102-IGA-3S	18 lb-in	On/Off and Floating
L46-590	M9104-AGA-2S	35 lb-in	Floating
L46-593	M9104-AGA-3S	35 lb-in	Floating
L46-592	M9104-GGA-2S	35 lb-in	Proportional 0(2) to 10VDC, 0(4) to 20 mA
L46-595	M9104-GGA-3S	35 lb-in	Proportional 0(2) to 10VDC, 0(4) to 20 mA
L46-591	M9104-IGA-2S	35 lb-in	On/Off and Floating
L46-594	M9104-IGA-3S	35 lb-in	On/Off and Floating
L47-335	M9108-AGA-2	70 lb-in	On/Off and Floating
L47-336	M9108-AGC-2	70 lb-in	On/Off and Floating
L47-337	M9108-GGA-2	70 lb-in	Proportional 0(2) to 10VDC, 0(4) to 20mA
L47-338	M9108-GGC-2	70 lb-in	Proportional 0(2) to 10VDC, 0(4) to 20mA
L40-416	M9116-AGA-2	140 lb-in	On/Off and Floating
L47-078	M9116-AGC-2	140 lb-in	On/Off and Floating
L47-079	M9116-AGD-2	140 lb-in	On/Off and Floating
L47-080	M9116-AGE-2	140 lb-in	On/Off and Floating
L47-081	M9116-GGA-2	140 lb-in	Proportional 0(2) to 10VDC, 0(4) to 20mA
L47-082	M9116-GGC-2	140 lb-in	Proportional 0(2) to 10VDC, 0(4) to 20mA

Order #	Mfg. #	Torque	Control Signal
L47-083	M9116-HGA-2	140 lb-in	Proportional 0(2) to 10VDC w/ Adj. Start/Span
L47-084	M9116-HGC-2	140 lb-in	Proportional 0(2) to 10VDC w/ Adj. Start/Span
L47-085	M9116-JGA-2	140 lb-in	Resistive 100 to 10,000 ohms
L47-086	M9116-JGC-2	140 lb-in	Resistive 100 to 10,000 ohms
L47-087	M9124-AGA-2	210 lb-in	On/Off and Floating
L47-088	M9124-AGC-2	210 lb-in	On/Off and Floating
L47-089	M9124-AGD-2	210 lb-in	On/Off and Floating
L47-090	M9124-AGE-2	210 lb-in	On/Off and Floating
L47-091	M9124-GGA-2	210 lb-in	Proportional 0(2) to 10VDC, 0(4) to 20mA
L47-092	M9124-GGC-2	210 lb-in	Proportional 0(2) to 10VDC, 0(4) to 20mA
L47-093	M9124-HGA-2	210 lb-in	Proportional 0(2) to 10VDC w/ Adj. Start/Span
L47-094	M9124-HGC-2	210 lb-in	Proportional 0(2) to 10VDC w/ Adj. Start/Span
L47-095	M9124-JGA-2	210 lb-in	Resistive 100 to 10,000 ohms
L47-096	M9124-JGC-2	210 lb-in	Resistive 100 to 10,000 ohms
L47-097	M9132-AGA-2	280 lb-in	On/Off and Floating
L47-098	M9132-AGC-2	280 lb-in	On/Off and Floating
L47-099	M9132-AGE-2	280 lb-in	On/Off and Floating
L47-100	M9132-GGA-2	280 lb-in	Proportional 0(2) to 10VDC, 0(4) to 20mA
L47-101	M9132-GGC-2	280 lb-in	Proportional 0(2) to 10VDC, 0(4) to 20mA

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Flowrite Electronic Valve Actuators

SIEMENS
Ingenuity for life

- Flowrite Electro-Hydraulic Actuator
- 24 VAC
- 0 to 10 VDC or 4 to 20 mA Proportional Control
- Spring Return
- 250 lb Thrust
- 3/4-inch Stroke



Order #	Mfg. #	Torque	Control Signal	Volts	VA Rating	Each
Standard Rated						
L49-126	SKB62U	—	—	—	—	**2945.00**
L49-127	SKD62U	258 lb-in.	0-10Vdc	24	17 VA	**1699.00**

Powermite 599 Electronic Valve Actuator

SIEMENS
Ingenuity for life

- Controls Powermite 599 MT Series valves
- Require a 24VAC or 24VDC supply and 0-10 Vdc control signal
- UL listed for plenum installation
- Direct-coupled installation without special tool



Order #	Mfg. #	Torque	Control Signal	Each
L49-132	SSC61.5U	67 In-in	0-10Vdc	**539.00**

Direct Coupled Actuators - Spring Return

Johnson Controls

- Direct mount to dampers; valves require **L46-281**, or **L46-596** valve linkage kit
- A mechanical spring return system provides rated torque with and without power applied to the actuator
- 120VAC supply voltage on **L45-654**, **L47-114**, **L47-121** and **L47-122**; 120/240VAC on **L46-277**, **L47-106**, **L47-107** and **L47-108**; 240VAC on **L47-115**, **L47-116**, **L47-123** and **L47-124**; 24VAC on all others
- **L47-103**, **L47-104**, **L47-105**, **L41-107**, **L47-108**, **L47-110** and **L47-111** include one SPDT auxiliary switch



Order #	Mfg. #	Torque	Control Signal
L46-275	M9203-AGA-2	27 lb-in	On/Off and Floating
L47-102	M9203-AGA-2Z	27 lb-in	On/Off and Floating
L47-103	M9203-AGB-2	27 lb-in	On/Off and Floating
L47-104	M9203-AGB-2Z	27 lb-in	On/Off and Floating
L46-276	M9203-BGA-2	27 lb-in	On/Off
L47-105	M9203-BGB-2	27 lb-in	On/Off
L46-277	M9203-BUA-2	27 lb-in	On/Off
L47-106	M9203-BUA-2Z	27 lb-in	On/Off
L47-107	M9203-BUB-2	27 lb-in	On/Off
L47-108	M9203-BUB-2Z	27 lb-in	On/Off
L46-278	M9203-GGA-2	27 lb-in	Proportional 0(2) to 10VDC, 0(4) to 20mA
L47-109	M9203-GGA-2Z	27 lb-in	Proportional 0(2) to 10VDC, 0(4) to 20mA
L47-110	M9203-GGB-2	27 lb-in	Proportional 0(2) to 10VDC, 0(4) to 20mA
L47-111	M9203-GGB-2Z	27 lb-in	Proportional 0(2) to 10VDC, 0(4) to 20mA
L47-112	M9208-AGA-2	70 lb-in	On/Off and Floating
L45-653	M9208-AGA-3	70 lb-in	On/Off and Floating
L47-113	M9208-AGC-3	70 lb-in	On/Off and Floating
L45-654	M9208-BAA-3	70 lb-in	On/Off
L47-114	M9208-BAC-3	70 lb-in	On/Off

Order #	Mfg. #	Torque	Control Signal
L47-115	M9208-BDA-3	70 lb-in	On/Off
L47-116	M9208-BDC-3	70 lb-in	On/Off
L45-655	M9208-BGA-3	70 lb-in	On/Off
L47-117	M9208-BGC-3	70 lb-in	On/Off
L47-118	M9208-GGA-2	70 lb-in	Proportional 0(2) to 10VDC; 0(4) to 20 mA
L45-656	M9208-GGA-3	70 lb-in	Proportional 0(2) to 10VDC; 0(4) to 20 mA
L47-119	M9208-GGC-3	70 lb-in	Proportional 0(2) to 10VDC; 0(4) to 20 mA
L41-784	M9220-AGA-3	177 lb-in	On/Off and Floating
L47-120	M9220-AGC-3	177 lb-in	On/Off and Floating
L47-121	M9220-BAA-3	177 lb-in	On/Off
L47-122	M9220-BAC-3	177 lb-in	On/Off
L47-123	M9220-BDA-3	177 lb-in	On/Off
L47-124	M9220-BDC-3	177 lb-in	On/Off
L41-785	M9220-BGA-3	177 lb-in	On/Off
L41-786	M9220-BGC-3	177 lb-in	On/Off
L41-787	M9220-GGA-3	177 lb-in	Proportional 0(2) to 10VDC, 0(4) to 20mA
L47-125	M9220-GGC-3	177 lb-in	Proportional 0(2) to 10VDC, 0(4) to 20mA
L41-788	M9220-HGA-3	177 lb-in	Proportional 0(2) to 10VDC w/ Adj. Start/Span
L47-126	M9220-HGC-3	177 lb-in	Proportional 0(2) to 10VDC w/ Adj. Start/Span

Weather Shield Enclosure

Johnson Controls

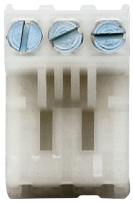
- Impact-grade transparent cover allows unobstructed view of actuator
- Ultraviolet inhibitors on cover prolong life
- NEMA 3R rated



Order #	Mfg. #	For Use With
L40-427	M9000-310	M9106 and M9116 Series Actuators

Actuator Terminal Blocks

- Replaces spade terminals on **L40-415** and **L40-414** actuators



A



B

Fig.	Order #	Mfg. #	Description
A	**L40-423**	M9000-105	3-Terminal Block
B	**L40-424**	M9000-106	4-Terminal Block

M100 Series Actuator Family Accessories

- Below accessories allow users to convert from an obsolete and discontinued Johnson Controls M100 foot mount actuator to the current generation M9000 Series direct mount actuator family



A



B



C



D

Fig.	Order #	Mfg. #	Description	For Use With
A	**L46-586**	M9203-100	Remote Mounting Kit, Horizontal. Kit includes Mounting Bracket, M9000-153 Crankarm, Ball Joint, and Mounting Bolts	M9203 Series Actuators
B	**L46-587**	M9208-100	Universal Mounting Kit without Crankarm Kit	M9208 Series Actuators
C	**L46-588**	M9000-170	Remote Mounting Kit. Includes Mounting Bracket, M9000-153 Crank Arm, Ball Joint, and Mounting Bolts	M9220 Series Actuators (Horizontal Mount)
D	**L46-589**	M9000-171	Remote Mounting Kit. Includes Mounting Bracket, M9000-153 Crank Arm, Ball Joint, and Mounting Bolts	M9220 Series Actuators (Vertical Mount)

Direct Coupled Actuators- Non-Spring Return



- Declutch for manual adjustment
- Adjustable mechanical end limits
- Removable access cover for direct wiring
- Mountable in any orientation
- Function selection switch for selecting modulating or floating/2- position control
- Models available with three-foot, 18 AWG color-coded cable
- **N20 Series is a control for air damper applications with up to 50 sq ft assuming 3.5 in-lb per sq ft of damper area, velocity independent
- **N34 Series is a control for air damper applications with up to 85 sq ft assuming 3.5 in-lb per sq ft of damper area, velocity independent

Applications:

- Stroke Degrees: 95 ±3 degrees

Order #	Mfg. #	Torque	Control Signal	Includes	Each
****N05 Series**					
L47-215	MN6105A1011	44 lb-in. (5 Nm)	On/Off; SPDT; Floating	Mounting Bracket, Screws, Shaft Adapter, Water-Tight Strain-Relief Cable Fittings	**365.00**
L47-216	MN6105A1201	44 lb-in. (5 Nm)	On/Off; SPDT; Floating	Mounting Bracket, Screws, Shaft Adapter, Water-Tight Strain-Relief Cable Fittings	**545.00**
L47-217	MN6105W1011	44 lb-in. (5 Nm)	On/Off; SPDT; Floating	Mounting Bracket, Screws, Shaft Adapter, Water-Tight Strain-Relief Cable Fittings	**285.00**
L47-218	MN7505A2001	44 lb-in. (5 Nm)	(0)2-10Vdc (4-20mA w/ 500 Ohm resistor); On/Off; SPDT; Floating	Mounting Bracket, Screws, Shaft Adapter, Water-Tight Strain-Relief Cable Fittings	**479.00**
L47-219	MN7505A2209	44 lb-in. (5 Nm)	(0)2-10Vdc (4-20mA w/ 500 Ohm resistor); On/Off; SPDT; Floating	Mounting Bracket, Screws, Shaft Adapter, Water-Tight Strain-Relief Cable Fittings	**635.00**
****N10 Series**					
L47-221	MN6110A1003	88 lb-in. (10 Nm)	On/Off; SPDT; Floating	Mounting Bracket, Screws, Shaft Adapter, Water-Tight Strain-Relief Cable Fittings	**525.00**
L47-222	MN6110A1201	88 lb-in. (10 Nm)	On/Off; SPDT; Floating	Mounting Bracket, Screws, Shaft Adapter, Water-Tight Strain-Relief Cable Fittings	**555.00**
L47-223	MN7510A2001	88 lb-in. (10 Nm)	(0)2-10Vdc (4-20mA w/500 Ohm Resistor); On/Off; SPDT; Floating	Mounting Bracket, Screws, Shaft Adapter, Water-Tight Strain-Relief Cable Fittings	**589.00**

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Order #	Mfg. #	Torque	Control Signal	Includes	Each
L47-224	MN7510A2209	88 lb-in. (10 Nm)	(0)2-10Vdc (4-20mA w/500 Ohm Resistor); On/Off; SPDT; Floating	Mounting Bracket, Screws, Shaft Adapter, Water-Tight Strain-Relief Cable Fittings	**729.00**
****N20 Series**					
L47-225	MN6120A1002	175 lb-in. (20 Nm)	On/Off; SPDT; Floating	Mounting Bracket, Self-Centering Shaft Adapter	**769.00**
L47-226	MN6120A1200	175 lb-in. (20 Nm)	On/Off; SPDT; Floating	Mounting Bracket, Self-Centering Shaft Adapter	**925.00**
L47-227	MN7220A2007	175 lb-in. (20 Nm)	(0)2-10Vdc (4-20mA) w/500 ohm resistor)	Mounting Bracket, Self-Centering Shaft Adapter	**759.00**
L47-228	MN7220A2205	175 lb-in. (20 Nm)	(0)2-10Vdc (4-20mA) w/500 ohm resistor)	Mounting Bracket, Self-Centering Shaft Adapter	**1045.00**
****N34 Series**					
L47-230	MN7234A2008	300 lb-in. (34 Nm)	(0)2-10Vdc (4-20mA) w/500 ohm resistor)	Mounting Bracket, Self-Centering Shaft Adapter	**1199.00**
ML6161; ML7161 Series					
L47-291	ML6161A2009	35 lb-in	On/Off; SPDT; Floating	—	**695.00**

Direct Coupled Actuators-Spring Return

Honeywell

- Brushless DC submotor with electronic stall protection on all models
- Self-centering shaft adaptor (shaft coupling) for wide range of shaft sizes
- Models available for use with two-position, SPST, line- (Series 40) or low- (Series 80) voltage controls
- Models available for use with floating or switched SPDT (Series 60) controls
- Models available for use with proportional current or voltage (Series 70) controls
- Models available with combined floating and modulating control in a single device
- Models available with an internal end switch
- Models available with three-foot, 18 AWG color-coded cable
- Access cover to facilitate connectivity
- Durable plastic housing with built-in mechanical end limits
- Spring return direction field selectable
- Shaft position indicator and scale
- UL (cUL) listed and CE compliant
- All models are plenum rated per UL873
- Integral 1/2 in. NPSM conduit connection on some models"

Applications:
- Stroke Degrees: 95° ±3°



Order #	Mfg. #	Torque	Control Signal	Includes	Each
****Zelix S03**					
L47-231	MS3103J1030	27 lb-in. (3 Nm)	Sylk-Enabled	Mounting Bracket, Self-Centering Shaft Adapter	**815.00**
L47-234	MS7403A2030	27 lb-in. (3 Nm)	3k Ohm; 2-10Vdc (4-20mAw/500 Ohm resistor); On/Off; SPDT; Floating; Three Position	Mounting Bracket, Self-Centering Shaft Adapter	**785.00**
L46-218	MS7503A2030	27 lb-in.	Floating; (0)2-10Vdc (4-20mAw/500 Ohm Resistor)	Mounting Bracket, Self-Centering Shaft Adapter	**729.00**
L46-219	MS7503A2130	27 lb-in.	Floating; (0)2-10Vdc (4-20mAw/500 Ohm Resistor)	Mounting Bracket, Self-Centering Shaft Adapter	**995.00**
L47-235	MS8103A1030	27 lb-in. (3 Nm)	Two Position; SPST	Mounting Bracket, Self-Centering Shaft Adapter	**515.00**
L47-236	MS8103A1130	27 lb-in. (3 Nm)	Two Position; SPST	Mounting Bracket, Self-Centering Shaft Adapter	**695.00**
****Zelix S05**					
L47-232	MS4103A1030	44 lb-in. (5 Nm)	Two Position; SPST	Mounting Bracket, Self-Centering Shaft Adapter	**639.00**
L47-233	MS4103A1130	44 lb-in. (5 Nm)	Two Position; SPST	Mounting Bracket, Self-Centering Shaft Adapter	**699.00**
L47-237	MS3105J3030	44 lb-in. (5 Nm)	Sylk-Enabled	Mounting Bracket, Self-Centering Shaft Adapter	**735.00**
L47-238	MS3105J3130	44 lb-in. (5 Nm)	Sylk-Enabled	Mounting Bracket, Self-Centering Shaft Adapter	**709.00**
L47-239	MS4105A1030	44 lb-in. (5 Nm)	Sylk-Enabled	Mounting Bracket, Self-Centering Shaft Adapter	**699.00**
L47-240	MS4105A1130	44 lb-in. (5 Nm)	Sylk-Enabled	Mounting Bracket, Self-Centering Shaft Adapter	**749.00**
L47-241	MS7405A2030	44 lb-in. (5 Nm)	3k Ohm; 2-10Vdc (4-20mAw/500 Ohm resistor); On/Off; SPDT; Floating; Three Position	Mounting Bracket, Self-Centering Shaft Adapter	**879.00**
L47-242	MS7505A2030	44 lb-in. (5 Nm)	(0)2-10Vdc (4-20mA w/500 Ohm Resistor); On/Off; SPDT; Floating	Mounting Bracket, Self-Centering Shaft Adapter	**715.00**
L47-243	MS7505A2130	44 lb-in. (5 Nm)	(0)2-10Vdc (4-20mA w/500 Ohm Resistor); On/Off; SPDT; Floating	Mounting Bracket, Self-Centering Shaft Adapter	**1045.00**
L47-244	MS7505W2030	44 lb-in. (5 Nm)	(0)2-10Vdc (4-20mA w/500 Ohm Resistor); On/Off; SPDT; Floating	Mounting Bracket, Self-Centering Shaft Adapter	**845.00**

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Order #	Mfg. #	Torque	Control Signal	Includes	Each
L47-245	MS7505W2130	44 lb-in. (5 Nm)	(0)2-10Vdc (4-20mA w/500 Ohm Resistor); On/Off; SPDT; Floating	Mounting Bracket, Self-Centering Shaft Adapter	**709.00**
L47-246	MS8105A1030	44 lb-in. (5 Nm)	Two Position; SPST	Mounting Bracket, Self-Centering Shaft Adapter	**489.00**
L47-247	MS8105A1130	44 lb-in. (5 Nm)	Two Position; SPST	Mounting Bracket, Self-Centering Shaft Adapter	**635.00**
L47-248	MS8105W1030	44 lb-in. (5 Nm)	Two Position; SPST	Mounting Bracket, Self-Centering Shaft Adapter	**695.00**
L47-249	MS8105W1130	44 lb-in. (5 Nm)	Two Position; SPST	Mounting Bracket, Self-Centering Shaft Adapter	**815.00**
****S10 Series**					
L81-445	MS4110A1002	88 lb-in. (10 Nm)	Two Position; SPST	Mounting Bracket, Self-Centering Shaft Adapter, 3mm Crank	**809.00**
L81-446	MS4110A1200	88 lb-in. (10 Nm)	Two Position; SPST	Mounting Bracket, Self-Centering Shaft Adapter, 3mm Crank	**915.00**
L81-447	MS7510A2008	88 lb-in. (10 Nm)	(0)2-10Vdc (4-20mA w/500 Ohm Resistor); On/Off; SPDT; Floating	Mounting Bracket, Self-Centering Shaft Adapter, 3mm Crank	**839.00**
L81-448	MS7510A2206	88 lb-in. (10 Nm)	(0)2-10Vdc (4-20mA w/500 Ohm Resistor); On/Off; SPDT; Floating	Mounting Bracket, Self-Centering Shaft Adapter, 3mm Crank	**1099.00**
L81-449	MS7510H2209	88 lb-in. (10 Nm)	(0)2-10Vdc (4-20mA w/500 Ohm Resistor); On/Off; SPDT; Floating	Mounting Bracket, Self-Centering Shaft Adapter, 3mm Crank	**849.00**
L81-450	MS7510W2008	88 lb-in. (10 Nm)	(0)2-10Vdc (4-20mAw/500 Ohm Resistor); Floating	Mounting Bracket, Self-Centering Shaft Adapter, 3mm Crank	**695.00**
L81-451	MS7510W2206	88 lb-in. (10 Nm)	(0)2-10Vdc (4-20mAw/500 Ohm Resistor); Floating	Mounting Bracket, Self-Centering Shaft Adapter, 3mm Crank	**869.00**
L81-452	MS8110A1008	88 lb-in. (10 Nm)	Two Position; SPST	Mounting Bracket, Self-Centering Shaft Adapter, 3mm Crank	**695.00**
L81-453	MS8110A1206	88 lb-in. (10 Nm)	Two Position; SPST	Mounting Bracket, Self-Centering Shaft Adapter, 3mm Crank	**889.00**
L81-454	MS8110W1008	88 lb-in. (10 Nm)	Two Position; SPST	Mounting Bracket, Self-Centering Shaft Adapter, 3mm Crank	**549.00**
L81-455	MS8110W1206	88 lb-in. (10 Nm)	Two Position; SPST	Mounting Bracket, Self-Centering Shaft Adapter, 3mm Crank	**689.00**
****S20 Series**					
L81-456	MS4120A1001	175 lb-in. (20 Nm)	Two Position; SPST	Mounting Bracket, Self-Centering Shaft Adapter, 3mm Crank	**999.00**
L81-457	MS4120A1209	175 lb-in. (20 Nm)	Two Position; SPST	Mounting Bracket, Self-Centering Shaft Adapter, 3mm Crank	**1245.00**
L81-458	MS7520A2007	175 lb-in. (20 Nm)	(0)2-10Vdc (4-20mA w/500 Ohm Resistor); On/Off; SPDT; Floating	Mounting Bracket, Self-Centering Shaft Adapter, 3mm Crank	**1099.00**
L81-459	MS7520A2205	175 lb-in. (20 Nm)	(0)2-10Vdc (4-20mA w/500 Ohm Resistor); On/Off; SPDT; Floating	Mounting Bracket, Self-Centering Shaft Adapter, 3mm Crank	**1299.00**
L81-460	MS7520H2208	175 lb-in. (20 Nm)	(0)2-10Vdc (4-20mA w/500 Ohm Resistor); On/Off; SPDT; Floating	Mounting Bracket, Self-Centering Shaft Adapter, 3mm Crank	**1345.00**
L81-461	MS7520W2007	175 lb-in. (20 Nm)	(0)2-10Vdc (4-20mA w/ 500 Ohm Resistor); Floating	Mounting Bracket, Self-Centering Shaft Adapter, 3mm Crank	**969.00**
L81-462	MS7520W2205	175 lb-in. (20 Nm)	(0)2-10Vdc (4-20mA w/ 500 Ohm Resistor); Floating	Mounting Bracket, Self-Centering Shaft Adapter, 3mm Crank	**1045.00**
L81-463	MS8120A1007	175 lb-in. (20 Nm)	Two Position; SPST	Mounting Bracket, Self-Centering Shaft Adapter, 3mm Crank	**865.00**
L81-464	MS8120A1205	175 lb-in. (20 Nm)	Two Position; SPST	Mounting Bracket, Self-Centering Shaft Adapter, 3mm Crank	**1045.00**
L81-465	MS8120W1007	175 lb-in. (20 Nm)	Two Position; SPST	Mounting Bracket, Self-Centering Shaft Adapter, 3mm Crank	**649.00**
L81-466	MS8120W1205	175 lb-in. (20 Nm)	Two Position; SPST	Mounting Bracket, Self-Centering Shaft Adapter, 3mm Crank	**839.00**

PROVIDING YOU UNIVERSAL TRUCK STOCK OPTIONS

Ask About Our Replenishment Programs Today!



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Direct Coupled Actuators - Universal Fire and Smoke

Honeywell

- Brush DC submotor with electronic stall protection for 2-position models
- Self-centering shaft adapter (shaft coupling) for wide range of shaft sizes
- Models available for use with two-position, single pole single throw (spst), line- (Series 40) or low- (Series 80) voltage controls
- Metal housing with built-in mechanical end limits
- Spring return direction field-selectable
- Shaft position indicator and scale
- Manual winding capability with locking function
- UL (cUL) listed and CE compliant
- All Models are plenum-rated per UL873
- Reversible design enables mounting for clockwise or counter-clockwise spring return with one model
- Optional internal end switches reduce the installation time and eliminates the need for an accessory auxiliary switch pack that was required in the past for confirming full open or full close of the actuator/damper
- Clip-in conduit connections have been added to the base of the actuator to simplify wiring and connection of flexible conduit
- Simplified shaft adapter enables fast, tight, and secure connection to the damper shaft

Applications:
- Stroke Degree: 95° ±3°


A


B

Fig.	Order #	Mfg. #	Torque	Control Signal	Includes	Each
A	**L81-467**	MS4120F1006	175 lb-in. (20Nm)	Two Position; SPST	Self-Centering Shaft Adapter, 3mm Crank	**1145.00**
A	**L81-468**	MS4120F1204	175 lb-in. (20Nm)	Two Position; SPST	Self-Centering Shaft Adapter, 3mm Crank	**1299.00**
A	**L81-469**	MS4620F1005	175 lb-in. (20Nm)	Two Position; SPST	Self-Centering Shaft Adapter, 3mm Crank	**1445.00**
A	**L81-470**	MS4620F1203	175 lb-in. (20Nm)	Two Position; SPST	Self-Centering Shaft Adapter, 3mm Crank	**1699.00**
A	**L81-471**	MS8120F1002	175 lb-in. (20Nm)	Two Position; SPST	Self-Centering Shaft Adapter, 3mm Crank	**1245.00**
A	**L81-472**	MS8120F1200	175 lb-in. (20Nm)	Two Position; SPST	Self-Centering Shaft Adapter, 3mm Crank	**1199.00**
B	**L81-473**	MS4104F1010	30 lb-in (3.4 Nm)	Two Position; SPST	Round 1/2" Shaft Adapter with 1/4" Set Screws	**649.00**
B	**L81-475**	MS4604F1010	30 lb-in (3.4 Nm)	Two Position; SPST	Round 1/2" Shaft Adapter with 1/4" Set Screws	**835.00**
B	**L81-476**	MS4604F1210	30 lb-in (3.4 Nm)	Two Position; SPST	Round 1/2" Shaft Adapter with 1/4" Set Screws	**979.00**
B	**L81-477**	MS8104F1010	30 lb-in (3.4 Nm)	Two Position; SPST	Round 1/2" Shaft Adapter with 1/4" Set Screws	**699.00**
B	**L81-478**	MS8104F1210	30 lb-in (3.4 Nm)	Two Position; SPST	Round 1/2" Shaft Adapter with 1/4" Set Screws	**839.00**
B	**L81-479**	MS4109F1010	80 lb-in (9 Nm)	Two Position; SPST	Round 1/2" Shaft Adapter with 1/4" Set Screws	**875.00**
B	**L81-480**	MS4109F1210	80 lb-in (9 Nm)	Two Position; SPST	Round 1/2" Shaft Adapter with 1/4" Set Screws	**1045.00**
B	**L81-481**	MS4609F1010	80 lb-in (9 Nm)	Two Position; SPST	Round 1/2" Shaft Adapter with 1/4" Set Screws	**1245.00**
B	**L81-482**	MS4609F1210	80 lb-in (9 Nm)	Two Position; SPST	Round 1/2" Shaft Adapter with 1/4" Set Screws	**1299.00**
B	**L81-483**	MS8109F1010	80 lb-in (9 Nm)	Two Position; SPST	Round 1/2" Shaft Adapter with 1/4" Set Screws	**945.00**
B	**L81-484**	MS8109F1210	80 lb-in (9 Nm)	Two Position; SPST	Round 1/2" Shaft Adapter with 1/4" Set Screws	**1145.00**
B	**L81-474**	MS4104F1210	30 lb-in (3.4 Nm)	Two Position; SPST	Round 1/2" Shaft Adapter with 1/4" Set Screws	**795.00**

Direct Coupled Actuators – Non-Spring Return

SIEMENS
Ingenuity for life

- Patented self-centering shaft coupling
- All metal housing
- Manual override
- Two torque ranges available
- UL, CE and cUL listed



Order #	Mfg. #	Torque	Control Signal	Includes	Each
Plenum Rated					
L49-083	GBB131.1P	221 lb-in	Floating	Installation Hardware	**445.00**
L49-085	GBB161.1P	221 lb-in	0 to 10VDC	Installation Hardware	**619.00**
L49-102	GIB161.1P	310 lb-in	0 to 10VDC	Installation Hardware	**855.00**
Standard Rated					
L49-084	GBB131.1U	221 lb-in	Floating	Installation Hardware	**425.00**
L49-101	GIB131.1U	310 lb-in	Floating	Installation Hardware	**579.00**
L49-086	GBB161.1U	221 lb-in	0 to 10VDC	Installation Hardware	**599.00**
L49-103	GIB161.1U	310 lb-in	0 to 10VDC	Installation Hardware	**835.00**

Direct Coupled Actuators – Spring Return

SIEMENS
Ingenuity for life

- Patented self-centering shaft coupling
- Brushless DC motor technology with stall protection
- Bi-directional fail-safe spring return
- All metal housing
- Manual override
- CE, UL60730, and cUL (C22.2 No. 24-93) listed



Order #	Mfg. #	Torque	Control Signal	Includes	Each
Plenum Rated					
L49-087	GCA121.1P	160 lb-in	2-position	Installation Hardware	**675.00**
L49-088	GCA131.1P	160 lb-in	Floating	Installation Hardware	**829.00**
L49-090	GCA161.1P	160 lb-in	0 to 10Vdc	Installation Hardware	**845.00**
Standard Rated					
L49-089	GCA131.1U	160 lb-in	Floating	Installation Hardware	**805.00**
L49-091	GCA161.1U	160 lb-in	0 to 10Vdc	Installation Hardware	**825.00**
L49-092	GCA221.1U	160 lb-in	2-position	Installation Hardware	**749.00**

SIEMENS
Ingenuity for life



Direct Coupled Actuators – Non-Spring Return

- Designed for VAV applications
- Compact, lightweight design
- Manual override
- Feedback potentiometer models available
- cUL and UL listed, CE certified

Order #	Mfg. #	Torque	Control Signal	Includes	Each
Plenum Rated					
L49-093	GDE131.1P	44 lb-in	Floating	Installation Hardware	**205.00**
L49-095	GDE161.1P	44 lb-in	0 to 10VDC	Installation Hardware	**339.00**
Standard Rated					
L49-094	GDE131.1U	44 lb-in	Floating	Installation Hardware	**195.00**

SIEMENS
Ingenuity for life

Direct Coupled Actuators – Non-Spring Return

- Patented self-centering shaft coupling
- Brushless motor technology
- Models available with dual independently adjustable auxiliary switches
- All metal housing
- Manual override
- UL60730 (to replace UL873) and cUL (C22.2
- No. 24-93) listed, certification
- Small actuator footprint with 132 lb-in (16 Nm) of torque



A



B

Fig.	Order #	Mfg. #	Torque	Control Signal	Includes	Each
Plenum Rated						
A	**L49-096**	GEB131.1P	132 lb-in	Floating	Installation Hardware	**379.00**
Standard Rated						
B	**L49-097**	GEB131.1U	132 lb-in	Floating	Installation Hardware	**365.00**

SIEMENS
Ingenuity for life



Direct Coupled Actuator – Spring Return – Fire and Smoke

- High temperature rated drive system
- Reversible fail-safe spring return
- All metal housing
- Teflon® insulated lead wires
- Mechanical range adjustment
- Multiple shaft couplings available; will accommodate up to 1.05-inch shafts
- Fifteen second nominal open time; 15-second nominal spring return time
- Fixed dual end switches models available: 5° and 85°

Fig.	Order #	Mfg. #	Torque	Control Signal	Includes	Each
Standard Rated						
	L49-100	GGD226.1U	142 lb-in	2-position	Installation Hardware	**639.00**

SIEMENS
Ingenuity for life



Direct Coupled Actuators – Spring Return

- Patented self-centering shaft coupling
- Brushless DC motor technology with stall protection
- Bi-directional fail-safe spring return
- Models available with dual, independently adjustable auxiliary switches
- Manual override
- Available in 62 lb-in torque
- UL and cUL listed, CE certified
- 24 Vac/dc compatible

Order #	Mfg. #	Torque	Control Signal	Includes	Each
Plenum Rated					
L49-104	GMA121.1P	62 lb-in	2-position	Installation Hardware	**459.00**
L49-105	GMA131.1P	62 lb-in	Floating	Installation Hardware	**529.00**
Standard Rated					
L49-106	GMA131.1U	62 lb-in	Floating	Installation Hardware	**515.00**
L49-107	GMA161.1U	62 lb-in	0 to 10Vdc	Installation Hardware	**619.00**

SIEMENS
Ingenuity for life



Direct Coupled Actuators – Spring Return – Fire and Smoke

- Optional built-in auxiliary switches: Fixed switch points at 5° and 85° rotation
- Optional built-in Electronic Fusible Link (EFL) capability with three temperature ratings; 165°F, 250°F, 350°F
- Reversible fail-safe spring return
- All metal housing
- Precabled Teflon®insulated lead wires
- Fifteen second operation at rated torque, temperature, and voltage

Order #	Mfg. #	Torque	Control Signal	Includes	Each
Standard Rated					
L49-108	GND121.1U	53 lb-in	2-position	Installation Hardware	**335.00**
L49-109	GND126.1U	53 lb-in	2-position	Installation Hardware	**405.00**

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Direct Coupled Actuators – Spring Return

SIEMENS
Ingenuity for life

- Plenum-rated models available
- Optional built-in auxiliary switches with fixed switch points at 5° and 85° rotation
- Fast run time
- Signal inversion capability on modulating types (2 to 10 VDC or 10 to 2 VDC)
- UL and cUL listed, CE certified
- Compact footprint
- Low-voltage models are 24 VAC/DC compatible
- 120 VAC model with 1/2" NPT conduit connection



Order #	Mfg. #	Torque	Control Signal	Includes	Each
Plenum Rated					
L49-110	GQD121.1P	20 lb-in	2-position	Installation Hardware	**345.00**
L49-111	GQD126.1P	20 lb-in	2-position	Installation Hardware	**475.00**
L49-112	GQD131.1P	20 lb-in	Floating	Installation Hardware	**439.00**
L49-113	GQD156.1P	20 lb-in	2...10 VDC	Installation Hardware	**625.00**

Electronic Actuators – Spring Return and Non-Spring Return

SIEMENS
Ingenuity for life

- Proportional or floating (3P) control
- Direct-coupled installation
- Visual and electronic stroke indication
- Manual override
- 180 lb. (800 N) nominal force
- Automatic calibration (SAX61.03U only)
- Electro-mechanical switches protect components from overload and stall condition
- Maintenance-free
- Standard rated



A



B



C



D

Fig.	Order #	Mfg. #	Torque	Control Signal	Each
Non-Spring Return					
A	**L49-114**	SAS61.03U	90 lb-in	0-10v	**515.00**
C	**L49-116**	SAS81.03U	90 lb-in	3-Position	**485.00**

Fig.	Order #	Mfg. #	Torque	Control Signal	Each
Spring Return					
B	**L49-115**	SAS61.33U	90 lb-in	0-10v	**715.00**
D	**L49-117**	SAS81.33U	90 lb-in	3-Position	**705.00**

SmartX® Direct Coupled Actuators

Schneider Electric

- For damper and valve control applications
- Shaft coupling easily mounts to round or square damper shafts
- Advanced motor torque overload protection
- Visual position indicator
- Equipped with manual override (except **L40-452**, **L40-453** and **L40-458**)
- **L40-459** converts a 4 to 20mA signal to a 2 to 10VDC signal; use with **L40-447**, **L40-449**, **L40-451**, **L40-455** and **L40-457**



Order #	Mfg. #	Type	Torque	Control Signal
L40-445	MF41-6043	Non-Spring Return	35 lb-in	Floating 24VAC/VDC
L40-446	MS41-6043	Non-Spring Return	35 lb-in	Proportional 0 to 10VDC
L40-447	MS41-6083-502	Non-Spring Return	70 lb-in	Proportional 0 to 10VDC or 4 to 20mA
L40-448	MF41-6153	Non-Spring Return	133 lb-in	Floating 24VAC/VDC
L40-449	MS41-6153	Non-Spring Return	133 lb-in	Proportional 0(2) to 10VDC or 4 to 20mA
L40-450	MF41-6343	Non-Spring Return	300 lb-in	Floating 24VAC/VDC
L40-451	MS41-6343	Non-Spring Return	300 lb-in	Proportional 2 to 10VDC or 4 to 20mA
L40-452	MF40-7043	Spring Return	35 lb-in	Floating 24VAC/VDC
L40-453	MA40-7043	Spring Return	35 lb-in	On/Off 24VAC/VDC
L40-454	MA41-7073	Spring Return	60 lb-in	On/Off 24VAC/VDC
L40-455	MS41-7073	Spring Return	60 lb-in	Proportional 2 to 10VDC or 4 to 20mA
L40-456	MA41-7153	Spring Return	133 lb-in	On/Off 24VAC/VDC
L40-457	MS41-7153	Spring Return	133 lb-in	Proportional 2 to 10VDC or 4 to 20mA
L40-458	MA40-7173	Spring Return	150 lb-in	On/Off 24VAC/VDC
L40-459	AM-708	500 Ohm Resistor	—	—

Two-Way Ball Valves



- Designed to regulate the flow of hot or chilled water, 50/50 glycol solution and low-pressure steam in HVAC applications
- Amodel® flow characterization disk allows for accurate control and eliminates the need for pipe reducers
- Used with M9000 series actuators and linkage kits
- Compact size allows for installation in tight-fit locations
- Maintenance-free design; no packing or rebuilding necessary
- Equal percentage flow characteristic
- NPT connections; also available in sweat and press connected

Specifications:

- Fluid temperature range: brass trim: 23°F to 203°F water; stainless steel trim: 23°F to 250°F water and 15 PSIG at 250°F steam
- Maximum closeoff pressure: 200 PSIG
- Rangeability: 500:1

Order #	Mfg. #	Conn. Size	Cv	Ball/Stem Material
L41-766	VG1241AD	1/2" NPT	1.2	Brass
L41-767	VG1245AD	1/2" NPT	1.2	Stainless Steel
L40-364	VG1241AE	1/2" NPT	1.9	Brass
L40-378	VG1245AE	1/2" NPT	1.9	Stainless Steel
L41-768	VG1241AF	1/2" NPT	2.9	Brass
L41-769	VG1245AF	1/2" NPT	2.9	Stainless Steel
L40-365	VG1241AG	1/2" NPT	4.7	Brass
L40-379	VG1245AG	1/2" NPT	4.7	Stainless Steel
L41-770	VG1241AL	1/2" NPT	7.4	Brass
L49-025	VG1245AL	1/2" NPT	7.4	Stainless Steel
L49-026	VG1245AN	1/2" NPT	11.7	Stainless Steel
L41-771	VG1241BG	3/4" NPT	4.7	Brass
L49-027	VG1245BG	3/4" NPT	4.7	Stainless Steel
L40-366	VG1241BL	3/4" NPT	7.4	Brass
L40-380	VG1245BL	3/4" NPT	7.4	Stainless Steel
L41-772	VG1241BN	3/4" NPT	11.7	Brass
L49-028	VG1245BN	3/4" NPT	11.7	Stainless Steel

Order #	Mfg. #	Conn. Size	Cv	Ball/Stem Material
L49-029	VG1245CL	1" NPT	7.4	Stainless Steel
L40-367	VG1241CN	1" NPT	11.7	Brass
L40-381	VG1245CN	1" NPT	11.7	Stainless Steel
L49-030	VG1245CP	1" NPT	18.7	Stainless Steel
L49-031	VG1245DN	1-1/4" NPT	11.7	Stainless Steel
L40-368	VG1241DP	1-1/4" NPT	18.7	Brass
L40-382	VG1245DP	1-1/4" NPT	18.7	Stainless Steel
L49-032	VG1245DR	1-1/4" NPT	29.2	Stainless Steel
L49-033	VG1245EP	1-1/2" NPT	18.7	Stainless Steel
L40-369	VG1241ER	1-1/2" NPT	29.2	Brass
L40-383	VG1245ER	1-1/2" NPT	29.2	Stainless Steel
L49-034	VG1245ES	1-1/2" NPT	46.8	Stainless Steel
L49-035	VG1245FR	2" NPT	29.2	Stainless Steel
L40-370	VG1241FS	2" NPT	46.8	Brass
L40-384	VG1245FS	2" NPT	46.8	Stainless Steel
L49-036	VG1245FT	2" NPT	73.7	Stainless Steel

Three-Way Ball Valves



- Designed to regulate the flow of hot or chilled water, 50/50 glycol solution and low-pressure steam in HVAC applications
- Amodel® flow characterization disk allows for accurate control and eliminates the need for pipe reducers
- Forged brass body, dual EPDM stem seals and 15% graphite-filled PTFE ball seats for leak-free operation
- Used with M9000 series actuators and linkage kits
- Maintenance-free design; no packing or rebuilding necessary
- Equal percentage flow characteristic (in-line port); linear flow characteristic (angle-port)
- NPT connections; also available in sweat and press connected

Specifications:

- Fluid temperature range: Brass trim: 23°F to 203°F water; stainless steel trim: 23°F to 250°F water and 15 PSIG at 250°F steam
- Maximum closeoff pressure: 200 PSIG
- Rangeability: 500:1

Order #	Mfg. #	Conn. Size	Cv	Ball/Stem Material
L41-773	VG1841AD	1/2"	1.2/0.7	Brass
L41-774	VG1845AD	1/2"	1.2/0.7	Stainless Steel
L40-371	VG1841AE	1/2"	1.9/1.2	Brass
L40-385	VG1845AE	1/2"	1.9/1.2	Stainless Steel
L41-775	VG1841AF	1/2"	2.9/1.9	Brass
L49-037	VG1841AF	1/2"	2.9/1.9	Stainless Steel
L40-372	VG1841AG	1/2"	4.7/2.9	Brass
L40-386	VG1845AG	1/2"	4.7/2.9	Stainless Steel
L49-038	VG1845AL	1/2"	7.4/4.7	Stainless Steel
L49-039	VG1845AN	1/2"	11.7/5.8	Stainless Steel
L41-776	VG1841BG	3/4"	4.7/2.9	Brass
L49-040	VG1845BG	3/4"	4.7/2.9	Stainless Steel
L40-373	VG1841BL	3/4"	7.4/4.7	Brass
L40-387	VG1845BL	3/4"	7.4/4.7	Stainless Steel
L49-041	VG1845BN	3/4"	11.7/5.8	Stainless Steel
L49-042	VG1845CL	1"	7.4/4.7	Stainless Steel

Order #	Mfg. #	Conn. Size	Cv	Ball/Stem Material
L40-374	VG1841CN	1"	11.7/7.4	Brass
L40-388	VG1845CN	1"	11.7/7.4	Stainless Steel
L49-043	VG1845CP	1"	18.7/9.4	Stainless Steel
L49-044	VG1845DN	1-1/4"	11.7/7.4	Stainless Steel
L40-375	VG1841DP	1-1/4"	18.7/11.7	Brass
L40-389	VG1845DP	1-1/4"	18.7/11.7	Stainless Steel
L49-045	VG1845DR	1-1/4"	29.2/14.6	Stainless Steel
L49-046	VG1845EP	1-1/2"	18.7/11.7	Stainless Steel
L40-376	VG1841ER	1-1/2"	29.2/18.7	Brass
L40-390	VG1845ER	1-1/2"	29.2/18.7	Stainless Steel
L49-047	VG1845ES	1-1/2"	46.8/29.2	Stainless Steel
L49-048	VG1845FR	2"	29.2/18.7	Stainless Steel
L40-377	VG1841FS	2"	46.8/29.2	Brass
L40-391	VG1845FS	2"	46.8/29.2	Stainless Steel
L49-049	VG1845FT	2"	73.7/36.8	Stainless Steel

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Valve Actuators

- For use with VG1000 series ball valves
- Single screw, direct mounting
- Reversible mounting design simplifies set-up of valve spring return position
- Compact design to accommodate limited-space applications



Order #	Mfg. #	Type	Torque	Control Signal
L46-279	VA9203-GGA-2Z	Spring Return	27 lb	0-10VDC/4-20mA
L41-790	VA9104-GGA-2S	Non-Spring Return	35 lb-in	Proportional 0(2) to 10VDC, 0(4) to 20mA
L46-280	VA9208-GGA-3	Spring Return	70 lb	0-10VDC/4-20mA

Valve Linkage Kits

- Used for mounting M9000 series actuators on VG1000 series ball valves
- **L46-281** ensures stable actuator mounting while preventing loading on the valve stem and stem seals
- **L46-596** provides thermal isolation and permits use of actuators on VG1000 valves with low pressure steam



A



B

Fig.	Order #	Mfg. #	Description	For Use With
A	**L46-281**	M9000-560	Ball Valve Linkage Kit	M9104, M9203, M9208 Series Electric Actuators to VG1000 Series Valves
B	**L46-596**	M9000-561	Thermal Barrier Kit	M9000-560 Ball Valve Linkage (for Low Pressure Steam)
—	**L47-339**	M9000-156	Includes: Mounting Bracket, Drive Shaft, LVR27A-602 Actuator Crankarm, Phillips Thread-Forming Screws , Self-Drilling Screws	M920X Series Actuators
—	**L47-340**	M9000-157	Includes: Mounting Bracket, Drive Shaft, LVR27A-602 Actuator Crankarm, Phillips Thread-Forming Screws , Self-Drilling Screws	M9204 Series Actuators
—	**L47-341**	M9000-158	Includes: Bottom Mounting Bracket, Top Mounting Bracket, Self-Tapping HEX Washer-Head Screw	Tandem Mount Two M9116-GGx or –HGx models; two M9124-AGx, -GGx, or –HGx; or two M9132-AGx or GGx models on a damper
—	**L47-342**	M9000-165	Includes: Mounting Bracket, Drive Shaft, LVR27A-602 Actuator Crankarm, Phillips Thread-Forming Screws , Self-Drilling Screws	M920X Series Actuators
—	**L48-997**	M9000-151	Base Mount Linkage Kit	M9000 Actuators
—	**L48-998**	M9000-270	Horizontal Remove Kit	Dampers
—	**L48-999**	M9000-400	Jackshaft Mounting Kit	Dampers
—	**L49-001**	M9000-604	Anti-Rotation Bracket	M9208 and M9210 Actuators
—	**L49-002**	M9000-605	Ball Joint Damper	Dampers
—	**L49-003**	M9104-100	Conduit Adapters	M9104 Actuators
—	**L49-004**	M9200-100	Conduit Fitting	M9000 Actuator Family
—	**L49-005**	M9208-600	Kit Gripper	M9208 Actuators
—	**L49-006**	M9208-601	Kit Gripper	M9208 Actuators
—	**L49-007**	M9208-602	Retaining Clip	M9208 Actuators
—	**L49-008**	M9208-603	Adjustable Stop Kit	M9208 Actuators
—	**L49-009**	M9220-600	Jackshaft Coupler	M9220 Actuators
—	**L49-010**	M9220-601	Gripper	M9220 Actuators
—	**L49-011**	M9220-602	Lock Clip	M9220 Actuators

Duralynx® Two-Way Ball Valve Assemblies

- For control of hot or chilled water and 50% glycol solutions
- Includes valve body, linkage, and anti-rotation clips
- Forged brass body and nickel plated ball
- Reinforced Teflon® seals with EPDM O-rings
- Equal percentage flow characteristic optimizes heat transfer and increases energy efficiency

Specifications:

- Fluid temperature range: 20°F to 250°F
- Maximum closeoff pressure: 130 PSI (1/2" and 3/4" valves), 100 PSI (1" to 3" valves)



Order #	Mfg. #	Conn. Size	Cv
L86-803	VB-2253-500-9-04	1/2"	2.6
L86-804	VB-2253-500-9-05	1/2"	4.7
L86-805	VB-2253-500-9-07	1/2"	11.7
L86-806	VB-2253-500-9-15	3/4"	4.3
L86-807	VB-2253-500-9-17	3/4"	14.7
L86-808	VB-2253-500-9-18	3/4"	28.6

Order #	Mfg. #	Conn. Size	Cv
L86-809	VB-2253-500-9-22	1"	9
L86-810	VB-2253-500-9-24	1"	26.1
L86-811	VB-2213-500-9-27	1"	54.2
L86-812	VB-2253-500-9-43	1-1/4"	14.9
L86-813	VB-2253-500-9-46	1-1/4"	102
L86-814	VB-2253-500-9-52	1-1/2"	41.3

Order #	Mfg. #	Conn. Size	Cv
L86-815	VB-2253-500-9-54	1-1/2"	171.7
L86-816	VB-2253-500-9-63	2"	71
L86-817	VB-2253-500-9-67	2"	266
L86-818	VB-2253-500-9-72	2-1/2"	55
L86-819	VB-2253-500-9-76	2-1/2"	202
L86-820	VB-2253-500-9-85	3"	145

Schneider Electric



Duralynx® Three-Way Ball Valves Assemblies

- For control of hot or chilled water and 50% glycol solutions
- Standard mixing configuration with labeled ports for easy field assembly and installation
- Includes valve body, linkage, and anti-rotation clips
- Forged brass body and nickel plated ball
- Reinforced Teflon® seals with EPDM O-rings
- Equal percentage flow characteristic optimizes heat transfer and increases energy efficiency
- NPT connections

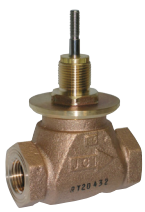
Specifications:
- Fluid temperature range: 20°F to 250°F
- Maximum closeoff pressure: 50 PSI (1/2" to 1" valves), 40 PSI (1-1/4" to 2" valves)

Order #	Mfg. #	Conn. Size	Cv
L86-821	VB-2313-500-9-03	1/2"	1
L86-822	VB-2313-500-9-05	1/2"	4.3
L86-823	VB-2313-500-9-13	3/4"	1.3
L86-824	VB-2313-500-9-15	3/4"	3.8

Order #	Mfg. #	Conn. Size	Cv
L86-825	VB-2313-500-9-16	3/4"	11
L86-826	VB-2313-500-9-27	1"	8.6
L86-827	VB-2313-500-9-30	1"	22.3
L86-828	VB-2313-500-9-46	1-1/4"	34.1

Order #	Mfg. #	Conn. Size	Cv
L86-829	VB-2313-500-9-54	1-1/2"	23.5
L86-830	VB-2313-500-9-56	1-1/2"	61
L86-831	VB-2313-500-9-63	2"	56.7

Johnson Controls



Two-Way Globe Valves

- Designed to regulate the flow of hot or chilled water, 50/50 glycol solution and steam in HVAC applications
- Complies with ANSI Class 250 pressure/temperature standard
- Used with V-3000/V-3801 series pneumatic actuators or VA715x-1001 electric actuators

Specifications:
- Ambient operating temperature range: 35°F to 150°F pneumatic actuated; 35°F to 140°F VA-7150, 35°F to 122°F M9216 electrically actuated
- Maximum pressure/temperature: 400 PSIG up to 150°F decreasing to 365 PSIG at 248°F (water); 35 PSIG at 281°F (steam)
- Rangeability: 25:1

Order #	Mfg. #	Cv	Valve Type	Conn. Size
L40-392	VG7241CT	0.73	N.O.	1/2" NPT
L40-393	VG7441CT	0.73	N.C.	1/2" NPT
L38-314	VG7241GT	4.6	N.O.	1/2" NPT
L40-397	VG7441GT	4.6	N.C.	1/2" NPT
L38-315	VG7241ET	1.8	N.O.	1/2" NPT
L40-395	VG7441ET	1.8	N.C.	1/2" NPT

Order #	Mfg. #	Cv	Valve Type	Conn. Size
L38-316	VG7241LT	7.3	N.O.	3/4" NPT
L40-399	VG7441LT	7.3	N.C.	3/4" NPT
L40-401	VG7241NT	11.6	N.O.	1" NPT
L40-402	VG7441NT	11.6	N.C.	1" NPT
L86-792	VG7241PT	18.5	N.O.	1-1/4" NPT
L86-793	VG7441PT	18.5	N.C.	1-1/4" NPT

Order #	Mfg. #	Cv	Valve Type	Conn. Size
L86-795	VG7241RT	28.9	N.O.	1-1/2" NPT
L86-796	VG7441RT	28.9	N.C.	1-1/2" NPT
L86-798	VG7241ST	46.2	N.O.	2" NPT
L86-799	VG7441ST	46.2	N.C.	2" NPT

Johnson Controls



Three-Way Globe Valves

- Designed to regulate the flow of hot or chilled water, 50/50 glycol solution and steam in HVAC applications
- Complies with ANSI Class 250 pressure/temperature standard
- Used with V-3000/V-3801 series pneumatic actuators or VA715x-1001 electric actuators

Specifications:
- Ambient operating temperature range: 35°F to 150°F pneumatic actuated; 35°F to 140°F VA-7150, 35°F to 122°F M9216 electrically actuated
- Maximum pressure/temperature: 400 PSIG up to 150°F decreasing to 365 PSIG at 248°F (water); 35 PSIG at 281°F (steam)
- Rangeability: 25:1

Order #	Mfg. #	Cv	Valve Type	Conn. Size
L40-394	VG7842CT	0.73	Mixing	1/2" NPT
L40-396	VG7842ET	1.8	Mixing	1/2" NPT
L40-398	VG7842GT	4.6	Mixing	1/2" NPT

Order #	Mfg. #	Cv	Valve Type	Conn. Size
L40-400	VG7842LT	7.3	Mixing	3/4" NPT
L40-403	VG7842NT	11.6	Mixing	1" NPT
L86-794	VG7842PT	18.5	Mixing	1-1/4" NPT

Order #	Mfg. #	Cv	Valve Type	Conn. Size
L86-797	VG7842RT	28.9	Mixing	1-1/2" NPT
L86-800	VG7842ST	46.2	Mixing	2" NPT

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Valve Actuators

- Direct coupled, no linkage required
- Controls hot water, chilled water, glycol solutions and steam
- Long life replaceable ring packing provides highest reliability and longest life
- Fluid temperature range: 35 to 284°F (2 to 140°C)
- Voltage: 24VAC, 50/60 Hz
- **L46-602** and **L46-603** include selector switches that allow field conversion from proportional control to floating or on/off control
- Control signal for On/Off
- Floating models are 24VAC/VDC
- Proportional models are 0(2) to 10VDC, 0(4) to 20mA



A



B



C

Fig.	Order #	Mfg. #	Type	Torque	Control Signal
A	**L46-597**	VA-4233-AGA-2	Spring Return	61lb	Floating
A	**L46-598**	VA-4233-BGA-2	Spring Return	61lb	On/Off
A	**L46-599**	VA-4233-GGA-2	Spring Return	61lb	Proportional
B	**L46-600**	VA7810-AGA-2	Non-Spring	180lb	On/Off (Floating)
B	**L46-601**	VA7810-HGA-2	Non-Spring	180lb	Proportional
C	**L46-602**	VA7820-HGA-2	Spring Return (Spring Up)	180lb	On/Off (Floating) and Proportional
C	**L46-603**	VA7830-HGA-2	Spring Return (Spring Down)	180lb	On/Off (Floating) and Proportional

Valve Actuator

- For use with VG7000 series globe valves
- Provides floating/incremental control of valves with up to 5/16" stroke
- Compact assembly size fits most unit vent, baseboard, and other small coil applications
- Reversible synchronous motor accurately positions valve
- Includes stem retainer, clip kit and wire nuts



Order #	Mfg. #	Type	Torque	Control Signal
L41-791	VA-8020-1	Non-Spring Return	22 lb-in	Floating/Incremental 24VAC

Two-Way Globe Valves

- Used for two-position or modulating control of water and glycol solutions (to 50% concentration) in heating or cooling systems
- 50:1 rangeability per VDI/VDE 2173

Specifications:
- Materials (body): Brass with Stainless Steel Seat and Stem
- Temperature range: 36°F to 248°F water
- Use with actuator: Q5001/Modutrol IV™ Motor; Q5020/DCA
- Maximum operating pressure: 250 PSI water



Order #	Mfg. #	Size	Cv	Dimensions
L39-903	V5011N1008	1/2"	0.73	3-1/4" W x 6-5/8" H x 1-9/16" D
L39-904	V5011N1016	1/2"	1.16	3-1/4" W x 6-5/8" H x 1-9/16" D
L39-905	V5011N1024	1/2"	1.85	3-1/4" W x 6-5/8" H x 1-9/16" D
L39-906	V5011N1032	1/2"	2.9	3-1/4" W x 6-5/8" H x 1-9/16" D
L39-907	V5011N1040	1/2"	4.7	3-1/4" W x 6-5/8" H x 1-9/16" D
L39-908	V5011N1057	3/4"	7.3	7-1/2" W x 13-1/2" H x 11" D

Order #	Mfg. #	Size	Cv	Dimensions
L39-909	V5011N1065	1"	11.7	4-1/16" W x 6-5/8" H x 1-9/16" D
L39-910	V5011N1073	1-1/4"	18.7	4-3/16" W x 7-5/16" H x 1-9/16" D
L39-911	V5011N1081	1-1/2"	29.3	4-3/4" W x 7-1/8" H x 1-13/16" D
L39-912	V5011N1099	2"	46.8	5-1/4" W x 11-5/16" H x 4-3/4" D
L47-295	V5011N2097	2"	46.8	5-1/4" W x 11-5/16" H x 4-3/4" D

Three-Way Globe Valves

- Controls hot water, cold water, and glycol solutions (up to 50 percent concentration) in heating or cooling HVAC applications
- Stainless steel stem and brass plug
- 50:1 rangeability per VDI/VDE 2173

Specifications:
- Max differential pressure: 230 PSI
- Temperature range: 36°F to 248°F Water
- Use with actuator: Q5001/Modutrol IV™ Motor; Q5020/DCA, MP953 Pneumatic Series and ML Electric Series
- Maximum operating pressure: 250 PSI water



Order #	Mfg. #	Description	Size	Cv	Valve Type	Dimensions
L39-913	V5013N1030	Red Brass	1/2"	2.9	Stainless Steel	3-1/4" W x 8-5/16" H x 1-9/16" D
L39-914	V5013N1048	Stainless Steel	1/2"	4.7	Stainless Steel	3-1/4" W x 8-5/16" H x 1-9/16" D
L39-915	V5013N1055	Red Brass	3/4"	7.3	Stainless Steel	3-1/4" W x 7-5/16" H x 1-9/16" D
L39-916	V5013N1063	Red Brass	1"	11.7	Stainless Steel	4-1/16" W x 7-5/16" H x 1-9/16" D
L39-917	V5013N1071	Red Brass	1-1/4"	18.7	Stainless Steel	4-3/16" W x 7-5/16" H x 1-9/16" D
L39-918	V5013N1089	Red Brass	1-1/2"	29	Stainless Steel	4-3/4" W x 7-13/16" H x 1-13/16" D
L39-919	V5013N1097	Red Brass	2"	46.8	Stainless Steel	5-1/4" W x 7-13/16" H x 1-13/16" D

Honeywell



Three-way Flanged Globe Valve

- Provides proportional or two-position control of hot or chilled water in closed loop heating or cooling systems
- Not suitable for combustible gases
- Constant total flow though full plug travel

Order #	Mfg. #	Cv	Conn. Size	Spring Range	Each
L81-444	V5013B1003	63	2.5" Flanged	150 PSI	**10500.00**

Honeywell



Two-Way Cartridge Globe Valves

- Control hot and/or chilled water for VAV terminal units, fan coil units, small reheaters and recoolers in electric/electronic temperature control systems
- Valve inserts are changeable without draining valve
- Brass body and stainless steel stem

Specifications:
- Temperature range: 36°F to 230°F
- Maximum operating pressure: 230 PSIG

Order #	Mfg. #	Cv	Conn. Size	Dimensions
L39-984	V5852A2023	0.47	1/2" Sweat	3/4" W x 2-89/96" H x 3" D
L39-985	V5852A2049	1.2	1/2" Sweat	3/4" W x 2-89/96" H x 3" D
L39-986	V5852A2056	1.9	1/2" Sweat	3/4" W x 2-89/96" H x 3" D
L39-987	V5852A2072	4.9	3/4" Sweat	1" W x 2-15/32" H x 3-3/4" D
L39-990	V5862A2021	0.47	1/2" NPT	3/4" W x 2-89/96" H x 3" D
L39-991	V5862A2047	1.2	1/2" NPT	3/4" W x 2-89/96" H x 3" D
L39-992	V5862A2054	1.9	1/2" NPT	3/4" W x 2-89/96" H x 3" D
L39-993	V5862A2070	4.9	3/4" NPT	1" W x 2-15/32" H x 3-3/4" D

resideo



A



B

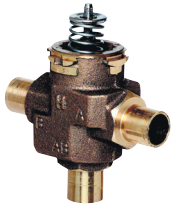
Two-Way Cartridge Cage Valves

- Controls the flow of hot water, cold water or glycol solutions (up to 50% concentration)
- Designed for on-off “zone” control of heating/cooling systems, or to control individual fan coil, baseboard radiator or convector applications
- Depending on the model selected they can be controlled by either a low or line voltage SPST or SPDT controller, like a room thermostat, aquastat or flow switch

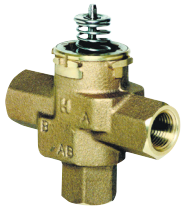
Specifications:
- Flow characteristic: Linear
- Temperature range: 36°F to 230°F

Fig.	Order #	Mfg. #	Conn. Size	Max. Pressure	Cv
A	**L40-121**	VCZAA1100	1/2" Sweat	300 PSI	3.5
B	**L40-122**	VCZBB1100	1/2" NPT	300 PSI	3.5
—	**L40-125**	VCZZ1100	Replacement Cartridge (2-Way Valves)	—	—

resideo



A



B

Three-Way Cartridge Cage Valves

- Controls the flow of hot water, cold water or glycol solutions (up to 50% concentration)
- Valves can be piped for either diverting or mixing applications in heating and/or cooling systems, or for individual fan coil, radiator or convector applications
- Bronze body with stainless steel stem

Specifications:
- Flow characteristic: linear
- Fluid temperature range: 34°F to 203°F
- Ambient temperature range: 32°F to 150°F

Fig.	Order #	Mfg. #	Conn. Size	Max. Pressure	Cv
A	**L40-123**	VCZMA6100	1/2" Sweat	300 PSI	3.8
B	**L40-124**	VCZNB6100	1/2" NPT	300 PSI	3.7

Honeywell Home



VC Series Actuators

- Use with VC series valves to control central heating/cooling systems, fan coil systems, radiators and convectors
- Actuator head installations do not require draining the system
- Ambient temperature range: 32°F to 150°F

Order #	Mfg. #	Control Signal	Volts	Power Consumption	Includes
L40-115	VC2114ZZ11	On/Off, SPDT	24	6VA	3/8" Flex Conduit Adapter
L40-116	VC4011ZZ11	On/Off, SPST	120	6VA	—
L40-117	VC6934ZZ11	Floating, SP3T	24	6VA	3/8" Flex Conduit Adapter
L40-118	VC7934ZZ11	2 to 10VDC	24	6VA	3/8" Flex Conduit Adapter w/Plenum Rated Cables
L40-119	VC8114ZZ11	On/Off, SPST	24	6VA	3/8" Flex Conduit Adapter w/Plenum Rated Cables
L40-120	VC8714ZZ11	On/Off, SPST	24	6VA	Auxiliary Switch, 3/8" Flex Conduit Adapter w/Plenum Rated Cables
L47-429	VCZZ6100	—	—	—	—

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Three-Way Cartridge Globe Valves

Honeywell

- Control hot and/or chilled water for VAV terminal units, fan coil units, small reheaters and recoolers in electric/electronic temperature control systems
- Used with the M6410 Small Individual Room Controller (IRC) 3-position floating Electronic Linear Valve Actuator, M7410 selectable 0 to 10VDC or 2 to 10VDC Electronic Actuator, or MP958 Pneumatic Valve Actuator
- Valve inserts are changeable without draining valve when used with the insert replacement tool
- Threaded plastic cover/manual handle allows manual operation
- Easily installed in areas where space is limited
- Brass body and stainless steel stem

Specifications:

- Flow characteristic: equal percentage (A-AB), linear (B-AB)
- Leakage rate: less than 0.02% of Cv
- Temperature range: 36°F to 230°F
- Maximum operating pressure: 230 PSIG



Order #	Mfg. #	Conn. Size	Cv
L39-988	V5853A2048	1/2" Sweat	1.9
L39-989	V5853A2063	3/4" Sweat	4.9

Order #	Mfg. #	Conn. Size	Cv
L39-994	V5863A2046	1/2" NPT	1.9
L39-995	V5863A2061	3/4" NPT	4.9

Valve Actuators

Honeywell

- Small electric actuators provide floating or modulating individual room control (IRC) of V5852, V5862 two-way or V5853, V5863 three-way cartridge globe valves
- Magnetic coupling for torque limitation independent of voltage supply and self-adjustment of the closeoff port
- Includes conduit connector
- **L39-863** includes direct/reverse acting switch

Specifications:

- Voltage: 24VAC, 50/60 Hz
- Stroke: 1/4"
- Timing: 125 Sec. (at 60 Hz)
- Fail safe mode: non-spring return
- Ambient temperature range : 32°F to 140°F
- Torque/force: 40.5 lb.
- Dimensions: 3-7/16" H x 1-15/16" W x 2-3/8" D



Order #	Mfg. #	Control Signal	Power Consumption	For Use With	Each
L39-860	M6410A1029	SPDT Floating Control	0.7VA	Floating or SPDT Controllers	**325.00**
L39-863	M7410F1000	Modulating Control; or Reverse	1.4VA	0/2 to 10VDC Proportional Controllers	**509.00**

Valve Actuators

Honeywell

- Allows the use of one common transformer power supply for multiple actuators and controllers
- Self-contained, motorized valve linkage
- Linkage self-adjusts to valve stroke from 12 to 25 mm (1/2 - 1")
- Multi-pose mounting
- Strong valve seat closing force 160 lbf (710 N)
- Compact size for easy installation in confined area



Order #	Mfg. #	Type	Torque	Control Signal	Power Consumption	For Use With	Each
L46-220	ML7984A4009	Non-Spring Return Direct-Coupled	160 lbf	SuperMod	6 VA	V5011/13, VGF21, and VGF22 up to 3 in.; V5045 w/ 272629A	**925.00**
L46-221	ML6984A4000	Non-Spring Return Direct-Coupled	160 lbf	SPDT, Two position, Floating	6 VA	V5011/13, VGF21, and VGF22 up to 3 in.; V5045 w/ 272629A	**769.00**
L46-222	272630D	Direct Coupled Valve Actuator Accessory	—	—	—	ML6984/ML7984 Series 4000 and higher (ML6984 in 5-wire mode only)	**719.00**



Honeywell

Valve Linkage Kits



- Q5024 Series globe valve linkages connect a Honeywell direct coupled actuator (DCA) to a steam or water globe valve
- Q5024 Series linkages are compatible with 2- and 3-way globe valves
- Used with 2-way and 3-way globe valves in modulating or two-position service
- Quick and simple installation with no disassembly required
- Heavy-duty steel rack and pinion construction and aluminum die-cast housing
- Maintenance-free construction
- Flexible actuator mounting orientation
- Adjustable manual override lever and valve position indicator
- Available for 1/2" through 6" globe valves made by most manufacturers
- Used with Honeywell MS and MN Spring and Non-Spring Actuators

Order #	Mfg. #	Description	For Use With	Each
L47-890	Q5024A1116	Linkage for 0.63"/16mm Valve Stroke	MS and MN Spring and Non-Spring Actuators, 2-Way and 3-Way Globe Valves in Modulating or Two-Position Service	**705.00**
L47-891	Q5024A1123	Linkage for 0.91"/23mm Valve Stroke	MS and MN Spring and Non-Spring Actuators, 2-Way and 3-Way Globe Valves in Modulating or Two-Position Service	**715.00**
L47-892	Q5024A1130	Linkage for 1.18"/30mm Valve Stroke	MS and MN Spring and Non-Spring Actuators, 2-Way and 3-Way Globe Valves in Modulating or Two-Position Service	**939.00**
L47-893	Q5024B2230	Double Linkage for 1.18/30mm Valve Stroke	MS and MN Spring and Non-Spring Actuators, 2-Way and 3-Way Globe Valves in Modulating or Two-Position Service	**1099.00**
L47-894	Q5024B2240	Double Linkage for 1.57"/40mm Valve Stroke	MS and MN Spring and Non-Spring Actuators, 2-Way and 3-Way Globe Valves in Modulating or Two-Position Service	**1199.00**

Honeywell

Modutrol IV Motors



- Auxiliary shaft has same torque and dead weight rating as power end shaft — the auxiliary shaft of a normally closed motor can be used for valve or damper linkages in a normally open application
- Wiring box provides protection from driving rain (rated NEMA-3)
- Reduced power consumption may allow smaller transformer use
- Configurable to replace many previous motors
- Double ended shafts; 3/8" square, ambient temperature ratings of -40°F to +150°F
- Motors are non-spring-return unless otherwise noted
- **L39-855** and **L39-857**: Two-position, spring-return motor used to operate dampers and valves; integral helical spring returns motor shaft to fully closed position on power interruption; one auxiliary switch
- **L86-163**: Reversing, three-wire SPDT or floating control motor used to operate dampers and valves; adjustable stroke
- **L86-919**: Proportional motor used to operate dampers and valves when used with a modulating DC voltage source
- **L39-861**: Proportional motor used to operate dampers and valves when used with a modulating 4-20mA control signal
- **L39-862**: Proportional motor used to operate dampers and valves when used with a modulating 4-20mA control signal; includes two auxiliary switches
- **L86-164**: Two-position, spring-return motor used to operate dampers and valves; integral helical spring returns motor shaft to fully closed position on power interruption
- **L86-165**, **L39-870**, **L39-871**, **L86-166**, **L86-167**, **L39-874** and **L86-168**: Reversing, proportional motor used to operate dampers and valves
- **L39-870**: Includes one auxiliary switch
- **L39-871**: Includes two auxiliary switches
- **L86-167**: Both power and auxiliary shafts are tapped
- **L39-874** and **L86-168**: Integral helical spring returns motor shaft to fully closed position on power interruption

Order #	Mfg. #	Replaces	Time Range	Torque	Volts	Watts	VA Rating	Stroke Degrees	Each
L39-855	M4185B1009	M445A, D	30 to 60 Sec.	60	120	25	20	90 to 160	**2699.00**
L39-857	M4185B1058	M445A, D	30 to 60 Sec.	60	24/120/230	25	20	90 to 160	**2899.00**
L86-163	M6184D1035	M644A-E	30 to 60 Sec.	150	24	15	15	90 to 160	**2299.00**
B84-349	M6284D1032-F	M62841000	30 to 60 Sec.	150	24	16	15	90 to 160	**2145.00**
L39-859	M6284D1000S	M944B, E, G, S	30 to 60 Sec.	150	24	15	15	90 to 160	**2299.00**
L86-919	M7164A1017	M734H,J	30 to 60 Sec.	35	24/120/230	14	10	90 to 160	**2399.00**
L39-861	M7284A1004	—	30 to 60 Sec.	150	120	23	15	90 to 160	**2499.00**
L39-862	M7284C1000	—	30 to 60 Sec.	150	120	23	15	90 to 160	**2645.00**
L86-164	M8185D1006	M445A, D; M845A, C, E; M865B	30 to 60 Sec.	60	24	20	20	90 to 160	**2799.00**
L86-165	M9164D1009	M934	30 to 60 Sec.	35	24	14	10	90 to 160	**1545.00**
L39-870	M9174B1027	M934	30 to 60 Sec.	75	120	21	12	90 to 160	**2845.00**
L39-871	M9174C1025	M934	30 to 60 Sec.	75	120	21	12	90 to 160	**2999.00**
L86-166	M9174D1007	M934	30 to 60 Sec.	75	24	21	12	90 to 160	**2045.00**
L86-167	M9184D1021	M944A, C, D; M954	30 to 60 Sec.	150	24	18	15	90 to 160	**2999.00**
L39-874	M9185A1018	M954A, D, F; M955	30 to 60 Sec.	60	24	23	20	90 to 160	**2899.00**
L86-168	M9185D1004	M954A, D, F; M955	30 to 60 Sec.	60	24	23	20	90 to 160	**2945.00**

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Modutrol IV Hardware

Honeywell

Order #	Mfg. #	Description	Each
L37-650	107324A	Capillary Holder	**89.00**
L37-652	27518	Ball Joint for Damper Linkage	**75.00**
L86-184	27520L	Damper Push Rod, 48"	**95.00**
L37-654	221455A	Short, Infinitely Adjustable Crank Arm	**225.00**
L37-655	4074ELY	Long, Infinitely Adjustable Crank Arm	**119.00**
L37-656	26025B	Damper Crank Arm	**125.00**
L37-657	26026G	4-5/8" Damper Crank Arm for 1/2" Shaft	**155.00**
L37-658	7616BR	Adjustable Crank Arm	**89.00**
L40-045	S963B1128	Manual Potentiometer	**1299.00**

Damper Linkages

Honeywell

- Connects Modutrol motors to standard dampers
- Adjustable to any degree of damper opening

Order #	Mfg. #	Includes	Each
L39-891	Q605A1070	Motor Bracket, Damper Arm, Motor Crankarm & 2 Ball Joints	**265.00**
L37-274	Q605D1069	Motor Bracket, 3 Damper Arms, Motor Crankarm, 4 Ball Joints, Left Hand Drive Ear & Crankarm Adapter	**1545.00**

Modutrol Motor/Valve Linkages

Honeywell

- Connect Honeywell Modutrol III or IV motor to 2 or 3-way valve in modulating or two-position service
- For use with Honeywell V5011 and V5013 water and steam valves having a fixed 3/4" lift (stem travel) and 1-3/8" bonnet
- Q5001D switch replaces all Q618A or Q601 J, K, L and M linkages
- For use with M6184D, M9184D, M8185D, M9164D, M9174D, M9185D



Order #	Mfg. #	Description	Each
L37-275	Q5001D1018	Stem force 160–320 lbs.	**2599.00**
L37-276	Q5001D1000	Stem force: 80–160 lbs.	**2299.00**

Interface Modules

Honeywell

- For converting series 90 Modutrol IV control
- Includes reversing switch
- **L86-667** adapts 90 series motor to function as M71XX model
- **L39-971** adapts 90 series motor to function as M72XX model
- Control signal 4 to 7, 6 to 9 or 10.5 to 13.5VDC for **L86-667**
- Adjustable zero and span, voltage or current (2 to 10VDC or 4 to 20 mA) for **L39-971**

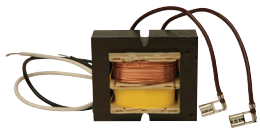


Order #	Mfg. #	Each
L86-667	Q7130A1006	**585.00**
L39-971	Q7230A1005	**539.00**

Internal Transformers

Honeywell

- Converts line voltage to 24VAC for powering Modutrol® Motors
- **L40-757** provides 24VAC isolation

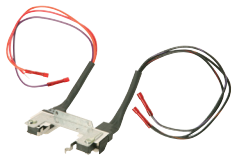


Order #	Mfg. #	Primary Voltage	Each
L40-757	198162JA	24	**215.00**
L40-759	198162GA	220	**215.00**
L37-646	198162AA	120/208/240 (selectable)	**319.00**

Internal Auxiliary Switch Kit

Honeywell

- Controls auxiliary equipment as a function of motor shaft position in Honeywell Modutrol motors
- Includes two microswitch V3 precision switches



Order #	Mfg. #	Each
L37-647	220736B	**605.00**

Honeywell



Commercial ZonePRO Modulating Thermostats

- Modulating (TB6980), floating (TB7980) or standalone control for VAV zones
- Can be used in any application requiring floating or analog control of an actuator
- Energy saving features include night setback input, range stop temperature limits and timed occupancy override
- Range stop temperature limits for setting maximum and minimum setpoints
- Timed occupancy override (2 hours)
- Single and multi-output models available

Specifications:

- Power supply: 24V
- Auto changeover deadband: 9ºF
- Temperature range: 50º F to 95º F
- Dimensions: 2.7" W x 4.6" H x 1" D

Order #	Mfg. #	System Application	Power Method	Color	Output Signal	Each
L41-702	TB6980A1007	Heat/Cool Zone control	Hardwired	White	Floating	**519.00**
L41-703	TB6980B1006	Heat/Cool Zone control	Hardwired	White	Floating plus Analog and Triac output	**639.00**
L41-704	TB7980A1006	Heat/Cool Zone control	Hardwired	White	Analog	**595.00**
L41-705	TB7980B1005	Heat/Cool Zone control	Hardwired	White	Analog plus Additional Analog and Triac	**775.00**

Honeywell



Proportional Remote Bulb Temperature Controls

- Provides proportional control of water or air temperature
- Controls Series 90 Modutrol motors only
- Includes 1/2" diameter copper bulb with copper capillary
- Fast response models (for duct mounting) have coiled sensing element giving at least four times faster response than standard models
- Ambient temperature compensated for the case and tubing
- Sensing element capillary tubing allows remote mounting of sensing element
- Setpoint may be read and adjusted through cover
- Throttling dial inside case adjusts proportional throttling range
- **L40-091** and **L37-649** include #107324A duct bulb holder
- **L40-760** has 3/8" diameter, 5-1/2" insertion
- 135 Ohm potentiometer

Order #	Mfg. #	Sensing Element	Temp. Range	Max. Operating Temp.	Each
L40-088	T991A1012	20'	Set Point Range 0°F to 100°F Throttling Range 3°F to 30°F	125°F	**1945.00**
L40-089	T991A1061	5'	Set Point Range 160°F to 260°F Throttling Range 3°F to 30°F	280°F	**1745.00**
L40-090	T991A1194	20'	Set Point Range 55°F to 175°F Throttling Range 3.5°F to 36°F	200°F	**1899.00**
L40-091	T991A1244	5'	Set Point Range 55°F to 175°F Throttling Range 3.5°F to 36°F	200°F	**1599.00**
L37-649	T991A1426	5'	Set Point Range 0°F to 100°F Throttling Range 3°F to 30°F	125°F	**1599.00**
L40-760	112630AA	—	Well Assembly - 4 1/4" Insertion, 1/2" Diameter Copper	—	**225.00**

Johnson Controls









Commercial Dampers

Fire Dampers

- Available in curtain and multi-blade styles
- Blades shut when fusible link reaches 165°F, 212°F or 285°F (depending on model) to prevent the spread of fire
- Available in sizes 8” to 150” wide by 8” to 96” high and round in 6” to 24” diameter

Smoke Dampers

- Class I and Class II two-position operation to restrict the flow of smoke
- Class I modulating operation for smoke and volume control
- Used with factory-installed electric or pneumatic actuators
- Available in sizes 8” to 120” wide by 6” to 96” high and round in 6” to 24” diameter
- Built to perform beyond UL standards an building code requirements

Fire/Smoke Combination Dampers

- Class I and Class II two-position operation to prevent the spread of fifire and smoke
- Class I modulating operation for volume, smoke and fifire applications
- Used with factory-installed electric or pneumatic actuators
- Available in sizes 8” to 120” wide by 7” to 96” high and round in 6” to 24” diameter
- Built to perform beyond UL standards and building code requirements

Round Dampers

- Offered with seals for use as a control damper and without seals for use as a balancing damper
- Optional factory-installed electric or pneumatic actuators (some models)
- Available in sizes 4” to 22” diameter

Volume Control Dampers

- Offered in three performance levels, galvanized
- Aluminum, 304 stainless steel and thermal isolated options
- Optional factory-installed electric or pneumatic actuators
- Available in sizes 8” to 192” wide by 6” to 228” high

Balancing Dampers

- Designed for balancing or variable volume control applications
- Optional factory-installed electric or pneumatic actuators
- Available in sizes 8” to 48” wide by 6” to 76” high

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Damper Accessory Kits and Replacement Parts

Johnson Controls

Order #	Mfg. #	Description
L47-047	DMPR-KC005	7 in. Blade Pin Extension w/ Coupler
L47-053	DMPR-KC211	Damper Jackshaft 1 in. Diameter, 2 Panel
L47-054	DMPR-KC212	Damper Jackshaft 1 in. Diameter, 3 Panel

Order #	Mfg. #	Description
L47-058	DMPR-JS-0029	Swivel Ball Joint
L92-619	DMPR-KC102	Damper Push Rod, 5/16 x 48 in. length

JADE Economizer Kits

Honeywell

- LCD screen delivers continuous messages, important diagnostics and system status
- Color-coded wiring terminals help with easy installation
- Built-in freeze protection closes the outdoor dampers to protect coils when temperatures drop
- Two-wire Sylk® bus enabled communications enable simple integration and future expansion
- On-board fault detection and diagnostics quickly identifies sensor failures or loss of communication, saving time on service and commissioning



Order #	Mfg. #	Description	For Use With	Each
L81-238	YL7220AJ3103	Dry Bulb With Communicating 27 lb-in DCA	Series 72 Actuators; C7232	**1799.00**
L81-239	YL7220AJ3105	Dry Bulb With Communicating 44 lb-in DCA	Series 72 Actuators; C7232	**1599.00**
L81-205	Y7220S7215	Enthalpy With Black Motor	Series 72 Actuators	**2145.00**
L81-210	YL7220SJ3105	Enthalpy With Communicating 44 lb-in DCA	Series 72 Actuators; C7232	**1745.00**

JADE Economizer Components

Honeywell

- On screen checkout feature saves valuable labor time and checks for installation accuracy
- LCD screen simplifies the user interface and lowers installation cost
- Simplified wiring eliminates wiring errors and saves time
- Ability to stage exhaust fans without extra hardware
- Modular solution provides base requirements without adding cost of other components and allows for upgrades as required
- Fault detection and diagnostics provide code compliance while simplifying setup and maintenance



Order #	Mfg. #	Description	For Use With	Each
L46-112	W7220A1000	Economizer logic with DCV and commissioning	Honeywell Series 72 Actuators	**869.00**
L46-111	C7400S1000	Solid State Enthalpy Sensor	W7220 Only	**265.00**
L46-110	C7250A1001	Electronic 20K Temperature Sensor	W7720 Only	**75.00**

Legacy Economizer Components

Honeywell

- Enthalpy sensors
- Not for use with W7220 JADE

Specifications:

- Operating humidity range: 10% to 90% relative humidity
- Temperature range: -25°F to +125°F
- Dimensions: 3-7/8" W x 3-5/32" H x 1" D



Order #	Mfg. #	Description	For Use With	Each
L40-008	C7400A2001	Enthalpy Sensor - Supply Duct/Return Air, 4-20mA	Logic modules with A,B,C, and D performance curves	**335.00**
L46-690	C7400C2007	Enthalpy Sensor - Supply Duct/Return Air, 4-20mA	Logic modules with A,B,C,D, and E performance curves	**269.00**
L40-007	C7150B1004	Duct or Discharge Air Temp Sensor	—	**105.00**

SIEMENS
Ingenuity for life

Economizer Controllers



- Direct Replacement for most RTU economizer brands
- Includes inputs for temperature, humidity and CO2 sensors
- LED lights indicate mode of operation: Free Cooling, DCV and Exhaust Fan
- Wide temperature and BTU selection range
- Inputs for single and two-stage cooling systems

Order #	Mfg. #	Description	For Use With	Each
L82-112	POL220.00	Economizer Controller 0-10Vdc signal (20 pk)	Most RTU Economizers	**219.00**
L82-113	POL220.05	Economizer Controller 0-10Vdc signal	For most RTU Economizers	**219.00**
L82-114	POL220.10	Economizer Controller 135 Ohm signal	Lennox Economizers	**225.00**
L82-115	POL220.15	Economizer Controller 135 Ohm signal (20 pk)	Lennox Economizers	**225.00**
L82-116	BSG61	Remote Potentiometer	POL220 Economizer Controls	**145.00**

Honeywell

Damper Motors



- Spring return motors for two-position back draft, outdoor air changeover, zone or minimum position damper control
- Includes internal SPDT switch for controlling auxiliary equipment, additional motors, or to provide a burner interlock switch
- Drive shafts located on both sides of motor

Specifications:
- Fixed stroke: 75°
- Control signal: SPST, on/off
- Ambient temperature range: 32°F to 125°F
- Dimensions: 4-5/8" W x 4-1/2" H x 3-3/4" D

Order #	Mfg. #	Volts	Power Consumption	Torque	Timing Max.	Each
L39-858	M436A1116	120	Opening: 27W; Holding: 8.5W	20 lb-in	30	**1945.00**
L40-761	M436A1124	240	Opening: 27W; Holding: 8.5W	20 lb-in	30	**2145.00**
L39-867	M836A1042	24	Opening: 27W; Holding: 8.5W	20 lb-in	30	**2145.00**
L39-868	M836B1033	24	Opening: 20.3W; Holding: 11.2W	15 lb-in	25	**2145.00**

Honeywell

Solid State Economizer Systems



- Reduce cooling costs by incorporating outdoor air in the first stage of cooling in HVAC systems
- **L39-865** power consumption is 7VA while driving, 3VA while holding
- Field stroke max is 90°, 90 second timing max, modulating thermistor control signal, 25 lb./in torque, 24VAC, with an ambient temperature range of -25°F to +125°F and includes quick connect terminals

Order #	Mfg. #	Description	For Use With
L39-864	M7415A1006	Economizer Actuator	Legacy W7459 Logic Module, Rotation to open: CCW
L39-865	M7415B1004	Economizer Actuator, Rotation to Open; CW	Legacy W7459 Logic Module

Honeywell

Carbon Dioxide (CO2) Sensors



A



B



C

- Stand alone Carbon Dioxide (CO2) Sensors for use in determining ventilation necessity with HVAC Controllers
- The sensors measure the CO2 concentration in the ventilated space or duct
- The sensors are used in ventilation and air conditioning systems to control the amount of fresh outdoor air supplied to maintain acceptable levels of CO2 in the space

Fig.	Order #	Mfg. #	Description	Each
Standard CO2 Sensors				
A	**L47-300**	C7232A1008	Display, Wall Mount	**915.00**
B	**L47-301**	C7232B1014	No Display, Duct Mount	**1099.00**
Fixed Output CO2 Sensors				
C	**L47-302**	C7632A1004	No Display, Wall Mount	**785.00**
C	**L47-303**	C7632B1002	No Display, Duct Mount	**965.00**

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Blue Angel Plus™ Flame Retention Oil Burners

- Provide outstanding efficiency, reliability and performance
- Feature high static capabilities and offer a wide firing rate for a broad use of applications
- Burners are shipped assembled and include an adjustable mounting flange and flange gasket
- Factory installed 0.75 GPH test nozzle
- Single piece electrode — extremely easy to set up (eliminates the eight piece assembly)
- Simple three step installation — saves installation time and money
- Wide firing rate — from 0.5 to 3.0 GPH
- Flame retention head — keeps flame uniform and prevents soot and smoke
- Dimensions: 12-7/8" W x 12-1/2" H x 7-3/4" D
- Fuel: No. 1 or No. 2 heating oil
- Air tube length: 6" for **L86-098**; 9" for **L86-099**



Order #	Mfg. #	Wt. Lbs.	Each
L86-098	300-711C	37	**2099.00**
L86-099	300-713C	37	**2099.00**

Gas Conversion Burners

For Residential and Light Commercial Applications

- Easily converts a wide variety of oil fired boilers, furnaces and water heaters to fire gas
- The unique forced draft design provides the precise amount of combustion air for flame retention and to overpower poor flue conditions
- Direct spark (pilotless) multi-try ignition system
- 1/2" NPT gas connection
- Units include an adjustable mounting flange (pedestal optional) and flange gasket
- **L81-827** and **L81-828** feature an exclusive adjustable flame spreader which properly shapes the flame for round, square or rectangular shaped combustion chambers and are for use with combustion chambers no smaller than 7" wide, 8" long, 7" high or 8" round

Features:
- Electrical enclosure hides most wires from view
- Multi-try ignition
- Installed with terminal blocks
- Direct spark ignition

Specifications:
- **L81-827** and **L81-828** for equipment with input rates of 50,000-250,000 Btu/Hr. 120V/60 Hz.(4" D. air tube is 8-1/8" long, 7-1/8" max. insertion)
- **L81-829** 4" D. air tube is 7-3/8" long (6-3/8" max. insertion) and is for equipment with input rates of 65,000-200,000 Btu/Hr



A

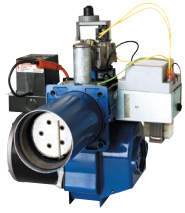


B

Fig.	Order #	Mfg. #	Model #	Gas Type	Ignition Type	Wt. Lbs.	Each
A	**L81-827**	64465	P250AF-E	LP	DI	24	**2845.00**
A	**L81-828**	64466	P250AF-E	Natural Gas	DI	24	**2199.00**
B	**L81-829**	64488	63388	Natural Gas	DI	24	**2545.00**

Gas Conversion Burners

- High efficiency/high static gas burners fire even tough to fire appliances, with the ability to overcome adverse draft situations
- HSG gas burners fire either Natural or LP/Propane gas with a simple orifice change (all orifices provided) and gas valve pressure adjustment
- Direct spark ignition
- HSG200 rate range: 60,000 BtuH min. to 200,000 BtuH max.
- HSG400 rate range: 200,000 BtuH min. to 400,000 BtuH max.
- Voltage: 120VAC/50-60 Hz; gas valve and controls: 24VAC



Order #	Mfg. #	Model #	Gas Type	Wt. Lbs.	Each
L80-484	62378D	HSG200 9"	Natural Gas	33	**4045.00**
L80-481	62377D	HSG400 6"	Natural Gas	31	**3345.00**
L80-482	62379D	HSG400 9"	Natural Gas	33	**3399.00**
L80-486	62381D	HSG400 12"	Natural Gas	35	**4299.00**

Residential Flame Retention Oil Burners

- Provides compact flame and peak performance
- Fuel: No. 1 or No. 2 heating oil
- 1/7 HP, 3450 RPM, NEMA 48H flange, PSC motor
- Manual reset overload protection
- 14K VAC ignitor solid state electronic ignitor
- Air tube sold separately
- **L86-353** includes R7184B interrupted primary with 15 second pre-purge, clean-cut pump with solenoid valve, air turbo injector and high efficiency blower wheel with 56,000 to 420,000 BtuH input
- **L86-354** offers fuel efficiency over a broad firing range, is virtually unaffected by poor chimney or draft conditions and offers a one-piece flame retention burner head



Order #	Mfg. #	Model #	Amps	Firing Rate	Each
L86-353	B2007	AFG	5.8A	0.4–3.0 GPH	**1499.00**
L86-354	B711	SF	7.1A	1.25–5.5 GPH	**1945.00**

Beckett

Oil Burner Motor





- For use with AF, AFG, NX and all "M" flange burners
- Lower amp draw and cooler operation than shaded pole models
- Thermal protector with automatic reset
- Ball bearing construction, proven dependability, PSC design

Order #	Mfg. #	HP	Volts	RPM	Speeds	F/L Amps	Shaft Diam.	Shaft Length	"F" Dim.	Bearing Type	Wt. Lbs.	Each
S89-230	21805U	1/7	115	3450	1	1.70	1/2"	1-31/32"	6-3/4"	Ball	8.0	**209.00**

Beckett

Oil Burner Accessories

Order #	Mfg. #	Description	Each
L43-181	51982U	Coupling Kit for AFG, AF & NX (10-Pk.)	**125.00**
L38-827	2454	Coupling Kit for AFG, AF & NX	**15.99**
L38-828	2290	Coupling Kit for SF & SR (7/16 Shaft)	**15.99**
L38-829	2999U	Blower Wheel for AFG & NX	**65.00**
L38-830	2288U	Blower Wheel for SF	**105.00**
L38-831	5432	Adjustable Set-Screw Flange for AF, AFG, SR & SF	**41.49**
L43-189	31653	Flange Gasket	**12.49**
L43-182	F0	Head/Heat Shield (0.40–0.75 GPH)	**41.99**
L38-832	F3	Head/Heat Shield (0.75–1.25 GPH)	**41.99**
L38-833	F6	Head/Heat Shield (0.85–1.65 GPH)	**41.99**
L38-834	F12	Head/Heat Shield (1.10–2.00 GPH)	**41.99**
L38-835	F22	Head/Heat Shield (1.65–2.50 GPH)	**41.99**
L38-836	F31	Head/Heat Shield (2.50–3.00 GPH)	**49.99**
L47-525	AF56	Air Tube Combination w/o Head (5-3/8" Length)	**149.00**
L47-524	AF60	Air Tube Combination w/o Head (6" Length)	**149.00**
L38-837	AF65	Air Tube Combination w/o Head (6-5/8" Length)	**215.00**

Order #	Mfg. #	Description	Each
L38-838	AF72	Air Tube Combination w/o Head (7-1/4" Length)	**179.00**
L40-790	AF90	Air Tube Combination w/o Head (9" Length)	**175.00**
L43-183	AF53XN	Air Tube Combination w/F3 Head (5-3/8" Length)	**205.00**
L38-839	AF65XN	Air Tube Combination w/F3 Head (6-5/8" Length)	**205.00**
L43-184	AF72XN	Air Tube Combination w/F3 Head (7-1/4" Length)	**205.00**
L43-185	AF90XN	Air Tube Combination w/F3 Head (9" Length)	**205.00**
L43-186	AF104XN	Air Tube Combination w/F3 Head (10-1/2" Length)	**265.00**
L43-187	AF130XN	Air Tube Combination w/F3 Head (13" Length)	**265.00**
L38-840	AF65XO	Air Tube Combination w/F12 Head (6-5/8" Length)	**205.00**
L38-841	AF65XP	Air Tube Combination w/F22 Head (6-5/8" Length)	**205.00**
L38-842	51621U	Start Helper	**189.00**
L38-843	5770	Electrical Box	**21.49**
L43-188	5636	Copper Oil Line for A, AF & AFG (6-1/2" Length)	**14.49**
L47-526	5394	Copper Oil Line for A, AF & AFG (8" Length)	**15.99**
L47-527	5628	Copper Oil Line for A, AF & AFG (9-1/2" Length)	**18.49**
L43-190	3666U	Splined Nut	**7.69**

Beckett

Cleancut Oil Pumps

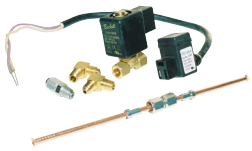


- Solenoid valve provides higher-pressure cut-ons and cut-offs for cleaner, more efficient burner operation
- Fewer moving parts than traditional pumps
- Piston valve for protection from leak-through in gravity feed situations
- 3450 RPM
- Factory set @ 100 PSI
- Nozzle pressure: 100 to 200 PSI
- Lift or gravity feed applications with 10 PSI maximum inlet/return pressure
- For use with #2 or lighter fuel oils
- Nozzle port location: RH
- Strainer and nozzle rating at 100 PSI: 4 GPH

Order #	Mfg. #	Description	Each
L43-191	PF20422U	Two-Stage Universal Replacement Kit	**625.00**
L40-234	PF20322U	Single-Stage Universal Replacement Kit	**319.00**

Beckett

Delay Valve Kit



- Cuts oil flow instantly at burner shutdown for cleaner cut-offs and reduced sooting
- Includes Precision Delay timer to ensure that airflow is established prior to oil flow
- Includes valve and all hardware required for installation

Order #	Mfg. #	Description	Each
L40-791	2182602U	Delay Valve Kit	**239.00**

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Fuel Oil Units

Model A Single-Stage, Model B Two-Stage

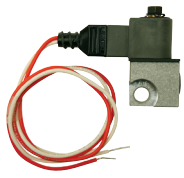
- Contamination resistant control valve
- No leak easy flow bleed valve
- High contact ratio precision matched gears for long life
- Double-lip shaft seal
- Original diaphragm/cone valve
- Involute tooth-form gears for quiet operation
- Two-stage units for high lift application
- Factory set at 100 PSI
- Pressure adjustable from 100 to 200 PSI @ 3450 RPM, 100 to 200 PSI @ 1725 RPM
- Lift or gravity feed applications with 10 PSI maximum inlet/return pressure
- Suitable for No. 1 and No. 2 fuel oil or kerosene
- May be mounted in any position, except upside down
- **L86-145** through **L86-148** are for installations requiring up to 6" HG vacuum single pipe and 12" HG vacuum two pipe
- **L86-149** and **L86-150** are rated to 17" HG vacuum two pipe



Order #	Mfg. #	RPM	Rot.	Nozzle Port Location	Stages	Strainer & Nozzle Rating @ 100 PSI	Each
L86-145	A1YA-7912B	1725	RH	RH	Single	7 GPH	**365.00**
L86-146	A1YC-7914B	1725	LH	LH	Single	7 GPH	**389.00**
L86-147	A2VA-7116B	3450	RH	RH	Single	3 GPH	**309.00**
L86-148	A2VD-7119B	3450	LH	RH	Single	3 GPH	**485.00**
L86-149	B1VA-8212B	1725	RH	RH	Two	3 GPH	**695.00**
L86-150	B2YA-8916B	3450	RH	RH	Two	3 GPH	**529.00**

Shutoff Valves

- Top quality field-proven valves provide instantaneous fuel supply cutoff back-up in oil fuel circuits
- Wired in parallel with burner motor, valve closes whenever current to motor is interrupted, blocking oil flow to nozzle
- Used with fuel units rated up to 16 GPH
- Suitable for use with No. 1 and No. 2 fuel oil or kerosene
- Non-delay opening response, valves mount in any position



A



B

Fig.	Order #	Mfg. #	Mounting	Volts	Max. Pressure	Each
A	**L37-520**	R642NL	Pump	115VAC	300	**165.00**
B	**L37-521**	C642NR	Burner	115VAC	300	**159.00**

Oil Burner Primary Controls

- Automatic, non-recycling control of an intermittent ignition oil burner system
- External button to manually reset safety switch after safety shutdown
- Mounts on standard 4" x 4" junction box
- Requires C554A Cadmium Sulfide Flame Detector (**L37-030**) and 24VAC thermostat
- Electrical rating (full load): 7.4A @ 120VAC, 3.7A @ 240V; 360VA ignition rating for burner motors
- Ambient temperature range: -40°F to +130°F
- **L37-026** includes 40 VA transformer and Y and G terminals for connection of cooling equipment



A



B

Fig.	Order #	Mfg. #	Safety Timing	Each
A	**L37-519**	R8184G4009	45 Seconds	**315.00**
A	**L39-034**	R8184G4066	15 Seconds	**469.00**

Fig.	Order #	Mfg. #	Safety Timing	Each
A	**L40-026**	R8184G4082	45 Seconds	**455.00**
B	**L37-026**	R8184M1051	45 Seconds	**575.00**

Oil Burner Primary Controls

- Solid-state control
- Automatically shuts down burner if no flame is present
- Use with a C554A Cadmium Sulfide flame detector and 24VAC thermostat
- LED diagnostics for troubleshooting
- Manual reset button
- Electrical rating: 7.4A (full load), 44.4A (locked rotor) @ 120VAC



Order #	Mfg. #	Description	Ignition Type	Lockout Timing	Safety Timing	Each
L40-430	ICM1501	Oil Primary ignition control	Intermittent ignition	Manual Reset	15 Seconds	**245.00**
L40-432	ICM1503	Oil Primary ignition control	Intermittent ignition	Manual Reset	45 Seconds	**255.00**

resideo

Universal Digital Oil Primary Control



- Universal application through field adjustable safety, valve-on delay and motor-off delay timings
- 16 character two line tri-lingual display provides for simple programming and access to diagnostic information
- Monitors ignitor and cad cell during operation and alerts technician to component failures
- No external tools required to configure the control or view diagnostic information

UNIVERSAL PARTS

Order #	Mfg. #	Ignition Type	Safety Timing	Each
L45-677	R7284U1004	Intermittent or Interrupted – Control is configurable	15, 30 or 45 seconds, field configurable	**245.00**

Beckett

GeniSys 7505 Advanced Burner Controls



- Thermostat and boiler control compatible
- Customizable pre-time and post-time
- Three status lights for system monitoring and diagnostics
- Welded relay protection with redundant motor relays
- Limited reset and limited recycle
- Two communication ports for adding alarm contacts, programming display and/or future wireless communications

Order #	Mfg. #	Description	Valve-On Delay	Motor-Off Delay	Lockout Timing	Each
L45-293	7505A0000U	Oil Burner Control	—	—	15 Sec.	**235.00**
L45-294	7505B1500U	Oil Burner Control	15 Sec.	—	15 Sec.	**235.00**
L45-295	7505P1515U	Oil Burner Control	15 Sec.	15 Sec.	15 Sec.	**235.00**
L45-296	7505P1530U	Oil Burner Control	15 Sec.	30 Sec.	15 Sec.	**235.00**
L45-297	7505P152MU	Oil Burner Control	15 Sec.	2 Min.	15 Sec.	**235.00**

Beckett

GeniSys Universal Control Kit and Accessories



- **L45-299** Universal Control Kit contents: durable toolbox with foam insert, (1) GeniSys control **L45-293** 7505A0000U, (1) GeniSys control **L45-294** 7505B1500U, (1) GeniSys contractor tool **L45-300** 52082U, (1) GeniSys lockout alarm **L45-302** 52040U, (1) A/C ready kit **L43-193** 51950
- **L45-300** GeniSys contractor tool provides the same functions as the GeniSys display
- **L45-302** GeniSys lockout alarm provides dry contacts for use with an alarm system requiring contact closure in the event of a soft or hard lockout of the GeniSys control

Order #	Mfg. #	Description	Each
L45-299	52097U	GeniSys Universal Control Kit	**915.00**
L45-300	52082U	GeniSys Contractor Tool	**245.00**

Order #	Mfg. #	Description	Each
L45-302	52040U	GeniSys Alarm Module	**79.00**

Beckett

A/C Ready Kit

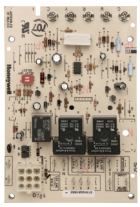


- Adds air conditioning capability to existing furnace or boiler
- Use with any Honeywell R7184 or R8184G oil primary control
- Replaces Honeywell R8184M when used with R7184A
- Includes terminal strip for low voltage connections (C, Y, G, R, W)
- 40VA transformer powers low voltage control circuit
- Pre-assembled kit for easy installation on standard 4x4 wiring box

Order #	Mfg. #	Description	Each
L43-193	51950U	A/C Ready Kit	**169.00**

resideo

Electronic Fan Timer



- Single circuit board provides combustion air blower control, two speed circulating air blower control, oil primary control, limit circuit inputs, thermostat wiring terminations and a central appliance wiring point for an oil furnace
- Cool fan off delay: fixed 0 sec.
- Cool fan on delay: fixed 0 sec.
- Adjustable heat fan off delay: 60, 90, 120 or 150 sec. (set at 150 sec.)
- Heat fan on delay: fixed, 45 sec.
- Electrical rating: 18 to 30VAC, 50/60 Hz
- Temperature rating: -40°F to +150° F

Order #	Mfg. #	Each
L40-047	ST9103A1002	**375.00**

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Allanson Chek-Mate Ignition Test

- Tests all manufacturer's 2 pole electronic ignitors and iron core transformers
- LED indicator



Order #	Mfg. #	Model #	Width	Length	Height	Pkg. Qty.	Lot Qty.	Wt. Lbs.	Each
L81-183	SC-2100	SC-2100	2.1875"	7.5"	1.75"	1	1	1lbs	**179.00**

Oil Burner Ignition Transformers

- Replacement transformers for common burner applications
- Designed and tested to burner manufacturer's specifications
- 120VAC, 60 Hz, 10,000V output, 23mA
- **L80-202** is a universal model with six-position adaptability, universal mounting plate and integrated wiring compartment



A B C D E F G

Fig.	Order #	Mfg. #	Application	Allanson #	France #	Webster #	Dongan #	Sid Harvey #	Height	Width	Length	Wt. Lbs.	Each
A	**L80-202**	421-BT-636	Universal Replacement	421-BT-636	LAUV	312-25AX0600	LJH-90	T1-15	4.50	4.34	5.34	10lbs	**315.00**
B	**L80-203**	2721-605	Beckett S	2721-605	5LAY-05	313-28AB92, 313-28AB-BF	XD-BK204	T-90	3.14	4.43	7.37	8lbs	**225.00**
C	**L80-204**	2721-628G	Beckett A, AF, AFG	2721-628G	5LAY-04	313-28AB-BAF	XD-BK103	T-92	3.01	3.97	4.84	8lbs	**219.00**
D	**L80-205**	2721-619	Wayne Hi-Speed M/MH	2721-619	5LAY-03	313-28AB91	XD-WN202	T-93	3.09	4.43	4.82	8lbs	**239.00**
E	**L80-206**	2721-620	Wayne E	2721-620	5LAY-30	313-25AB78	XD-WN208	T-88	3.09	4.44	7.81	8lbs	**239.00**
F	**L80-207**	2721-647	Wayne Blue Angel, Eagle One	2721-647	5LAY-31	313-28AB205W, 313-28ABWHS	XD-WN-209	T-89-10	3.06	3.84	4.68	8lbs	**225.00**
G	**L80-208**	2721-630	Carlin 99, 100, 101, Card Miser	2721-630	5LAY-15	313-28AB85	XD-CR205	T-94	3.14	4.43	7.37	8lbs	**245.00**

OMNI Universal Ignitor

- Primary Voltage: 120VAC
- No extra mounting plate needed
- Low operating temperature
- 50/60 Hz



Order #	Mfg. #	Application	Allanson #	Sid Harvey #	Height	Width	Length	Wt. Lbs.	Each
L81-184	2275-U	Universal Ignitor	2275-U	T961	2.011"	4.06"	4.92"	2lbs	**125.00**

Hundreds of Thousands of OEM Solutions at Your Fingertips
For all of your AC needs *supporting you from installation and beyond*



Beckett

Electronic Oil Ignitors

- 20kV peak rating guarantees quick and efficient ignition
- Small size and lightweight
- Synthetic resin provides high impact strength and scratch resistance; impenetrable to most chemicals
- Case design has breakout sections at the rear and side for lead wire exit and a hood to cover and protect wires
- Secondary mid-point ground

Specifications:
- Input: 120VAC, 60 Hz, 35VA
- Output voltage: 6 kV RMS, 20 kV PEAK
- Output current: 35mA RMS
- Ambient operating temperature: -20°F to +150° F


A

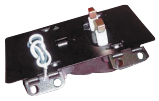

B


C


D


E


F


G


H


I


J

Fig.	Order #	Mfg. #	Description	Application	Allanson #	France #	Webster #	Dongan #	Sid Harvey #	Carlin (Ignitor) #	Length	Wt. Lbs.	Each
A	**L39-149**	51771U	Ignitor w/Baseplate	Beckett A, NX	2721-628	5LAY-04	3-28AB-BAFR	XD-BK103	T-92	—	—	2	**169.00**
B	**L39-150**	51805U	Ignitor w/Baseplate	Beckett AFII	2721-628	5LAY-04	3-28AB-BAFR	XD-BK103	T-92	41000-SO-BK1	—	3	**219.00**
C	**L39-151**	51824U	Ignitor w/Baseplate	Beckett S	2721-605	5LAY-05	313-28AB92	XD-BK204	T-90	41000-SO-BK2	8-1/2"	3	**209.00**
D	**L39-152**	51826U	Ignitor w/Baseplate	Carlin 100	2721-630	5LAY-15	313-28AB85	XD-XR205	T-94	41000-SO-CAS	—	3	**219.00**
D	**L39-153**	51840U	Ignitor w/Baseplate	Carlin 200	2721-629	5LAY-16	313-24AB81	XD-CR206	T-95	41000-SO-SC	—	3	**235.00**
E	**L39-154**	51825U	Ignitor w/Baseplate	Wayne M	2721-619	5LAY-03	313-28AB91	XD-WN202	T-93	41000-SO-WA3	—	3	**219.00**
F	**L39-155**	51827U	Ignitor w/Baseplate	Wayne E	2721-620	5LAY-30	313-25AB78	XD-WN208	T-88	41000-SO-WA2	—	3	**159.00**
G	**L39-156**	51836U	Ignitor Only	Wayne HS	2721-647	5LAY-31	313-28AB-205W	XD-WN209	T-89-10	41000-SO-WA1	8-1/2"	1.1	**209.00**
H	**L39-157**	51837U	Ignitor w/Baseplate	Weil-Mclain	—	5LAY-32	—	—	—	41000-SO-WM	—	1.1	**235.00**
I	**L39-158**	51828U	Ignitor w/Baseplate	Aero	—	5LAY-56	—	—	—	41000-SO-AR	—	2	**219.00**
J	**L40-792**	51838U	Ignitor Only	Determined by Base Plate	—	—	—	—	—	—	—	—	**155.00**
—	**L43-192**	51830U	Baseplate Only	Beckett A, NX	—	—	—	—	—	—	—	—	**40.99**

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Electric Oil Ignitors

- Primary Voltage: 120VAC
- No extra mounting plate needed
- Low operating temperature
- 50/60 Hz
- Small size and lightweight
- **L81-185** is a replacement for Wayne HI speed M/MH burners
- **L81-186** is a replacement for Beckett A, AF, AFG burners
- **L81-187** is replacement for Beckett S burners
- **L81-188** is a replacement for Carlin 99, 100, 101, Card Miser burners
- **L81-189** is a replacement for Wayne E burners

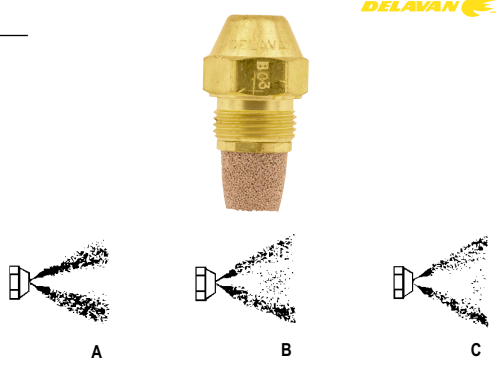


A B C D E

Fig.	Order #	Mfg. #	Application	Allanson #	France #	Dongan #	Sid Harvey #	Carlin (Ignitor) #	Height	Width	Length	Wt. Lbs.	Each
A	**L81-185**	2275-619	Wayne HI Speed M/MH	2275-619	10SAY-03	SS1-WN202	T93E	41000-SO-WA3	2.011"	4.44"	6.375"	2lbs	**129.00**
B	**L81-186**	2275-628G	Beckett A, AF, AFG	2275-628G	10SAY-04	SS1-BK103	T92E(1)	41000-SO-BK1	2.011"	4"	5.844"	2lbs	**129.00**
C	**L81-187**	2275-605	Beckett S	2275-605	10SAY-05	—	T90E	41000-SO-BK2	2.011"	4.44"	7.375"	2lbs	**129.00**
D	**L81-188**	2275-630	Carlin 99, 100, 101, Card Miser	2275-630	10SAY-15	SS1-CR205	T94E	41000-SO-CAS	2.011"	4.44"	6.359"	2lbs	**129.00**
E	**L81-189**	2275-620	Wayne E	2275-620	10SAY-30	SS1-WN208	T88E	41000-SO-WA2	2.011"	4.44"	7.81"	2lbs	**129.00**

Oil Burner Nozzles

- 100% tested for GPH and spray angle against a calibrated master nozzle to obtain maximum performance
- Stainless steel orifice has a high quality heat and water resistant body
- Closer manufacturing tolerances reduce flow, angle and pattern valuation for more consistent nozzles
- Up to 50 GPH nozzles available at participating Johnstone Supply stores or by special order
- Type A nozzles (Fig. A - red cap) are hollow cone nozzles designed to create clean, quiet efficient fire for stable flame at low flows, and is recommend for trial on burners without distinct air patterns
- Type B nozzles (Fig. B - blue cap) are solid cone nozzles designed to produce uniform spray throughout the entire pattern and provide smooth ignition, for use on larger burners and where air pattern is heavy in center or for long fires
- Type W nozzles (Fig. C - Green cap) are semi-solid nozzles that can replace type A or B nozzles at 0.4 to 1.2 GPH in 70° or 80° spray for reducing specific problems



A B C

Fig.	Order #	Mfg. #	Description	Nozzle GPH	Nozzle Spray Angle	Each
A	**L37-155**	.50X70A1	Type A Nozzle	0.50	70°	**21.49**
A	**L37-105**	.50X80A1	Type A Nozzle	0.50	80°	**19.49**
A	**L37-157**	.50X90A1	Type A Nozzle	0.50	90°	**21.49**
A	**L37-108**	.60X70A1	Type A Nozzle	0.60	70°	**21.49**
A	**L37-106**	.60X80A1	Type A Nozzle	0.60	80°	**19.49**
A	**L37-158**	.60X90A1	Type A Nozzle	0.60	90°	**21.49**
A	**L37-154**	.65X60A1	Type A Nozzle	0.65	60°	**21.49**
A	**L37-109**	.65X70A1	Type A Nozzle	0.65	70°	**19.49**
A	**L37-107**	.65X80A1	Type A Nozzle	0.65	80°	**19.49**
A	**L37-159**	.65X90A1	Type A Nozzle	0.65	90°	**21.49**
A	**L37-032**	.75X60A1	Type A Nozzle	0.75	60°	**21.49**
A	**L37-110**	.75X70A1	Type A Nozzle	0.75	70°	**19.49**
A	**L37-042**	.75X80A1	Type A Nozzle	0.75	80°	**19.49**
A	**L37-033**	.85X60A1	Type A Nozzle	0.85	60°	**21.49**
A	**L37-111**	.85X70A1	Type A Nozzle	0.85	70°	**19.49**
A	**L37-043**	.85X80A1	Type A Nozzle	0.85	80°	**19.49**
A	**L37-034**	1.00X60A1	Type A Nozzle	1.00	60°	**21.49**
A	**L37-112**	1.00X70A1	Type A Nozzle	1.00	70°	**19.49**
A	**L37-044**	1.00X80A1	Type A Nozzle	1.00	80°	**19.49**
A	**L37-035**	1.10X60A1	Type A Nozzle	1.10	60°	**21.49**
A	**L43-841**	1.10X70A1	Type A Nozzle	1.10	70°	**21.49**
A	**L37-045**	1.10X80A1	Type A Nozzle	1.10	80°	**21.49**
A	**L43-842**	1.20X60A1	Type A Nozzle	1.20	60°	**21.49**
A	**L43-843**	1.20X70A1	Type A Nozzle	1.20	70°	**21.49**
A	**L43-844**	1.20X80A1	Type A Nozzle	1.20	80°	**21.49**
A	**L37-036**	1.25X60A1	Type A Nozzle	1.25	60°	**21.49**

continued on next page

Fig.	Order #	Mfg. #	Description	Nozzle GPH	Nozzle Spray Angle	Each
A	**L43-845**	1.25X70A1	Type A Nozzle	1.25	70°	**21.49**
A	**L37-046**	1.25X80A1	Type A Nozzle	1.25	80°	**21.49**
A	**L43-846**	1.35X70A1	Type A Nozzle	1.35	70°	**21.49**
A	**L43-847**	1.35X80A1	Type A Nozzle	1.35	80°	**21.49**
A	**L37-037**	1.50X60A1	Type A Nozzle	1.50	60°	**21.49**
A	**L43-848**	1.50X70A1	Type A Nozzle	1.50	70°	**21.49**
A	**L37-047**	1.50X80A1	Type A Nozzle	1.50	80°	**21.49**
A	**L37-038**	1.75X60A1	Type A Nozzle	1.75	60°	**21.49**
A	**L43-849**	1.75X70A1	Type A Nozzle	1.75	70°	**21.49**
A	**L37-048**	1.75X80A1	Type A Nozzle	1.75	80°	**21.49**
A	**L37-039**	2.00X60A1	Type A Nozzle	2.00	60°	**32.49**
A	**L37-049**	2.00X80A1	Type A Nozzle	2.00	80°	**32.49**
A	**L37-040**	2.25X60A7	Type A Nozzle	2.25	60°	**32.99**
A	**L37-050**	2.25X80A7	Type A Nozzle	2.25	80°	**32.99**
A	**L37-041**	2.50X60A7	Type A Nozzle	2.50	60°	**32.99**
A	**L37-051**	2.50X80A7	Type A Nozzle	2.50	80°	**32.99**
A	**L44-181**	.50X60A1	Type A Nozzle	0.5	60°	**21.49**
A	**L44-182**	.90X70A1	Type A Nozzle	0.9	70°	**21.49**
A	**L44-183**	.90X80A1	Type A Nozzle	0.9	80°	**21.49**
B	**L44-184**	.50X70B1	Type B Nozzle	0.5	70°	**21.49**
B	**L43-850**	.60X60B1	Type B Nozzle	0.60	60°	**21.49**
B	**L43-851**	.60X70B1	Type B Nozzle	0.60	70°	**21.49**
B	**L43-852**	.60X80B1	Type B Nozzle	0.60	80°	**21.49**
B	**L43-853**	.65X60B1	Type B Nozzle	0.65	60°	**21.49**
B	**L43-854**	.65X70B1	Type B Nozzle	0.65	70°	**21.49**
B	**L37-156**	.65X80B1	Type B Nozzle	0.65	80°	**21.49**
B	**L43-855**	.70X70B1	Type B Nozzle	0.70	70°	**21.49**
B	**L37-052**	.75X60B1	Type B Nozzle	0.75	60°	**21.49**
B	**L43-856**	.75X70B1	Type B Nozzle	0.75	70°	**21.49**
B	**L37-064**	.75X80B1	Type B Nozzle	0.75	80°	**19.49**
B	**L43-857**	.85X45B1	Type B Nozzle	0.85	45°	**21.49**
B	**L37-053**	.85X60B1	Type B Nozzle	0.85	60°	**21.49**
B	**L43-858**	.85X70B1	Type B Nozzle	0.85	70°	**21.49**
B	**L37-065**	.85X80B1	Type B Nozzle	0.85	80°	**19.49**
B	**L43-859**	1.00X45B1	Type B Nozzle	1.00	45°	**21.49**
B	**L37-054**	1.00X60B1	Type B Nozzle	1.00	60°	**21.49**
B	**L43-860**	1.00X70B1	Type B Nozzle	1.00	70°	**21.49**
B	**L37-066**	1.00X80B1	Type B Nozzle	1.00	80°	**19.49**
B	**L37-055**	1.10X60B1	Type B Nozzle	1.10	60°	**21.49**
B	**L43-861**	1.10X70B1	Type B Nozzle	1.10	70°	**21.49**
B	**L37-067**	1.10X80B1	Type B Nozzle	1.10	80°	**21.49**
B	**L43-862**	1.20X45B1	Type B Nozzle	1.20	45°	**21.49**
B	**L43-863**	1.20X70B1	Type B Nozzle	1.20	70°	**21.49**
B	**L43-864**	1.20X80B1	Type B Nozzle	1.20	80°	**21.49**
B	**L37-056**	1.25X60B1	Type B Nozzle	1.25	60°	**21.49**
B	**L37-068**	1.25X80B1	Type B Nozzle	1.25	80°	**21.49**
B	**L37-057**	1.35X60B1	Type B Nozzle	1.35	60°	**21.49**
B	**L43-865**	1.35X70B1	Type B Nozzle	1.35	70°	**21.49**
B	**L37-069**	1.35X80B1	Type B Nozzle	1.35	80°	**21.49**
B	**L43-866**	1.50X45B1	Type B Nozzle	1.50	45°	**21.49**
B	**L37-058**	1.50X60B1	Type B Nozzle	1.50	60°	**21.49**
B	**L43-867**	1.50X70B1	Type B Nozzle	1.50	70°	**21.49**
B	**L37-070**	1.50X80B1	Type B Nozzle	1.50	80°	**21.49**
B	**L37-059**	1.65X60B1	Type B Nozzle	1.65	60°	**21.49**
B	**L37-071**	1.65X80B1	Type B Nozzle	1.65	80°	**21.49**
B	**L43-868**	1.75X45B1	Type B Nozzle	1.75	45°	**21.49**
B	**L37-060**	1.75X60B1	Type B Nozzle	1.75	60°	**21.49**
B	**L43-869**	1.75X70B1	Type B Nozzle	1.75	70°	**21.49**
B	**L37-072**	1.75X80B1	Type B Nozzle	1.75	80°	**21.49**
B	**L37-061**	2.00X60B1	Type B Nozzle	2.00	60°	**32.49**
B	**L37-073**	2.00X80B1	Type B Nozzle	2.00	80°	**32.49**
B	**L37-062**	2.25X60B7	Type B Nozzle	2.25	60°	**32.99**
B	**L37-074**	2.25X80B7	Type B Nozzle	2.25	80°	**32.99**
B	**L37-063**	2.50X60B7	Type B Nozzle	2.50	60°	**32.99**
B	**L37-075**	2.50X80B7	Type B Nozzle	2.50	80°	**32.99**
C	**L37-104**	.40X80W4	Type W Nozzle	0.40	80°	**25.99**
C	**L43-870**	.50X70W1	Type W Nozzle	0.50	70°	**21.49**
C	**L37-292**	.50X80W1	Type W Nozzle	0.50	80°	**21.49**
C	**L43-871**	.60X80W1	Type W Nozzle	0.60	80°	**21.49**

continued on next page

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Fig.	Order #	Mfg. #	Description	Nozzle GPH	Nozzle Spray Angle	Each
C	**L43-872**	.65X45W1	Type W Nozzle	0.65	45°	**21.49**
C	**L43-873**	.65X60W1	Type W Nozzle	0.65	60°	**21.49**
C	**L37-287**	.65X70W1	Type W Nozzle	0.65	70°	**19.49**
C	**L37-284**	.65X80W1	Type W Nozzle	0.65	80°	**19.49**
C	**L43-874**	.75X60W1	Type W Nozzle	0.75	60°	**21.49**
C	**L37-288**	.75X70W1	Type W Nozzle	0.75	70°	**19.49**
C	**L37-285**	.75X80W1	Type W Nozzle	0.75	80°	**19.49**
C	**L43-875**	.85X60W1	Type W Nozzle	0.85	60°	**21.49**
C	**L37-289**	.85X70W1	Type W Nozzle	0.85	70°	**19.49**
C	**L37-286**	.85X80W1	Type W Nozzle	0.85	80°	**19.49**
C	**L43-876**	.90X60W1	Type W Nozzle	0.90	60°	**21.49**
C	**L43-877**	1.00X60W1	Type W Nozzle	1.00	60°	**21.49**
C	**L37-290**	1.00X70W1	Type W Nozzle	1.00	70°	**21.49**
C	**L37-291**	1.00X80W1	Type W Nozzle	1.00	80°	**21.49**
C	**L43-878**	1.10X70W1	Type W Nozzle	1.10	70°	**21.49**
C	**L43-879**	1.20X60W1	Type W Nozzle	1.20	60°	**21.49**
C	**L43-880**	1.20X70W1	Type W Nozzle	1.20	70°	**21.49**
C	**L37-293**	1.20X80W1	Type W Nozzle	1.20	80°	**21.49**
C	**L43-881**	1.25X80W1	Type W Nozzle	1.25	80°	**21.49**
C	**L43-882**	1.35X60W1	Type W Nozzle	1.35	60°	**21.49**

Fuel Oil Filters

- 10 micron oil filter
- Now standard with BioGasket™
- Compatible with Bio-Fuel blends up through B100
- Leak-proof design
- 4EVERLoc with bottom bolt design
- Durable epoxy-coated galvanized steel filter bowl inside and out
- Pipe size 3/8” NPT standard



Order #	Mfg. #	Application	Max. Nozzle Capacity	Replacement Cartridges	Each
L37-078	1A-25B	Small to Average Homes & Commercial	10 GPH	L37-080 or L37-523	**75.00**
L37-079	2A-700B	Larger Homes & Commercial	25 GPH	L37-081 or L37-524	**99.00**

Wool Felt Replacement Cartridges

- 10 micron
- Core center bonded to prevent media migration
- Includes 3 gaskets: Buna-N, center bolt and vent screw gasket
- Compatible with fuel oil conforming to ASTM D396-09 (Up to B5)



Order #	Mfg. #	Description	For Use With	Each
L37-080	1A-30	Wool	1A-25A, 77, Sears 8055, Sid Harvey XF-25/264, Mitco 264, AutoFlo F-300, Eddington S-254, Federal A-77	**5.69**
L37-081	2A-710	Wool	2A-700A, 99, Sid Harvey XF-1/265, Mitco 265, AutoFlo F-400, Eddington S-252	**14.49**
L41-664	88-CR	Wool	1A-25A, 77, Sears 8055, Sid Harvey XF-25/264, Mitco 264, AutoFlo F-300, Eddington S-254, Federal A-77	**6.39**
L41-665	101	Wool	2A-700A, 99, Sid Harvey XF-1/265, Mitco 265, AutoFlo F-400, Eddington S-252	**14.99**

Unifilters

- 10 micron oil filter
- Compatible with fuel oil conforming to ASTM D396-09 (Up to B5)
- Leak-proof design
- 4EVERLoc with bottom bolt design
- Durable epoxy-coated galvanized steel filter bowl inside and out
- 40 PSI working pressure
- ETL listed
- Pipe size 3/8” NPT standard



Order #	Mfg. #	Application	Max. Nozzle Capacity	Replacement Cartridges	Each
L41-662	77B	Small to Average Homes & Commercial	10 GPH	L41-664 or L37-523	**65.00**
L41-663	99B	Larger Homes & Commercial	25 GPH	L41-665 or L37-524	**95.00**

Replacement Cartridges



- 10 micron
- Continuous spun rayon fibers with gear tooth design
- Includes 3 gaskets: Buna-N, center bolt and vent screw gasket
- MicRoFiber provides maximum surface area and enhanced depth filtration
- Compatible with fuel oil conforming to ASTM D396-09 (Up to B5)

Order #	Mfg. #	Description	For Use With	Each
L37-523	RF-1	Micro Fiber	1A-25A, 77, Sears 8055, Sid Harvey XF-25/264, Mitco 264, AutoFlo F-300, Eddington S-254, Federal A-77	**6.39**
L37-524	RF-2	Micro Fiber	2A-700A, 99, Sid Harvey XF-1/265, Mitco 265, AutoFlo F-400, Eddington S-252	**10.99**
L39-025	RF-4	Micro Fiber	Fulflo B4, AS4, FB4	**9.65**

Gar-Ber Fuel Oil Filters



- Filters spin on for quick and easy installation
- 7 to 10 micron filtering capacity
- Ideal for systems with nozzle clogging problems
- **L41-658** filter restriction indicator displays vacuum reading for determining when to replace filter (included with some models)
- Inlet/outlet size: 3/8" NPT
- Maximum firing rate: 10 GPH

Order #	Mfg. #	Application	Includes	Max. Nozzle Capacity	Each
L41-643	11V-R	Residential	Mounting Head	10 GPH	**95.00**
L41-644	11BV-R	Residential	Mounting Bracket	10 GPH	**105.00**
L41-646	11BV-RK	Residential	Mounting Bracket and Filter Restriction Indicator	10 GPH	**129.00**
L41-648	11BV-MK	Commercial	Mounting Bracket and Filter Restriction Indicator	35 GPH	**169.00**
L41-649	11V-R2000	Commercial	Water Separator Filter	35 GPH	**129.00**
L41-653	R	Residential	Replacement Filter Only	10 GPH	**41.49**
L41-654	M	Commercial	Replacement Filter Only	35 GPH	**55.00**
L41-655	R2000	Commercial	Replacement Filter Only	35 GPH	**79.00**
L41-658	FRI	Any	Filter Restriction Indicator Only	—	**21.99**

Tigerloop Oil De-aerators



A



B

- Safely handles suction line air leaks and reduces running vacuum for clear, foam-free oil at the nozzle
- Removes air entrained in oil during transporting and delivery
- Eliminates potential leak hazard by eliminating the return line
- Preheats oil for cleaner combustion

Fig.	Order #	Mfg. #	Description	Each
A	**L42-927**	S220	Tigerloop Oil De-Aerator	**345.00**
B	**L42-928**	S220-8	Tigerloop Ultra De-Aerator w/ Spin-On Filter	**419.00**
—	**L44-179**	S220-24	24" Flexible Oil Line (1/4" NPT)	**34.49**
—	**L44-180**	S220-36	36" Flexible Oil Line (1/4" NPT)	**42.99**

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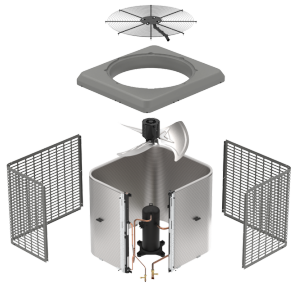

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Ignition Terminals

Westwood


A


B


C


D


E


F


G

Fig.	Order #	Mfg. #	Description	Lot Qty.	Each	10 Lot
A	**L37-229**	E9-CT-PK	Cage	10	**30.49**	**25.99**
B	**L37-230**	E9-SS-PK	Spring	10	**55.00**	**46.99**
C	**L37-231**	E9-R-2-PK	Ring	10	**44.49**	**38.49**
D	**L37-232**	E9-ACT-PK	Angle Cage	10	**75.00**	**65.00**

Fig.	Order #	Mfg. #	Description	Lot Qty.	Each	10 Lot
E	**L37-237**	E9-CC-1-PK	Cage/Cage	10	**95.00**	**85.00**
F	**L37-241**	E9-RC-5-PK	Cage Buss Bar Clip	10	**89.00**	**75.00**
G	**L37-252**	E9-B-10-1032PK	10–32 Contact Post	10	**59.00**	**48.99**

Oil Burner Electrode Kits

Beckett

- Repair kits for Beckett models up to 9" air tube length
- Kits include gauge, two insulated electrodes, coupling, extension rod and nut


A


B

Fig.	Order #	Mfg. #	Application	Each
A	**L43-194**	5780	AFG, AF, AR, SF & SR "F" Series	**65.00**
B	**L43-195**	51484U	AFII (HLX Style)	**89.00**

Oil Burner Tune-Up Kit

WAYNE

- For use with Wayne models M, MSR, MH, ER, ERA, EH, EHA, EHASR, OE and OEA burners
- E and M Series burner tune-up kit
- Kit includes: Two each electrode stems, electrode assemblies with insulators, buss bars, insulator bushings; one each oil line assembly, coupling, elbow, buss bar support, gun setting gauge



Order #	Mfg. #	Each
L38-666	31156	**155.00**

Oil Burner Tune-Up Kit

WAYNE

- Specially designed to fill the parts requirements for HS model Blue Angel burners with two-piece electrode assemblies
- Kit includes: One each buss bar support, 8" oil line, electrode holder, J-pump coupling end, brass elbow coupling; two 6" electrode assemblies



Order #	Mfg. #	Each	3 Lot
L37-484	31157	**229.00**	**215.00**

Westwood

Oil Burner Tune-up Repair Kit



- Tune-up repair kit for Beckett burner models AF, AR, SF and SR, up to 9" air tube combinations
- Kit includes: two each electrode assemblies, extension rods with nuts; one each 12" oil line assembly, pump coupling kit, T-231 tip setting gauge

Order #	Mfg. #	Each
L38-654	S88-10	**89.00**

Westwood

Electrodes



- Quality steatite ceramic insulators
- High voltage stainless steel or alloy ignitor rod
- 3" straight tip length
- OEM models available upon request
- Sold only in pairs

Order #	Mfg. #	Description	Diam.	Length	Pkg. Qty.	Tip Style	Each
L37-213	E5-1M4-2PK	Type 1M, 4"	7/16"	4"	2	Heavy, 1/8" Diam.	**55.00**
L37-215	E5-1M6-2PK	Type 1M, 6"	7/16"	6"	2	Heavy, 1/8" Diam.	**65.00**
L37-216	E5-3M4-2PK	Type 3M, 4"	9/16"	4"	2	Heavy, 1/8" Diam.	**39.49**
L37-217	E5-3M5-2PK	Type 3M, 5"	9/16"	5"	2	Heavy, 1/8" Diam.	**65.00**
L37-218	E5-3M6-2PK	Type 3M, 6"	9/16"	6"	2	Heavy, 1/8" Diam.	**42.49**
L37-223	E5-2M4-2PK	Type 2M, 4"	9/16"	4"	2	Light, 3/32" Diam.	**89.00**
L37-224	E5-2M5-2PK	Type 2M, 5"	9/16"	5"	2	Light, 3/32" Diam.	**99.00**
L37-225	E5-2M6-2PK	Type 2M, 6"	9/16"	6"	2	Light, 3/32" Diam.	**105.00**
L37-227	E5-2F5-2PK	Type 2F , 5"	9/16"	5"	2	Light, 3/32" Diam.	**85.00**

Westwood

Ignitor Gauge



- Used to align the electrodes for proper ignition
- Gauge sets oil burner electrodes at all nozzle spray angles by aligning the spray degree of the nozzle with the corresponding spray degree on the gauge

Order #	Mfg. #	Description	Each
L37-257	T100-220	Ignitor Gauge	**13.99**

Westwood

Nylo-Flex Oil Burner Coupling Kit

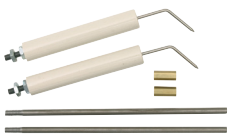


- Long lasting coupler provides on-the-spot oil burner coupling replacement
- For installation, simply cut the connector to desired length and slip on the correct end cap or adapter
- Precision die molded parts ensure an accurate fit every time
- Includes: 5" coupling assembly, 1/2" motor end cap, 7/16" and 5/16" pump end caps

Order #	Mfg. #	Each	3 Lot
L37-259	S85-500	**20.49**	**18.49**

Westwood

Oil Burner Electrode Kit



- Electrode repair kit for use with Beckett models AF, AR, SF and SR burners, through 9" air tubes
- Kit includes: Two each Beckett 151O ignitors, 3/16" x 6" buss bars, 10–32 nuts

Order #	Mfg. #	Each
L38-653	S88-36	**79.00**

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Fuel Oil Test Kit

- Determines pump efficiency, cut-off, suction, etc.
- Analyzes and troubleshoots burner efficiency
- Kit includes: 2" gauge with 30" 0–150 lbs. scale, 12" hose with necessary fittings and heavy-duty plastic case



Order #	Mfg. #	Each
H25-149	78020	**125.00**

King Combination Fill Alarm and Gauges

- For vertical tank applications
- Durable cast iron with corrosion-resistant powder coating
- Tangle-free solid link hinge withstands rough handling
- Large, easy-to-read, break-resistant plastic vial
- Meets 5 PSI air test requirements
- Fits tanks with 42" through 44" diameter
- Also available for horizontal applications



Order #	Mfg. #	Conn. Size Bottom	Conn. Size Top	Each
L87-320	4522	1-1/2" NPT (Male)	1-1/4" NPT (Female)	**125.00**
L87-321	4523	2" NPT (Male)	1-1/4" NPT (Female)	**125.00**
L87-322	4525	2" NPT (Male)	1-1/2" NPT (Female)	**125.00**
L87-323	4526	2" NPT (Male)	2" NPT (Female)	**145.00**

King Leakproof Tank Gauges

- Easy-to-read, break-resistant plastic vial suitable for outdoor conditions
- Float is impervious to petroleum products
- Tangle-free solid link hinge withstands rough handling
- Meets 5 PSI air test requirements
- Rust-proof zinc bushing
- Vertical style fits tanks with 42" through 44" diameter; horizontal fits tanks with 26" through 27" diameter



Order #	Mfg. #	Application	Conn. Size	Each
L87-324	4503	Horizontal	1-1/2" & 2" NPT (Male)	**85.00**
L87-325	4504	Vertical	1-1/2" & 2" NPT (Male)	**85.00**

Speedfill Caps and Connectors

- Rust-proof zinc castings
- Completely interchangeable with standard industry oil fill-pipe nozzle adapters



A



B



C



D



E

Fig.	Order #	Mfg. #	Description	Conn. Size	Each
A	**L41-922**	3100	Cap	—	**21.99**
B	**L41-923**	3212	Straight Connector	1-1/4" Female NPT	**33.49**
B	**L41-924**	3215	Straight Connector	1-1/2" Female NPT	**33.99**
B	**L41-925**	3220	Straight Connector	2" Female NPT	**35.99**
C	**L41-926**	3312	Straight Connector	1-1/4" Male NPT	**31.99**

Fig.	Order #	Mfg. #	Description	Conn. Size	Each
D	**L41-927**	3221	Straight-Cored Connector	2" Female NPT	**35.99**
E	**L41-928**	3412	45 Degree Connector	1-1/4" Female NPT	**46.99**
E	**L41-929**	3415	45 Degree Connector	1-1/2" Female NPT	**46.99**
E	**L41-930**	3420	45 Degree Connector	2" Female NPT	**47.49**

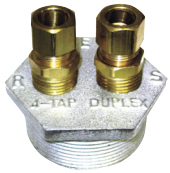
Beckett

Duplex Tank Bushings

- Slip-through male compression fittings
- Ideal for two line, supply and return installations



A



B



C

Fig.	Order #	Mfg. #	Description	Conn. Size	Each
A	**L41-931**	4468	3-Way Tap	2" NPT x 3/8" x 3/8"	**75.00**
A	**L41-932**	4470	3-Way Tap	2" NPT x 1/2" x 1/2"	**79.00**
B	**L41-933**	4475	4-Way Tap	2" NPT x 3/8" x 3/8"	**85.00**
B	**L41-934**	4476	4-Way Tap	2" NPT x 1/2" x 1/2"	**85.00**

Fig.	Order #	Mfg. #	Description	Conn. Size	Each
C	**L41-935**	4446	3-Way Tap (Union)	1-1/2" NPT x 3/8" x 3/8"	**105.00**
C	**L41-936**	4447	3-Way Tap (Union)	2" NPT x 3/8" x 3/8"	**55.00**
C	**L41-937**	4448	3-Way Tap (Union)	2" NPT x 1/2" x 1/2"	**69.00**

Beckett

Double Tapped Bushings

- Double Tapped full NPT female threads
- Rugged design has solid hexes for secure wrench grip
- Can be used as reducing bushings for continuous piping


A



B

Fig.	Order #	Mfg. #	Conn. Size	Each
A	**L41-938**	4566	1" x 1/2" (Hex Outside)	**24.99**
A	**L41-939**	4569	1-1/4" x 3/4" (Hex Outside)	**24.99**
A	**L41-940**	4570	1-1/4" x 1" (Hex Outside)	**24.99**
A	**L41-944**	4580	2" x 1-1/4 (Hex Outside)	**35.99**

Fig.	Order #	Mfg. #	Conn. Size	Each
A	**L41-945**	4581	2" x 1-1/2 (Hex Outside)	**39.49**
B	**L41-941**	4576	2" x 3/8" (Hex Inside)	**38.49**
B	**L41-942**	4577	2" x 1/2" (Hex Inside)	**35.99**
B	**L41-943**	4579	2" x 1" (Hex Inside)	**35.99**

Beckett



Hinged Fill Caps

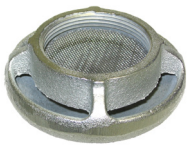
- Cast iron construction
- Economical locking style
- Vented design keeps out debris and water

Order #	Mfg. #	Conn. Size	Each
L41-946	4171	2" Female NPT	**65.00**
L41-947	4164	2" Male NPT	**69.00**

Beckett

Vent Caps

- Screen prevents debris from entering the vent pipe
- Zinc plated to prevent rust


A


B

Fig.	Order #	Mfg. #	Description	Conn. Size	Each
A	**L41-948**	4021	Cast Iron Mushroom Style	3/4" NPT	**27.99**
A	**L41-949**	4022	Cast Iron Mushroom Style	1" NPT	**35.99**
A	**L41-950**	4023	Cast Iron Mushroom Style	1-1/4" NPT	**40.49**
A	**L41-951**	4024	Cast Iron Mushroom Style	1-1/2" NPT	**49.49**
A	**L41-952**	4025	Cast Iron Mushroom Style	2" NPT	**75.00**
B	**L41-953**	4037	Steel Slip-on Style	1-1/4"	**13.49**
B	**L41-954**	4038	Steel Slip-on Style	1-1/2"	**17.49**
B	**L41-955**	4039	Steel Slip-on Style	2"	**41.99**

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Fusible Valves

- Designed to minimize fire hazards in oil heat applications
- When ambient temperature reaches +165°F, valves automatically close and shut off fuel supply to burner
- Can also be operated manually as required
- Double seal and backseat feature prevents leaks at the stem


A


B


C


D


E

Fig.	Order #	Mfg. #	Model #	Inlet Conn.	Outlet Conn.	Type	Each
A	**L41-890**	12810	B-100-F	3/8" NPT	3/8" NPT	Brass Globe	**79.00**
B	**L41-891**	12840	B-105-F	3/8" Flare	3/8" Flare	Brass Globe	**105.00**
C	**L41-892**	12830	B-200-F	1/2" NPT	1/2" NPT	Brass Globe	**189.00**
B	**L41-893**	12850	B-205-F	1/2" Flare	1/2" Flare	Brass Globe	**125.00**
D	**L43-756**	12930	B-104-CF	3/8" Flare	1/4" NPT	Brass Angle w/ 1-5/8" Shank	**89.00**
E	**L41-895**	12970	B-104-CFXL	3/8" Flare	1/4" NPT	Brass Angle w/ 2" Shank	**109.00**
D	**L41-896**	12950	B-204-CF	1/2" Flare	1/4" NPT	Brass Angle w/ 1-1/4" Shank	**115.00**
E	**L41-897**	12980	B-204-CFXL	1/2" Flare	1/4" NPT	Brass Angle w/ 2" Shank	**145.00**

Thermal Switches

- Safety device providing additional protection to fuel burner installations
- Switch is installed in the electrical power line to the burner and removes power when ambient temperature exceeds 165°F
- With proper installation, there are no exposed electrical wires or contacts


A

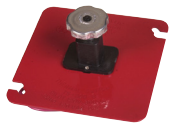

B

Fig.	Order #	Mfg. #	Model #	Description	Each
A	**L41-915**	12527	TS-150B	For 3-1/4" and 4" Round Junction Boxes	**65.00**
B	**L41-916**	12501	TS-300B	For 4" Square Junction Boxes	**65.00**

Gas And Oil Burner Emergency Switch Plates

- Red with white letters



A



B



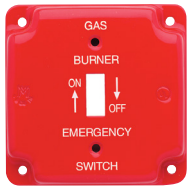
C



D



E



F


G

Fig.	Order #	Description	Size	Type	Each
A	**G31-780**	Switch Box (Flush Mounting)	2-3/4" x 4-1/2"	Oil	**27.99**
B	**G31-781**	Utility/Handy Box	2" x 4"	Oil	**6.99**
C	**G31-782**	4" Square	4" x 4"	Oil	**21.99**
D	**G31-783**	Switch Box (Flush Mounting)	2-3/4" x 4-1/2"	Gas	**13.49**
E	**G31-784**	Utility/Handy Box	2-1/4" x 4"	Gas	**8.99**
F	**G31-785**	4" Square	4" x 4"	Gas	**21.99**
G	**G31-786**	Switch Guard (Wall Plate and Switch Not Included)	—	—	**22.49**

resideo

Cadmium Sulfide Flame Detectors



- Use with R7184 or R8184 Protectorelay oil primary controls
- Causes primary control to shut down main burner on flame loss or system malfunction
- Glass-to-metal hermetic seal prevents deterioration of cell by humidity, soot or oil fumes
- Mounting bracket included; 60" leads
- Two QC terminals available for cad cell termination
- **L39-585** features 1/4" quick connects and multiple brackets

Order #	Mfg. #	Description	Each
L37-030	C554A1463	Flame Detector	**85.00**
L39-585	C554A1794	Flame Detector	**75.00**
L37-031	130367	Replacement Cell	**89.00**

Firomatic

Tank Valves



A



B

- For use with oil tanks or drums
- Allows direct hook-up from the tank to the oil filter
- Bodies are cast bronze for strength and corrosion protection
- Supplied with 3/8" brass nipple so outlet can be male or female

Fig.	Order #	Mfg. #	Model #	Inlet Conn.	Outlet Conn.	Type	Each
A	**L41-898**	12640	141-TF	1/2" NPT	3/8" NPT	Fusible	**155.00**
B	**L41-899**	12650	191-TF	1/2" NPT	3/8" NPT	Fusible "Sidewinder"	**165.00**

Firomatic

Check Valves



A



B



C

- Prevents reverse flow in fuel lines
- Soft elastomer seat used for tight shut-off

Fig.	Order #	Mfg. #	Model #	Inlet Conn.	Outlet Conn.	Type	Each
A	**L41-903**	12410	B100-HCV	3/8" NPT	3/8" NPT	Brass	**85.00**
B	**L41-904**	12420	B105-HCV	3/8" Flare	3/8" Flare	Brass	**99.00**
C	**L41-905**	12430	B200-HCV	1/2" NPT	1/2" NPT	Brass	**185.00**

Beckett

Hand Pumps



A



B



C

- Combination pressure and vacuum hand pump for air or liquids
- Use to clean lines, free stuck valves, prime pumps, and pressure tests
- **L41-906** is fitted with two check valves for attaching directly onto lines, use with extension tubing, or pipe permanently into system
- **L41-908** hose kit includes reinforced hoses and fittings

Fig.	Order #	Mfg. #	Description	Each
A	**L41-906**	12552	Hand Pump Assembly	**745.00**
B	**L41-907**	12551	Hand Pump Only	**465.00**
C	**L41-908**	12562	Hose Kit	**545.00**

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PROVIDING YOU UNIVERSAL TRUCK STOCK OPTIONS

Ask About Our Replenishment Programs Today!



resideo

L-Series Water Leak Control

Professional-Grade Water Damage Prevention

By teaming the L1 Wi-Fi Water Leak & Freeze Detector with the L5 Wi-Fi Water Leak Shutoff Valve, your customers have a comprehensive water management system that can be controlled from most anywhere via WiFi.



L-SERIES WATER LEAK AND FREEZE DETECTOR



L5 Wi-Fi Water Leak Shutoff Valve

- Shuts off the water supply when paired with the L1 Detector or one of the sensing cables
- Controls the valve remotely through the Resideo App
- Manual override to turn on or off

Order #	Mfg. #	Description
L51-334	VWS02Y-1/2	½" NPT L5 Valve
L51-335	VWS02Y-3/4	¾" NPT L5 Valve
L51-336	VWS02Y-1	1" L5 Valve
L51-337	VWS02Y-11/4	1-1/4" NPT L5 Valve

L1 Wi-Fi Water Leak and Freeze Detector

- Alerts to leaks with LED lights and a 100 dBA alarm
- Reset and reuse the device after detection
- Includes 5 ft sensor cable
- Runs on two AA batteries, no wiring, hub, or base required

Order #	Mfg. #	Description
L51-332	CHW3610W8001/U	Single Pack
L51-333	YCHW3000W3003/U	Triple Pack





Commercial Pumps

Specialty Pumps 532-533
Sump Pumps 531-532
Utility Pumps 533

Hydronics

Baseboard Heaters 530-531
Boiler Controls 524-530
Chillers & Condensers 488
Controls 509-521
Expansion Tanks 488-489
Gauges 522-523
Kickspace Heaters 530
Pumps & Parts 464-487
Thermometers 523-524
Valves 490-508

00 Series Cartridge Circulator Pumps

- Designed for hydronic heating and chilled water systems
- Compact, lightweight, self-lubricating, direct drive design
- Wet rotor circulator
- Operates in systems up to 125 PSI and 230°F
- Iron pumps for closed systems, stainless steel or bronze for open systems
- 3250 RPM
- N/A in chart indicates not to operate pumps at these low head levels
- **L86-212** through **L86-215** include flanges
- **L80-893**, **L87-211** and **L87-214** have a removable integral flow check that eliminates the need for a separate in-line flow check
- **L87-212** has a built-in transformer, relay and priority switch for easy installation of an additional zone or indirect hot water heater



A



B



C

Fig.	Order #	Mfg. #	Body Type	Volts	Phase	RPM	HP	Conn.	Flange Size	Flange to Flange	Wt. Lbs.	GPM @ 1'	GPM @ 3'	GPM @ 5'	GPM @ 7'	GPM @ 8'	GPM @ 10'	GPM @ 16'	GPM @ 24'	GPM @ 30'
A	**L80-074**	008-F6	Cast Iron	115	1	3250	1/25	Flanged	3/4", 1", 1-1/4", 1-1/2"	6-3/8"	8	N/A	13	12	—	10	9	—	—	—
A	**L86-128**	007-F5	Cast Iron	115	1	3250	1/25	Flanged	3/4", 1", 1-1/4", 1-1/2"	6-3/8"	8	N/A	20	17	—	10	—	—	—	—
A	**L86-129**	006-B4	Bronze	115	1	3250	1/40	3/4" SWT	—	—	6	9	8	5	—	2	—	—	—	—
A	**L86-130**	006-SC4-1	Stainless Steel	115	1	3250	1/40	1-1/4" Union	—	—	6	9	8	5	—	2	—	—	—	—
A	**L86-131**	008-SF6	Stainless Steel	115	1	3250	1/25	Flanged	3/4", 1", 1-1/4", 1-1/2"	6-3/8"	9	N/A	13	12	—	10	9	—	—	—
A	**L86-208**	009-SF5	Stainless Steel	115	1	3250	1/8	Flanged, Rotated	3/4", 1", 1-1/4", 1-1/2"	6-3/8"	10	N/A	N/A	N/A	—	8	7	6	4	2
A	**L86-209**	0010-SF3	Stainless steel	115	1	3250	1/8	Flanged	3/4", 1", 1-1/4", 1-1/2"	6-3/8"	9	N/A	28	24	—	14	8	—	—	—
A	**L86-210**	0011-F4	Cast Iron	115	1	3250	1/8	Flanged, Rotated	3/4", 1", 1-1/4", 1-1/2"	6-1/2"	12	N/A	27	25	—	22.5	21	16	9	—
A	**L86-211**	0011-SF4	Stainless Steel	115	1	3250	1/8	Flanged, Rotated	3/4", 1", 1-1/4", 1-1/2"	6-1/2"	12.5	N/A	27	25	—	22.5	21	16	9	—
A	**L86-212**	0012-F4	Cast Iron	115	1	3250	1/8	Flanged	1-1/2" (included)	8-1/2"	13	N/A	N/A	42	—	31	25	—	—	—
A	**L86-213**	0012-F4-1	Cast Iron	115	1	3250	1/8	Flanged	2" (included)	8-1/2"	13	N/A	N/A	42	—	31	25	—	—	—
A	**L86-214**	0012-SF4	Stainless Steel	115	1	3250	1/8	Flanged	1-1/2" (included)	8-1/2"	13	N/A	N/A	42	—	31	25	—	—	—
A	**L86-215**	0012-SF4-1	Stainless Steel	115	1	3250	1/8	Flanged	2" (included)	8-1/2"	13	N/A	N/A	42	—	31	25	—	—	—
A	**L86-216**	006-ST4	Stainless Steel	115	1	3250	1/40	3/4" NPT	—	—	6	9	8	5	—	2	—	—	—	—
A	**L86-340**	003-BC4	Bronze	115	1	3250	1/40	1/2" SWT	—	—	6	6	3	—	—	—	—	—	—	—
A	**L86-341**	003-B4	Bronze	115	1	3250	1/40	3/4" SWT	—	—	6	6	3	—	—	—	—	—	—	—
A	**L86-342**	0013-F3	Cast Iron	115	1	3250	1/6	Flanged, Rotated	3/4", 1", 1-1/4", 1-1/2"	6-1/2"	14	N/A	N/A	33	—	30	28	20	8	5
A	**L86-343**	0013-SF3	Stainless Steel	115	1	3250	1/6	Flanged, Rotated	3/4", 1", 1-1/4", 1-1/2"	6-1/2"	14.5	N/A	N/A	33	—	30	28	20	8	5
A	**L86-344**	0014-F1	Cast Iron	115	1	3250	1/8	Flanged, Rotated	3/4", 1", 1-1/4", 1-1/2"	6-1/2"	14	N/A	N/A	30	—	25	22	12	—	—
A	**L86-345**	0014-SF1	Stainless Steel	115	1	3250	1/8	Flanged, Rotated	3/4", 1", 1-1/4", 1-1/2"	6-1/2"	14.5	N/A	N/A	30	—	25	22	12	—	—
A	**L87-210**	007-SF5	Stainless Steel	115	1	3250	1/25	Flanged	3/4", 1", 1-1/4", 1-1/2"	6-3/8"	9	N/A	20	17	—	10	3	—	—	—
A	**L87-213**	009-F5	Cast Iron	115	1	3250	1/8	Flanged, Rotated	3/4", 1", 1-1/4", 1-1/2"	6-3/8"	9.5	N/A	N/A	N/A	—	8	7	6	4	2
A	**L87-214**	0010-F3-1IFC	Cast Iron	115	1	3250	1/8	Flanged	3/4", 1", 1-1/4", 1-1/2"	6-3/8"	10	28	23	17	—	8	—	—	—	—
B	**L81-492**	007-F5-7IFC	Cast Iron	115	1	3250	1/25	Flanged	3/4", 1", 1-1/4", 1-1/2"	6-3/8"	8	—	12.5	—	7	—	—	—	—	—
C	**L80-893**	007-ZF5-3IFC	Cast Iron	115	1	3250	1/25	Flanged	3/4", 1", 1-1/4", 1-1/2"	6-3/8"	9	22	19	15	—	8	—	—	—	—
C	**L87-212**	007-ZF5-9	Cast Iron	115	1	3250	1/25	Flanged	3/4", 1", 1-1/4", 1-1/2"	6-3/8"	9	N/A	20	17	—	10	3	—	—	—
C	**L87-211**	007-F5-8IFC	Cast Iron	115	1	3250	1/25	Flanged, Rotated	3/4", 1", 1-1/4", 1-1/2"	6-3/8"	8	11	10	8	—	4	—	—	—	—

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3-Speed Cartridge Circulator Pumps

- Fine tune control to match system requirements
- Removable, high-flow integral flow check (IFC) prevents gravity flow and improves pump performance
- For use in systems up to 125 PSI and 230°F
- 3250 RPM
- Flow data shown below is at high-speed setting



A



B

Fig.	Order #	Mfg. #	Body Type	Volts	RPM	HP	Conn.	Flange Size	Wt. Lbs.	GPM @ 0'	GPM @ 1'	GPM @ 2'	GPM @ 3'	GPM @ 4'	GPM @ 5'	GPM @ 6'	GPM @ 7'	GPM @ 8'	GPM @ 10'	GPM @ 12'	GPM @ 13'	GPM @ 15'
A	**L81-521**	0010-MSF2-IFC	Cast Iron	115	3250	1/20	Flanged, Universal	3/4", 1", 1-1/4", 1-1/2"	10	31	30	27	25	23	21	18	16	12	—	—	—	—
B	**L81-520**	0015-MSF3-1IFC	Cast Iron	115	3250	1/20	Flanged, Rotated	3/4", 1", 1-1/4", 1-1/2"	8	17	16	15.5	15	14	13.5	12.5	12	11	9	7	6	2
B	**L81-519**	0015-MSF3-IFC	Cast Iron	115	3250	1/20	Flanged	3/4", 1", 1-1/4", 1-1/2"	8	17	16	15.5	15	14	13.5	12.5	12	11	9	7	6	2

Replacement Parts and Accessories



Order #	Mfg. #	Description	For Use With
L45-670	00R-005RP	Cartridge Assembly - various 00R & 0015	00R-MSF1-4IFC, 00R-MSF1-6IFC, 00R-MSF2-IFC, 00R-MSF2-1IFC, 0015-MSF1-IFC, 0015-MSF1-1IFC, 0015-MSF2-IFC, 0015-MSF2-1IFC - Cast Iron
L38-737	003-001RP	Cartridge Assembly - 003 BRZ or SS	003 Series - Bronze or Stainless Steel
L37-399	005-020RP	Cartridge Assembly - 005, 006 BRZ or SS	005, 006 Series - Bronze or Stainless Steel
L37-398	007-042RP	Cartridge Assembly - 007 CI	007 Series - Cast Iron (115V/230V)
L41-635	007-045RP	Cartridge Assembly - 007 BRZ or SS	007 Series - Bronze or Stainless Steel
L37-400	008-045RP	Cartridge Assembly - 008 BRZ of SS	008 Series - Bronze or Stainless Steel (115V/230V)
L41-636	009-021RP	Cartridge Assembly - 009 CI	009 Series - Cast Iron
L37-867	009-022RP	Cartridge Assembly - 009 BRZ or SS	009 Series - Bronze or Stainless Steel
L37-401	0010-021RP	Cartridge Assembly - 0010 CI	0010 Series - Cast Iron
L37-868	0010-022RP	Cartridge Assembly - 0010 BRZ or SS	0010 Series - Bronze or Stainless Steel
L43-738	0010-031RP	Cartridge Assembly - 0010-MSF1-IFC & -1IFC	0010-MSF1-IFC, 0010-MSF1-1IFC
L47-664	0010-034RP	Cartridge Assembly - 0010 MSF2	0010-MSF2-IFC only
L37-869	0011-009RP	Cartridge Assembly - 0011 CI	0011 Series - Cast Iron (115V/230V)
L38-251	0011-010RP	Cartridge Assembly - 0011 BRZ or SS	0011 Series - Bronze or Stainless Steel
L37-870	0012-011RP	Cartridge Assembly - 0012 CI	0012 Series - Cast Iron (115V/230V)
L38-252	0012-012RP	Cartridge Assembly - 0012 BRZ or SS	0012 Series - Bronze or Stainless Steel
L38-738	0013-007RP	Cartridge Assembly - 0013 CI	0013 Series - Cast Iron (115V/230V)
L38-739	0013-008RP	Cartridge Assembly - 0013 BRZ or SS	0013 Series - Bronze or Stainless Steel (115V/203V, 0011 277V)
L38-740	0014-004RP	Cartridge Assembly - 0014 CI	0014 Series - Cast Iron (115V/230V)
L38-741	0014-003RP	Cartridge Assembly - 0014 BRZ or SS	0014 Series - Bronze or Stainless Steel (115V/230V)
L47-663	0015-002RP	Cartridge Assembly - 0015-MSF3-IFC & -1IFC	0015-MSF3-IFC & 0015-MSF3-1IFC models only
L38-390	007-007RP	Flange Gaskets (2-Pack)	00 Series, 100 Series, 2400-10, 2400-20, 2400-45, 2400-50
L37-402	110-251F	3/4" NPT Cast Iron Flange Set	005, 007, 008, 009, 0010, 0011, 0013, 0014, 0015, 110, 111, 112, 113, 2400-10, 2400-20, 2400-45, 2400-50
L37-403	110-252F	1" NPT Cast Iron Flange Set	005, 007, 008, 009, 0010, 0011, 0013, 0014, 0015, 110, 111, 112, 113, 2400-10, 2400-20, 2400-45, 2400-50
L37-404	110-253F	1-1/4" NPT Cast Iron Flange Set	005, 007, 008, 009, 0010, 0011, 0013, 0014, 0015, 110, 111, 112, 113, 2400-10, 2400-20, 2400-45, 2400-50
L37-405	110-254F	1-1/2" NPT Cast Iron Flange Set	005, 007, 008, 009, 0010, 0011, 0013, 0014, 0015, 110, 111, 112, 113, 2400-10, 2400-20, 2400-45, 2400-50
L37-406	110-251SF	3/4" NPT Stainless Steel Flange Set	005, 007, 008, 009, 0010, 0011, 0013, 0014, 0015, 110, 111, 112, 113, 2400-10, 2400-20, 2400-45, 2400-50
L37-407	110-252SF	1" NPT Stainless Steel Flange Set	005, 007, 008, 009, 0010, 0011, 0013, 0014, 0015, 110, 111, 112, 113, 2400-10, 2400-20, 2400-45, 2400-50
L37-408	110-253SF	1-1/4" NPT Stainless Steel Flange Set	005, 007, 008, 009, 0010, 0011, 0013, 0014, 0015, 110, 111, 112, 113, 2400-10, 2400-20, 2400-45, 2400-50
L37-409	110-254SF	1-1/2" NPT Stainless Steel Flange Set	005, 007, 008, 009, 0010, 0011, 0013, 0014, 0015, 110, 111, 112, 113, 2400-10, 2400-20, 2400-45, 2400-50
L37-871	194-1540F	1-1/4" NPT Cast Iron Flange Set	0012-F4, 2400-30, 2400-40 with 1-1/2" flange
L37-872	194-1542F	1-1/2" NPT Cast Iron Flange Set	0012-F4, 2400-30, 2400-40 with 1-1/2" flange
L38-725	194-2124F	2" NPT Cast Iron Flange Set	0012-F4-1, 2400-50/2 with 2", 2 bolt flange
L37-873	194-1540SF	1-1/4" NPT Stainless Steel Flange Set	0012-SF4, 2400-30S, 2400-40S with 1-1/2" flange
L37-874	194-1542SF	1-1/2" NPT Stainless Steel Flange Set	0012-SF4, 2400-30S, 2400-40S with 1-1/2" flange
L38-726	194-2124SF	2" NPT Stainless Steel Flange Set	0012F4-1, 2400-50/2 with 2" 2 bolt flange

007e ECM High-Efficiency Circulators


A


B

- Ideal for hydronic systems zoned with circulators or zone valves
- High efficiency ECM motor uses up to 85% less electricity
- BIO Barrier protects pump from system contaminants
- SureStart automatically frees locked rotor condition and self-purges air from pump
- Integral Flow Check (IFC) included
- Dual electrical knockouts, 6" stranded wire leads included
- 10' shut-off head, 16 gpm max flow
- Double insulated, no ground wire required
- Cast iron
- **L82-017** is a standard 2-bolt flange
- **L82-018** is a universal 4-bolt

Fig.	Order #	Mfg. #	Body Type	Volts	RPM	HP	Conn.	Flange Size	Flange to Flange	Wt. Lbs.	GPM @ 0'	GPM @ 1'	GPM @ 3'	GPM @ 5'	GPM @ 7'	GPM @ 10'
A	**L82-017**	007e-2F2	Cast Iron	120	1590-4830	1/25	2-Bolt Flanged	3/4", 1", 1-1/4", 1-1/2"	6-3/8"	6	16	15	14	12	11	8
B	**L82-018**	007e-2F4	Cast Iron	120	1590-4830	1/25	4-Bolt Flanged, Universal	3/4", 1", 1-1/4", 1-1/2"	6-3/8"	6	16	15	14	12	11	8

006e3™ ECM High Efficiency Hot Water Circulators


A


B

- Infinitely variable, high efficiency wet rotor circulator with an ECM permanent magnet motor
- Low, medium and high settings
- Compact for tight spaces
- Multiple connection options
- ECM motor uses up to 85% less electricity
- SureStart automatic unblocking and air purging mode
- Not suitable for chilled water
- **L82-144** Includes a 6' power cord

Fig.	Order #	Mfg. #	Model #	Body Type	Volts	RPM	HP	Conn.	Flange Size	Wt. Lbs.
A	**L82-143**	006e3	VM1212-DY1-UP2A00	Composite	120	1440-3720	1/40	1" Union	(Optional 1/2" & 3/4" fitting sets available)	3.5
B	**L82-144**	006e3-LC	VM1212-DY1-UP2A01	Composite	120	1440-3720	1/40	1" Union	(Optional 1/2" & 3/4" fitting sets available)	4

Additional Specifications

Fig.	Order #	Mfg. #	GPM @ 0'	GPM @ 1'	GPM @ 2'	GPM @ 3'	GPM @ 4'	GPM @ 5'	GPM @ 6'	GPM @ 7'	GPM @ 8'	GPM @ 10'	GPM @ 12'	GPM @ 13'
A	**L82-143**	006e3	11	10.75	10.25	10	9.5	9	8.5	8	7.25	6	4	1
B	**L82-144**	006e3-LC	11	10.75	10.25	10	9.5	9	8.5	8	7.25	6	4	1

Fitting Set for 006e3™ ECM Circulator & SmartPlus-e™(SPe-1)



- Fitting Set for 006e3 ECM Circulator & SmartPlus-e (SPe-1)
- Various connections, see chart
- Includes 2 gaskets, 2 union nuts, 2 tail pieces

Order #	Mfg. #	Description
L49-964	UFS-050S	1/2" Sweat Union
L49-965	UFS-050P	1/2" Press Union
L49-966	UFS-050T	1/2" NPT Union

Order #	Mfg. #	Description
L49-967	UFS-075S	3/4" Sweat Union
L49-968	UFS-075P	3/4" Press Union
L49-969	UFS-075T	3/4" NPT Union

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0015e 3-Speed ECM High-Efficiency Circulators

- Ideal for hydronic systems zoned with circulators or zone valves
- High efficiency ECM motor uses up to 85% less electricity
- BIO Barrier protects pump from system contaminants
- SureStart automatically frees locked rotor condition and self-purges air from pump
- Integral Flow Check (IFC) included
- Dual electrical knockouts, 6" stranded wire leads included
- 3 easy settings: LOW (5' head), MEDIUM (10' head), HIGH (18' head),16 gpm max flow
- Double insulated, no ground wire required
- Cast iron
- Not suitable for potable water or chilled water systems
- **L82-095** is a standard, 2-bolt flange
- **L82-096** is a universal, 4-bolt flange



A



B

Fig.	Order #	Mfg. #	Model #	Body Type	Volts	Phase	RPM	HP	Conn.	Flange Size	Flange to Flange	Wt. Lbs.
A	**L82-095**	0015e3-2F2	VM1816-HY2-FC2A00	Cast Iron	120	1	1590-4830	1/25	2-Bolt Flanged	3/4", 1", 1-1/4", 1-1/2"	6-3/8"	6
B	**L82-096**	0015e3-2F4	VM1816-HY2-4C2A00	Cast Iron	120	1	1590-4830	1/25	2-Bolt Flanged, Universal	3/4", 1", 1-1/4", 1-1/2"	6-3/8"	6

Additional Specifications

Fig.	Order #	Mfg. #	GPM @ 0'	GPM @ 1'	GPM @ 2'	GPM @ 3'	GPM @ 4'	GPM @ 5'	GPM @ 6'	GPM @ 7'	GPM @ 8'	GPM @ 10'	GPM @ 12'	GPM @ 13'	GPM @ 15'	GPM @ 16'
A	**L82-095**	0015e3-2F2	16	15	14.25	13.5	12.75	12	11.5	10.5	10	8.5	7	6.5	5.25	4.75
B	**L82-096**	0015e3-2F4	16	15	14.25	13.5	12.75	12	11.5	10.5	10	8.5	7	6.5	5.25	4.75

0034e ECM Variable Speed Circulators

- High-performance, variable speed, wet-rotor circulator with high-efficiency ECM permanent magnet technology
- With an easy-to-use dial and 5 easy settings, its variable speed performance curves are equivalent to the Taco 009, 0010, 0011, 0012, 0012 3-Speed, 0013, 0013 3-Speed & 0014
- Ideal for large residential and light commercial hydronic heating, chilled water cooling and domestic hot water systems
- Reduces power consumption by up to 85% compared to equivalent AC permanent split capacitor circulators



A



B



C



D

Fig.	Order #	Mfg. #	Model #	Description	Body Type	Volts	RPM	HP	Conn.	Flange Size	Flange to Flange
A	**L82-429**	0034e-F2	VM3450-HD1-RC2W00	Cast Iron, ECM, analog	Cast Iron	115/208/230	830-4300	1/4	Flanged, Rotated	3/4", 1", 1-1/4", 1-1/2"	6-1/2"
B	**L82-430**	0034e-SF2	VM3450-DD1-RS2W00	Stainless Steel, ECM, analog	Stainless Steel	115/208/230	830-4300	1/4	Flanged, Rotated	3/4", 1", 1-1/4", 1-1/2"	6-1/2"
C	**L82-431**	0034eP-F2	VR3450-HY1-FC2A00	Cast Iron, ECM, digital user interface	Cast Iron	115/208/230	830-4300	1/4	Flanged, Rotated	3/4", 1", 1-1/4", 1-1/2"	6-1/2"
D	**L82-432**	0034eP-SF2	VR3450-HY1-FS2A00	Stainless Steel, ECM, digital user interface	Stainless Steel	115/208/230	830-4300	1/4	Flanged, Rotated	3/4", 1", 1-1/4", 1-1/2"	6-1/2"

Additional Specifications

Fig.	Order #	Mfg. #	GPM @ 0'	GPM @ 1'	GPM @ 2'	GPM @ 3'	GPM @ 4'	GPM @ 5'	GPM @ 6'	GPM @ 7'	GPM @ 8'	GPM @ 10'	GPM @ 12'	GPM @ 13'	GPM @ 15'	GPM @ 16'	GPM @ 18'	GPM @ 20'	GPM @ 22'	GPM @ 23'	GPM @ 24'	GPM @ 25'	GPM @ 28'	GPM @ 29'	GPM @ 30'	GPM @ 35'
A	**L82-429**	0034e-F2	50	50	50	48	46	45	44	42	40	37	35	33	31	29	27	24	22	21	20	18	15	14	13	0
B	**L82-430**	0034e-SF2	50	50	50	48	46	45	44	42	40	37	35	33	31	29	27	24	22	21	20	18	15	14	13	0
C	**L82-431**	0034eP-F2	50	50	50	48	46	45	44	42	40	37	35	33	31	29	27	24	22	21	20	18	15	14	13	0
D	**L82-432**	0034eP-SF2	50	50	50	48	46	45	44	42	40	37	35	33	31	29	27	24	22	21	20	18	15	14	13	0

0018e ECM High-Efficiency Circulators with Bluetooth



A



B

- The 00e® series 0018e circulator is a variable speed wet rotor circulator with an ECM permanent magnet motor
- Operating modes include infinitely variable fixed speed, constant pressure, proportional pressure, activeADAPT self-adjusting proportional pressure
- Adjust the operating mode with the dial or the Taco 0018e ECM Circulator Mobile App using Bluetooth® connectivity on your smartphone or tablet
- The ECM high-efficiency motor reduces power consumption by up to 85% compared to equivalent AC permanent split capacitor circulators
- NOT suitable for chilled water or open loop potable water systems

Fig.	Order #	Mfg. #	Model #	Body Type	Volts	Phase	RPM	HP	Conn.	Flange Size	Flange to Flange	Wt. Lbs.
A	**L82-269**	0018e-2F2	VR1816-HY2-FC2A01	Cast Iron	120	1	1590-4830	1/25	Flanged	3/4", 1", 1-1/4", 1-1/2"	6-3/8"	6
B	**L82-270**	0018e-2F4	VR1816-HY2-4C2A01	Cast Iron	120	1	1590-4830	1/25	Flanged, Universal	3/4", 1", 1-1/4", 1-1/2"	6-3/8"	6

Additional Specifications

Fig.	Order #	Mfg. #	GPM @ 0'	GPM @ 1'	GPM @ 2'	GPM @ 3'	GPM @ 4'	GPM @ 5'	GPM @ 6'	GPM @ 7'	GPM @ 8'	GPM @ 10'	GPM @ 12'	GPM @ 13'	GPM @ 15'	GPM @ 16'	GPM @ 18'
A	**L82-269**	0018e-2F2	16	15.3	14.6	13.9	13.2	12.5	11.8	11.1	10.4	8.9	7.5	6.8	5.4	4.7	1
B	**L82-270**	0018e-2F4	16	15.3	14.6	13.9	13.2	12.5	11.8	11.1	10.4	8.9	7.5	6.8	5.4	4.7	1

0026e™ ECM High-Efficency Circulators



A



B

- The 0026e is a high-performance, variable speed, wet-rotor circulator with high-efficiency ECM permanent magnet technology
- Ideal for large residential and light commercial hydronic heating, chilled water cooling and domestic hot water systems
- Reduces power consumption by up to 85% compared to equivalent AC permanent split capacitor circulators
- Rotatable cover allows mounting in any orientation
- Cast iron or stainless steel

Fig.	Order #	Mfg. #	Model #	Description	Body Type	Volts	RPM	HP	Conn.	Flange Size
A	**L82-537**	0026e-F2	VM2644-HD1-RC2W00	Cast Iron ECM Circulator	Cast Iron	115/208/230	830-3800	1/6	Flanged, Rotated	3/4", 1", 1-1/4", 1-1/2"
B	**L82-538**	0026e-SF2	VM2644-DD1-RS2W00	Stainless Steel ECM Circulator	Stainless Steel	115/208/230	830-3800	1/6	Flanged, Rotated	3/4", 1", 1-1/4", 1-1/2"

Additional Specifications

Fig.	Order #	Mfg. #	GPM @ 0'	GPM @ 1'	GPM @ 2'	GPM @ 3'	GPM @ 4'	GPM @ 5'	GPM @ 6'	GPM @ 7'	GPM @ 8'	GPM @ 10'	GPM @ 12'	GPM @ 13'	GPM @ 15'	GPM @ 16'	GPM @ 18'	GPM @ 20'	GPM @ 22'	GPM @ 23'	GPM @ 24'	GPM @ 25'
A	**L82-537**	0026e-F2	44	44	44	44	42	40	38	37	35	31	28	26	23	22	19	16	13	11	10.5	10
B	**L82-538**	0026e-SF2	44	44	44	44	42	40	38	37	35	31	28	26	23	22	19	16	13	11	10.5	10

VR1816 Infinitely Variable Speed ECM High-Efficiency Circulator



- Infinitely variable speed, ECM high-efficiency Delta-P (Differential Pressure) circulator that can operate in 3 different modes: Infinitely Variable Fixed Speed (min/max), Constant Pressure Variable Speed, Proportional Pressure Variable Speed
- High-Efficiency ECM motor uses up to 85% less electricity
- Performance range of 18' shut-off and 16 gpm max flow
- Easy to use selector dial to change the operating mode to match system design
- Multi-color LED's indicate operating mode or error code diagnostics
- Power range from 4-44 watts
- Innovative BIO Barrier protects the pump from system contaminants
- Whisper quiet operation
- Unique Sure Start automatic unblocking and air purging mode
- Nut-capture feature on flanges
- Dual electric knockouts
- Integral Flow Check (IFC) included
- 60Hz, single phase

Order #	Mfg. #	Body Type	Volts	Phase	RPM	HP	Conn.	Flange Size	Flange to Flange	Wt. Lbs.
L81-759	VR1816-HY2-FC2A00	Cast iron	120	1	1590-4830	1/25	2-Bolt Flanged	3/4", 1", 1-1/4", 1-1/2"	6-3/8"	6

Additional Specifications

Order #	Mfg. #	GPM @ 0'	GPM @ 1'	GPM @ 2'	GPM @ 3'	GPM @ 4'	GPM @ 5'	GPM @ 6'	GPM @ 7'	GPM @ 8'	GPM @ 10'	GPM @ 12'	GPM @ 13'	GPM @ 15'	GPM @ 16'
L81-759	VR1816-HY2-FC2A00	16	15	14.5	13.5	13	12	11.5	11	10	8.5	7	6.5	5	4.5

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1915e ECM High-Efficiency In-Line Circulator Pumps

- The ECM 1915e is a self-sensing, close coupled, mechanically sealed in-line circulator pump with an advanced hydraulic design
- It features a high-efficiency volute, permanent magnet motor with ECM technology and integrated frequency drive
- Versatile control options include constant pressure, constant speed, proportional pressure, 0-10VDC and parallel pump alternation
- These standard features combined with the intuitive user interface allow for quick start-ups achieving optimum system efficiency and maximum comfort
- Ductile Iron for closed loop hydronic heating and cooling systems.


A


B

Fig.	Order #	Mfg. #	Model #	Body Type	Volts	Phase	RPM	HP	Conn.	Flange Size	Flange to Flange	Wt. Lbs.	GPM @ 0'	GPM @ 1'	GPM @ 2'	GPM @ 3'
A	**L82-271**	1915ecm-F	VR65120-HB2-FC2A01	Ductile Iron	200/240	1	Variable	0.027 - 0.75	Flanged	1-1/2" (included)	10.4"	30.5	120	118.1	116.3	114.5
B	**L82-273**	1915ecm-SF	VR65120-CB2-FS2A01	Stainless Steel	200/240	1	Variable	0.027 - 0.75	Flanged	1-1/2" (included)	10.4"	30.5	120	118.1	116.3	114.5

Additional Specifications

Fig.	Order #	Mfg. #	GPM @ 4'	GPM @ 5'	GPM @ 6'	GPM @ 7'	GPM @ 8'	GPM @ 10'	GPM @ 12'	GPM @ 13'	GPM @ 15'	GPM @ 16'	GPM @ 18'	GPM @ 20'	GPM @ 22'	GPM @ 23'	GPM @ 24'	GPM @ 25'	GPM @ 28'	GPM @ 29'	GPM @ 30'	GPM @ 35'	GPM @ 36'	GPM @ 40'	GPM @ 50'	GPM @ 60'
A	**L82-271**	1915ecm-F	112.6	110.8	108.9	107.1	105.2	101.5	97.8	96	92.3	90.5	86.8	83.1	79.4	77.5	75.7	73.8	68.3	66.5	64.6	55.4	53.5	46.2	27.7	9.2
B	**L82-273**	1915ecm-SF	112.6	110.8	108.9	107.1	105.2	101.5	97.8	96	92.3	90.5	86.8	83.1	79.4	77.5	75.7	73.8	68.3	66.5	64.6	55.4	53.5	46.2	27.7	9.2

VT2218 Delta-T Variable Speed ECM High-Efficiency Circulator

- Delta-T (Differential Temperature), Variable Speed, ECM High-efficiency circulator
- Senses system water temperature
- Accurately controls speed/gpm flow to precisely match the heat loss in the system and maintain a constant design Delta-T
- Overall system comfort, efficiency and energy savings are maximized
- Delta-T with settings from 5-50°F (20°F factory preset)
- Constant Speed - 4 fixed speed settings
- Set Point Heat (50-220°F)
- Set Point Cool (32-100°F)
- Boiler protection (100-160°F)
- Performance range of 22' shut-off head and 18 gpm max flow
- Easy 3 button programming
- Full view LCD provides real time data
- Power range from 9-58 watts
- Full speed over-ride option for system fill and purging
- Innovative BIO Barrier protects the pump from system contaminants
- Whisper quiet operation
- Nut-capture feature on flanges
- Integral Flow Check (IFC) included
- 50/60Hz, single phase



Order #	Mfg. #	Body Type	Volts	Phase	RPM	HP	Conn.	Flange Size	Flange to Flange	Wt. Lbs.
L81-760	VT2218-HY2-FC1A00	Cast iron	110/120	1	1650-4200	1/25	2-Bolt Flanged	3/4", 1", 1-1/4", 1-1/2"	6-3/8"	8

Additional Specifications

Order #	Mfg. #	GPM @ 0'	GPM @ 1'	GPM @ 2'	GPM @ 3'	GPM @ 4'	GPM @ 5'	GPM @ 6'	GPM @ 7'	GPM @ 8'	GPM @ 10'	GPM @ 12'	GPM @ 13'	GPM @ 15'	GPM @ 16'	GPM @ 18'	GPM @ 20'
L81-760	VT2218-HY2-FC1A00	18	17	16	15	15.5	14	13	12	11.5	10	8	7	6	5	3	1.5

In-Line Circulator Pumps

- Circulates heated or chilled water in residential or light commercial hydronic systems, also used in zoning large installations
- Resilient mounted, split-phase motor with overload protection and sleeve bearings
- One-piece dynamically balanced impeller
- Stainless steel shaft and bronze sleeve bearings
- Carbon/ceramic seal assembly
- Durable one piece spring coupling
- 1750 RPM, single-phase motor
- N/A in chart indicates not to operate pumps at these low head levels



Order #	Mfg. #	Body Type	Volts	Phase	RPM	HP	Conn.	Flange Size	Flange to Flange	Wt. Lbs.	GPM @ 0'	GPM @ 2'	GPM @ 5'	GPM @ 7'	GPM @ 12'
L86-217	110-24	Cast Iron	115	1	1725	1/12	Flanged	3/4", 1", 1-1/4", 1-1/2"	6-5/16"	23	N/A	34	20	10	—
L81-147	110-24S	Stainless Steel	115	1	1725	1/12	Flanged	3/4", 1", 1-1/4", 1-1/2"	6-5/16"	24	—	—	—	—	—
L86-219	111-8	Cast Iron	115	1	1725	1/8	Flanged, Rotated	3/4", 1", 1-1/4", 1-1/2"	8-3/4"	26	N/A	N/A	42	35	10
L86-220	111-8S	Stainless Steel	115	1	1725	1/8	Flanged, Rotated	3/4", 1", 1-1/4", 1-1/2"	8-3/4"	29	N/A	N/A	42	35	10

Pump Accessories


A


B


C


D


E

Fig.	Order #	Mfg. #	Description	For Use With
A	**L37-877**	110-275RP	Seal Kit	110 and 111 Series
B	**L37-878**	110-009RP	Coupler	110 and 111 Series
C	**L37-879**	110-361RP	Bracket Assembly	110 Series

Fig.	Order #	Mfg. #	Description	For Use With
D	**L41-590**	110-023RP	Gasket Set	110 Series
E	**S89-942**	110-223RP	Motor Assembly	110 Series

Pump Accessories


A


B

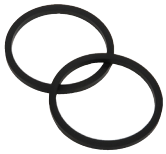
C

Fig.	Order #	Mfg. #	Description	For Use With
A	**L37-864**	1600-868CRP	Seal Kit	1600 Series Bronze
B	**L37-866**	1624-053RP	Coupler (1/4 Through 2 HP)	1600 Series

Fig.	Order #	Mfg. #	Description	For Use With
C	**L45-662**	1600-169RP	Flange Gasket	1600 Series

2400 Series High Capacity Circulators



- Designed for a wide range of medium to high flow/head hydronic heating, chilled water cooling and hot water recirculation applications
- Compact, space-saving design
- Powerful close-coupled, maintenance free motor
- Superior efficiency, high starting torque
- Permanently lubricated, sealed for life bearings
- Rugged 1/2" Stainless Steel Shaft
- Carbon/Silicon-Carbide mechanical seal for long life
- Universal flange to flange dimensions - Ideal for retrofits
- Anti-Condensate design for chilled water
- Dual electrical knock-outs
- Dual pressure taps, suction/discharge

Order #	Mfg. #	Body Type	Volts	Phase	RPM	HP	Conn.	Flange Size	Flange to Flange	Wt. Lbs.	GPM @ 8'	GPM @ 10'	GPM @ 16'	GPM @ 24'
L81-801	2400-10-3P	Cast Iron	115	1	3450	1/10	Flanged, Rotated	3/4", 1", 1-1/4", 1-1/2"	6-3/8"	11.5	—	18	12	—
L81-802	2400-10S-3P	Stainless Steel	115	1	3450	1/10	Flanged, Rotated	3/4", 1", 1-1/4", 1-1/2"	6-3/8"	11.5	—	18	12	—
L81-803	2400-20-3P	Cast Iron	115	1	3450	1/6	Flanged, Rotated	3/4", 1", 1-1/4", 1-1/2"	6-3/8"	12	32	29	24	13
L81-804	2400-20S-3P	Stainless Steel	115	1	3450	1/6	Flanged, Rotated	3/4", 1", 1-1/4", 1-1/2"	6-3/8"	12	32	29	24	13
L81-805	2400-30-3P	Cast Iron	115	1	3450	1/6	Flanged, Rotated	Use 194-1540F (1-1/4") or 194-1542F (1-1/2")	8-1/2"	14.5	40	38	30	14
L81-806	2400-30S-3P	Stainless Steel	115	1	3450	1/6	Flanged, Rotated	Use 194-1540SF (1-1/4") or 194-1542SF (1-1/2")	8-1/2"	14.5	40	38	30	14

UPSe Circulation Pumps


A


B

- Improved wiring for easier installation with a toolless power connector
- Automatic self-venting eliminates the need to burp the pump
- Robust startup
- Dry-run protection
- Troubleshooting aid with alarm and warning lights
- Highest Hydraulic Institute Energy Rating (ER) in the market: 193

Fig.	Order #	Mfg. #	Model #	Description	Body Type	Volts	Phase	Conn.	Flange Size	Flange to Flange	Wt. Lbs.
A	**L82-666**	92603106	UPSe 15-58 F	UPSe 15-58 F	Cast Iron	115	1	2-Bolt Flange	15/26	6-1/2"	5.29
B	**L82-667**	92603107	UPSe 15-58 FR	UPSe 15-58 FR	Cast Iron	115	1	2-Bolt Flange	15/26	6-1/2"	5.29

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Circulator Pumps

- High starting torque prevents rotor lock-up even after seasonal shutdown
- Water lubricated — maintenance free
- UPS series 3-speed pumps easily set to match system requirements and provide energy savings

Specifications:

- 115V, single-speed (UP series); 115V or 230V, 3-speed (UPS series)
- UPS series data shown below is in high-speed performance



A



B



C



D

Fig.	Order #	Mfg. #	Model #	Description	Body Type	Volts	Phase	RPM	HP	Conn.	Flange Size	Flange to Flange	Wt. Lbs.	Shutoff
A	**L80-103**	59896114	UP 15-18 B5	Single Speed	Bronze	115	1	—	1/25	1/2" Sweat	—	5"	6	14'
B	**L86-047**	59896773	UPS 15-55 SFC	Three Speed	Stainless	115	1	Variable	1/12	2-Bolt Flange	GF 15/26	6-1/2"	13.2	18'
B	**L86-867**	59896341	UPS 15-58 FC	Three Speed	Cast Iron	115	1	Variable	1/25	2-Bolt Flange	GF 15/26	6-1/2"	7.3	20'
B	**L80-321**	59896343	UPS 15-58 FRC	Three Speed	Cast Iron	115	1	Variable	1/25	2-Bolt Rotated Flange	GF 15/26	6-1/2"	7.3	20'
C	**L87-202**	52722512	UPS 26-99 FC 115V	Three Speed	Cast Iron	115	1	Variable	1/6	2-Bolt Flange	GF 15/26	6-1/2"	10.3	30'
C	**L87-203**	52722513	UPS 26-99 FC 230V	Three Speed	Cast Iron	230	1	Variable	1/6	2-Bolt Flange	GF 15/26	6-1/2"	10.3	30'
C	**L87-204**	98961763	UPS 26-99 SFC 115V	Three Speed	Stainless	115	1	Variable	1/6	2-Bolt Flange	GF 15/26	6-1/2"	10.3	30'
C	**L87-205**	98961765	UPS 26-99 SFC 230V	Three Speed	Stainless	230	1	Variable	1/6	2-Bolt Flange	GF 15/26	6-1/2"	10.3	30'
C	**L45-521**	95906630	UPS 26-150 F 115V	Three Speed	Cast Iron	115	1	Variable	1/3	2-Bolt Flange	GF 15/26	6-1/2"	17.4	45'
C	**L45-522**	95906631	UPS 26-150 F 230V	Three Speed	Cast Iron	230	1	Variable	1/3	2-Bolt Flange	GF 15/26	6-1/2"	17.4	45'
C	**L45-523**	95906632	UPS 26-150 SF 115V	Three Speed	Stainless	115	1	Variable	1/3	2-Bolt Flange	GF 15/26	6-1/2"	17.4	45'
B	**L87-206**	52722514	UPS 43-44 FC 115V	Three Speed	Cast Iron	115	1	Variable	1/6	2-Bolt Flange	GF 40/43	8-1/2"	13.5	14'
B	**L87-208**	52722520	UPS 43-44 BFC 115V	Three Speed	Bronze	115	1	Variable	1/6	2-Bolt Flange	GF 40/43	8-1/2"	13.5	14'
D	**L45-524**	95906636	UPS 43-100 F 115V	Three Speed	Cast Iron	115	1	Variable	1/3	2-Bolt Flange	GF 40/43	8-1/2"	18.5	31'
D	**L45-525**	95906637	UPS 43-100 F 230V	Three Speed	Cast Iron	208-230	1	Variable	1/3	2-Bolt Flange	GF 40/43	8-1/2"	18.5	31'

Additional Specifications

Fig.	Order #	Mfg. #	GPM @ 0'	GPM @ 1'	GPM @ 2'	GPM @ 3'	GPM @ 4'	GPM @ 5'	GPM @ 6'	GPM @ 7'	GPM @ 8'	GPM @ 10'	GPM @ 12'	GPM @ 13'	GPM @ 15'	GPM @ 16'	GPM @ 18'	GPM @ 20'	GPM @ 22'	GPM @ 23'	GPM @ 24'	GPM @ 25'	GPM @ 28'	GPM @ 29'	GPM @ 30'
A	**L80-103**	59896114	9.5	9	8.46	7.94	7.45	7.0	6.42	5.93	5.38	4.24	2.89	1.9	—	—	—	—	—	—	—	—	—	—	—
B	**L86-047**	59896773	—	17.0	—	—	—	10.0	—	—	6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
B	**L86-867**	59896341	—	17.0	—	—	—	13.5	—	—	11.0	9.5	—	—	—	4.0	—	—	—	—	—	—	—	—	—
B	**L80-321**	59896343	—	17.0	—	—	—	13.5	—	—	11.0	9.5	—	—	—	4.0	—	—	—	—	—	—	—	—	—
C	**L87-202**	52722512	33.9	32.2	31.5	30.7	30.6	29.5	29	28.1	27.4	25.7	23.9	23.2	21.4	20.5	18.5	16.5	14.6	13.6	12.4	11.3	7.6	6.4	4.8
C	**L87-203**	52722513	33.9	32.2	31.5	30.7	30.6	29.5	29	28.1	27.4	25.7	23.9	23.2	21.4	20.5	18.5	16.5	14.6	13.6	12.4	11.3	7.6	6.4	4.8
C	**L87-204**	98961763	33.9	32.2	31.5	30.7	30.6	29.5	29	28.1	27.4	25.7	23.9	23.2	21.4	20.5	18.5	16.5	14.6	13.6	12.4	11.3	7.6	6.4	4.8
C	**L87-205**	98961765	33.9	32.2	31.5	30.7	30.6	29.5	29	28.1	27.4	25.7	23.9	23.2	21.4	20.5	18.5	16.5	14.6	13.6	12.4	11.3	7.6	6.4	4.8
C	**L45-521**	95906630	—	53	—	—	—	48	—	—	47	45	—	—	—	—	—	33	—	—	—	27	—	—	22
C	**L45-522**	95906631	—	53	—	—	—	48	—	—	47	45	—	—	—	38	—	33	—	—	—	27	—	—	22
C	**L45-523**	95906632	—	53	—	—	—	48	—	—	47	45	—	—	—	38	—	33	—	—	—	27	—	—	22
B	**L87-206**	52722514	—	50.0	—	—	—	35.0	—	—	27.0	20.0	—	—	—	—	—	—	—	—	—	—	—	—	—
B	**L87-208**	52722520	—	50.0	—	—	—	35.0	—	—	27.0	20.0	—	—	—	—	—	—	—	—	—	—	—	—	—
D	**L45-524**	95906636	—	65	—	—	—	59	—	—	57	52	—	—	—	44	—	36	—	—	—	27	—	—	10
D	**L45-525**	95906637	—	65	—	—	—	59	—	—	57	52	—	—	—	44	—	36	—	—	—	27	—	—	10

ALPHA Circulation Pumps

- Bluetooth connectivity and a touch-screen interface
- Guided setup for energy savings while maintaining comfort
- Firmware updates
- Improved AUTOADAPT for faster setup and improved energy efficiency
- Min, max, and constant flow settings for faster setup
- Improved system air venting for faster setup
- Display showing flow, power, and head for faster troubleshooting
- Trend data and event log for faster and easier system troubleshooting



A



B

Fig.	Order #	Mfg. #	Model #	Body Type	Volts	Phase	Conn.	Flange Size	Flange to Flange	Wt. Lbs.
A	**L82-668**	92603108	ALPHA 15-58 FR	Cast Iron	115	1	2-Bolt Flange	15/26	6-1/2"	5.29
B	**L82-669**	92603115	ALPHA 15-58 F	Cast Iron	115	1	2-Bolt Flange	15/26	6-1/2"	5.29

GRUNDFOS



ALPHA1 ECM Pumps

- Features three-constant pressure control modes with push button settings
- Large LED display shows energy watt consumption and estimated flow in gallons per minute
- Extremely quiet 19.2 dB(A) operation
- Features the highest torque rating and most powerful start feature in its class
- Attempts to restart indefinitely every seven seconds in blocked rotor conditions
- Can replace more than 30 other pump models
- Features an integrated check-valve and nut captures for flanges
- Magnetite resistant design with a stainless-steel bearing plate, robust ceramic shaft and ceramic bearing rings

Order #	Mfg. #	Model #	Description	Body Type	Volts	Phase	RPM	HP	Conn.	Flange Size	Flange to Flange	Wt. Lbs.	Shutoff
L49-575	99285998	ALPHA1 15-55 F/LC	Cast Iron Flange with Line Cord	Cast Iron	115	1	Variable	1/16	2-Bolt Flange	GF 15/26	6-1/2"	7.5	19'
L49-577	99287250	ALPHA1 15-55 SF/LC	Stainless Flange with Line Cord	Stainless Steel	115	1	Variable	1/16	2-Bolt Flange	GF 15/26	6-1/2"	6.3	19'

Additional Specifications

Order #	Mfg. #	GPM @ 0'	GPM @ 1'	GPM @ 2'	GPM @ 3'	GPM @ 4'	GPM @ 5'	GPM @ 6'	GPM @ 7'	GPM @ 8'	GPM @ 10'	GPM @ 12'	GPM @ 13'	GPM @ 15'	GPM @ 16'	GPM @ 18'
L49-575	99285998	21.5	21	19.5	18.2	17	15.6	14	12.5	11.4	8.7	6.4	5.5	3.5	2.8	1.3
L49-577	99287250	21.5	21	19.5	18.2	17	15.6	14	12.5	11.4	8.7	6.4	5.5	3.5	2.8	1.3

GRUNDFOS



Alpha Pumps

- Pumps come equipped with the unique Grundfos AUTOADAPT™ function which automatically balances optimum comfort with minimum power consumption
- A simple and intuitive one-touch button accesses the other settings
- Automatic performance adjustment
- Display of actual power consumption
- Water lubricated - maintenance free
- Simple installation — external plug for electrical connection
- Single-speed or two- or three-speed performance adjustment high efficiency ECM motor uses up to 85% less energy

Order #	Mfg. #	Model #	Description	Body Type	Volts	Phase	RPM	HP	Conn.	Flange Size	Flange to Flange	Wt. Lbs.	Shutoff
L49-374	99163937	ALPHA2 15-55 SF	Stainless Flange with Terminal Box	Stainless Steel	115	1	Variable	1/16	2-Bolt Flange	GF 15/26	6-1/2"	6.1	19'
L49-375	99163972	ALPHA2 15-55 SF/LC	Stainless Flange with Line Cord	Stainless Steel	115	1	Variable	1/16	2-Bolt Flange	GF 15/26	6-1/2"	6.3	19'
L49-580	99287262	ALPHA 2 26-99	Cast-Iron Flange with Terminal Box and User Interface	Cast Iron	115	—	Variable	—	2-Bolt Flange	GF 15/26	6-1/2"	7.7	41'
L50-229	99490916	ALPHA 2 26-99	Cast-Iron Flange with Terminal Box and User Interface	Cast Iron	115	—	Variable	—	2-Bolt Flange	GF 15/26	6-1/2"	7.7	41'

Additional Specifications

Order #	Mfg. #	GPM @ 0'	GPM @ 1'	GPM @ 2'	GPM @ 3'	GPM @ 4'	GPM @ 5'	GPM @ 6'	GPM @ 7'	GPM @ 8'	GPM @ 10'	GPM @ 12'	GPM @ 13'	GPM @ 15'	GPM @ 16'	GPM @ 18'	GPM @ 20'	GPM @ 22'	GPM @ 23'	GPM @ 24'	GPM @ 25'	GPM @ 28'	GPM @ 29'	GPM @ 30'	GPM @ 35'	GPM @ 36'	GPM @ 40'
L49-374	99163937	21.5	21	19.5	18.2	17	15.6	14	12.5	11.4	8.7	6.4	5.5	3.5	2.8	1.3	1.6	0.5	—	—	—	—	—	—	—	—
L49-375	99163972	21.5	21	19.5	18.2	17	15.6	14	12.5	11.4	8.7	6.4	5.5	3.5	2.8	1.3	1.6	0.5	—	—	—	—	—	—	—	—
L49-580	99287262	—	—	—	—	—	—	28.4	27.2	26.4	24.2	22.7	22	20	19	17.5	16	14.3	13.5	13	12.2	10.4	9.5	9.1	6.4	6	4
L50-229	99490916	—	—	—	—	—	—	28.4	27.2	26.4	24.2	22.7	22	20	19	17.5	16	14.3	13.5	13	12.2	10.4	9.5	9.1	6.4	6	4

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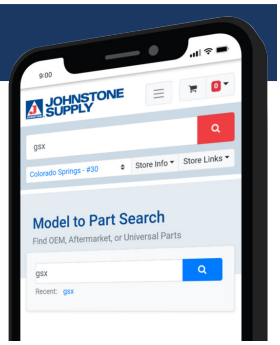

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MAGNA3™ Circulator Pumps

High Efficiency Commercial Pumps

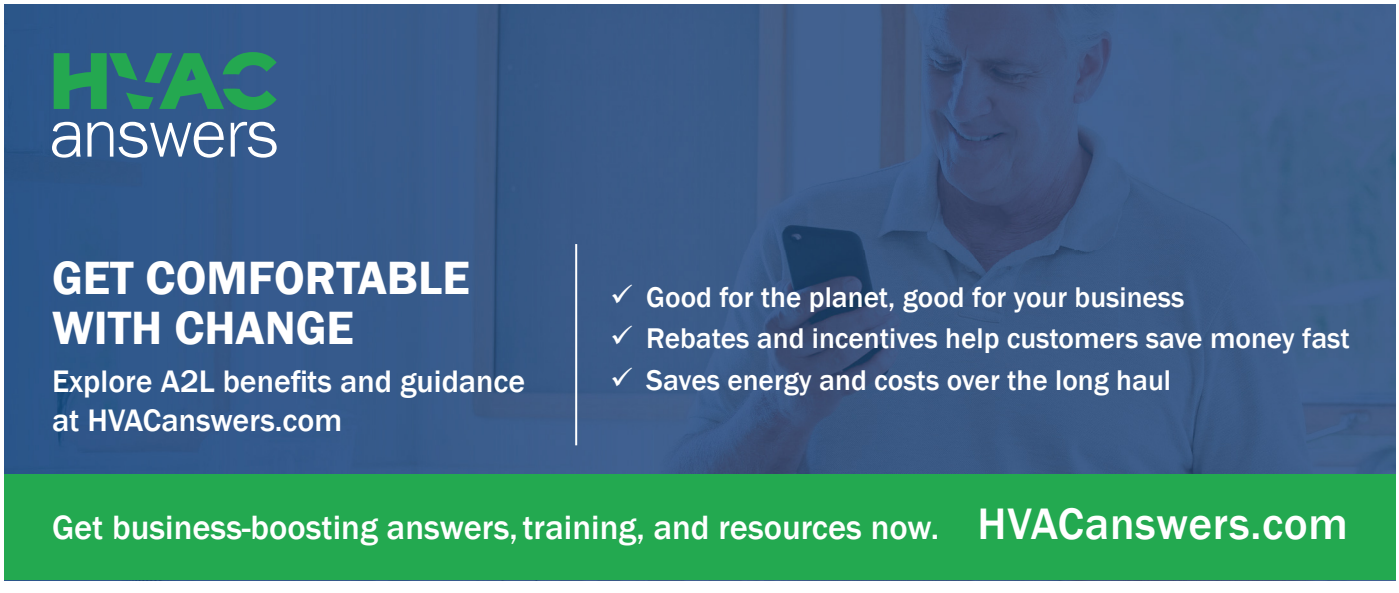
- Integrated frequency converter ensures maximum efficiency during operation
- AUTOADAPT™ function controls pump performance automatically
- Plug and pump
- Quiet operation
- 145 PSI maximum working pressure
- Water lubricated- maintenance free
- ECM motor uses up to 85% less energy



Order #	Mfg. #	Model #	Description	Body Type	Volts	Phase	RPM	HP	Conn.	Flange Size	Flange to Flange	Wt. Lbs.	Shutoff
L81-435	98126814	MAGNA3 50 - 80 FN	Variable Speed	Stainless	115	1	Variable	1/3	4-Bolt Flange	GF 53	9-4/9"	44	28'
L81-430	98126812	MAGNA3 50-80 F	Variable Speed	Cast Iron	115	1	Variable	1/3	4-Bolt Flange	GF 53	9-4/9"	44	28'
L81-352	98124696	MAGNA3 65-120 F	Variable Speed	Cast Iron	115	1	Variable	1	4-Bolt Flange	GF 53/65	13-7/16"	53	40'
L81-353	98126848	MAGNA3 65-120 F	Variable Speed	Cast Iron	230	1	Variable	1	4-Bolt Flange	GF 53/65	13-7/16"	53	40'
L81-436	98124702	MAGNA3 65-120 FN	Variable Speed	Stainless	115	1	Variable	1	4-Bolt Flange	GF 53/65	13-7/16"	53	40'
L81-348	98126804	MAGNA3 40-120 F	Variable Speed	Cast Iron	115	1	Variable	1/2	2-Bolt Flange	GF 15/26/40/43	8-1/2"	40	38'
L81-349	98126832	MAGNA3 40-120 F	Variable Speed	Cast Iron	230	1	Variable	1/2	2-Bolt Flange	GF 15/26/40/43	8-1/2"	40	38'
L81-433	98126806	MAGNA3 40-120 FN	Variable Speed	Stainless	115	1	Variable	1/2	2-Bolt Flange	GF 15/26/40/43	8-1/2"	40	38'
L81-350	98126808	MAGNA3 40-180 F	Variable Speed	Cast Iron	115	1	Variable	3/4	2-Bolt Flange	GF 15/26/40/43	8-1/2"	40	60'
L81-351	98126836	MAGNA3 40-180 F	Variable Speed	Cast Iron	230	1	Variable	3/4	2-Bolt Flange	GF 15/26/40/43	8-1/2"	40	60'
L81-434	98126810	MAGNA3 40-180 FN	Variable Speed	Stainless	115	1	Variable	3/4	2-Bolt Flange	GF 15/26/40/43	8-1/2"	40	60'
L81-429	98126800	MAGNA3 40-80 F	Variable Speed	Cast Iron	115	1	Variable	1/3	2-Bolt Flange	GF 15/26/40/43	8-1/2"	40	28'
L81-432	98126802	MAGNA3 40-80 FN	Variable Speed	Stainless	115	1	Variable	1/3	2-Bolt Flange	GF 15/26/40/43	8-1/2"	40	28'
L81-431	98126856	MAGNA3 80-100 F	Variable Speed	Cast Iron	230	1	Variable	1 1/2	4-Bolt Flange	GF 80	14-1/6"	72	35'

Additional Specifications

Order #	Mfg. #	GPM @ 0'	GPM @ 10'	GPM @ 12'	GPM @ 15'	GPM @ 20'	GPM @ 25'	GPM @ 28'	GPM @ 30'	GPM @ 35'	GPM @ 40'	GPM @ 50'	GPM @ 60'
L81-435	98126814	100	100	85	80	55	35	Shutoff	—	—	—	—	—
L81-430	98126812	100	100	85	80	55	35	Shutoff	—	—	—	—	—
L81-352	98124696	250	250	245	220	160	130	—	95	60	Shutoff	—	—
L81-353	98126848	250	250	245	220	160	130	—	95	60	Shutoff	—	—
L81-436	98124702	250	250	245	220	160	130	—	95	60	Shutoff	—	—
L81-348	98126804	100	100	95	80	75	60	—	50	40	—	—	—
L81-349	98126832	100	100	95	80	75	60	—	50	40	—	—	—
L81-433	98126806	100	100	95	80	75	60	—	50	40	—	—	—
L81-350	98126808	200	200	185	165	138	110	—	80	70	50	35	Shutoff
L81-351	98126836	200	200	185	165	138	110	—	80	70	50	35	Shutoff
L81-434	98126810	200	200	185	165	138	110	—	80	70	50	35	Shutoff
L81-429	98126800	70	70	65	58	45	32	Shutoff	—	—	—	—	—
L81-432	98126802	70	70	65	58	45	32	Shutoff	—	—	—	—	—
L81-431	98126856	260	260	255	250	200	160	—	138	Shutoff	—	—	—



GRUNDFOS



Circulator Pumps

- For light commercial and larger residential applications
- Wet rotor design ensures maintenance-free relability with no leakage or mechanical seals
- Quiet operation and no accessible electrical components
- Drop in replacement for B&G, Taco and Armstrong
- UPS series 3-speed pumps easily set to match system requirements and provide energy savings

Specifications:

- 115/230V single-phase **L80-105**, 208-230V three-phase **L80-113** and 115V single-phase for all others
- UPS series data shown below is in high-speed performance

Order #	Mfg. #	Model #	Description	Body Type	Volts	Phase	RPM	HP	Conn.	Flange Size	Flange to Flange	Wt. Lbs.	Shutoff
L80-106	96402708	UPS 32-80/2 F	Three Speed	Cast Iron	115	1	Variable	1/2	2-Bolt Flange	GF 26/26	11"	35.9	25'
L80-107	96402730	UPS 32-160/2 F	Three Speed	Cast Iron	115	1	Variable	3/4	2-Bolt Flange	GF 40/43	13-1/2"	37.7	45'
L80-108	96402762	UPS 40-80/2 F	Three Speed	Cast Iron	115	1	Variable	3/4	2-Bolt Flange	GF 40/43	13-1/2"	39.9	30'
L80-110	96402782	UPS 40-160/2 F	Three Speed	Cast Iron	115	1	Variable	3/4	2-Bolt Flange	GF 40/43	11-1/2"	45.4	46'
L80-111	96402834	UPS 50-80/2 F	Three Speed	Cast Iron	115	1	Variable	3/4	4-Bolt Flange	GF 50	11-1/2"	48.7	29'
L80-113	96402860	UPS 50-160 F	Three Speed	Cast Iron	208-230	3	Variable	1-1/2	4-Bolt Flange	GF 50	14"	59.3	48'
L80-105	96633591	UP 53-46 F	Three Speed	Cast Iron	115/230	1	—	3/4	4-Bolt Flange	GF 53	9-7/8"	44.5	15'
L80-114	96402920	UPS 80-160 F	Three Speed	Cast Iron	208-230	3	Variable	3	4-Bolt Flange	GF 80	19"	91.9	50'

Additional Specifications

Order #	Mfg. #	GPM @ 0'	GPM @ 1'	GPM @ 2'	GPM @ 3'	GPM @ 4'	GPM @ 5'	GPM @ 6'	GPM @ 7'	GPM @ 8'	GPM @ 10'	GPM @ 12'	GPM @ 13'	GPM @ 15'	GPM @ 16'	GPM @ 18'	GPM @ 20'	GPM @ 22'	GPM @ 23'	GPM @ 24'	GPM @ 25'	GPM @ 30'	GPM @ 40'
L80-106	96402708	68	67	65	63	61	60	58	56	54	50	46	45	40	38	33	27	20	15	8	—	—	—
L80-107	96402730	—	76	—	—	—	75	—	—	62	60	—	—	—	65	—	58	—	—	—	55	45	23
L80-108	96402762	—	106	—	—	—	97	—	—	90	86	—	—	—	72	—	57	—	—	—	37	—	—
L80-110	96402782	—	110	—	—	—	108	—	—	105	100	—	—	—	93	—	83	—	—	—	72	63	—
L80-111	96402834	—	120	—	—	—	125	—	—	120	120	—	—	—	100	—	78	—	—	—	40	—	—
L80-113	96402860	—	170	—	—	—	170	—	—	160	160	—	—	—	145	—	140	—	—	—	125	110	—
L80-105	96633591	—	115	—	—	105	101	97	93	88	79	70	66	55	49	35	13	—	—	—	—	—	—
L80-114	96402920	—	275	—	—	—	250	—	—	250	240	—	—	—	225	—	215	—	—	—	200	175	—

GRUNDFOS



Pump Accessories

Order #	Mfg. #	Description	Conn. Size	Size	Type	Wt. Lbs.	Pkg. Qty.	For Use With
L36-798	519601	3/4" Cast Iron Flange Pair	3/4"	3/4"	Flange Set	2.2	2	UPS15-58FC, UP26-64F, UP26-99F, UPS26-99FC
L36-799	519602	1" Cast Iron Flange Pair	1"	1"	Flange Set	2.2	2	UPS15-58FC, UP26-64F, UP26-99F, UPS26-99FC
L36-800	519603	1-1/4" Cast Iron Flange Pair	1.25"	1.25"	Flange Set	2.1	2	UPS15-58FC, UP26-64F, UP26-99F, UPS26-99FC, UPS32-80
L36-801	519604	1-1/2" Cast Iron Flange Pair	1.5"	1.5"	Flange Set	2.1	2	UPS15-58FC, UP26-64F, UP26-99F, UPS26-99FC
L41-668	539605	1-1/2" Cast Iron Flange Pair	1.5"	1.5"	Flange Set	2.4	2	UPS40 Series, UPS43 Series, UPS32-160
L43-815	96409354	2" Cast Iron Flange Pair	2"	2"	Flange Set	6.5	2	UPS50 Series
L43-816	91584910	2" Cast Iron Flange Pair	2"	2"	Flange Set	12	2	UP53 Series
L43-817	91584911	2-1/2" Cast Iron Flange Pair	2.5"	2.5"	Flange Set	12	2	UP53 Series
L43-818	91584912	3" Cast Iron Flange Pair	3"	3"	Flange Set	12	2	UP53 Series
L43-819	569601	3" Cast Iron Flange Pair	3"	3"	Flange Set	19	2	UPS80 Series
L36-805	519651	3/4" Bronze Flange Pair	3/4"	3/4"	Flange Set	2.1	2	UP26-96BF, UPS26-96BFC
L36-806	519652	1" Bronze Flange Pair	1"	1"	Flange Set	2.1	2	UP26-96BF, UPS26-96BFC
L41-669	539615	1-1/2" Bronze Flange Pair	1.5"	1.5"	Flange Set	3	2	UPS43 Series
L37-584	519850	1/2" Bronze Isolation Valve	1/2"	1/2"	ISO Valve	1	2	UPS15-35SUC
L37-585	519852	3/4" Bronze Isolation Valve	3/4"	3/4"	ISO Valve	1.7	2	UPS15-35SUC
L38-391	529912	3/4" Bronze Threaded Half Union Set	3/4"	3/4"	Union Set	2.2	2	UPS15-35SUC
L36-804	519660	Stainless Steel Gasket and Bolt Set	—	—	Hardware and Gasket	0.2	2	UPS15-35SUC
L41-577	96806129	1/2" NPT Isolation Valve Set	1/2"	1/2"	ISO Valve	2.8	2	UP15, UP26, UP25, UPS15, UPS26 Series
L41-578	96806130	3/4" NPT Isolation Valve Set	3/4"	3/4"	ISO Valve	2.9	2	UP15, UP26, UP25, UPS15, UPS26 Series
L41-579	96806131	1" NPT Isolation Valve Set	1"	1"	ISO Valve	3.6	2	UP15, UP26, UP25, UPS15, UPS26 Series
L41-580	96806132	1-1/4" NPT Isolation Valve Set	1.25"	1.25"	ISO Valve	3.3	2	UP15, UP26, UP25, UPS15, UPS26 Series
L41-581	96806133	1-1/2" NPT Isolation Valve Set	1.5"	1.5"	ISO Valve	4.4	2	UP15, UP26, UP25, UPS15, UPS26 Series
L41-582	96806134	1/2" Sweat Isolation Valve Set	1/2"	1/2"	ISO Valve	2.4	2	UP15, UP26, UP25, UPS15, UPS26 Series
L41-583	96806135	3/4" Sweat Isolation Valve Set	3/4"	3/4"	ISO Valve	3.2	2	UP15, UP26, UP25, UPS15, UPS26 Series
L41-584	96806136	1" Sweat Isolation Valve Set	1"	1"	ISO Valve	4.4	2	UP15, UP26, UP25, UPS15, UPS26 Series
L41-585	96806137	1-1/4" Sweat Isolation Valve Set	1.25"	1.25"	ISO Valve	4.8	2	UP15, UP26, UP25, UPS15, UPS26 Series
L41-586	96806138	1-1/2" Sweat Isolation Valve Set	1.5"	1.5"	ISO Valve	4.9	2	UP15, UP26, UP25, UPS15, UPS26 Series

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ecocirc® 20-18 Variable Speed ECM Smart Circulators

- Maximum 20' of head or 18 GPM
- 70 watt max. power
- 3 modes; proportioN/Al pressure, constant pressure, or adjustable speed control
- Automatic air purge to remove any air trapped in the pump
- One turn knob and LED display
- Check valve included in box
- Insulation shell included

Features:

- Premium models include: Bluetooth communication
- 0-10VDC input
- Tempurature control
- eAdapt autolearn and Night Mode
- Digital display



Order #	Mfg. #	Model #	Body Type	Volts	RPM	Conn.	Flange to Flange	Wt. Lbs.	Shutoff
L82-609	60B0B1000	ecocirc 20-18 Basic CI F	Cast Iron	115	Variable	2-Bolt Small Booster Flange	6-3/8"	6.2	20
L82-610	60B0B1001	ecocirc 20-18 Basic S.S. F	Stainless Steel	115	Variable	2-Bolt Small Booster Flange	6-3/8"	5.86	20
L82-611	60B0B1002	ecocirc 20-18 Basic S.S U	Stainless Steel	115	Variable	1-1/4" NPSM Union Thread	6"	4.61	20
L82-612	60B0B1003	ecocirc 20-18 Prem CI F	Cast Iron	115	Variable	2-Bolt Small Booster Flange	6-3/8"	6.2	20
L82-613	60B0B1004	ecocirc 20-18 Prem S.S. F	Stainless Steel	115	Variable	2-Bolt Small Booster Flange	6-3/8"	5.86	20
L82-614	60B0B1005	ecocirc 20-18 Prem S.S. U	Stainless Steel	115	Variable	1-1/4" NPSM Union Thread	6"	4.61	20

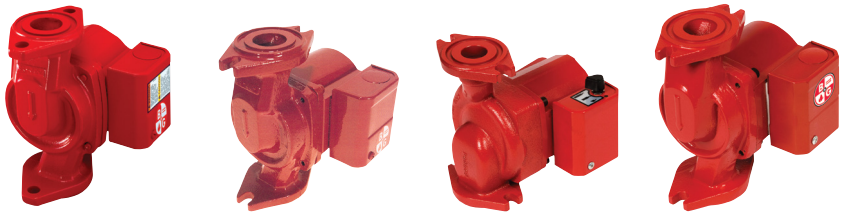
Additional Specifications

Order #	Mfg. #	GPM @ 0'	GPM @ 1'	GPM @ 2'	GPM @ 3'	GPM @ 4'	GPM @ 5'	GPM @ 6'	GPM @ 7'	GPM @ 8'	GPM @ 10'	GPM @ 12'	GPM @ 13'	GPM @ 15'	GPM @ 16'	GPM @ 18'	GPM @ 20'
L82-609	60B0B1000	18	18	18	17.5	17.2	17	16.5	16	16	15	14	13.4	12.3	11.7	10	8
L82-610	60B0B1001	18	18	18	17.5	17.2	17	16.5	16	16	15	14	13.4	12.3	11.7	10	8
L82-611	60B0B1002	18	18	18	17.5	17.2	17	16.5	16	16	15	14	13.4	12.3	11.7	10	8
L82-612	60B0B1003	18	18	18	17.5	17.2	17	16.5	16	16	15	14	13.4	12.3	11.7	10	8
L82-613	60B0B1004	18	18	18	17.5	17.2	17	16.5	16	16	15	14	13.4	12.3	11.7	10	8
L82-614	60B0B1005	18	18	18	17.5	17.2	17	16.5	16	16	15	14	13.4	12.3	11.7	10	8

System Lubricated Circulator Pumps

For Hydronic and Solar Applications

- High starting torque single-speed motor, 115V, 60 Hz
- Suitable for 240°F operation at 150 PSI
- Flanges not included
- **L87-196** and **L87-197** are equipped with three-speed motors for application flexibility (GPM data below is for high-speed setting)



A B C D

Fig.	Order #	Mfg. #	Model #	Body Type	Volts	Phase	RPM	HP	Conn.	Flange Size	Wt. Lbs.	GPM @ 0'	GPM @ 4'	GPM @ 8'	GPM @ 12'	GPM @ 16'	GPM @ 20'	GPM @ 25'
A	**L39-685**	103267	NRF-9F/LW	Iron	115	1	2800	1/40	NPTF	3/4", 1", 1-1/4", 1-1/2"	9.3	12	6	—	—	—	—	—
A	**L86-179**	103251	NRF-22	Iron	115	1	2940	1/25	NPTF	3/4" 1", 1-1/4", 1-1/2"	9.3	22	16	9.5	4.5	—	—	—
B	**L80-348**	103417	NRF-25	Cast Iron	115	1	2950	1/6	NPTF	3/4", 1", 1-1/4", 1-1/2"	10.4	24	20	14	10	4	—	—
A	**L87-196**	103400	NRF-36	Iron	115	1	3300	1/6	NPTF	3/4" 1", 1-1/4", 1-1/2"	13.1	38	35	31	28	23	18	13
A	**L87-197**	103404	NRF-45	Iron	115	1	3300	1/6	NPTF	1", 1-1/4", 1-1/2"	14.5	45	39	32	28	20	13	4
—	**L80-531**	103260LF	NBF-12F/LW	Bronze	115	1	2800	1/40	NPTF	3/4", 1", 1-1/4", 1-1/2"	9.5	16	11.3	6.4	1.3	—	—	—
C	**L80-529**	103252LF	NBF-22	Bronze	115	1	2940	1/25	NPTF	3/4", 1", 1-1/4", 1-1/2"	9.5	22	16	9.5	4.5	—	—	—
D	**L81-156**	103418LF	NBF-25	Bronze	115	1	2950	1/6	NPTF	3/4", 1", 1-1/4", 1-1/2"	0	24	20	14	10	4	—	—

Zonetrol II Zone Pump Controller

- On call for heat, operates the pump and closes end switch to energize boiler
- Snap-on design allows the controller to be quickly attached to any Bell & Gossett model NRF, NBF, SSF or 1/12 to 1/6 HP Series PL
- Clearly marked terminals make for sure, fast wiring of the system
- Daisy-chain to form up to three zones
- Transformer: 2.5VA



Order #	Mfg. #	Model #	Volts	Relay
L39-556	109423	AZ-1A	115/120VAC	24VAC/5 Amps

TC-1 Automatic Timer Kit



- Increases overall efficiency of hot water recirculation systems
- Can be used on any Bell & Gossett NBF circulator
- Programmable to turn circulator on and off automatically at preset times
- Single-phase, 115/120VAC, 60 Hz

Order #	Mfg. #
L39-674	113210

Booster Pumps

For Hydronic Heating and Cooling Systems and Service Water Heating



A



B

- Oil lubrication system
- Proven mechanical seal to protect against water leakage
- Sleeve-type extra long bearings
- Centrifugal impeller design
- **L86-074** and **L86-076** do not include flanges

Specifications:

- Maximum working pressure: 125 PSI
- Maximum operating temperature: 225°F continuous duty

Fig.	Order #	Mfg. #	Body Type	Volts	Phase	RPM	HP	Conn.	Flange Size	Wt. Lbs.	GPM @ 0'	GPM @ 4'	GPM @ 8'	GPM @ 12'	GPM @ 16'
A	**L86-074**	106189	Iron	115	1	1725	1/12	NPTF	3/4" 1", 1-1/4", 1-1/2"	19	38	25	5	—	—
B	**L80-532**	106192LF	Bronze	115	1	1725	1/12	NPTF	3/4", 1", 1-1/4", 1-1/2"	21	38	25	5	—	—
A	**L86-076**	102210	Iron	115	1	1725	1/6	NPTF	1", 1-1/4", 1-1/2"	28	40	35	28	—	—
B	**L80-528**	102213LF	Bronze	115	1	1725	1/6	NPTF	1", 1-1/4", 1-1/2"	30	40	35	28	—	—
A	**L86-102**	102214	Iron	115	1	1725	1/6	NPTF	2"	40	75	60	42	—	—
A	**L86-103**	102226	Iron	115	1	1725	1/3	NPTF	3"	55	115	112	95	74	43

Bell & Gossett Motors

Single-Speed, 1725 RPM, Single-Phase



- Single-Speed, 1725 RPM, Single-Phase

Features:

- Manufactured to rigid Bell & Gossett specifications to ensure quiet, dependable performance, including immediate start-up on system demand even after seasonal shutdowns
- Resilient mounted, with oil lubricated bronze sleeve bearings
- **S88-377** is 5" diameter, **S88-376** is 6" diameter
- **S88-417** is for 60 series pumps, **S88-419** and **S88-420** are for PD and 60 series pumps, **S88-481** is for 2-1/2" and LD3 pumps

Order #	Mfg. #	Description	Rot.	Service Factor	Volts	F/L Amps	HP	RPM	Wt. Lbs.
S88-375	111034	Power Pack	CWSE	1.40	115	1.75	1/12	1725	11
S88-377	111061	Power Pack	CWSE	1.35	115	2.40	1/6	1725	12
S88-376	111031	Power Pack Sleeve Bearing	CWSE	1.35	115	2.40	1/6	1725	18
S88-417	169035	—	CCWSE	1.35	115	4.90	1/4	1725	23
S88-481	111040	Power Pack Sleeve Bearing	CWSE	1.35	115	5.40	1/4	1725	21
S88-418	111042	Power Pack Sleeve Bearing	CWSE	1.35	115	4.20	1/3	1725	25
S88-419	111044	—	CCWSE	1.25	115/230	5.20/2.60	1/2	1725	25
S88-420	111047	—	CCWSE	1.25	115/230	7.00/3.50	3/4	1725	31

Permanently Lubricated Circulator Pumps



- Permanently oil-lubricated and maintenance free
- Operates in systems up to 150 PSI with temperatures up to 225°F
- Precision-machined and balanced alloy steel rotor
- Carbon/silicon carbide seal system

Order #	Mfg. #	Model #	Body Type	Volts	Phase	RPM	HP	Conn.	Flange Size	Wt. Lbs.	GPM @ 0'	GPM @ 5'	GPM @ 10'	GPM @ 15'	GPM @ 20'	GPM @ 25'	GPM @ 30'	GPM @ 35'
L39-662	1BL012	PL-30	Cast Iron	115	1	2650	1/12	NPTF	3/4", 1", 1-1/4", 1-1/2"	11.6	30	25	20	14	6	—	—	—
L80-536	1BL013LF	PL-30B	Bronze	115	1	2650	1/12	NPTF	3/4", 1", 1-1/4", 1-1/2"	11.6	30	25	20	14	6	—	—	—
L39-664	1BL001	PL-36	Cast Iron	115	1	3300	1/6	NPTF	3/4", 1", 1-1/4", 1-1/2"	13.1	40	36	33	27	23	16	10	4
L80-534	1BL003LF	PL-36B	Bronze	115	1	3300	1/6	NPTF	3/4", 1", 1-1/4", 1-1/2"	13.1	40	36	33	27	23	16	10	4
L39-666	1BL002	PL-45	Cast Iron	115	1	3300	1/6	NPTF	1", 1-1/4", 1-1/2"	14.5	47	44	37	31	23	13	—	—
L80-535	1BL004LF	PL-45B	Bronze	115	1	3300	1/6	NPTF	1", 1-1/4", 1-1/2"	14.5	47	44	37	31	23	13	—	—

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Compact System Lubricated Circulator Pumps

- Improved maintenance-free lubricated bearing design
- Designed for quiet operation in closed loop systems
- Operates in systems up to 150 PSI with temperatures up to 225°F



Order #	Mfg. #	Model #	Body Type	Volts	Phase	RPM	HP	Conn.	Flange Size	Wt. Lbs.	GPM @ 0'	GPM @ 4'	GPM @ 8'
L87-229	106507	LR-20WR	Cast Iron	115	1	2950	1/15	NPTF	3/4" 1", 1-1/4", 1-1/2"	10	37	25	9
L80-533	106514LF	LR-15WR	Bronze	115	1	2950	1/15	NPTF	3/4", 1", 1-1/4", 1-1/2"	10	37	25	9

Replacement Parts and Accessories

- All bearing assemblies include seal and gasket

Order #	Mfg. #	Description	Application
L80-966	118844LF	Bearing Assembly for Iron Pumps	Series 100 IB, BI, NFI
L80-537	189163LF	Bearing Assembly for Iron Pumps	Old Style 6" Diam. Motor: HV & 2"
L80-543	189165LF	Bearing Assembly for Bronze/Iron Pumps	Series HV & 1-1/2"
L80-538	189105LF	Bearing Assembly for Bronze/Iron Pumps	HD3, LD3, PR & 2-1/2"
L80-539	186863LF	Bearing Assembly for Bronze/Iron Pumps	60 Series 1AA, 1-1/4AA, 1-1/2AA & 2AA, PD-35 & PD-37
L80-542	189162LF	Bearing Assembly for Bronze/Iron Pumps	Old Style 1" thru 1-1/2" Boosters
L80-962	185260LF	Bearing Assembly for Iron Pumps	Series 60 1-1/2A & 2A,PD-38 &PD-40
L80-540	189034LF	Bearing Assembly for Bronze Pumps	Series 100 AB
L80-963	189134LF	Bearing Assembly w/Impeller	Series 100 NFI
L80-541	189166LF	Bearing Assembly w/Impeller	Series HV & 2"
L45-899	118681LF	Mechanical Seal Kit	Series HD3, Series HV, Series LD3, Series PD, Series PR, Series 1, Series 1-1/4, Series 1-1/2, Series 2, Series 2-1/2, Series 60, Series 90, Series 100, Series 1522, Series 1535
L80-961	185011LF	Bearing Assembly	Series 1510
L45-893	185332LF	Bearing Assembly	MF 60 with 5-1/4" and 6-1/4" Impellers
L45-894	186862LF	Seal Kit	Series 90 "A"
L45-895	189128LF	Plastic Impeller	Series HV & 2"
L45-896	189132LF	Plastic Impeller	Series 100 NFI
L45-897	118431LF	Bronze Impeller	Series 100 AB, BNFI
L45-898	118436LF	Bronze Impeller	Old Style 6" Diam. Motor: HV & 1", 1-1/4", 1-1/2", 2"
L37-191	118668	Steel Impeller	Old Style 6" Diam. Motor: HV & 2"

Flanges for Hydronic Pumps

- Sold in pairs



Order #	Mfg. #	Flange Size	Type	For Use With
L37-171	101001	3/4"	Steel	Series 100, PR, NRF-22, NRF-9F/LW, NRF-33, NRF-36, PL-30, PL-36 & PL-55
L37-172	101002	1"	Steel	Series 100, PR, NRF-22, NRF-9F/LW, NRF-33, NRF-36, PL-30, PL-36 & PL-55
L37-173	101003	1-1/4"	Steel	Series 100, PR, NRF-22, NRF-9F/LW, NRF-33, NRF-36, PL-30, PL-36 & PL-55
L37-174	101004	1-1/2"	Steel	Series 100, PR, NRF-22, NRF-9F/LW, NRF-33, NRF-36, PL-30, PL-36 & PL-55
L37-175	101005	1"	Steel	Series HV, PL-45, PL-50 & NRF-45
L37-176	101006	1-1/4"	Steel	Series HV, PL-45, PL-50 & NRF-45
L37-177	101007	1-1/2"	Steel	Series HV, PL-45, PL-50 & NRF-45
L45-151	101511LF	3/4"	Brass	Series 100B, PRAB, NBF-22, NBF-12F/LW, NBF-33, NBF-36, PL-30B & PL-36B
L45-152	101512LF	1"	Brass	Series 100B, PRAB, NBF-22, NBF-12F/LW, NBF-33, NBF-36, PL-30B & PL-36B
L45-153	101513LF	1-1/4"	Brass	Series 100B, PRAB, NBF-22, NBF-12F/LW, NBF-33, NBF-36, PL-30B & PL-36B
L45-154	101514LF	1-1/2"	Brass	Series 100B, PRAB, NBF-22, NBF-12F/LW, NBF-33, NBF-36, PL-30B & PL-36B
L45-155	101515LF	1"	Brass	Series HVB, PL-45B, PL-50B & NBF-45
L45-156	101516LF	1-1/4"	Brass	Series HVB, PL-45B, PL-50B & NBF-45
L45-157	101517LF	1-1/2"	Brass	Series HVB, PL-45B, PL-50B & NBF-45

Pump and Flange Gaskets

Order #	Mfg. #	Description	Pkg. Qty.	For Use With
L37-185	118368	Flange Gasket Set	2	LR, PL-30, PL-36, Series 100, PR, 60 1"AA / 1-1/4"AA & 90 1"AA / 1-1/4"AA
L37-208	118373	Flange Gasket Set	2	PL-45, PL-50, 1-1/4", HV, 60 1-1/2"AA / 1-1/2"A, MF 60 w/ 5-1/4", 6-1/4" or 7" Impellers & 90 1-1/2"AA
L38-256	118378	Flange Gasket Set	2	2", 60 2"AA / 2"A, MF 60 w/ 5-1/4", 6-1/4" or 7" Impellers & 90 1-1/2"A / 2"AA / 2"A
L37-194	P04080	Body Gasket	1	Series 100
L37-494	P04890	Body Gasket	1	1", 1-1/4", 1-1/2", 2" & HV
L37-835	P05800	Body Gasket	1	PR, 2-1/2", LD3, HD3
L37-836	P57410	Body Gasket	1	PD-35, PD-37, 60 AA, MF 60 w/ 5-1/4" or 6-1/4" Impellers & 90 AA
L39-658	P48690	Gasket	1	Series 1510
L39-659	P57700	Body Gasket	1	Series 1510

Motor Mounts



- Direct replacement for damaged or weak motor mounts
- **L37-335** fits Series 100, HV, PR, 1", 1-1/4", 1-1/2" and 2"
- **L37-337** replaces 118227, fits HD-3, LD-3, PD-35, PD-37, 60 AA, 60A, 2-1/2" and 1522
- Priced per pair

Order #	Mfg. #	Description
L37-335	118223	Ring Motor Mount Set

Order #	Mfg. #	Description
L37-337	118228	Ring Motor Mount Set

Pump Couplers



A



B

- **L37-350** (cast iron) are for use on Series 100, HV, PR, 1", 1-1/4", 1-1/2" and 2"
- **L37-206** (cast iron) is for use on 2-1/2", LD-3, HD-3, HLD-3 and HHD-3
- **L37-207** (cast iron) is for use on PD-35, PD-37, 60 AA and 1522

Fig.	Order #	Mfg. #	Description
A	**L37-350**	118705	Coupler Assembly
B	**L37-206**	118723	Coupler Assembly

Fig.	Order #	Mfg. #	Description
B	**L37-207**	118473	—

Pump Coupler



- Lovejoy replacement coupler for PD-35 and PD-37 booster pumps with 1/2" motor shafts

Order #	Mfg. #
L37-187	P77234

Lubricant



- For pumps and motors
- 2-1/2 fl. oz.

Order #	Mfg. #
G31-205	L25201

AquaPUMP Variable Speed Circulators

resideo



A



B

- Variable speed, in-line, ECM wet rotor circulator is designed for variable or constant pressure applications in closed-loop hydronic heating and cooling systems, as well as open circulation systems (stainless steel model)
- Capable of taking an analog control signal 0-10VDC
- Integral Flow Check included

Fig.	Order #	Mfg. #	Description	Body Type	Volts	Phase	RPM	Conn.	Flange Size	Flange to Flange	Wt. Lbs.	Each
A	**L51-015**	PCVF-ECM2020/U	Wet Rotor Variable Speed ECM 120V Circulator	Cast Iron	120	1	5W -45W	2-Bolt Flanged	3/4", 1", 1-1/4", 1-1/2"	6-1/2"	8	**779.00**
B	**L51-016**	PCVF-ECM2020-LF/U	Wet Rotor Variable Speed ECM 120V Stainless Steel Circulator	Stainless Steel	120	1	5W- 45W	2-Bolt Flanged	3/4", 1", 1-1/4", 1-1/2"	6-1/2"	6.7	**1099.00**

Additional Specifications

Fig.	Order #	Mfg. #	GPM @ 0'	GPM @ 1'	GPM @ 2'	GPM @ 3'	GPM @ 4'	GPM @ 6'	GPM @ 8'	GPM @ 10'	GPM @ 15'	GPM @ 16'	GPM @ 18'	Each
A	**L51-015**	PCVF-ECM2020/U	20	19	18	17	16	15	12	10	5.5	4	2	**779.00**
B	**L51-016**	PCVF-ECM2020-LF/U	20	19	18	17	16	15	12	10	5.5	4	2	**1099.00**

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AquaPumps

resideo

- Twist-To-Fit Universal Flange rotates 90° to fit every application
- 3-speed versatility allows maximum efficiency and provide sufficient flow rates with a single pump
- Threaded conduit connection
- Stainless steel plate and can
- Impeller engineered for a quieter, more efficient operation
- Ceramic bearings and shaf
- Includes check valve in the box



A



B

Fig.	Order #	Mfg. #	Body Type	HP	Flange to Flange	GPM @ 1'
A	**L81-110**	PC3F1558IUF00	Cast Iron	1/25	6.5"	15
B	**L81-111**	PC3F2699IUF00	Cast Iron	1/6	6.5"	34
B	**L81-112**	PC3F4344IUF00	Cast Iron	1/6	8.5"	59

AquaPump Accessories

Order #	Mfg. #	Description
L46-204	PCV100	Check Valve for PC3F1558IUF00
L46-205	PCV125	Check Valve for PC3F2699IUF00

Order #	Mfg. #	Description
L46-206	PCV150	Check Valve for PC3F4344IUF00

Astro Series Circulators

ARMSTRONG

- For use in hydronic heating and chilled water systems
- Smaller compact motor housing
- New terminal box is better located to facilitate easier installation
- Replaceable cartridge design



A



B



C



D



E



F

Fig.	Order #	Mfg. #	Model #	Body Type	Volts	Phase	RPM	HP	Conn.	Flange Size	Flange to Flange	Wt. Lbs.	Shutoff
A	**L81-602**	110223B-140	ASTRO 220SS050S-TA	Stainless Steel	115	1	3-Speed	1/8	Sweat	1/2"	5"	7-1/2	18
A	**L81-603**	110223B-144	ASTRO 220SSU-TA	Stainless Steel	115	1	3-Speed	1/8	Union	1-1/4"	5"	7-1/2	18
B	**L92-030**	ASTRO 230CI	110223-305	Cast Iron	115	1	1750	1/8	Flanged	3/4" to 1-1/2"	6-3/8"	8	18
C	**L92-032**	ASTRO 230SS	110223-306	Stainless Steel	115	1	1750	1/8	Flanged	3/4" to 1-1/2"	6-3/8"	8	18
B	**L92-031**	ASTRO 250CI	110223-307	Cast Iron	115	1	1750	1/6	Flanged	3/4" to 1-1/2"	6-3/8"	8	24
C	**L92-033**	ASTRO 250SS	110223-308	Stainless Steel	115	1	1750	1/6	Flanged	3/4" to 1-1/2"	6-3/8"	8	24
C	**L92-228**	ASTRO 280CI	110223-320	Cast Iron	115	1	1750	1/8	Flanged	3/4" to 1-1/2"	6-3/8"	10.1	32
C	**L81-606**	ASTRO 280SS	110223-321	Stainless Steel	115	1	3-Speed	1/8	Flanged	3/4" to 1-1/2"	6-1/2"	10.1	32
C	**L81-607**	ASTRO 280 CI (230V)	110223-322	Cast Iron	115	1	3-Speed	1/8	Flanged	3/4" to 1-1/2"	6-1/2"	10.1	32
D	**L81-608**	ASTRO 280 SS (230V)	110223-323	Stainless Steel	115/230	1	3-Speed	1/8	Flanged	3/4" to 1-1/2"	6-1/2"	10.1	32
E	**L92-229**	ASTRO 290CI	110223-328	Stainless Steel	115	1	1750	1/8	Flanged	3/4" to 1-1/2"	6-3/8"	13.2	64
F	**L81-609**	ASTRO 290SS	110223-329	Stainless Steel	115/230	1	3-Speed	1/8	Flanged	1" to 1-1/2"	6-1/2"	13.2	64

Additional Specifications

Fig.	Order #	Mfg. #	GPM @ 0'	GPM @ 1'	GPM @ 2'	GPM @ 3'	GPM @ 4'	GPM @ 5'	GPM @ 6'	GPM @ 7'	GPM @ 8'	GPM @ 10'	GPM @ 12'	GPM @ 13'	GPM @ 15'	GPM @ 16'	GPM @ 18'	GPM @ 20'	GPM @ 22'	GPM @ 23'	GPM @ 24'	GPM @ 25'	GPM @ 28'	GPM @ 29'
A	**L81-602**	110223B-140	18	17	16	15	14	13	12	11	10	8	6	5.5	3	2	1.5	—	—	—	—	—	—	—
A	**L81-603**	110223B-144	18	17	16	15	14	13	12	11	10	8	6	5.5	3	2	1.5	—	—	—	—	—	—	—
B	**L92-030**	ASTRO 230CI	18	17	16	15	14	13	12	11	10	8	6	5.5	3	2	1.5	—	—	—	—	—	—	—
C	**L92-032**	ASTRO 230SS	18	17	16	15	14	13	12	11	10	8	6	5.5	3	2	1.5	—	—	—	—	—	—	—
B	**L92-031**	ASTRO 250CI	24	22.5	21	20	19	17.5	16	15	14	12	9	7.5	5	4	2	—	—	—	—	—	—	—
C	**L92-033**	ASTRO 250SS	24	22.5	21	20	19	17.5	16	15	14	12	9	7.5	5	4	2	—	—	—	—	—	—	—
C	**L92-228**	ASTRO 280CI	32	31	31	31	30	29	28	27	26	25	23	20	19	18	17	16	14	10	10	9	7	2
C	**L81-606**	ASTRO 280SS	32	32	32	31	30	29	28	27	26	25	23	20	19	18	17	16	14	10	10	9	7	2
C	**L81-607**	ASTRO 280 CI (230V)	32	32	32	31	30	29	28	27	26	25	23	20	19	18	17	16	14	10	10	9	7	2
D	**L81-608**	ASTRO 280 SS (230V)	32	32	32	31	30	29	28	27	26	25	23	20	19	18	17	16	14	10	10	9	7	2
E	**L92-229**	ASTRO 290CI	64	64	58	57	50	48	44	41	36	28	20	14	6	—	—	—	—	—	—	—	—	—
F	**L81-609**	ASTRO 290SS	64	64	58	57	50	48	44	41	36	28	20	14	6	—	—	—	—	—	—	—	—	—

ARMSTRONG

Series S and H In-Line Circulators



A



B

- For use in residential and light commercial hydronic heating and chilled water systems
- Oversized shafts with integral thrust collars for long life
- Positive mechanical Armseal construction

Fig.	Order #	Mfg. #	Model #	Body Type	Volts	Phase	RPM	HP	Conn.	Flange Size	Flange to Flange	Wt. Lbs.	Shutoff
Series H													
A	**L81-440**	174034MF-043	H-32	Iron/Bronze Fitted	115	1	1800	1/6	Flange	1"-1-1/2"	8-1/2"	30	38
B	**L81-943**	110116MF-201	H-32, S-35	Cast Iron	115	1	1800	1/6	Flanged	1" - 1 1/2"	8-1/2"	18	38
B	**L81-948**	174034MF-013	H-32	Cast Iron	115	1	1800	1/6	Flanged	1" - 1 1/2"	8-1/2"	30	38
—	**L86-296**	174035MF-113	H-41BF	Iron/Bronze Fitted	115	1	1800	1/6	Flange	1"	8-1/2"	34	22
B	**L81-944**	110116MF-300	H-51	Cast Iron	115/230	1	1800	1/4	Flanged	1"	11-1/2"	29	45
—	**L86-255**	116431MF-132	H-51-1	Iron/Bronze Fitted	115	1	1800	1/4	Flange	1"	11-1/2"	48	45
B	**L81-945**	110116MF-302	H-53	Cast Iron	115/230	1	1800	1/2	Flanged	1 1/2"	11-1/2"	36	80
—	**L86-256**	116439MF-132	H-53-1	Iron/Bronze Fitted	115	1	1800	1/2	Flange	1-1/2"	11-1/2"	58	80
B	**L81-946**	116451MF-132	H-54BF-1	Cast Iron/Maintenance Free	115/230	1	1800	3/4	Flanged	2"	11-1/2"	68	95
B	**L93-438**	116475-132	H-64-1 BF	Bronze Fitted	115/230	1	1800	3/4	Flanged	1-1/2"	13-1/2"	89	55
A	**L93-439**	116476LF-133	H-64-1 AB	Lead Free Bronze	115/230	1	1800	3/4	Flanged	1-1/2"	13-1/2"	89	55
B	**L93-440**	116479-136A	H-64-3 BF	Bronze Fitted	208/230/460	1	1800	3/4	Flanged	1-1/2"	13-1/2"	89	55
A	**L93-441**	116480LF-137A	H-64-3 AB	Lead Free Bronze	208/230/460	1	1800	3/4	Flanged	1-1/2"	13-1/2"	89	55
Series S													
—	**L81-947**	174031MF-013	S-25	Cast Iron/Maintenance Free	115	1	1800	1/12	Flanged	3/4" - 1 1/2"	6-1/2"	19	33
—	**L81-942**	110116MF-200	S-25	Cast Iron	115	1	1800	1/12	Flanged	—	6-1/2"	13	32
—	**L81-439**	174031MF-043	S-25	Iron/Bronze Fitted	115	1	1800	1/12	Flange	3/4"-1-1/2"	6-1/2"	19	33
—	**L86-253**	174033MF-013	S-35BF	Iron/Bronze Fitted	115	1	1800	1/6	Flange	2"	8-1/2"	38	71
—	**L86-254**	174037MF-113	S-46BF	Iron/Bronze Fitted	115	1	1800	1/3	Flange	3"	10"	51	108

Additional Specifications

Fig.	Order #	Mfg. #	GPM @ 0'	GPM @ 1'	GPM @ 6'	GPM @ 8'	GPM @ 10'	GPM @ 12'	GPM @ 20'	GPM @ 23'	GPM @ 30'	GPM @ 40'
Series H												
A	**L81-440**	174034MF-043	38	N/A	35	26	15	—	—	—	—	—
B	**L81-943**	110116MF-201	38	—	35	26	15	—	—	—	—	—
B	**L81-948**	174034MF-013	38	—	35	26	15	—	—	—	—	—
—	**L86-296**	174035MF-113	22	N/A	N/A	25	22	20	—	—	—	—
B	**L81-944**	110116MF-300	45	—	—	—	42	38	20	—	—	—
—	**L86-255**	116431MF-132	45	N/A	N/A	N/A	42	38	20	—	—	—
B	**L81-945**	110116MF-302	80	—	—	—	—	80	60	50	—	—
—	**L86-256**	116439MF-132	80	N/A	N/A	N/A	N/A	80	60	50	—	—
B	**L81-946**	116451MF-132	95	—	—	—	—	—	80	65	—	—
B	**L93-438**	116475-132	55	—	—	—	45	—	44	—	42	38
A	**L93-439**	116476LF-133	55	—	—	—	45	—	44	—	42	38
B	**L93-440**	116479-136A	55	—	—	—	45	—	44	—	42	38
A	**L93-441**	116480LF-137A	55	—	—	—	45	—	44	—	42	38
Series S												
—	**L81-947**	174031MF-013	33	—	20	—	—	—	—	—	—	—
—	**L81-942**	110116MF-200	32	—	20	—	—	—	—	—	—	—
—	**L81-439**	174031MF-043	33	32	20	—	—	—	—	—	—	—
—	**L86-253**	174033MF-013	71	69	45	40	25	—	—	—	—	—
—	**L86-254**	174037MF-113	108	N/A	N/A	N/A	75	70	—	—	—	—



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Replacement Parts and Accessories

ARMSTRONG


A


B


C


D


E


F

Fig.	Order #	Mfg. #	Description	Application	Conn. Size	Wt. Lbs.	Pkg. Qty.	For Use With
A	**L38-025**	806026-001	Coupler	—	—	1	1	S-25, S-35, H-32 & H-41 Series
A	**L38-026**	806168-001	Coupler	—	—	1	1	S-45 & S-46 Series
A	**L38-027**	807436-001	Coupler	—	—	1	1	H-51, H-52, 1050-1B, 1050-11/4B, 1050-11/2B & 1050-2B Series
B	**L81-951**	816023MF-001	Seal Bearing Assembly Maintenance Free	Maintenance Free Design	—	3	1	S-35, B&G Pumps Only
C	**L81-952**	816027MF-002	Seal Bearing Assembly Maintenance Free	Maintenance Free Design	—	4	1	S-45,46 & H-41
D	**L81-953**	816032MF-000	Seal Bearing Assembly Maintenance Free	Maintenance Free Design	—	13	1	S-55,57, H-51-54
B	**L86-267**	816133-000	Seal Bearing Assembly	Sleeve Design	—	33	1	B&G A & 60 Series
B	**L81-954**	816549MF-091	Seal Bearing Assembly Maintenance Free	Maintenance Free Design	—	3	1	S-35, H-32
—	**L81-955**	816999MF-041	Seal Bearing Module Maintenance Free	Maintenance Free Design	—	3	1	S-25 to S-57, H-32 to H-54
C	**L38-030**	812961-111	Impeller	—	2 3/4"	1	1	S-25 Series
C	**L38-031**	816556-111	Impeller	—	3 3/8"	1	1	B&G HV & 2" Steel Series (Older 6" Dia. Motor)
C	**L38-428**	816322-111	Impeller	—	3 3/8"	1	1	H-32 & S-35 Series
C	**L38-429**	816305-325	Impeller	—	4 1/4"	1	1	S-46 Series
C	**L38-430**	816302-319	Impeller	—	5"	1	1	H-51 Series
C	**L38-431**	816303-317	Impeller	—	5 1/4"	1	1	H-53 & 1050-11/2B Series
C	**L38-433**	816301-325	Impeller	—	4 1/4"	1	1	H-41 Series
—	**L38-032**	816706-021	Seal Kit	—	—	1	1	S-25, H-32, S-35, H-41, S-45, S-46, S-55, S-57, H-51, H-52, H-53, H-54, 1050-1B, 1050-11/4B, 1050-11/2B, 1050-2B
D	**L43-742**	816013-111	3/4" Cast Iron Flange Kits	—	—	2	1	AS-20, 30, 50 & 70 Series
D	**L43-743**	816012-111	1" Cast Iron Flange Kits	—	—	2	1	AS-20, 30, 50 & 70 Series
D	**L43-744**	816011-111	1-1/4" Cast Iron Flange Kits	—	—	2	1	AS-20, 30, 50 & 70 Series
E	**L47-203**	816013-841	3/4" Bronze Flange Kits	—	—	2	1	AS-20B, 30B, 50B & 70B Series
E	**L47-204**	813012-841	1" Bronze Flange Kits	—	—	2	1	AS-20B, 30B, 50B & 70B Series
E	**L47-205**	816011-841	1-1/4" Bronze Flange Kits	—	—	2	1	AS-20B, 30B, 50B & 70B Series
E	**L47-206**	816009-841	1-1/2" Bronze Flange Kit	—	—	2	1	AS-20B, 30B, 50B & 70B Series
F	**L48-029**	810120-320	1-1/4"x1/2" SW Lead Free Bronze Companion Flange Kit	—	—	2	1	Astro 220SSU/225SSU
F	**L48-030**	810120-324	1-1/4"x3/4" NPT Lead Free Bronze Companion Flange Kit	—	—	2	1	Astro 220SSU/225SSU

Replacement Motors

ARMSTRONG

- **S88-873** has five bolt holes and **S88-874** has four bolt holes
- **S88-876** is a Bell & Gossett direct replacement



Order #	Mfg. #	Volts	Amps	HP	RPM	For Use With
S88-872	805316-010	115	2.5	1/12	1750	L86-249 & L86-250
S88-873	817025-005	115	3.6	1/6	1750	S88-377
S88-874	817025-001	115	3.6	1/6	1750	L86-251, L86-252 & L86-253
S88-875	816141-001	115	5.0	1/4	1750	L86-255
S88-876	817025-007	115	5.0	1/4	1750	S88-481
S88-877	817025-013	115	5.4	1/3	1750	L86-254 & L86-103
S88-878	811757-001	115/208-230	7.2/3.7-3.6	1/2	1750	L86-256
S88-879	811757-002	115/208-230	8.8/4.5-4.4	3/4	1750	L86-257

ARMSTRONG



Motor Mounted End Suction Centrifugal Pumps

- For use on cooling towers, HVAC and general purpose applications
- Aluminum die cast adapter with integral support foot deliverying light weight, durable construction
- Carbon rotating element against a stationary seat mechanical seal
- High strength engineered resin impeller
- Cast iron body
- Single-phase, 115/230V motor, 3500 RPM

Order #	Mfg. #	Model #	Body Type	Volts	Phase	RPM	HP	Conn.	Flange Size	Flange to Flange	Wt. Lbs.	Shutoff	GPM @ 20'	GPM @ 25'	GPM @ 30'	GPM @ 40'	GPM @ 50'	GPM @ 60'	GPM @ 70'	GPM @ 80'	GPM @ 90'
L80-091	702S	702S	Cast Iron	115/230	1	3500	1/2	1-1/4" x 1"	1"	3"	79	45	47	42	40	29.5	—	—	—	—	—
L80-093	704S	704S	Cast Iron	115/230	1	3500	1	1-1/4" x 1"	1"	3"	88	53	N/A	N/A	N/A	N/A	48	41	30	35	5
L80-094	705S	705S	Cast Iron	115/230	1	3500	1-1/2	1-1/4" x 1"	1"	3"	108	61	N/A	N/A	N/A	N/A	N/A	55	48	61	55
L80-095	706S	706S	Cast Iron	115/230	1	3500	2	1-1/2" x 1-1/4"	1-1/4"	3"	113	48	N/A	N/A	N/A	N/A	N/A	N/A	65	—	—
L80-096	707S	707S	Cast Iron	115/230	1	3500	1-1/2	2" x 1-1/2"	1-1/2"	3"	117	81	90	97	95	72	54	23	—	—	—

ARMSTRONG

E Series Permanently Lubricated Circulator Pumps

- High efficiency dry motor design, up to 70% more efficient than competitive pumps of similar power
- 30% smaller than other dry motor circulators
- Carbon/silicon carbide mechanical seal
- Bronze models for use in open domestic water recirculation systems



A



B



C



D

Fig.	Order #	Mfg. #	Model #	Body Type	Volts	Phase	RPM	HP	Conn.	Flange Size	Flange to Flange	Wt. Lbs.	Shutoff	GPM @ 0'	GPM @ 5'	GPM @ 10'	GPM @ 15'	GPM @ 20'	GPM @ 25'	GPM @ 30'	GPM @ 35'
A	**L92-220**	182202-643	E7.2	Cast Iron	120	1	3400	1/6	Flanged	1-1/4"	6-2/5"	13.1	38	38	29	23	19	12	8	—	—
A	**L92-221**	182202-644	E7.2B	Bronze	120	1	3400	1/6	Flanged	1-1/4"	6-2/5"	13.3	38	38	29	23	19	12	8	—	—
—	**L81-949**	182202-645	E8.2	Cast Iron	240	1	3400	1/6	Flanged	1-1/4"	6-2/5"	13.1	38	38	35	31	26	22	17	—	—
B	**L81-612**	182202-649	E10.2	Cast Iron	120	1	3300	1/6	Flanged	1-1/2"	8-1/2"	15.1	42	42	38	32	27	18	10	—	—
B	**L81-613**	182202-650	E10.2B	Bronze Fitted	120	1	3300	1/6	Flanged	1-1/2"	8-1/2"	15.1	42	42	38	32	27	18	10	—	—
A	**L92-222**	182202-651	E11.2	Cast Iron	120	1	3300	1/6	Flanged	1-1/2"	8-1/2"	15.1	45	45	40	35	29	21	14	—	—
A	**L92-223**	182202-652	E11.2B	Bronze	120	1	3000	1/6	Flanged	1-1/2"	8-1/2"	15.1	45	45	40	35	29	21	14	—	—
A	**L92-224**	182202-655	E13.2	Cast Iron	120	1	3400	1/6	Flanged	1-1/2"	8-1/2"	15.1	53	53	45	38	25	—	—	—	—
A	**L92-225**	182202-656	E13.2B	Bronze	120	1	3400	1/6	Flanged	1-1/2"	8-1/2"	14.8	53	53	45	38	25	—	—	—	—
C	**L81-618**	182212-651	E23.2	Cast Iron	120	1	3400	2/5	Flanged	1-1/2"	8-1/2"	20.7	82	82	78	72	65	55	45	30	5
D	**L81-616**	182212-610	E23.2	Cast Iron	240	1	3400	2/5	Flanged	1-1/2"	8-1/2"	20.7	82	82	78	74	64	55	46	32	8
C	**L81-619**	182212-652	E23.2B	Bronze Fitted	120	1	3400	2/5	Flanged	1-1/2"	8-1/2"	20.9	82	82	78	72	65	55	45	30	5
D	**L81-617**	182212-611	E23.2B	Bronze Fitted	240	1	3400	2/5	Flanged	1-1/2"	8-1/2"	20.9	—	—	—	—	—	—	—	—	—
D	**L81-614**	182212-604	E30.2	Cast Iron	240	1	3350	2/5	Flanged	2"-3"	8-1/2"	17.2	128	128	112	97	70	40	—	—	—
A	**L92-226**	182212-645	E30.2-2"	Cast Iron	120	1	—	2/5	Flanged	2"	8-1/2"	17.2	39	39	35	30	28	20	18	—	—
A	**L92-227**	182212-646	E30.2B-2"	Bronze	120	1	—	2/5	Flanged	2"	8-1/2"	25.7	39	39	35	30	28	20	18	—	—
D	**L81-615**	182212-605	E30.2B	Bronze Fitted	240	1	3350	2/5	Flanged	2"-3"	8-1/2"	25.7	128	128	112	97	70	40	—	—	—

ARMSTRONG

Replacement Parts and Accessories



A



B



C



D

Fig.	Order #	Mfg. #	Description	For Use With
A	**L47-207**	806073-841	1" Bronze Flange Kits	E10, E11, E13, E19, E21, E22, E23 & E24 Series
B	**L43-746**	806073-111	1" Cast Iron Flange Kits	E10, E11, E13, E19, E21, E22, E23 & E24 Series
A	**L47-208**	804300-841	1-1/4" Bronze Flange Kits	E10, E11, E13, E19, E21, E22, E23 & E24 Series
B	**L43-747**	804300-111	1-1/4" Cast Iron Flange Kits	E10, E11, E13, E19, E21, E22, E23 & E24 Series
A	**L47-209**	804301-841	1-1/2" Bronze Flange Kits	E10, E11, E13, E19, E21, E22, E23 & E24 Series
B	**L43-748**	804301-111	1-1/2" Cast Iron Flange Kits	E10, E11, E13, E19, E21, E22, E23 & E24 Series
C	**L48-028**	806074-841	2" Lead Free Bronze Flange Kit	E16B Pump
D	**L48-027**	806074-111	2" Cast Iron Flange Kit	E16 Pump

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Header Mounted Pumps

- For use in Raypak and Laars boilers
- Quiet sleeve bearing assembly and non-ferrous impeller
- Standard Viton seal kit included
- Noryl plastic impeller rated to 400°F
- 115V **L80-088**, 115/208/230V **L80-089** and **L80-090**



Order #	Mfg. #	Model #	Description	Body Type	Volts	Phase	RPM	HP	Conn.	Wt. Lbs.
L80-088	110108MF-675	Raypak 1/MF	Boiler Header Pump	Steel	115	1	1750	1/3	Flange	28
L80-089	110108MF-677	Raypak 2/MF	Boiler Header Pump	Steel	115/208-230	1	1750	1/2	Flange	38
L80-090	110108MF-717	Raypak 3/MF	Boiler Header Pump	Steel	115/208-230	1	1750	3/4	Flange	38

Isolation Flanges

The Isolator Uniflange Ball Valve

- Heavy-duty forged brass construction
- Full port for full flow
- 600 WOG, 150 WSP
- Unibody construction
- Prevents electrolysis and eliminates galvanic corrosion
- **R55-637** through **R55-641** include quick quarter turn ball valve purge/drain feature
- For hydronic system applications – not for use in potable systems
- **R55-630**, **R55-636**, **R55-641** and **R55-646** are for use with high velocity pump applications
- **R56-340** through **R56-347** are full port forged brass ballvalves with detachable rotating flange
- **R56-348** through **R56-355** are full port forged brass ball valves with detachable rotating flange and hi-flow hose drain



A



B



C



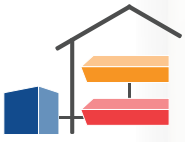
D



E

Fig.	Order #	Mfg. #	Model #	Conn. Size	Ball/Stem Material
A	**R55-625**	H-40402	H-40402	1/2" IPS x Flange	Brass
A	**R55-626**	H-40403	H-40403	3/4" IPS x Flange	Brass
A	**R55-627**	H-40404	H-40404	1" IPS x Flange	Brass
A	**R55-628**	H-40405	H-40405	1-1/4" IPS x Flange	Brass
A	**R55-629**	H-40406	H-40406	1-1/2" IPS x Flange	Brass
A	**R55-630**	H-40407HV	H-40407HV	2" IPS x Flange	Brass
B	**R55-637**	H-40413	H-40413	3/4" IPS x Flange	Brass
B	**R55-638**	H-40414	H-40414	1" IPS x Flange	Brass
B	**R55-639**	H-40415	H-40415	1-1/4" IPS x Flange	Brass
B	**R55-640**	H-40416	H-40416	1-1/2" IPS x Flange	Brass
B	**R55-641**	H-40417HV	H-40417HV	2" IPS x Flange	Brass
C	**R56-340**	H-41403	H-41403	3/4" IPS x Flange	Brass
C	**R56-341**	H-41404	H-41404	1" IPS x Flange	Brass
C	**R56-342**	H-41405	H-41405	1 1/4" IPS x Flange	Brass
C	**R56-343**	H-41406	H-41406	1 1/2" IPS x Flange	Brass
D	**R56-348**	H-41413	H-41413	3/4" IPS x Flange	Brass
D	**R56-349**	H-41414	H-41414	1" IPS x Flange	Brass
D	**R56-350**	H-41415	H-41415	1-1/4" IPS x Flange	Brass
D	**R56-351**	H-41416	H-41416	1-1/2" IPS x Flange	Brass
A	**R55-631**	H-50402	H-50402	1/2" SWT x Flange	Brass

Fig.	Order #	Mfg. #	Model #	Conn. Size	Ball/Stem Material
A	**R55-632**	H-50403	H-50403	3/4" SWT x Flange	Brass
A	**R55-633**	H-50404	H-50404	1" SWT x Flange	Brass
A	**R55-634**	H-50405	H-50405	1-1/4" SWT x Flange	Brass
A	**R55-635**	H-50406	H-50406	1-1/2" SWT x Flange	Brass
A	**R55-636**	H-50407HV	H-50407HV	2" SWT x Flange	Brass
B	**R55-642**	H-50413	H-50413	3/4" SWT x Flange	Brass
B	**R55-643**	H-50414	H-50414	1" SWT x Flange	Brass
B	**R55-644**	H-50415	H-50415	1-1/4" SWT x Flange	Brass
B	**R55-645**	H-50416	H-50416	1-1/2" IPS x Flange	Brass
B	**R55-646**	H-50417HV	H-50417HV	2" IPS x Flange	Brass
C	**R56-344**	H-51403	H-51403	3/4" SWT x Flange	Brass
C	**R56-345**	H-51404	H-51404	1" SWT x Flange	Brass
C	**R56-346**	H-51405	H-51405	1 1/4" SWT x Flange	Brass
C	**R58-890**	H-51405HV	H-51405HV	1 1/4" SWT x Flange	Brass
C	**R56-347**	H-51406	H-51406	1 1/2" SWT x Flange	Brass
E	**R56-352**	H-51413	H-51413	3/4" SWT x Flange	Brass
E	**R56-353**	H-51414	H-51414	1" SWT x Flange	Brass
E	**R56-354**	H-51415	H-51415	1-1/4" SWT x Flange	Brass
E	**R56-355**	H-51416	H-51416	1-1/2" SWT x Flange	Brass



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Single-zone or multi-zone system matches

Lead-Free Isolation Flanges

The Isolator Uniflange Ball Valve

- Heavy-duty forged brass construction
- Full port for full flow
- 600 WOG, 150 WSP
- Unibody construction
- Prevents electrolysis and eliminates galvanic corrosion
- Lead-free products are certified to ASSE 1061 & NSF/ANSI 61-G


A


B


C


D


E


F


G


H

Fig.	Order #	Mfg. #	Model #	Conn. Size	Ball/Stem Material
A	**R57-289**	H-41403W	H-41403W	3/4" IPS x Flange	Brass
A	**R57-290**	H-41404W	H-41404W	1" IPS x Flange	Brass
B	**R57-291**	H-41405W	H-41405W	1-1/4" IPS x Flange	Brass
B	**R57-292**	H-41405WHV	H-41405WHV	1-1/4" IPS x Flange	Brass
B	**R57-293**	H-41406W	H-41406W	1 1/2" IPS x Flange	Brass
B	**R57-294**	H-41406WHV	H-41406WHV	1-1/2" IPSx Flange	Brass
C	**R57-295**	H-41413W	H-41413W	3/4" IPS x Flange	Brass
D	**R57-296**	H-41413WKIT	H-41413WKIT	3/4" IPS w/ Rotating Flange	Brass
C	**R57-297**	H-41414W	H-41414W	1" IPS x Flange	Brass
C	**R57-298**	H-41414WHV	H-41414WHV	1" IPS x Flange	Brass
D	**R57-299**	H-41414WKIT	H-41414WKIT	1" IPS w/ Rotating Flange	Brass
C	**R57-300**	H-41415W	H-41415W	1-1/4" IPS x Flange	Brass
C	**R57-301**	H-41415WHV	H-41415WHV	1-1/4" IPS x Flange	Brass
D	**R57-302**	H-41415WKIT	H-41415WKIT	1-1/4" IPS w/ Rotating Flange	Brass
C	**R57-303**	H-41416W	H-41416W	1-1/2" IPS x Flange	Brass

Fig.	Order #	Mfg. #	Model #	Conn. Size	Ball/Stem Material
C	**R57-304**	H-41416WHV	H-41416WHV	1-1/2" IPS x Flange	Brass
E	**R57-305**	H-51403W	H-51403W	3/4" SWT x Flange	Brass
F	**R57-306**	H-51404W	H-51404W	1" SWT x Flange	Brass
F	**R57-307**	H-51404WHV	H-51404WHV	1" SWT x Flange	Brass
F	**R57-308**	H-51405W	H-51405W	1-1/4" SWT x Flange	Brass
F	**R57-309**	H-51405WHV	H-51405WHV	1-1/4" SWT x Flange	Brass
F	**R57-310**	H-51406W	H-51406W	1 1/2" SWT x Flange	Brass
F	**R57-311**	H-51406WHV	H-51406WHV	1 1/2" SWT x Flange	Brass
G	**R57-312**	H-51413W	H-51413W	3/4" SWT x Flange	Brass
H	**R57-313**	H-51413WKIT	H-51413WKIT	3/4" IPS w/ Rotating Flange	Brass
G	**R57-314**	H-51414W	H-51414W	1" SWT x Flange	Brass
G	**R57-315**	H-51414WHV	H-51414WHV	1" SWT x Flange	Brass
H	**R57-316**	H-51414WKIT	H-51414WKIT	1" IPS w/ Rotating Flange	Brass
G	**R57-317**	H-51415W	H-51415W	1-1/4" SWT x Flange	Brass

Double Flanged Check Valves



- Uni-body design reduces leak paths
- Adds a check valve to any pump
- Installs between the pump & isolator uni-flange ball valve
- Inner & outer flanges are designed to help prevent problems from over-torquing
- 360° rotating flange with snap ring provides greater control during installation
- Guaranteed for life

Order #	Mfg. #	Model #	Conn. Size	Body Type
R57-469	H-13703HV	H-13703HV	3/4" - 1-1/4"	3/4" thru 1-1/4" Isolator Double Flg Check Flange x Rotating Flange; Fits - Isolator Ball Valves
R57-470	H-13706HV	H-13706HV	1-1/2" - 2"	1-1/2" thru 2" Isolator Double Flg Check Flange x Rotating Flange; Fits - Isolator Ball Valves

Pro-Pal Series® Union-Ball Drain™

Full Port Forged Brass Ball Valves with Single Union End, Hi-Flow Hose Drain and Reversible Handle



- Five-in-one alternative replaces a union + nipple + ball valve + tee fitting + purge drain
- Easily disconnect and replace any portion of a system
- Eliminate assemblies needed to isolate the system and drain after the ball
- For hydronic system applications – not for use in potable system

Order #	Mfg. #	Description	Size
R56-322	H-40433	3/4" IPS UNION BALL DRAIN	3/4" Union x IPS
R56-323	H-40434	1"IPS UNION BALL DRAIN	1" Union x IPS
R56-324	H-40435	1-1/4" IPS UNION BALL DRAIN	1-1/4" Union x IPS
R56-325	H-40436	1-1/2" IPS UNION BALL DRAIN	1-1/2" Union x IPS
R56-326	H-50433	3/4" SWT UNION BALL DRAIN	3/4" Union x SWT
R56-327	H-50434	1"SWT UNION BALL DRAIN	1" Union x SWT
R56-328	H-50435	1-1/4" SWT UNION BALL DRAIN	1-1/4" Union x SWT
R56-329	H-50436	1-1/2" SWT UNION BALL DRAIN	1-1/2" Union x SWT

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Lead-Free Pro-Pal Series® Union-Ball Drain™

Full Port Forged Brass Ball Valves with Single Union End, Hi-Flow Hose Drain and Reversible Handle

- Five-in-one alternative replaces a union + nipple + ball valve + tee fitting + purge drain
- Easily disconnect and replace any portion of a system
- Eliminate assemblies needed to isolate the system and drain after the ball
- Lead-free products are certified to ASSE 1061 & NSF/ANSI 61-G

Fig.	Order #	Mfg. #	Model #	Conn. Size	Ball/Stem Material
A	**R57-267**	H-40433W	H-40433W	3/4" Union x IPS	Brass
A	**R57-268**	H-40434W	H-40434W	1" Union x IPS	Brass
A	**R57-269**	H-40435W	H-40435W	1-1/4" Union x IPS	Brass
A	**R57-270**	H-40436W	H-40436W	1-1/2" Union x IPS	Brass
B	**R57-277**	H-50433W	H-50433W	3/4" Union x SWT	Brass
B	**R57-278**	H-50434W	H-50434W	1" Union x SWT	Brass
B	**R57-279**	H-50435W	H-50435W	1-1/4" Union x SWT	Brass
B	**R57-280**	H-50436W	H-50436W	1-1/2" Union x SWT	Brass


A


B

Pro-Pal Series® Ball Drain™

Full Port Forged Brass Ball Valves with Hi-Flow Hose Drain Reversible Handle

- Three-in-one alternative replaces a ball valve + tee fitting + purge drain
- Isolate and drain an entire house with a single quarter-turn action
- For hydronic system applications – not for use in potable system
- Eliminate assemblies needed to isolate and drain any portion of a piped system

Fig.	Order #	Mfg. #	Description	Size
A	**R56-330**	H-40613	3/4" IPS BALL DRAIN	3/4" IPS
A	**R56-331**	H-40614	1"IPS BALL DRAIN	1" IPS
A	**R56-332**	H-40615	1-1/4" IPS BALL DRAIN	1-1/4" IPS
A	**R56-333**	H-40616	1-1/2" IPS BALL DRAIN	1-1/2" IPS
B	**R56-334**	H-50613	3/4" CxC BALL DRAIN	3/4" C x C
B	**R56-335**	H-50614	1"CxC BALL DRAIN	1" C x C
B	**R56-336**	H-50615	1-1/4" CxC BALL DRAIN	1-1/4" C x C
B	**R56-337**	H-50616	1-1/2" CxC BALL DRAIN	1-1/2" C x C


A


B

Lead-Free Pro-Pal Series® Ball Drain™

Full Port Forged Brass Ball Valves with Hi-Flow Hose Drain and Reversible Handle

- Three-in-one alternative replaces a ball valve + tee fitting + purge drain
- Isolate and drain an entire house with a single quarter-turn action
- SWT x IPS option designed specifically for use with pre-fabricated threaded headers
- Eliminate assemblies needed to isolate and drain any portion of a piped system
- Lead free products are certified to ASSE 1061 & NSF/ANSI 61-G

Fig.	Order #	Mfg. #	Model #	Conn. Size	Ball/Stem Material
A	**R57-271**	H-40612W	H-40612W	1/2" IPS	Brass
A	**R57-272**	H-40613W	H-40613W	3/4" IPS	Brass
A	**R57-273**	H-40614W	H-40614W	1" IPS	Brass
A	**R57-274**	H-40615W	H-40615W	1-1/4" IPS	Brass
A	**R57-275**	H-40616W	H-40616W	1-1/2" IPS	Brass
A	**R57-276**	H-40617W	H-40617W	2" IPS	Brass
B	**R57-281**	H-50612W	H-50612W	1/2" C x C	Brass
B	**R57-282**	H-50613W	H-50613W	3/4" C x C	Brass
B	**R57-283**	H-50614W	H-50614W	1" C x C	Brass
B	**R57-284**	H-50615W	H-50615W	1-1/4" C x C	Brass
B	**R57-285**	H-50616W	H-50616W	1-1/2" C x C	Brass
A	**R57-286**	H-54613W	H-54613W	3/4" SWT x IPS	Brass
A	**R57-287**	H-54614W	H-54614W	1" SWT x IPS	Brass


A


B

Pro-Pal Series® Purge Tee Valves



- For hydronic system applications – not for use in potable system
- Specifically designed for power purging individual loops in a hydronic heating system and ensures the critical distance between tees is within tolerance for hydronic separation
- Ideal for primary/secondary piping in mod-con boiler systems

Order #	Mfg. #	Conn. Size	Size	Inlet Conn.	Outlet Conn.	Description	Max. Pressure
R56-921	H-58643	1" x 3/4" SWT	1" x 3/4"	SWT Primary Loop	SWT Secondary Loop	1" x 3/4" SWT PRIM/SEC LOOP PURGE TEE	600 WOG
R56-899	H-58644	1" x 1" SWT	1" x 1"	SWT Primary Loop	SWT Secondary Loop	1" x 1" SWT PRIM/SEC LOOP PURGE TEE	600 WOG
R56-902	H-58653	1-1/4"x 3/4" SWT	1-1/4" x 3/4"	SWT Primary Loop	SWT Secondary Loop	1-1/4" x 3/4" SWT PRIM/SEC LOOP PURGE TEE	600 WOG
R56-901	H-58654	1-1/4" x 1" SWT	1-1/4" x 1"	SWT Primary Loop	SWT Secondary Loop	1-1/4" x 1" SWT PRIM/SEC LOOP PURGE TEE	600 WOG
R56-900	H-58655	1-1/4"x 1-1/4"	1-1/4" x 1-1/4"	SWT Primary Loop	SWT Secondary Loop	1-1/4" x 1-1/4" PRIM/SEC LOOP PURGE TEE	600 WOG

Hot Water Recirculation Systems

- Each system is fully automatic and controlled by built-in sensors
- **N87-653** is for homes without a dedicated return line, does not require power under the furthest fixture
- **N87-654** does not require a dedicated return line. Requires power under the furthest fixture
- **N87-655** is single speed and requires dedicated return line
- **N87-656** 3-speed, works with tank or tankless water heaters, requires dedicated return line



A



B



C



D



E

Fig.	Order #	Mfg. #	Model #	Description	Body Type	Volts	RPM	HP	Conn.	Flange Size	Flange to Flange	Wt. Lbs.	Shutoff
A	**N87-653**	100306288	FT1	No return line, no power under sink, type pump	Stainless	120	3200	1/25	3/4"MNPT x 3/4"FNPT	—	—	10	4'
B	**N87-654**	100306289	UT1	No return line, power under sink, type pump	Stainless	120	3200	1/25	Union 1/2"FIP	—	—	10	11'
C	**N87-655**	100306290	RT1	Dedicated return, tank heater only, type pump	Stainless	120	3200	1/25	Union 1/2"FIP	—	—	10	11'
D	**N87-656**	100306341	RG3	Dedicated return, tank/tankless, type pump	Stainless	120	3200	1/25	Flanged	3/4" FNPT	6.25"	10	20'
E	**N46-445**	100306591	—	Bypass Valve	Lead Free Brass	—	—	—	3/8" Compression	—	—	1.3	—

Comfort PM Hot Water Recirculators



- Low noise permanent magnet motor
- Integral external sensor cable
- 6' line cord standard
- Lead-free brass housing
- Designed for single family homes with dedicated hot water return piping
- Features AutoAdapt which learns and stores water consumption patterns ensuring pump only runs when required

Order #	Mfg. #	Model #	Body Type	Volts	Phase	RPM	HP	Conn.	Flange to Flange	Wt. Lbs.	Shutoff	GPM @ 1'	GPM @ 2'	GPM @ 3'	GPM @ 4'	GPM @ 5'
L82-043	98420222	UP 10-16 A PM B5/LC	Lead free brass	115	1	Variable	1/40	1/2" Sweat	3-1/8"	2.9	3.63'	3	2.4	1.7	1.1	<0.5
L82-046	98420224	UP 10-16 A PM BU/LC	Lead free brass	115	1	Variable	1/40	1-1/4" Union	4-3/8"	3.8	3.63'	2.5	1.9	1.3	0.7	<0.5

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Hot-LinkPlus-e™ ECM High-Efficiency Hot Water Recirculation System

Retrofits to Existing Plumbing System

- The Hot-LinkPlus-e with its 006e3 ECM Circulator provides hot water in seconds. No timers or programming
- Easy to use Low/Medium/High dial
- "Smart" setting maximizes hot water comfort and energy savings
- High-efficiency ECM motor uses up to 85% less electricity
- SureStart® automatically purges air and unblocks the pump
- 3/4" NPT male & female union fitting set included
- Double insulated, no ground wire required
- Includes a 6' power cord
- Easy to install and whisper quiet operation
- Average residential water savings of 12,000 gallons per year
- Not suitable for chilled water
- Indoor use only


A


B

Fig.	Order #	Mfg. #	Description	Body Type	Volts	Phase	RPM	HP	Conn.	Wt. Lbs.
A	**L82-146**	HLPe-1	Hot-LinkPlus-e ECM Hot Water Recirculation System	Composite	120	1	1440-3720	1/40	3/4" NPT male & female union	7
—	**L48-132**	HK-1	Hot-Link Hose Kit	—	—	—	—	—	—	—
B	**L48-131**	HLV-1	Hot-Link Valve	Nylon	—	—	—	—	—	—

Plumb n'Plug® Domestic Hot Water Recirculator Pumps

For Systems with Return Line Piping

- Provides instant hot water at the faucet
- Includes factory installed 6' line cord and 24-hour timer
- Unique replaceable cartridge design
- Quiet, efficient operation
- 003 PNP series for loop lengths under 200'
- 006 PNP series for loop lengths of 200' to 400'
- Optional aquastat available
- 3250 RPM

Specifications:

- For use only on systems with dedicated return line piping



Order #	Mfg. #	Body Type	Volts	Phase	RPM	HP	Conn.	Wt. Lbs.	Shutoff	GPM @ 1'	GPM @ 3'	GPM @ 5'
L86-347	003-BC4-PNP	Bronze	115	1	3250	1/40	1/2" SWT	7	6'	5	3.5	—
L86-348	003-B4-PNP	Bronze	115	1	3250	1/40	3/4" SWT	7	6'	5	3.5	—
L86-349	006-BC4-PNP	Bronze	115	1	3250	1/40	1/2" SWT	7	8'	9	7.0	5
L86-350	006-B4-PNP	Bronze	115	1	3250	1/40	3/4" SWT	7	8'	9	7.0	5

SmartPlug® Instant Hot Water Control

- Designed to upgrade any hot water recirculation system
- SmartPlug replaces inefficient timers and aquastats typically used in recirculation systems
- Adds intelligence to your system by learning the hot water is usage
- The pipe-mounted temperature sensor records daily hot water usage patterns during the course of a week
- Recorded data is used to automatically run the circulator at the same times the following week allowing hot water to be available when needed
- If usage pattern changes, the SmartPlug adjusts automatically
- No programming, timers or aquastats required
- Sensor Included



Order #	Mfg. #	Description	Volts	F/L Amps
L50-697	SP115-1	Hot Water Circulator Control	120	6

SmartPlus-e™ ECM High Efficiency Hot Water Recirculation System

For Systems with Return Line Piping

- Ideal for systems with a dedicated hot water return line and tank-style water heater
- The SmartPlus-e pairs a 006e3 ECM hot water circulator with the intelligence of the award-winning SmartPlug Instant Hot Water Control in one easily-installed package
- The SmartPlug control learns hot water usage patterns and delivers when needed
- Uses up to 85% less electricity than a conventional circulator
- SureStart® automatically purges air and unblocks the pump
- Double insulated, no ground wire required
- No programming needed
- Saves on average 12,000 gallons of water per year by eliminating the wait for hot water

Specifications:

- For use only on systems with dedicated return line piping



Order #	Mfg. #	Body Type	Volts	Phase	RPM	HP	Conn.	Flange Size	Wt. Lbs.
L82-145	SPe-1	Composite	120	1	1440-3720	1/40	1" Union	(Optional 1/2" & 3/4" fitting sets available)	5

Kelvion Brazed Plate Heat Exchangers



- Full thickness 316L copper brazed plates
- Mounting studs included
- Ideal for residential applications such as radiant, snow melt and domestic hot water

Order #	Mfg. #	Description
B18-847	100246884	3/4" MPT Copper Brazed Plate Heat Exchanger
B18-848	100237520	3/4" MPT Copper Brazed Plate Heat Exchanger
B18-849	100322598	3/4" MPT Copper Brazed Plate Heat Exchanger
B18-850	100237523	1" MPT Copper Brazed Plate Heat Exchanger
B18-851	100257137	1" MPT Copper Brazed Plate Heat Exchanger

Hot Water Expansion Tanks



- ETX Series Non-Potable Water Expansion Tanks are for use in commercial and residential closed loop hydronic heating system piping to control the thermal expansion of hot water and maintain system pressure below the relief setting of the relief valve

Order #	Mfg. #	Model #	Type	Conn. Size	Tank Size	Max. Volume	Diam.	Height
L81-225	0066605	ETX-15	Hydronic	1/2" MNPT	2.1 Gal.	1	8"	12-1/2"
L81-226	0066606	ETX-30	Hydronic	1/2" MNPT	4.5 Gal.	2.5	11"	14"
L81-227	0066607	ETX-60	Hydronic	1/2" MNPT	6 Gal.	3	11-3/8"	17-3/16"
L81-228	0066608	ETX-90	Hydronic	3/4" MNPT	15 Gal.	6	16"	20-13/16"

Hot Water Expansion Tanks

- Pre-pressurized, diaphragm-type expansion tank with a standard charge of 12 PSI
- Tanks are of welded steel construction
- **L86-190**, **L86-191** and **L86-192** can be used in glycol systems and should be installed into bottom of purger using a single 1/2" nipple for both pipe connection and mounting
- **L86-478** and **L86-479** can be used in glycol systems and includes automatic pressure reducing valve and are fully adjustable up to 100 PSIG maximum working pressure
- For hydronic system applications – not for use in potable system
- **L86-193** and **L86-194** have a system connection of 3/4" brass and are listed by IAPMO, SBCCI and NSF61



A



B



C



D



E

Hazardous Material Shipping Alert

Fig.	Order #	Mfg. #	Type	Conn. Size	Tank Size	Max. Volume	Diam.	Height
A	**L86-190**	15	Extrol - Hydronic	—	2.0 Gal.	1.0 Gal.	8"	12-5/8"
A	**L86-191**	30	Extrol - Hydronic	—	4.4 Gal.	2.5 Gal.	11"	15-1/2"
A	**L86-192**	60	Extrol - Hydronic	—	6.7 Gal.	2.5 Gal.	11"	23"
B	**L86-478**	109	Fill-Trol - Hydronic	—	2.0 Gal.	1.0 Gal.	8"	14-3/4"
B	**L86-479**	110	Fill-Trol - Hydronic	—	4.4 Gal.	2.5 Gal.	11"	17-3/8"
C	**L82-372**	ST-1	Therm-X-Trol - for Tankless	½" NPTM	—	—	3"	4"
D	**L86-193**	ST-5	Therm-X-Trol - Potable	—	2.0 Gal.	1.0 Gal.	8"	12-5/8"
E	**L86-194**	ST-12	Therm-X-Trol - Potable	—	4.4 Gal.	3.2 Gal.	11"	15"

Hot Water Expansion Tanks



- Designed to absorb the force of thermal expansion
- Maximum operating pressure: 100 PSI
- Maximum operating temperature: 240°F

Order #	Mfg. #	Model #	Conn. Size	Tank Size	Max. Volume	Diam.	Height
L87-198	1BN326	HFT-15	1/2" NPTM	2.0 Gal.	1.0 Gal.	8"	12-5/8"
L87-199	1BN327	HFT-30	1/2" NPTM	4.4 Gal.	2.5 Gal.	11"	15-1/2"

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Expansion Tank Valve

Pro-Pal® Series Expansion Tank Pro Service Valve

- Four-in-1 alternative replaces a ball valve, 2 tee fittings and drain valve
- Easily install, isolate, drain and replace any expansion tank
- Quickly connect entire system to the cold water feed



Order #	Mfg. #	Conn. Size	Size	Inlet Conn.	Outlet Conn.	Description	Max. Pressure
R56-216	H-41672	1/2"	1/2"	FIP	MIP	1/2" FIP x MIP x FIP x HOSE ETPSV	600 WOG

Service Check Valves

- Designed to facilitate the servicing of components in systems under pressure
- Install between system and component

Note: This device is not to be used on safety relief valves or flow sensitive components



A

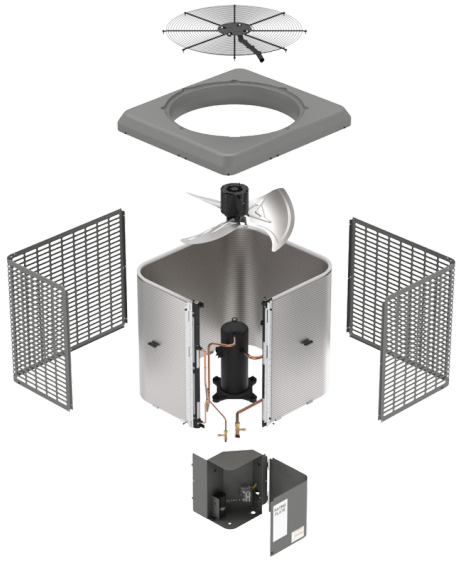


B

Fig.	Order #	Mfg. #	Model #	Conn. Size	Body Type
A	**R54-590**	0950886	SCV	1/8"	Bronze
B	**R59-026**	0950889	SCV	1/2"	—

MODEL to PART

Critical Parts When You Need Them



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Note: Must have a Johnstone Supply account

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Jumperkits for PRV

- Jumperkit for Honeywell Home DS06 DialSet Pressure Regulating Valves

Order #	Mfg. #	Conn. Size	Each
R58-754	DS06-JK-101-LF/B	3/4"	**75.00**
R58-755	DS06-JK-102-LF/B	1"	**105.00**
R58-756	DS06-JK-103-LF/B	1-1/4"	**265.00**
R58-757	DS06-JK-104-LF/B	1-1/2"	**425.00**

resideo

Boiler Trim Kits

- Convenient trim-out kit for boiler installations
- Standard kits include a TK-300-30 expansion tank (1/2" NPT), AP400/AP401 air purger, FV180 air vent (1/8" NPT), FM911 backflow preventer/fill valve (1/2" sweat or 1/2" NPT), SCV-050 (1/2" NPT) and SCV-0125 service check valve (1/8" NPT)
- Supreme kits include a TK-300-30 expansion tank (1/2" NPT), PV100/PV100S/PV125/PV125S SuperVent™, FM911 backflow preventer/fill valve (1/2" sweat or 1/2" NPT) and SVC-050 service check valve (1/2" NPT)



A



B



C



D



E



F



G



H



I

Fig.	Order #	Mfg. #	Conn. Size	Description
with AP Air Purger				
A	**R87-601**	TK300-30A-1FM	1" NPT (Air Purger)	Standard Trim Kit with FM911 Boiler Fill Valve
A	**R87-602**	TK300-30A-2FM	1-1/4" NPT (Air Purger)	Standard Trim Kit with FM911 Boiler Fill Valve
with PV Supervent				
B	**R87-603**	TK30PV100FM	1" NPT (SuperVent)	Standard Trim Kit with FM911 Boiler Fill Valve
C	**R88-043**	TK30PV100NK/U	1" NPT (SuperVent)	Supreme Trim Kit with NK300S Boiler Feed Combo Valve
D	**L82-543**	TK30PV100PNKP/U	1" Press (SuperVent)	Supreme Trim Kit with NK300S Boiler Feed Combo Valve
B	**R87-604**	TK30PV100SFM	1" Sweat (SuperVent)	Standard Trim Kit with FM911 Boiler Fill Valve
C	**R88-042**	TK30PV100SNK/U	1" Sweat (SuperVent)	Supreme Trim Kit with NK300S Boiler Feed Combo Valve
B	**R87-605**	TK30PV125FM	1-1/4" NPT (SuperVent)	Standard Trim Kit with FM911 Boiler Fill Valve
C	**R88-045**	TK30PV125NK/U	1-1/4" NPT (SuperVent)	Supreme Trim Kit with NK300S Boiler Feed Combo Valve
E	**L82-544**	TK30PV125PNKP/U	1 1/4" Press (SuperVent)	Supreme Trim Kit with NK300S Boiler Feed Combo Valve
B	**R87-606**	TK30PV125SFM	1-1/4" Sweat (SuperVent)	Standard Trim Kit with FM911 Boiler Fill Valve
C	**R88-044**	TK30PV125SNK/U	1-1/4" NPT (SuperVent)	Supreme Trim Kit with NK300S Boiler Feed Combo Valve
F	**R88-162**	TK60PV150NK/U	1-1/2" NPT(SuperVent)	Supreme Trim Kit with NK300S Boiler Feed Combo Valve
G	**R88-163**	TK60PV150PNKP/U	1-1/2" Press (SuperVent)	Supreme Trim Kit with NK300S Boiler Feed Combo Valve
H	**R88-161**	TK60PV150SNK/U	1-1/2" Sweat (SuperVent)	Supreme Trim Kit with NK300S Boiler Feed Combo Valve
I	**R88-180**	TK60PV200NK/U	2" NPT (SuperVent)	Supreme Trim Kit with NK300S Boiler Feed Combo Valve

WATTS®



Boiler Trim-Out Packages

- Contains the essential trim-out components of a quality boiler installation in a single box includes:
- FV-4M1 float vent valve
- 1/8" SCV service check valve
- 1/2" SCV service check valve
- 1" or 1-1/4" AS air scoop
- ET-30 expansion tank
- 1/2" 911S combination backflow and fill valve
- For use on commercial and residential closed loop hydronic heating systems only

Order #	Mfg. #	Model #	Conn. Size	Description
R87-547	235070	HPX-C	1" NPT	Boiler Trim Out Package
R87-548	235071	HPX-D	1-1/4" NPT	Boiler Trim Out Package

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TK300 Series Expansion Tanks

- Accommodate the expansion of water in a closed hot water heating or solar system
- The diaphragm separates the air cushion from water and prevents absorption of air cushion by the water, thus avoiding water logging
- Compact design
- Pre-charged tank has a maximum operating temperature up to 240° F and a maximum operating pressure up to 100PSI



Order #	Mfg. #	Conn. Size	Description
R87-931	TK300-15	1/2" NPT	TK300 Series Expansion Tank
R87-932	TK300-30	1/2" NPT	TK300 Series Expansion Tank
R87-933	TK300-60	1/2" NPT	TK300 Series Expansion Tank

Swing Check Valves

- 200 PSI non-shock water, oil and gas
- Meets NSF 61 requirements
- Lead-free



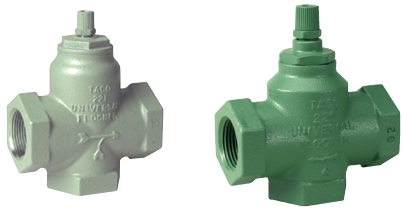
Order #	Mfg. #	Conn. Size	Body Type
R57-472	101-003NL	1/2" FPT	Brass
R57-473	101-004NL	3/4" FPT	Brass
R57-474	101-005NL	1" FPT	Brass
R57-475	101-006NL	1-1/4" FPT	Brass
R57-476	101-503NL	1/2" C x C	Brass
R57-477	101-504NL	3/4" C x C	Brass

Flo-Chek Valves

- Used to prevent gravity circulation
- Allows use of the heating boiler to maintain domestic hot water
- In multiple zone systems, allows circulation only to the zone(s) calling for heat
- Thumb screw allows for manual opening for gravity feed applications

Specifications:

- Maximum operating temperature: 277°F
- Maximum operating pressure: 125 PSI



A B

Fig.	Order #	Mfg. #	Conn. Size	Body Type
A	**L43-730**	220-6	1" NPT	Cast Iron
A	**L43-731**	221-6	1-1/4" NPT	Cast Iron
B	**L46-627**	218-3	3/4" NPT	Cast Iron

Fig.	Order #	Mfg. #	Conn. Size	Body Type
B	**L46-628**	222-6	1-1/2" NPT	Cast Iron
B	**L46-629**	223-5	2" NPT	Cast Iron

Two-Way Flow Check Valves

- Designed to provide positive gravity shutoff when circulator is not running
- Easily opened for gravity circulation
- Iron body or brass body
- Tapping can be utilized for expansion tank



Order #	Mfg. #	Model #	Conn. Size	Body Type
R54-586	856760	2000-M5	3/4" x 3/4" NPT	Iron
R54-587	856761	2000-M5	1" x 1" NPT	Iron
R54-588	856763	2000S-M5	3/4" x 3/4" Sweat	Bronze
R54-589	856764	2000S-M5	1" x 1" Sweat	Bronze

Hydrotrol™ Flow Control Valves

- Prevents rooms (zones) from overheating due to gravity circulation
- Straight-angle configuration allows for quick and easy installation
- Brass body and non-ferous internals with elastomer seals that provide a positive check, eliminating the need for an isolation valve



Order #	Mfg. #	Model #	Conn. Size
L39-675	107035	HT-3/4	3/4" NPTF
L39-676	107037	HT-1	1" NPTF

Order #	Mfg. #	Model #	Conn. Size
L39-677	107038	HT-1-1/4	1-1/2" NPTF

Pressure Relief Valves

Series 335



- Stainless steel spring
- High heat resisting silicone disc
- Bronze seat
- **R55-746** has a male inlet connection
- Product is not approved for potable water usage based on overall lead content

Order #	Model #	Inlet Conn.	Outlet Conn.	Conn. Size	Body Type	Pressure Setting	BtuH
R55-746	M335M2-030 3/4	3/4" Male	3/4" Female	3/4" Male	Bronze	30	510,000
R55-747	335M2-030 3/4	3/4" Female	3/4" Female	3/4" Female	Bronze	30	510,000

Pressure Safety Relief Valves

For Protection of Hot Water Heating Boilers



A



B

- Watts series 374A (**R54-684**) and 174A (**R54-685**, **R54-686**, **R55-839** and **R55-840**) are designed and recommended for hot water heating and supply boilers
- Watts series 740 (**R54-687** and **R54-688**) valves are specially designed for hot water space heating boilers

Features:
- ASME certified
- Pressure pre-set @ 30 PSI
- Maximum temperature: 250°F (121°C)
- Meets military spec. MIL-V-18634B, Type I, Class 3A, Style A (bronze body), Style B (iron body)
- Product is not approved for potable water usage based on overall lead content
- Used in conjunction with temperature relief valves where separate installation of safety devices is required or desired

Fig.	Order #	Mfg. #	Model #	Inlet Conn.	Outlet Conn.	Conn. Size	Body Type	Pressure Setting	BtuH
A	**R54-684**	F358553	374A-BRZ-030 CAN	3/4"	3/4"	3/4"	Iron — Bronze Inlet	30	550,000
A	**R54-685**	F274428	174A-030 3/4	3/4"	3/4"	3/4"	Bronze	30*	650,000
A	**R55-839**	F274683	174A-100 3/4	3/4"	3/4"	3/4"	Bronze	100	1,695,000
A	**R55-840**	F274836	174A-150 3/4	3/4"	3/4"	3/4"	Bronze	150	2,445,000
A	**R54-686**	F274934	174A-030 1	1"	1"	1"	Bronze	30*	1,005,000
B	**R54-687**	F382008	740-030 3/4	3/4"	1"	3/4"	Iron — Bronze Outlet	30*	925,000
B	**R54-688**	F382570	740-030 1	1"	1-1/4"	1"	Iron — Bronze Outlet	30*	1,300,000

Relief Valves



- Installed in systems to discharge water should excessive pressure develop
- Can only be used for non-potable applications per the Safe Drinking Water Act
- Dual units have a relief valve, diaphragm operated, with low differential between opening and closing pressures and a reducing valve with a built-in low inlet pressure check valve
- **L37-316** ASME rated, 790,000 BtuH
- **L37-317** ASME rated, 1,170,000 BtuH

Order #	Mfg. #	Conn. Size	Body Type	PSI Setting Relief	Wt. Lbs.
L37-316	110121	3/4"	Bronze	30	1.25
L37-317	110129	1"	Bronze	30	1.50

Pressure Safety Relief Valve

Steam Safety Relief Valve



Order #	Model #	Inlet Conn.	Outlet Conn.	Conn. Size	Body Type	Pressure Setting
R56-813	315M2-015	3/4"	3/4"	3/4"	Bronze	15

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Pressure Reducing Valves

- Protects heating and plumbing systems against excessive line pressures
- Each valve is equipped with a low inlet pressure check valve and a removable strainer
- High pressure valve reduces incoming 125 PSI to 45 PSI
- Tested and certified to NSF 372 low lead requirement
- "F" models have manual "fast fill" feature

Specifications:
- Maximum operating temperature: 225°F
- Maximum working pressure: 125 PSIG
- Maximum flow: 5-1/2 to 6 GPM at 125 PSIG inlet pressure

Fig.	Order #	Mfg. #	Conn. Size	Pressure Range PSIG
A	**L47-346**	B-38	1/2"	10 to 25
A	**L47-347**	B7-12	3/4"	10 to 25
A	**L47-348**	7	3/4"	25 to 60

Fig.	Order #	Mfg. #	Conn. Size	Pressure Range PSIG
B	**L47-349**	FB-38	1/2"	10 to 25
B	**L47-350**	FB-38TU	1/2"	10 to 25


A


B

Pressure Reducing Valves

- Automatically feeds water whenever pressure drops below PSI setting
- Fast-fill lever lock
- Not for potable water applications

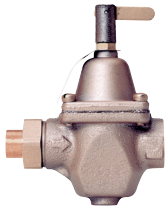
Specifications:
- Maximum fluid temperature: 212°F
- Maximum inlet pressure: 100 PSI
- Factory settings: 12 PSI



Order #	Mfg. #	Conn. Size	Pressure Range PSIG	Body Type
L41-607	329-3	1/2" Sweat (Inlet), 1/2" NPT (Outlet)	10 to 25	Cast Iron
L41-608	335-3	3/4" NPT (Inlet), 3/4" NPT (Outlet)	10 to 50	Bronze

Feed Water Pressure Regulators

- Adjustable range 10–25 lbs.; pre-set to 15 PSI
- Maximum temperature: 212°F
- Maximum pressure: 100 PSI
- All 1/2" models furnished with purge lever
- Product is not approved for potable water usage based on overall lead content
- **R55-794** has bronze valve body with union solder inlet connection



Order #	Mfg. #	Model #	Inlet Conn.	Outlet Conn.	Conn. Size	Outlet Pressure Range PSI	Outlet Pressure Preset PSI
R54-572	0386423	1156F-STD 1/2	1/2" NPT	1/2 IN	1/2"	10-25	15
R55-794	386422	SB1156F	1/2" Union Solder	1/2 IN	1/2"	10-25	15

Water Pressure Regulator

- Bronze high capacity feed water pressure regulators are for use in commercial and residential hydronic heating systems to fill the boiler and piping system with water, and to maintain water pressure in the system at all times
- Product is not approved for potable water usage based on overall lead content
- Consists of a bronze body construction with NPT threaded inlet and outlet connections, a tight seating check valve, purge lever for manual purging, and a stainless steel strainer



Order #	Mfg. #	Model #	Inlet Conn.	Outlet Conn.	Conn. Size	Outlet Pressure Range PSI	Outlet Pressure Preset PSI
R56-896	0386421	TB1156F	1/2" NPT	1/2" NPT	1/2"	10-25	15

Cartridge Style Pressure Reducing Valves

- Automatically feeds water whenever pressure drops below PSI setting
- Easy-to-see dial on cartridge adjusts PSI setting
- Built-in check valve on outlet
- One-piece cartridge can be replaced or serviced without draining the system
- Fast-fill button delivers increased flow to speed system fill times
- 1/2" bottom tapping for pressure relief valve or expansion tank

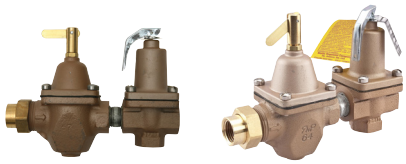
Specifications:
- Maximum fluid temperature: 180°F
- Maximum inlet pressure: 230 PSI
- Factory settings: 12 PSI



Order #	Mfg. #	Conn. Size	Pressure Range PSIG
L41-604	3350-3	1/2" Union	10 to 50
L41-605	3350-T3	1/2" NPT	10 to 50

Feed Water Pressure Regulator Dual Controls

For Boilers


A B

- Used on boiler feed lines to provide make-up water to the system
- Combines water pressure regulator and an iron body diaphragm relief valve set at 30 PSI
- Product is not approved for potable water usage based on overall lead content

Specifications:
- Maximum pressure: 100 PSI
- Maximum temperature: 212°F (100°C)
- Regulator set at: 15 PSI
- Adjustment range: 10–25 PSI

Fig.	Order #	Mfg. #	Model #	Inlet Conn.	Conn. Size	Outlet Pressure Range PSI	Outlet Pressure Preset PSI
A	**R54-740**	388805	T1450F	Female Threaded	1/2" Threaded	10-25	30
A	**R54-741**	388800	S1450F	Union Joint	1/2" Sweat	10-25	30
B	**R57-230**	0388798	1450F	1/2" Threaded	1/2" Threaded	10-25	30

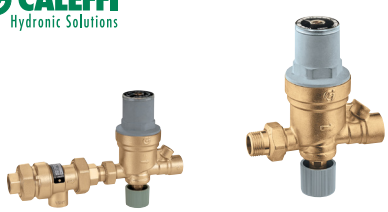
Pressure Relief Combination Valves



- Installed in systems to discharge water should excessive pressure drop
- Product is not approved for potable water usage based on overall lead content
- Relief valve diaphragm operated, with low differential between opening and closing pressures and a reducing valve with a built-in low inlet pressure check valve

Order #	Mfg. #	Conn. Size	Body Type	PSI Setting Reducing	PSI Setting Relief
L47-538	110197LF	1/2"	Bronze	12	30
L47-539	110199LF	1/2"	Iron	12	30

Automatic Filling Valves


A B

- Constructed of high quality brass, Teflon, stainless steel and EPDM
- **L44-659** and **L44-660** AutoFill Combo pre-adjustable automatic filling unit with backflow preventer
- **L44-661** and **L44-662** complete with manual shutoff valve, strainer and check valve
- **L44-661** and **L44-662** are designed to protect drinking water systems from the return caused by back-siphonage of contaminated fluids

Fig.	Order #	Mfg. #	Description	Max. Pressure	Temp. °F
A	**L44-659**	573002A	1/2" NPT Inlet 1/2" NPT Outlet	175 PSI	150
A	**L44-660**	573009A	1/2" Sweat Inlet 1/2" NPT Outlet	175 PSI	150
B	**L44-661**	553542A	1/2" NPT Inlet x 1/2" NPT Outlet	230 PSI	150
B	**L44-662**	553549A	1/2" Sweat Inlet x 1/2" NPT Outlet	230 PSI	150

Combination Backflow Preventer and Hot Water Fill Valve



- 9D backflow preventer and 1156F fill valve in one pre-assembled unit
- Protects against both back-siphonage and back-pressure
- Product is not approved for potable water usage based on overall lead content
- Maximum temperature: 212°F
- Maximum pressure: 100 PSI

Order #	Mfg. #	Model #	Inlet Conn.	Outlet Conn.	Conn. Size
R54-576	0386463	911	1/2" NPT	1/2" NPT	1/2"

Combination Backflow Preventer and Fill Valve



- New V**F06-100**-SUSUT (**R57-486**) dial set pressure regulating valve and BP900 backflow preventer in one pre-assembled unit
- Built-in check valve
- Automatic fill
- Adapter included for NPT or sweat connections

Specifications:
- Regulating pressure range: 8 PSI to 50 PSI; preset at 12 PSI
- Maximum operating pressure: 150 PSI

Order #	Mfg. #	Inlet Conn.	Outlet Conn.
R55-623	FM911	1/2" NPT or Sweat	1/2" NPT or Sweat

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Lead-Free Water Pressure Reducing Valves

WATTS

- Adjustable from 25 to 75 lbs.; standard setting at 50 lbs.
- A.S.S.E. 1003 and I.A.P.M.O. rated
- Bypass feature
- Series 25AUB-Z3 for supply pressures up to 300 lbs. and 160°F
- Series N55BU for supply pressures up to 400 lbs. and 180°F
- Series 25AUB-Z3 includes integral stainless steel strainer, with a high temperature resisting reinforced diaphragm for hot
- Series N55BU has union inlet, NPT threaded outlet
- Series N55BU can be used for waterworks installations
- The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight



A B

Fig.	Order #	Mfg. #	Model #	Conn. Size	Pressure Range PSIG	Body Type
A	**R56-219**	9217	LF25AUB-Z3 1/2	1/2"	25-75 psi	Lead Free Copper Silicon Alloy
A	**R56-220**	9257	LF25AUB-Z3 3/4	3/4"	25-75 psi	Lead Free Copper Silicon Alloy
A	**R56-221**	9309	LF25AUB-Z3 1	1"	25-75 psi	Lead Free Copper Silicon Alloy
B	**R58-317**	0009539	LFN55BM1-U 1/2 IN	1/2"	25-75 psi	Brass Body Construction
B	**R58-318**	0009589	LFN55BM1 U 3/4	3/4"	25-75 psi	Brass Body Construction
B	**R58-319**	0009639	LFN55BM1-U 1 IN	1"	25-75 psi	Brass Body Construction

Dialset Boiler Fill Valve

resideo

- Easy dial-set technology allows simple output pressure setting in psi.
- With an integrated ¼" NPT pressure gauge port for testing, the boiler fill valve also has ½" internal NPT threads and external union threads on both input and output sides



Order #	Mfg. #
R57-486	VF06-100-SUSUT

DialSet Double Union Press Lead-Free Pressure Reducing Valves

◀ NEW

resideo

- Features a downstream pressure adjustment dial that removes the need for a pressure gauge when adjusting settings (static pressure only)
- Suitable for potable water and irrigation applications
- Noncorroding Unitized Cartridge - contains all working parts and is replaceable
- Outlet adjustment range of 25 PSI to 90 PSI
- Suitable for household, commercial, industrial and turf-and-irrigation applications
- Internal and external threading allows for use in thread-by-thread, single-union or double-union configurations
- Built in strainer to simplify maintenance
- Approvals - ASSE 1003, IAPMO, CSA, Low Lead Compliant



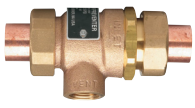
Order #	Mfg. #	Model #	Conn. Size	Pressure Range PSIG	Body Type
L51-853 ◀	DS06-100-SUP-LF/U	DS06	1/2"	25 to 90 PSI	Lead-Free Bronze
L51-854 ◀	DS06-100-DUP-LF/U	DS06	1/2"	25 to 90 PSI	Lead-Free Bronze
L51-855 ◀	DS06-101-SUP-LF/U	DS06	3/4"	25 to 90 PSI	Lead-Free Bronze
L51-856 ◀	DS06-101-DUP-LF/U	DS06	3/4"	25 to 90 PSI	Lead-Free Bronze
L51-857 ◀	DS06-102-SUP-LF/U	DS06	1"	25 to 90 PSI	Lead-Free Bronze
L51-858 ◀	DS06-102-DUP-LF/U	DS06	1"	25 to 90 PSI	Lead-Free Bronze
L51-859 ◀	DS06-103-SUP-LF/U	DS06	1-1/4"	25 to 90 PSI	Lead-Free Bronze
L51-860 ◀	DS06-103-DUP-LF/U	DS06	1-1/4"	25 to 90 PSI	Lead-Free Bronze
L51-861 ◀	DS06-104-SUP-LF/U	DS06	1-1/2"	25 to 90 PSI	Lead-Free Bronze
L51-862 ◀	DS06-104-DUP-LF/U	DS06	1-1/2"	25 to 90 PSI	Lead-Free Bronze
L51-863 ◀	DS06-105-SUP-LF/U	DS06	2"	25 to 90 PSI	Lead-Free Bronze
L51-864 ◀	DS06-105-DUP-LF/U	DS06	2"	25 to 90 PSI	Lead-Free Bronze

Backflow Preventers With Intermediate Atmospheric Vent

WATTS

Series 9D

- ASSE 1012 listed
- For low hazard applications and low flow supply lines
- Product is not approved for potable water usage based on overall lead content
- Recommended for residential boiler feed lines when supply pressure falls below heating system pressure
- Suitable for working pressures up to 175 lbs. (minimum 25 PSI required)
- Install either horizontally or vertically



Order #	Mfg. #	Model #	Conn. Size
R54-574	061935	9DM3	1/2" x 1/2" Threaded
R54-575	061888	9DM2	3/4" x 3/4" Threaded

Backflow Preventers



A



B



C

- Prevent the reverse flow of polluted water from entering potable water supply
- Product is not approved for potable water usage based on overall lead content
- Brass body with stainless steel internal parts
- Max Temp: 250°F
- Max PSI: 175 Watts

Fig.	Order #	Mfg. #	Model #	Conn. Size
A	**R55-748**	0063190	BBFP	1/2"
A	**R56-812**	0063191	BBFP-S	1/2"
B	**R56-894**	0063192	BBFP	3/4"
C	**R56-895**	0063193	BBFP-S	3/4"

Lead Free Dual Check Backflow Preventers

Series 7



A



B

- For water supply service or individual outlets
- Non-health hazard continuous pressure applications
- Residential system containment
- Can be installed horizontally or vertically
- Bronze body construction
- The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight

Fig.	Order #	Mfg. #	Model #	Conn. Size
A	**R56-848**	0072203	LF7RU2-2	1/2" Union x 1/2" NPTF
—	**R56-849**	0072204	LF7RU2-2	3/4" Union x 3/4" NPTF
B	**R56-850**	0072205	LF7RU2-2	1" Union x 1" NPTF

Reduced Pressure Zone Assemblies

Series 009



- Product is not approved for potable water usage based on overall lead content
- For containment at the service line entrance
- Single access cover and modular check construction
- Captured springs for safe maintenance
- Internal relief valve
- Bronze body construction
- Ball valve test cocks
- Replaceable seats
- No special tools required for servicing

Order #	Mfg. #	Model #	Conn. Size	Pressure Range PSIG	Body Type
R55-723	62094	009-QT 1/2	1/2"	175 psi	Cast Bronze
R55-724	88004058	009M3-QT 3/4	3/4"	175 psi	Cast Bronze
R55-725	63020	009M2-QT 1	1"	175 psi	Cast Bronze

Order #	Mfg. #	Model #	Conn. Size	Pressure Range PSIG	Body Type
R87-676	62920	009M2-QT 1 1/4	1-1/4"	175 psi	Cast Bronze
R87-677	62921	009M2-QT 1 1/2	1-1/2"	175 psi	Cast Bronze
R87-678	63010	009M2-QT 2	2"	175 psi	Cast Bronze

Lead-Free Reduced Pressure Zone Assemblies

Series 009



- For water supply service
- Prevention of health hazard cross connections in piping systems
- For containment at the service line entrance
- Single access cover and modular check construction
- Captured springs for safe maintenance
- Internal relief valve
- Bronze body construction
- Ball valve test cocks
- Replaceable seats
- No special tools required for servicing
- The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight

Order #	Mfg. #	Model #	Conn. Size	Pressure Range PSIG	Body Type
R56-266	391002	LF009-QT 1/2	1/2"	175 psi	Cast Bronze
R87-834	391003	LF009M3-QT 3/4	3/4"	175 psi	Cast Bronze
R87-835	391004	LF009M2-QT 1	1"	175 psi	Cast Bronze

Order #	Mfg. #	Model #	Conn. Size	Pressure Range PSIG	Body Type
R87-836	391005	LF009M2-QT 1 1/4	1-1/4"	175 psi	Cast Bronze
R87-837	391006	LF009M2-QT 1 1/2	1-1/2"	175 psi	Cast Bronze
R87-838	391007	LF009M2-QT 2	2"	175 psi	Cast Bronze

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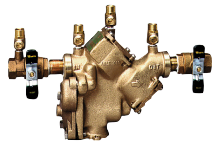
Lead-Free Reduced Pressure Zone Assemblies

WATTS

Series 909

- For water supply service
- Prevention of health hazard cross connections in piping systems
- For containment at the service line entrance
- Modular design
- Horizontal or vertical installation
- Bronze body construction
- Replaceable seats
- No special tools required for servicing
- The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight



Order #	Mfg. #	Model #	Conn. Size	Pressure Range PSIG	Body Type
R87-839	391008	LF909-QT 3/4	3/4"	175 psi	Cast Iron
R87-840	391009	LF909-QT 1	1"	175 psi	Castt Iron
R87-841	391010	LF909M1-QT 1 1/4	1-1/4"	175 psi	Copper Silicon Alloy
R87-842	391011	LF909M1-QT 1 1/2	1-1/2"	175 psi	Copper Silicon Alloy
R87-843	391012	LF909M1-QT 2	2"	175 psi	Copper Silicon Alloy

Air Vents

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- Purges air from hot or cold closed water systems
- Includes built-in shutoff valve for servicing without system shutdown (except **L38-332**)
- Contains removable float/valve assembly for easy servicing
- Includes safety drain connection and vent cap (except **L38-332**)
- Internal parts made of corrosive-resistant and chemical-resistant materials for use with water systems containing glycol, mineral oils, or petroleum-based oils (except **L38-332**, which is not for use in systems contaminated with oil or petroleum based additives)
- **L38-332** and **L37-831** are not suitable for steam systems



A



B

Fig.	Order #	Mfg. #	Conn. Size	Max. Operating Temp.
A	**L37-831**	EA122A1002	1/8" MPT	230°F
A	**L37-830**	EA79A1004	3/4" MPT, 1/2" FPT	230°F
B	**L38-332**	FV180	1/8" MPT	230°F

Air Vents

Taco Comfort Solutions® A Taco Family Company

- Automatically purges unwanted air from hydronic systems
- **L41-611** designed for commercial applications, outlet connection fits 3/4" ID tubing



A



B

Fig.	Order #	Mfg. #	Conn. Size	Max. Pressure
A	**L41-609**	400-4	1/8" NPT	50 PSI
A	**L41-610**	418-4	1/2" x 3/4" NPT	50 PSI
B	**L41-611**	409-3	3/4" NPT	150 PSI

Air Vents

- Vents the accumulation of troublesome air
- **L39-686** "coin operated" air vent specially designed for new types of radiators
- 150 PSI maximum pressure



A



B



C



D

Fig.	Order #	Mfg. #	Model #	Type	Conn. Size	Height	Width
A	**L39-688**	113021	87	Automatic	3/4" NPTM, 1/2" NPTF	4-3/4"	2-1/4"
B	**L39-687**	113222	97	Automatic	1/8" NPTM	3-1/8"	1-7/8"
C	**L39-689**	113076	107A	High Capacity	3/4" NPTF	9-5/8"	4-1/2"
D	**L39-686**	113056	4V	Manual	1/8" NPTM	5/8"	5/8"

CALEFFI Hydronic Solutions

Air Vents

- **L44-652** and **L44-650** float type automatic air vent designed to vent air that is released from the water while being treated
- Check valve on **L44-650** allows an easy replacement of air vent without purging the system
- **L44-651** radiator air vent valve designed to remove automatically any air trapped inside the heat emitters both during the filling of the system and in normal operation


A


B


C

Fig.	Order #	Mfg. #	Description	Max. Pressure	Max. Operating Temp.
A	**L44-650**	502710A	1/8" NPT	150 PSI	240
B	**L44-651**	508013A	1/8" NPT	150 PSI	212
C	**L44-652**	502610A	1/8" NPT	150 PSI	240

Hoffman SPECIALTY

Air Vents

- Built-in check valve
- **L41-552** is tapped at top for 1/8" NPT safety drain connection
- **L37-379** is compatible with low pressure steam


A


B

Fig.	Order #	Mfg. #	Model #	Conn. Size	Max. Pressure
A	**L41-552**	401488	79	1/2" NPT female and 3/4"NPT male	75 PSI
B	**L37-379**	401475	508	1/8" NPT	50 PSI (Water) / 15 PSI (Steam)

MAIDOMIST

Air Vents

- Vents accumulated, trapped troublesome air
- **L37-313** "coin-operated" air vent operates as automatic or manual and is designed for new types of radiators


A


B


C


D


E

Fig.	Order #	Mfg. #	Type	Conn. Size	Height	Width	Max. Pressure
A	**L37-203**	67	Auto	1/8" MPT	3-3/16"	1-1/2"	50 PSI
B	**L37-205**	7	Auto	1/8" FPT	4-1/16"	2-3/16"	75 PSI
C	**L37-313**	72	Auto/Manual	1/8" MPT	1-1/4"	1/2"	75 PSI
D	**L37-314**	71	Auto	1/4" MPT	4-3/8"	2-1/4"	150 PSI
E	**L37-315**	75	Auto	1/2" FPT, 3/4" MPT	4-3/4"	2-1/4"	150 PSI

CALEFFI Hydronic Solutions



Hydronic Separators

- Epoxy resin coated steel body
- Prevents low mass or compact high efficiency boilers from flashing due to pump conflict
- Pre-formed insulation
- Complete with automatic air vent valve with automatic check valve, drain valve

Order #	Mfg. #	Description	Max. Pressure	Max. Operating Temp.
L80-353	548096A	1" Sweat Unions	150 PSI	210
L80-354	548006A	1" NPT Unions	150 PSI	210
L80-355	548097A	1 1/4" Sweat Unions	150 PSI	210

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Spirovent® Air Eliminators

SPIROTHERM

- Highly efficient air separation and elimination devices capable of removing up to 99.6% of air in water
- Reduces risk of hydronic system damage by preventing air logging and circulator pump cavitation
- Maintenance-free spirotube design results in extremely low head pressure drop and dirt collection
- 1/2" bottom tap for connection of bladder-type compression tank if needed
- Solid brass construction and 20-year warranty
- Operating pressure: 150 PSI; operating temperature: 270°F



A



B



C

Fig.	Order #	Mfg. #	Model #	Description	Conn. Size	Length	Height	Max. Pressure	Max. Operating Temp.	Pipe Size	Max. Flow
A	**L38-343**	VJR075TM	VJR075TM	High-efficiency Air-only Eliminator	3/4" FT	3.4"	6"	150 psi	270°F	0.75"	6 GPM
A	**L38-344**	VJR100TM	VJR100TM	High-efficiency Air-only Eliminator	1" FT	3.5"	7"	150 psi	270°F	1"	10 GPM
A	**L38-345**	VJR125TM	VJR125TM	High-efficiency Air-only Eliminator	1-1/4" FT	3.5"	7.8"	150 psi	270°F	1.25"	15 GPM
A	**L38-346**	VJR150TM	VJR150TM	High-efficiency Air-only Eliminator	1-1/2" FT	3.5"	9.1"	150 psi	270°F	1.5"	30 GPM
B	**L46-632**	VJR200TM	VJR200TM	High-efficiency Air-only Eliminator	2" FT	5.2"	10.8"	150 psi	270°F	2"	40 GPM
C	**L46-633**	VJS075TM	VJS075TM	High-efficiency Air-only Eliminator	3/4" SWT	4.1"	6"	150 psi	270°F	0.75"	6 GPM
C	**L46-634**	VJS100TM	VJS100TM	High-efficiency Air-only Eliminator	1" SWT	4.5"	7"	150 psi	270°F	1"	10 GPM
C	**L46-635**	VJS125TM	VJS125TM	High-efficiency Air-only Eliminator	1-1/4" SWT	4.5"	7.8"	150 psi	270°F	1.25"	15 GPM
C	**L46-636**	VJS150TM	VJS150TM	High-efficiency Air-only Eliminator	1-1/2" SWT	4.7"	8.7"	150 psi	270°F	1.5"	30 GPM
B	**L46-637**	VJS200TM	VJS200TM	High-efficiency Air-only Eliminator	2" SWT	6.9"	10.3"	150 psi	270°F	2"	40 GPM

Supervent™ Air Eliminators

◀ NEW

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- Automatically eliminates air from hydronic heating and cooling systems without bleeding
- 360 degree adjustable collar ring for installation flexibility
- No clog vent assembly
- Stainless steel concentrator eliminates noise
- Bronze body construction
- 1/2" NPT bottom connection for expansion tank mounting
- Maximum pressure: 125 PSI
- Maximum temperature: 240°F

Order #	Mfg. #	Description	Conn. Size	Max. Flow
NPT				
R55-615	PV075	3/4" NPT	3/4" NPT	10 GPM
R55-617	PV100	1" NPT	1" NPT	16 GPM
R55-619	PV125	1-1/4" NPT	1-1/4" NPT	28 GPM
R55-621	PV150	1-1/2" NPT	1-1/2" NPT	38 GPM
R55-622	PV200	2" NPT	2" NPT	62 GPM
Sweat				
R55-616	PV075S	3/4" Sweat	3/4" Sweat	10 GPM
R55-618	PV100S	1" Sweat	1" Sweat	16 GPM
R55-620	PV125S	1-1/4" Sweat	1-1/4" Sweat	28 GPM
R57-484	PV150S	1-1/2" Sweat	1-1/2" Sweat	38 GPM
Replacement Part				
R59-754 ◀	PV-020RP/U	Universal vent top replacement for PV Series SuperVent® Air Eliminators	Universal	—



Supervent ProPress Air Separators

◀ NEW

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- Automatically eliminates air and micro-bubbles from hydronic heating and cooling systems without bleeding
- Guarantees fast start-up with automatic venting, helps prevent corrosion of system components and improves system efficiency



Order #	Mfg. #	Model #	Description	Type	Conn. Size	Length	Height	Width	Max. Pressure	Max. Operating Temp.	Pipe Size	Each
L51-871 ◀	PV075P/U	PV	3/4" Press Connection	90 Degree Vent Top	3/4"	5.5"	7.4"	1.9"	125 PSI	239°F	3/4"	—
L51-017	PV100P/U	PV	1" Press Connection	Supervent Propress 1"	1"	7.6"	2.5"	8.46"	125 psi	240°F	1"	**339.00**
L51-018	PV125P/U	PV	1-1/4" Press Connection	Supervent Propress 1-1/4"	1-1/4"	8.7"	2.8"	8.81"	125 psi	240°F	1-1/4"	**505.00**
L51-872 ◀	PV150P/U	PV	1-1/2" Press Connection	90 Degree Vent Top	1-1/2"	8.3"	9.6"	3.1"	125 PSI	239°F	1-1/2"	—

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Magnetic Hydraulic Separators



- Keeps the boiler and heat emitters clean by gathering the dirt and magnetite in the separator
- Improves heat transfer with air removal
- Insulation included with every model

Order #	Mfg. #	Type	Conn. Size	Length	Height	Width	Max. Pressure	Max. Operating Temp.	Conn. Size Top	Conn. Size Bottom	Pipe Size	Vent Size	Max. Flow	Each
L82-539	HYDROSEP-102-U/U	Magnetic Hydraulic Separator Union 1"	1" Union	17.72	5.71	10.04	145 psi	230°F	1/2"	1/2"	—	1/2"	11 GPM	**755.00**
L82-540	HYDROSEP-103-U/U	Magnetic Hydraulic Separator Union 1-1/4"	1-1/4" Union	19.92	6.06	11.02	145 psi	230°F	1/2"	1/2"	—	1/2"	17.6 GPM	**855.00**
L82-541	HYDROSEP-104-U/U	Magnetic Hydraulic Separator Union 1-1/2"	1-1/2" Union	21.85	7.09	9.84	145 psi	230°F	1/2"	1/2"	—	1/2"	26.4 GPM	**1145.00**
L82-542	HYDROSEP-105-U/U	Magnetic Hydraulic Separator Union 2"	2" Union	24.53	7.87	10.43	145 psi	230°F	1/2"	1/2"	—	1/2"	39.62 GPM	**1399.00**
L60-193	HYDROSEP-105-F/U	Hydraulic Separator Flanged 2"	2" Flange	31.5	13	15.4	145 psi	266°F	1/2"	1/2"	2" 150 ANSI	1/2"	46.23 GPM	**3945.00**
L60-188	HYDROSEP-106-F/U	Hydraulic Separator Flanged 2-1/2"	2-1/2" Flange	31.5	13	15.4	145 psi	266°F	1/2"	1/2"	2-1/2" 150 ANSI	1/2"	77 GPM	**4199.00**
L60-189	HYDROSEP-107-F/U	Hydraulic Separator Flanged 3"	3" Flange	42.1	17.7	20.9	145 psi	266°F	1/2"	1/2"	3" 150 ANSI	1/2"	110 GPM	**4599.00**
L60-190	HYDROSEP-108-F/U	Hydraulic Separator Flanged 4"	4" Flange	42.1	17.7	20.9	145 psi	266°F	1/2"	1/2"	4" 150 ANSI	1/2"	184.92 GPM	**5845.00**
L60-191	HYDROSEP-109-F/U	Hydraulic Separator Flanged 5"	5" Flange	62.2	21.3	24.4	145 psi	266°F	1/2"	1/2"	5" 150 ANSI	1/2"	286.18 GPM	**9745.00**
L60-192	HYDROSEP-110-F/U	Hydraulic Separator Flanged 6"	6" Flange	62.2	21.3	24.4	145 psi	266°F	1/2"	1/2"	6" 150 ANSI	1/2"	418.27 GPM	**11500.00**

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Magnetic Hydraulic Separator Adapters



- Magnetic Hydraulic Separator connections
- Available in sweat, press and threaded

Order #	Mfg. #	Type	Conn. Size	Length	Height	Width	Max. Pressure	Max. Operating Temp.	Pipe Size	Each
L51-001	HS-SWEAT-102/U	Sweat Kit 1"	1" CTS	4.53"	2.17"	2.76"	145 psi	230°F	1"	**29.99**
L51-002	HS-SWEAT-103/U	Sweat Kit 1-1/4"	1-1/4" CTS	4.53"	2.17"	2.76"	145 psi	230°F	1-1/4"	**48.99**
L51-003	HS-SWEAT-104/U	Sweat Kit 1-1/2"	1-1/2" CTS	4.53"	2.17"	2.76"	145 psi	230°F	1-1/2"	**75.00**
L51-004	HS-SWEAT-105/U	Sweat Kit 2"	2" CTS	9.06"	4.25"	6.06"	145 psi	230°F	2"	**235.00**
L51-005	HS-NPT-102/U	Npt Kit 1"	1" MIP	4.53"	2.17"	2.76"	145 psi	230°F	1"	**34.49**
L51-006	HS-NPT-103/U	Npt Kit 1-1/4"	1-1/4" MIP	4.53"	2.17"	2.76"	145 psi	230°F	1-1/4"	**65.00**
L51-007	HS-NPT-104/U	Npt Kit 1-1/2"	1-1/2" MIP	4.53"	2.17"	2.76"	145 psi	230°F	1-1/2"	**85.00**
L51-008	HS-NPT-105/U	Npt Kit 2"	2" MIP	9.06"	4.25"	6.06"	145 psi	230°F	2"	**255.00**
L51-009	HS-PRESS-102/U	Press Kit 1"	1" PRESS	4.53"	2.17"	2.76"	145 psi	230°F	1"	**79.00**
L51-010	HS-PRESS-103/U	Press Kit 1-1/4"	1-1/4" PRESS	4.53"	2.17"	2.76"	145 psi	230°F	1-1/4"	**115.00**
L51-011	HS-PRESS-104/U	Press Kit 1-1/2"	1-1/2" PRESS	5.75"	2.64"	3.46"	145 psi	230°F	1-1/2"	**195.00**
L51-012	HS-PRESS-105/U	Press Kit 2"	2" PRESS	9.06"	4.25"	6.06"	145 psi	230°F	2"	**289.00**

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Magnetic Hydraulic Separator Air Vents



- Air vent replacement 1/2" for HYDROSEP-1 union model or flanged model

Order #	Mfg. #	Type	Conn. Size	Length	Height	Width	Max. Pressure	Max. Operating Temp.	Pipe Size	Each
L51-013	HS-VENTUNION/U	Air Vent Union	1/2"	1.97"	3.54"	1.97"	145 psi	230°F	1/2"	**47.99**
L51-014	HS-VENTFLANGED/U	Air Vent Flanged	1/2"	2.56"	3.94"	2.56"	145 psi	230°F	1/2"	**135.00**

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In-Line Air Separators

- Efficiently separates air from circulating water
- One-piece cast iron construction with no moving parts eliminating need for service
- Maximum working pressure: 175 PSI
- Maximum operating temperature: 300°F



Order #	Mfg. #	Model #	Conn. Size	Max. Flow
L39-678	112118	IAS-1	1" NPT	15 GPM
L39-679	112119	IAS-1-1/4	1-1/4" NPT	25 GPM
L39-680	112097	IAS-1-1/2	1-1/2" NPT	35 GPM

Air Purgers

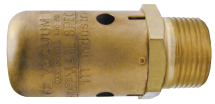
- Installed horizontally on main as close to boiler as possible
- Models have tappings for installation of air vents
- Cast Iron
- Separates air from water in closed loop hydronic heating systems
- System connection sets the point of no pressure change



Order #	Mfg. #	Description	Type	Conn. Size	Length	Height	Width	Conn. Size Top	Conn. Size Bottom
L37-823	443	Cast Iron	In-Line	1"	6"	4"	2-1/2"	1/8"	1/2"
L37-824	444	Cast Iron	In-Line	1-1/4"	6"	4"	2-1/2"	1/8"	1/2"
L47-611	445-1	Cast Iron	In-Line	1-1/2"	8"	5"	3-1/2"	1/8"	1/2"

Vacuum Breaker

- Used to control induced vacuum in steam systems
- Adjustable from 1/4" to 20" Hg vacuum



Order #	Mfg. #	Model #	Conn. Size	Max. Pressure	Max. Temp.
L41-575	401446	62	3/4" NPT (Straight)	150 PSI	366°F

Steam Vents

- Used to vent air from radiators and convectors
- **L41-571** has six port settings for true proportional venting; others have a single non-adjustable port
- Max. pressure: 10 PSI



Fig.	Order #	Mfg. #	Model #	Description	Conn. Size
A	**L41-571**	401422	#1A	Radiator Steam Vent	1/8" NPT (Angle)
B	**L41-572**	401440	#40	Radiator Steam Vent	1/8" NPT (Angle)
C	**L41-573**	401455	#41	Convector Steam Vent	1/8" NPT (Straight)
C	**L41-574**	401458	#43	Convector Steam Vent	1/4" NPT (Straight)

Jacobus® Steam Air Vents

- Vents accumulated, trapped troublesome air
- #1 vent is designed to vent the air from the main lines as well as on longer runs
- #5 has venting capacity equal to 4 ordinary air vents; used on radiators near boiler and in warm rooms
- Nickel plated brass body



Fig.	Order #	Mfg. #	Type	Height	Width	Pipe Size	Vent Size
A	**L41-837**	1	Straight Main Vent	1"	3-1/2"	1/2" x 3/4"	0.1850"
B	**L41-838**	5	Angle	1"	2-1/4"	1/8"	0.7000"

Thermostatic Steam Traps

- Used to vent air and gas in response to pressure
- Resistant to water hammer and chemicals
- Brass body, stainless steel components



Order #	Mfg. #	Model #	Conn. Size	Max. Pressure
L41-566	401536	17C-2 Angle	1/2"	25 PSI
L41-567	401545	17C-2 Swivel	1/2"	25 PSI
L41-568	401551	17C-2 Vertical	1/2"	25 PSI

Order #	Mfg. #	Model #	Conn. Size	Max. Pressure
L41-569	402002	8C-A-2-125	1/2"	125 PSI
L41-570	402003	8C-A-3-125	3/4"	125 PSI

Float and Thermostatic Steam Traps



- Universal 4-port tappings (2 inlet and 2 outlet) for easy piping and system monitoring
- Resistant to water hammer and corrosion
- Below condensate level seat design prevents steam leakage
- Rugged thermostatic element eliminates air binding
- Cast iron body, stainless steel components

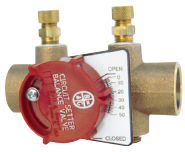
Order #	Mfg. #	Model #	Conn. Size	Max. Pressure	Max. Temp.
L41-562	404200	FT015H-3	3/4"	250 PSI	406°F
L41-563	404210	FT015H-4	1"	250 PSI	406°F

Order #	Mfg. #	Model #	Conn. Size	Max. Pressure	Max. Temp.
L41-564	404220	FT015H-5	1-1/4"	250 PSI	406°F
L41-565	401626	FT015H-6	1-1/2"	175 PSI	377°F

Circuit Setter Calibrated Balance Valves



A



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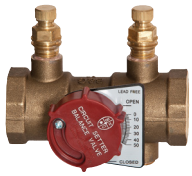

C

- Proportional balance assures accurate system balance
- Designs allow for optimum system balance at minimum operating horsepower
- Positive shutoff for isolation and service
- Readout valves allow for differential pressure readings
- One-way stop indicator
- Rated to 200 PSI at 250°F
- **L46-198** through **L46-203** are lead-free as defined by CA AB1953

Fig.	Order #	Mfg. #	Model #	Conn. Size	Cv
A	**L46-815**	117402LF	CB1-1/4S	1-1/4" Sweat	14.9
A	**L46-816**	117403LF	CB1-1/2S	1-1/2" Sweat	23.5
A	**L46-817**	117404LF	CB-2S	2" Sweat	52.0
B	**L46-436**	117103LF	CB-1-1/4	1-1/4" NPT	14.9
C	**L46-818**	117104LF	CB1-1/2	1-1/2" NPT	23.5
C	**L46-819**	117105LF	CB-2	2"NPT	52.0
A	**L46-198**	117401LF	—	1" Sweat	2.5
A	**L46-199**	117412LF	—	1/2" Sweat	2.2
A	**L46-200**	117413LF	—	3/4" Sweat	2.5
C	**L46-201**	117414LF	—	1/2" NPT	2.8
C	**L46-202**	117415LF	—	3/4" NPT	3.1
C	**L46-203**	117416LF	—	1" NPT	3.3

Accu-Flo Hydronic Balancing Valves

For Balancing Flow to Terminal Units on Hydronic Systems



- Fixed port venturi balancing provides accuracy 4–5 times greater than the standard valve
- Flow measurement independent of ball position
- Compact design
- Tamper resistant memory stop
- Positive shutoff for servicing system
- Built-in drain port
- Rated to 300 PSI, 250°F

Order #	Mfg. #	Conn. Size	Min. Flow Rate	4 Ft./Sec. Res. Max. Flow	6 Ft./Sec. Com. Max. Flow	Cv
L38-750	ACUF-050-AC-2	1/2" Sweat	0.5 GPM	3.5 GPM	5.5 GPM	2.12
L38-751	ACUF-050-AT-2	1/2" NPT	0.5 GPM	3.5 GPM	5.5 GPM	2.12
L38-752	ACUF-075-AC-2	3/4" Sweat	1.0 GPM	6.5 GPM	10.0 GPM	3.90
L38-753	ACUF-075-AT-2	3/4" NPT	1.0 GPM	6.5 GPM	10.0 GPM	3.90
L38-754	ACUF-100-AC-2	1" Sweat	2.0 GPM	10.5 GPM	16.0 GPM	8.40
L38-755	ACUF-100-AT-2	1" Sweat	2.0 GPM	10.5 GPM	16.0 GPM	8.40
L38-756	ACUF-125-AC-2	1-1/4" Sweat	3.5 GPM	17.5 GPM	27.0 GPM	17.30
L38-757	ACUF-125-AT-2	1-1/4" NPT	3.5 GPM	17.5 GPM	27.0 GPM	17.30
L38-758	ACUF-150-AC-2	1-1/2" Sweat	6.0 GPM	24.0 GPM	36.0 GPM	28.30
L38-759	ACUF-150-AT-2	1-1/2" NPT	6.0 GPM	24.0 GPM	36.0 GPM	28.30
L38-760	ACUF-200-AC-2	2" Sweat	13.0 GPM	41.0 GPM	59.0 GPM	62.30
L38-761	ACUF-200-AT-2	2" NPT	13.0 GPM	41.0 GPM	59.0 GPM	62.30

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Lead-Free Hot Water Temperature Control Valves

A.S.S.E. 1017 Approved

- For mixing hot and cold water on hot water supply systems
- Designed to be installed at or near the boiler or water heater to provide tempered water to the supply piping
- Valves provide additional safety as they restrict mixed water to a drip upon loss of cold water supply to valve
- Thermostat controls both hot and cold water
- 3/4" and 1" can also be used as diverting valves
- Solid wax hydraulic principle thermostat
- The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight



Order #	Mfg. #	Model #	Type	Conn. Size	Temp. Range	Min. Flow Rate	Body Type	Max. Flow	Max. Pressure
R56-234	559100	LF-1170-US M2	1/2 1170	1/2" Union Sweat	90°-160°F	0.5 gpm	Lead–Free Brass	23 GPM	150 psi
R56-235	559101	LF-1170-UT M2	1/2 1170	1/2" Union Thread	90°-160°F	0.5 gpm	Lead–Free Brass	23 GPM	150 psi
R56-236	559103	LF-1170-US M2	3/4 1170	3/4" Union Sweat	90°-160°F	0.5 gpm	Lead–Free Brass	23 GPM	150 psi
R56-237	559104	LF-1170-UT M2	3/4 1170	3/4" Union Thread	90°-160°F	0.5 gpm	Lead–Free Brass	23 GPM	150 psi
R56-238	559105	LF-1170-US M2	1 1170	1" Union Sweat	90°-160°F	0.5 gpm	Lead–Free Brass	23 GPM	150 psi
R56-239	559106	LF-1170-UT M2	1 1170	1" Union Thread	90°-160°F	0.5 gpm	Lead–Free Brass	23 GPM	150 psi

Lead-Free Thermostatic Mixing Valves

A.S.S.E. 1016 Listed

- Designed for mixing hot and cold water to supply sinks, baths, showers or lavatories with tempered water
- Thermostat controls both hot and cold water
- Can be used in any point-of-use installation requiring preset water temperatures
- A.S.S.E. 1016 listing is for individual showers, baths, or a combination of both
- Solid wax hydraulic principle thermostat
- Locking adjustment cap
- The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight



Order #	Mfg. #	Model #	Type	Conn. Size	Temp. Range	Min. Flow Rate	Body Type	Max. Flow	Max. Pressure
R56-228	559115	LF-MMV-US M1	1/2 MMV	1/2" Union Sweat	80° - 120° F	0.5 GPM	Lead–Free Brass	20 GPM	150 PSI
R56-229	559116	LF-MMV-UT M1	1/2 MMV	1/2" Union Thread	80° - 120° F	0.5 GPM	Lead–Free Brass	20 GPM	150 PSI
R56-230	559119	LF-MMV-UT M1	3/4 MMV	3/4" Union Thread	80° - 120° F	0.5 GPM	Lead–Free Brass	20 GPM	150 PSI
R56-231	559118	LF-MMV-US M1	3/4 MMV	3/4" Union Sweat	80° - 120° F	0.5 GPM	Lead–Free Brass	20 GPM	150 PSI
R56-232	559121	LF-MMV-UT M1	1 MMV	1" Union Thread	80° - 120° F	0.5 GPM	Lead–Free Brass	20 GPM	150 PSI
R56-233	559122	LF-MMV-US M1	1 MMV	1" Union Sweat	80° - 120° F	0.5 GPM	Lead–Free Brass	20 GPM	150 PSI

Lead-Free Hot Water Extender Tempering Valves

- Maximum pressure of 150 PSI
- Series 70A valves for small domestic water supply systems
- Series 70A recommended for FHA tankless heaters, water heaters, and solar systems
- Series N170 valves are designed for larger hot water supply systems
- Series N170 valves include bronze body with stainless steel disc, and a thermostat that controls both hot and cold water
- The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight



A



B



C



D

Fig.	Order #	Mfg. #	Model #	Type	Conn. Size	Temp. Range	Min. Flow Rate	Body Type	Max. Flow	Max. Pressure
A	**R56-839**	0559129	LF70A-F	1/2 70	1/2" x 1/2" Sweat	120° to 160°F	2 gpm	Lead–Free Brass	4.5 GPM at 45 PSI	150 psi
B	**R56-840**	0559130	LF70AT	1/2 70	1/2" x 1/2" NPT	120° to 160°F	3 gpm	Lead–Free Brass	8 GPM at 45 PSI	150 psi
C	**R56-841**	0559133	LF70A	3/4 70	3/4" x 3/4" Sweat	120° to 160°F	4 gpm	Lead–Free Brass	9 GPM at 45 PSI	150 psi
B	**R56-842**	0559134	LF70AT	3/4 70	3/4" x 3/4" NPT	120° to 160°F	5 gpm	Lead–Free Brass	9 GPM at 45 PSI	150 psi
D	**R56-244**	559124	LF-N 170- M3	3/4 170	3/4" x 3/4" NPT	120°F to 180°F	3 gpm	Lead–Free Brass	45 GPM at 45 PSI	125 psi
D	**R56-245**	559125	LF-N 170- M3	1 170	1" x 1" NPT	120°F to 180°F	4 gpm	Lead–Free Brass	68 GPM at 45 PSI	125 psi

Lead-Free Thermostatic Mixing Valves

A.S.S.E. 1017 Certified



- Fail-safe on hot or cold water supply failure
- High flow, low head-loss
- Ideal for domestic water and radiant installations
- Delivers stable mixed water temperature
- Mix temperature range of 85°F to 150°F
- Lockable handle
- Factory temperature setting is 130°F

Order #	Mfg. #	Conn. Size	Max. Flow	Max. Pressure
R57-421	5002-C3	1/2"	10.6 GPM	200 PSI
R57-422	5003-C3	3/4"	10.6 GPM	200 PSI
R57-423	5004-C3	1"	22.5 GPM	200 PSI

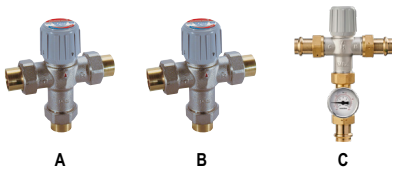
MixCal 3-Way Thermostatic Mixing Valves



- Adjustable thermostatic and pressure balanced mixing valve for point of distribution in domestic water systems and hydronic heating systems
- Sweat connection
- Low-lead brass body
- Internal anti-scale materials
- ASSE 1017

Order #	Mfg. #	Model #	Conn. Size	Temp. Range	Min. Flow Rate	4 Ft./Sec. Res. Max. Flow	6 Ft./Sec. Com. Max. Flow	Cv	Body Type	Max. Flow	Max. Pressure	Application
R56-922	521519A	521519A	3/4"	85° to 150° F	1.3 GPM	6.6 GPM	10 GPM	3	Brass	20	200 PSI	Potable / Heating
L47-564	521619A	521619A	1"	85° to 150° F	1.3 GPM	12 GPM	18 GPM	3	Brass	20	200 PSI	Potable / Heating

Lead-Free AM-1 Series Thermostatic Mixing Valves ◀ NEW



- Low lead content less than 0.25% by weighted average
- Dual purpose mixing or diverting valves
- Maintains constant water temperature under varying operating conditions
- Anti-scald/anti-chill protection
- Nickel-plated brass/bronze construction
- Teflon® coated spool and body to prevent mineral build-up
- Maximum pressure: 150 PSI
- Maximum temperature: 212°F

Fig.	Order #	Mfg. #	Model #	Type	Conn. Size	Temp. Range	Min. Flow Rate	Cv	Max. Flow	Max. Pressure	Application
NPT											
A	**R56-908**	AM100-1LF/U	AM	Thermostatic Mixing Valve	1/2" NPT	70°F to 145°F	0.50 GPM	3.2 Cv	10 GPM	150 PSI	Domestic Hot Water and Heating
A	**R56-911**	AM101-1LF/U	AM	Thermostatic Mixing Valve	3/4" NPT	70°F to 145°F	0.50 GPM	3.8 Cv	10 GPM	150 PSI	Domestic Hot Water and Heating
A	**R56-914**	AM101C-1LF/U	AM	Thermostatic Mixing Valve	3/4" NPT	70°F to 120°F	0.50 GPM	3.8 Cv	10 GPM	150 PSI	Domestic Hot Water and Heating
A	**R56-915**	AM102-1LF/U	AM	Thermostatic Mixing Valve	1" NPT	70°F to 145°F	0.50 GPM	4.3 Cv	10 GPM	150 PSI	Domestic Hot Water and Heating
Union Sweat											
B	**R56-909**	AM100-US-1LF/U	AM	Thermostatic Mixing Valve	1/2" Union Sweat	70°F to 145°F	0.50 GPM	3.9 Cv	10 GPM	150 PSI	Domestic Hot Water and Heating
B	**R56-912**	AM101-US-1LF/U	AM	Thermostatic Mixing Valve	3/4" Union Sweat	70°F to 145°F	0.50 GPM	3.9 Cv	10 GPM	150 PSI	Domestic Hot Water and Heating
Press											
C	**L51-880** ◀	AM100-UPTG-1LF/U	AM	Thermostatic Mixing Valve	1/2" Press w/ Temp Gauge	70°F to 145°F	0.50 GPM	3.9 Cv	10 GPM	150 PSI	Domestic Hot Water and Heating
C	**L51-881** ◀	AM101-UPTG-1LF/U	AM	Thermostatic Mixing Valve	3/4" Press w/ Temp Gauge	70°F to 145°F	0.50 GPM	3.9 Cv	10 GPM	150 PSI	Domestic Hot Water and Heating
C	**L51-882** ◀	AM102-UPTG-1LF/U	AM	Thermostatic Mixing Valve	1" Press w/Temp Gauge	70°F to 145°F	0.50 GPM	3.9 Cv	10 GPM	150 PSI	Domestic Hot Water and Heating

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Lead-Free AMX Series DirectConnect Thermostatic Mixing Valves

resideo

- Low lead content less than 0.25% by weighted average
- Dual purpose mixing or diverting valves
- Maintains constant water temperature under varying operating conditions
- Installs directly on the water heater hot port
- Integrated recirculation port allows for optional recirculation
- Bronze/stainless construction
- Teflon® coated wear surfaces to prevent lime deposits
- Maximum temperature: 212°F



A



B

Fig.	Order #	Mfg. #	Conn. Size	Temp. Range	Application
A	**R56-917**	AMX100-UCPVC-1LF/U	1/2" Union CPVC	90°F to 130°F	Domestic Hot Water and Heating
A	**R56-918**	AMX100-US-1LF/U	1/2" Union Sweat	90°F to 130°F	Domestic Hot Water and Heating
B	**R59-533**	AMX101-UP-1LF/U	3/4" Union Press	90°F to 130°F	Domestic Hot Water and Heating
A	**R56-929**	AMX101-US-1LF/U	3/4" Union Sweat	90°F to 130°F	Domestic Hot Water and Heating
A	**R56-930**	AMX101-UT-1LF/U	3/4" Union Thread	90°F to 130°F	Domestic Hot Water and Heating
B	**R59-534**	AMX102-UP-1LF/U	1" Union Press	90°F to 130°F	Domestic Hot Water and Heating

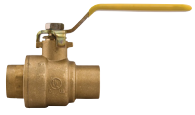
Full Port Ball Valves

WATTS

- Bronze full port for residential, commercial and industrial use
- Pressure rated at 600 PSI WOG (non-shock) and 150 PSI WSP
- UL, CSA approved
- Product is not approved for potable water usage based on overall lead content



A



B



C

Fig.	Order #	Mfg. #	Model #	Conn. Size	Ball/Stem Material
A	**R54-598**	547102	FBV-3	1/2" Threaded	Brass
A	**R54-599**	547103	FBV-3	3/4" Threaded	Brass
A	**R54-600**	547104	FBV-3	1" Threaded	Brass
A	**R54-732**	547110	FBVS-3	1/2" Sweat	Brass
A	**R54-733**	547111	FBVS-3	3/4" Sweat	Brass
A	**R54-734**	547112	FBVS-3	1" Sweat	Brass

Fig.	Order #	Mfg. #	Model #	Conn. Size	Ball/Stem Material
B	**R56-807**	0547113	FBVS-3C	1-1/4" Sweat	Brass
C	**R56-808**	0547105	FBV-3C	1-1/4" Threaded	Brass
B	**R56-809**	0547114	FBVS-3C	1-1/2" Sweat	Brass
C	**R56-810**	0547106	FBV-3C	1-1/2" Threaded	Brass
C	**R56-811**	0547107	FBV-3C	2" Threaded	Brass

Lead-Free Ball Valves

WATTS

- Pressure rated at 400 PSI WOG (non-shock)
- Suitable for full range of liquids and gases
- Threaded and sweat end types
- The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight



A



B



C



D



E

Fig.	Order #	Mfg. #	Model #	Conn. Size	Ball/Stem Material
Threaded Connection					
A	**R56-822**	0555118	LFFBV-4	1/4" Threaded	Brass
B	**R56-823**	0555119	LFFBV-4	3/8" Threaded	Brass
C	**R56-824**	0555120	LFFBV-4	1/2" Threaded	Brass
C	**R56-825**	0555121	LFFBV-4	3/4" Threaded	Brass
B	**R56-831**	0555122	LFFBV-4	1" Threaded	Brass
B	**R56-832**	0555123	LFFBV-4	1-1/4" Threaded	Brass
B	**R56-833**	0555124	LFFBV-4	1-1/2" Threaded	Brass

Fig.	Order #	Mfg. #	Model #	Conn. Size	Ball/Stem Material
B	**R56-834**	0555125	LFFBV-4	2" Threaded	Brass
Sweat Connection					
D	**R56-829**	0555128	LFFBVS-4	1/2" Sweat	Brass
D	**R56-830**	0555129	LFFBVS-4	3/4" Sweat	Brass
E	**R56-835**	0555130	LFFBVS-4	1" Sweat	Brass
E	**R56-836**	0555131	LFFBVS-4	1-1/4" Sweat	Brass
E	**R56-837**	0555132	LFFBVS-4	1-1/2" Sweat	Brass
E	**R56-838**	0555133	LFFBVS-4	2" Sweat	Brass

Lead-Free Full Port Ball Valves

WATTS

- For residential, commercial and industrial use
- Pressure rated at 600 PSI WOG (non-shock) and 150 PSI WSP
- UL, CSA approved



Order #	Mfg. #	Model #	Conn. Size	Ball/Stem Material
R56-246	88005596	LF-FBV-3C	1/4" Threaded	Brass
R56-247	88005598	LF-FBV-3C	3/8" Threaded	Brass
R56-248	88005687	LF-FBV-3C	1/2" Threaded	Brass
R56-249	88005688	LF-FBV-3C	3/4" Threaded	Brass
R56-250	88005689	LF-FBV-3C	1" Threaded	Brass
R56-251	88005694	LF-FBV-3C	1-1/4" Threaded	Brass
R56-252	88005695	LF-FBV-3C	1-1/2" Threaded	Brass

Order #	Mfg. #	Model #	Conn. Size	Ball/Stem Material
R56-253	88005696	LF-FBV-3C	2" Threaded	Brass
R56-254	88005700	LF-FBVS-3C	1/2" Sweat	Brass
R56-255	88005701	LF-FBVS-3C	3/4" Sweat	Brass
R56-256	88005702	LF-FBVS-3C	1" Sweat	Brass
R56-257	88005703	LF-FBVS-3C	1-1/4" Sweat	Brass
R56-258	88005704	LF-FBVS-3C	1-1/2" Sweat	Brass
R56-259	88005705	LF-FBVS-3C	2" Sweat	Brass

Lead-Free Pro-Connect™ Ball Valves

- Easy push-on connection to copper, CPVC or PEX
- Fully removable connection
- Fully repairable push assembly
- PEX inserts included
- Removal tool included with each valve
- Dezincification resistant brass construction
- Lead-free products are certified to ASSE 1061 & NSF/ANSI 61-G



A



B

Fig.	Order #	Mfg. #	Model #	Conn. Size	Ball/Stem Material
A	**R56-887**	H-62702W	H-62702W	1/2" Push x 1/2" Push	Brass
B	**R56-888**	H-62703W	H-62703W	3/4" Push x 3/4" Push	Brass

Fig.	Order #	Mfg. #	Model #	Conn. Size	Ball/Stem Material
B	**R56-889**	H-62704W	H-62704W	1" x 1" Push	Brass

Lead-Free Pro-Connect™ Push Fittings

- Easy push-on connection to copper, CPVC or PEX
- Fully removable connection
- Fully repairable push assembly
- PEX inserts included
- Dezincification resistant brass construction
- Lead-free products are certified to ASSE 1061 & NSF/ANSI 61-G



A



B



C



D



E



F



G



H



I



J



K



L

Fig.	Order #	Mfg. #	Description	Conn. Size	Flange Size	Size	Wt. Lbs.	Pkg. Qty.
Push Fittings								
A	**R87-981**	H-26101W	Straight Coupling	3/8" Push	3/8"	3/8"	0.09	25
A	**R87-982**	H-26112W	Straight Coupling	3/8" Push x 1/2" Push	3/8" x 1/2"	3/8" x 1/2"	0.11	25
A	**R56-862**	H-26102W	Straight Coupling	1/2" Push x 1/2" Push	1/2"	1/2"	0.12	25
A	**R56-863**	H-26103W	Straight Coupling	3/4" Push x 3/4" Push	3/4"	3/4"	0.20	10
A	**R87-984**	H-26132W	Straight Coupling	3/4" Push x 1/2" Push	3/4" X 1/2"	3/4" X 1/2"	0.17	15
A	**R56-864**	H-26104W	Straight Coupling	1" Push x 1" Push	1"	1"	0.31	9
A	**R87-986**	H-26143W	Straight Coupling	1" Push x 3/4" Push	1" x 3/4"	1" x 3/4"	0.26	9
B	**R56-865**	H-26202W	Female Straight Connector	1/2" Push x 1/2" FIP	1/2"	1/2"	0.12	20
B	**R56-866**	H-26203W	Female Straight Connector	3/4" Push x 3/4" FIP	3/4"	3/4"	0.20	12
B	**R56-867**	H-26204W	Female Straight Connector	1" Push x 1" FIP	1"	1"	0.27	9
B	**R56-868**	H-26223W	Female Straight Connector	1/2" Push x 3/4" FIP	1/2" X 3/4"	1/2" X 3/4"	0.16	20
C	**R56-869**	H-26302W	Male Straight Connector	1/2" Push x 1/2" MIP	1/2"	1/2"	0.11	20
C	**R87-993**	H-26323W	Male Straight Connector	1/2" Push x 3/4" MIP	1/2" x 3/4"	1/2" x 3/4"	0.17	20
C	**R56-870**	H-26303W	Male Straight Connector	3/4" Push x 3/4" MIP	3/4"	3/4"	0.18	15
C	**R56-871**	H-26304W	Male Straight Connector	1" Push x 1" MIP	1"	1"	0.25	9
C	**R87-994**	H-26343W	Male Straight Connector	1" Push x 3/4" MIP	1" x 3/4"	1" x 3/4"	0.23	9
D	**R56-872**	H-26402W	90° Elbow	1/2" Push x 1/2" Push	1/2"	1/2"	0.15	20
D	**R56-873**	H-26403W	90° Elbow	3/4" Push x 3/4" Push	3/4"	3/4"	0.27	12
D	**R87-997**	H-26432W	90° Elbow	3/4" Push x 3/4" Push	3/4" X 1/2"	3/4" X 1/2"	0.20	12
D	**R56-874**	H-26404W	90° Elbow	1" Push x 1" Push	1"	1"	0.47	10
E	**R87-996**	H-26422W	90° Elbow	1/2" Push x FIP	1/2"	1/2"	0.15	20
F	**R87-990**	H-26222W	90° Elbow	1/2" Push x MIP	1/2"	1/2"	0.15	20
G	**R87-998**	H-26462W	90° Drop Ear Elbow	1/2" Push x Push	1/2"	1/2"	0.22	9
H	**R87-995**	H-26412W	90° Drop Ear Elbow	1/2" Push x FIP	1/2"	1/2"	0.22	9
I	**R56-875**	H-26502W	Tee	1/2" Push x 1/2" Push x 1/2" Push	1/2"	1/2"	0.20	12
I	**R56-876**	H-26503W	Tee	3/4" Push x 3/4" Push x 3/4" Push	3/4"	3/4"	0.35	12
I	**R87-999**	H-26522W	Tee	3/4" Push x 1/2" Push x 1/2" Push	3/4" x 1/2" x 1/2"	3/4" x 1/2" x 1/2"	0.24	18
I	**R88-001**	H-26532W	Tee	3/4" Push x 3/4" Push x 1/2" Push	3/4" X 3/4" X 1/2"	3/4" X 3/4" X 1/2"	0.31	15

continued on next page

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Fig.	Order #	Mfg. #	Description	Conn. Size	Flange Size	Size	Wt. Lbs.	Pkg. Qty.
I	**R88-002**	H-26533W	Tee	3/4" Push x 1/2" Push x 3/4" Push	3/4" X 1/2" X 3/4"	3/4" X 1/2" X 3/4"	0.32	12
I	**R56-877**	H-26504W	Tee	1" Push x 1" Push x 1" Push	1"	1"	0.61	6
I	**R88-003**	H-26543W	Tee	1" Push x 1" Push x 3/4" Push	1" x 1" x 3/4"	1" x 1" x 3/4"	0.48	6
J	**R88-004**	H-26702W	Repair Tee	1/2" Push x Push x Push	1/2"	1/2"	0.34	8
J	**R88-005**	H-26703W	Repair Tee	3/4" Push x Push x Push	3/4"	3/4"	0.59	6
K	**R56-878**	H-26602W	End Cap	1/2" Push	1/2"	1/2"	0.07	30
K	**R56-879**	H-26603W	End Cap	3/4" Push	3/4"	3/4"	0.11	20
K	**R56-880**	H-26604W	End Cap	1" Push	—	—	0.30	—
L	**R87-983**	H-26122W	Slip Coupling	1/2" Push	1/2"	1/2"	0.22	15
L	**R87-985**	H-26133W	Slip Coupling	3/4" Push	3/4"	3/4"	0.35	5
L	**R87-987**	H-26144W	Slip Coupling	1" Push	1"	1"	0.51	5
Push Fitting Accessories								
—	**R56-696**	H-28212	Pex Adapter Set	1/2"	1/2"	1/2"	0.00	1
—	**R56-697**	H-28213	Pex Adapter Set	3/4"	3/4"	3/4"	0.00	1
—	**R56-698**	H-28214	Pex Adapter Set	1"	1"	1"	0.01	1
—	**R56-699**	H-28112	Removal Tool	1/2"	1/2"	1/2"	0.01	1
—	**R56-700**	H-28113	Removal Tool	3/4"	3/4"	3/4"	0.01	1
—	**R56-701**	H-28114	Removal Tool	1"	1"	1"	0.02	1

Copper Monoflo Fittings

- Allows a single pipe to serve as both supply and return main
- Recommended for most installations including cast iron non-ferrous baseboards, free-standing radiation or convectors
- Connects risers to the main, assuring proper diversion of water to each heating unit regardless of type and position in the system



Order #	Mfg. #	Conn. Size	Cv
L39-696	108120	1" x 1/2"	14.5
L39-697	108123	1-1/4" x 3/4"	24
L39-698	108125	1-1/2" x 1"	39

Lead-Free Dielectric Pipe Unions

- Protects from galvanic corrosion when dissimilar metals are joined
- For use with hot water heaters, boilers and air conditioning
- Suitable for water, air, oil, natural gas, propane, gasoline, kerosene, mineral oil, vegetable oil and alkalines
- Rated at 250 PSI at 210°F
- Meets requirements of ANSI B16.39 and ANSI B2.1
- The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight



A



B

Fig.	Order #	Mfg. #	Model #	Description	Volts	Conn. Size
A	**R56-260**	9864	LF3001A	LF3001A 1/2	600	1/2" FNPT x 1/2" SW
A	**R56-261**	9865	LF3001A	LF3001A 3/4	600	3/4" FNPT x 3/4" SW
A	**R56-262**	9866	LF3001A	LF3001A 1	600	1" FNPT x 1" SW

Fig.	Order #	Mfg. #	Model #	Description	Volts	Conn. Size
B	**R56-263**	9871	LF3005A	LF3005A 3/4	600	3/4" MNPT x 3/4" SW
A	**R56-264**	9872	LF3002	LF3002 3/4	600	3/4" FNPT x 1/2" SW
B	**R56-265**	821937	LF3007	LF3007 3/4	600	3/4" MNPT x 1/2" SW

Boiler Drain Valves

- 125 PSI
- Easy quarter-turn operation
- Certified to NSF 61



Order #	Mfg. #	Size
R56-658	102-053HN	1/2" MPT x MPT
R56-659	102-054HN	3/4" MPT x MPT

Boiler Drain Valves

- Quarter-turn ball valve design
- 200 PSI maximum pressure (14 bars)
- 250°F maximum temperature
- Product is not approved for potable water usage based on overall lead content



Order #	Mfg. #	Model #	Conn. Size	Size	Inlet Conn.	Outlet Conn.	Description	Max. Pressure	Temp. °F
R55-823	820955	BD-QT	1/2"	1/2" x 3/4"	Male Threaded	Male Threaded	Boiler Drain Shutoff	200 psi	180° F
R55-825	820956	BD-QT	3/4"	3/4" x 3/4"	Male Threaded	Male Threaded	Boiler Drain Shutoff	200 psi	180° F

WATTS



Lead-Free Boiler Drain Valves

- Quarter-turn ball valve design
- 200 PSI maximum pressure (14 bars)
- 250°F maximum temperature
- The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight

Order #	Mfg. #	Model #	Conn. Size	Size	Inlet Conn.	Outlet Conn.	Description	Max. Pressure	Temp. °F
R56-852	0123631	LFBD-QT	1/2"	1/2" x 3/4"	Male Threaded or Solder	Hose	Boiler Drain Shutoff	200 psi	180° F
R56-853	0123632	LFBD-QT	3/4"	3/4" x 3/4"	Male Threaded or Solder	Hose	Boiler Drain Shutoff	200 psi	180° F

WATTS



A B

Lead-Free Boiler Drain Valves

- 200 PSI WOG (non-shock) rating
- 180°F maximum temperature
- The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight

Fig.	Order #	Mfg. #	Model #	Conn. Size	Size	Inlet Conn.	Outlet Conn.	Description	Max. Pressure	Temp. °F
A	**R56-843**	0123618	LFBD-1C	1/2"	1/2"	Male Threaded or Solder	Hose	Boiler Drain Shutoff	200 psi	180° F
B	**R56-844**	0123619	LFBD-2C	3/4"	3/4"	Male Threaded	Hose	Boiler Drain Shutoff	200 psi	180° F

WATTS



Boiler Drain Valves

- 200 PSI WOG (non-shock) rating
- 180°F maximum temperature

Order #	Mfg. #	Model #	Conn. Size	Size	Inlet Conn.	Outlet Conn.	Description	Max. Pressure	Temp. °F
R54-592	820901	BD-1C	1/2"	1/2"	Male Threaded	Male Threaded	Boiler Drain Shutoff	200 psi	180° F
R54-593	820902	BD-2C	3/4"	3/4"	Male Threaded	Male Threaded	Boiler Drain Shutoff	200 psi	180° F

WATTS



A B

Lead-Free Hose Bibbs

- Heavy brass construction
- Aluminum die cast handle
- The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight

Fig.	Order #	Mfg. #	Model #	Conn. Size	Size	Inlet Conn.	Outlet Conn.	Description	Max. Pressure
A	**R56-826**	0123483	LFSC-5	1/2"	1/2" x 3/4"	Male Threaded or Solder	Hose	Sillcock Faucet	125 psi
B	**R56-827**	0123484	LFSC-6	3/4"	3/4" x 3/4"	Male Threaded or Solder	Hose	Sillcock Faucet	126 psi

resideo



A B

L5 Wi-Fi Water Leak Shutoff Valves

- Shuts off the water supply automatically via paired sensing cable or one or more paired Resideo WiFi Water Leak and Freeze Detectors
- Control the Valve remotely through the Resideo App
- Manual override to turn water on or off
- Standard ball valve makes it easy for a licensed plumber to install
- Includes a 5' cable that detects water along its entire length
- 5-year limited warranty

Fig.	Order #	Mfg. #	Model #	Conn. Size	Description
A	**L51-334**	VWS02Y-1/2	L5	1/2" NPT	L5
A	**L51-335**	VWS02Y-3/4	L5	3/4" NPT	L5
A	**L51-336**	VWS02Y-1	L5	1" NPT	L5
A	**L51-337**	VWS02Y-11/4	L5	1-1/4" NPT	L5
B	**L51-338**	VB-SP02Y-002	L5	—	Replacement Actuator

resideo



A B

Wi-Fi Water Leak and Freeze Detectors

- Notifies of leaks via Resideo App
- Alerts to leaks with LED lights and a 100 dBA alarm
- Easily pairs with the new L5 WiFi Water Leak Shutoff Valve
- Reset and reuse the device after a detection
- Includes a 5' cable that detects water along its entire length
- 2-year limited warranty

Note: L51-744 cable accessory expands leak detector coverage area

Fig.	Order #	Mfg. #	Model #	Size	Description
A	**L51-332**	CHW3610W8001/U	L1	1-pack	L1 WiFi Water Leak and Freeze Detector Single Pack
A	**L51-333**	YCHW3000W3003/U	L1	3-pack	L1 WiFi Water Leak and Freeze Detector Triple Pack
B	**L51-744**	WLD3CABLE	—	5'	WiFi Water Leak Detector Accessory Cable Sensor (5-ft)

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UPZC Series Zone Controls

- Works with boiler pumps, domestic hot water pumps and system pumps
- Side mounted terminals
- LED indicators on front panel
- Zone priority time-out feature



Order #	Mfg. #	Model #	Description	Volts	Max. output @ 24V	F/L Amps	Amps	Relay	Width	Height	Depth
L49-064	98996441	UPZCP-3	UPZCP-3 Three Pump Zone Control, Cpl.	120	24 VAC, 40 VA, Class 2	20	20	Sealed	8.15"	10.67"	2.72"
L49-065	98996433	UPZCP-4	UPZCP-4 Four Pump Zone Control, Cpl.	120	24 VAC, 40 VA, Class 2	20	20	Sealed	8.15"	10.67"	2.72"
L49-066	98996435	UPZCP-6	UPZCP-6 Six Pump Zone Control, Cpl.	120	24 VAC, 40 VA, Class 2	20	20	Sealed	8.15"	10.67"	2.72"
L49-067	98996436	UPZCV-3	UPZCV-3 Three Valve Zone Control, Cpl.	120	24 VAC, 40 VA, Class 2	20	20	Sealed	8.15"	10.67"	2.72"
L49-068	98996438	UPZCV-4	UPZCV-4 Four Valve Zone Control, Cpl.	120	24 VAC, 40 VA, Class 2	20	20	Sealed	8.15"	10.67"	2.72"
L49-069	98996439	UPZCV-6	UPZCV-6 Six Valve Zone Control, Cpl.	120	24 VAC, 80 VA (40VA x 2), Class 2	20	20	Sealed	8.15"	10.67"	2.72"

Flow Switches

- For use as automatic control in air conditioning, heating, water systems and process work
- SPDT Switch
- Primary wetted parts are brass
- **L37-332** and **L38-791** used principally on water lines, installed in tee or welding neck in horizontal pipe up to 6", with 1" NPT threaded connection pipe size
- **L37-333** used in areas of high humidity and outdoor installation, installed in tee or welding neck in horizontal pipe up to 6", with 1" threaded connection pipe size
- **L37-333** is NEMA 4X rated – water-tight, dust-tight, corrosion-resistant
- **L37-415** used for low flow rate applications, 1/2" pipe size, NEMA 1 rated
- **L86-133** designed for industrial use, 1-1/4" pipe size
- **L40-232** is designed for industrial use in high humidity and outdoor installations, with 1-1/4" NPT threaded connection pipe size and a 6" paddle
- **L40-232** is NEMA 4X rated – water-tight, dust-tight, corrosion-resistant
- **L40-232** includes a magnetic switching mechanism that eliminates the need for bellows, and includes a sensitivity adjusting screw
- **L37-636** is suitable for a wide range of applications, with 3/4" pipe size
- **L40-231** is designed for high sensitivity applications, with 1" NPT connection pipe size, and inline configuration that eliminates the need for a pipe tee
- **L40-231** has a high flow capacity, sensitivity adjusting screw, and a completely sealed switch compartment



A



B



C



D



E



F



G

Fig.	Order #	Mfg. #	Type	GPM Min. Flow	GPM Min. No Flow	GPM Max. Flow	GPM Max. No Flow	Max. Fluid Temp.	Max. Pressure
A	**L37-332**	120611	FS-251	6.00	3.60	10.20	9.20	300°F	150 PSI
A	**L38-791**	114650	FS4-3-RP-T	6.00	3.60	10.20	9.20	300°F	150 PSI
B	**L37-333**	120610	FS-254	4.90	3.40	17.60	15.00	225°F	150 PSI
C	**L37-415**	113200	FS1	0.41	0.24	1.81	1.28	225°F	100 PSI
D	**L86-133**	119700	FS7-4	4.80	3.00	7.70	5.90	300°F	300 PSI
E	**L40-232**	120201	FS7-4W	4.80	3.00	7.70	5.90	300°F	300 PSI
F	**L37-636**	114760	FS5	1.50	1.10	15.00	10.00	250°F	150 PSI
G	**L40-231**	115600	FS6-1	0.12	0.06	2.50	1.50	225°F	100 PSI

Flow Switch Replacement Paddles

Order #	Mfg. #	Model #	Description
L38-427	310451	FS4-15SS	Stainless Steel Paddles
L38-792	336101	FS4-15RP	Reinforced Stainless Steel Paddles
L38-793	336700	FS7-28	Bronze Paddles



Flow Switch



- Starts or stops equipment when a flow or no flow condition occurs
- For use on 1" to 8" diameter pipe
- NEMA 1 enclosure, stainless steel paddles and trip rods
- 1" NPT connection
- SPDT switch action

Order #	Mfg. #	Min. Fluid Temp.	Max. Pressure
L41-615	IFS01BF-1	250°F	250 PSI

Flow Switches



- Liquid flow switches used on fluid lines carrying water, ethylene, glycol, or other nonhazardous fluids
- Stainless steel paddles: 1", 2", 3" installed and 6"uninstalled
- **L47-826** is TYPE 3R (NEMA) vapor-tight enclosures
- **L47-828** is TYPE 4 (NEMA) enclosures suitable for swimming pool water and fuel oil
- Three color-coded screw terminals and one ground terminal
- Conduit connection: one 7/8" hole for 1/2" conduit
- GPM flows are based on 1" pipe (minimum) on 8" pipe and (maximum)

Order #	Mfg. #	GPM Min. Flow	GPM Min. No Flow	GPM Max. Flow	GPM Max. No Flow	Min. Fluid Temp.	Max. Fluid Temp.
L47-826	F261KAH-V01C	4.2	2.5	760	730	-20°F	250°F
L47-828	F261MAH-V01C	4.2	2.5	760	730	-20°F	250°F

Thermostatic Radiator Valves and Controls

Self-Powered Thermostatic Actuators and Valve Bodies that Provide Comfort and Energy Savings



A



B



C

- Valves and actuators meet ASHRAE Standard 102-1989
- For control of hot water or steam radiators, convectors or other hydronic heating units
- Thermostatic actuator setpoint dial shows guide marks (1-5) and provides positive shutoff when turned fully clockwise (0)
- Thermostatic actuator includes sensor and setpoint dial; components may be integral or connected by capillary tubes
- Valve seat disc, made of resilient EPDM, ensures tight shutoff on hot water or low pressure steam systems
- Nickel-plated brass cast valve body with working parts in cartridge insert for ease of service
- No electrical connections or wiring required
- All working parts replaceable while valve remains in service, in-line, under pressure
- Use T100 thermostatic actuators with V100 valve bodies, T104 thermostat actuators with V110 valve bodies
- T104/V110 designed to meet higher capacity normally required of North American radiator systems — over twice the flow capacity of most competitive valves
- Ratings: maximum temperature — 248°F; maximum system PSI — 150 PSI (hot water); 14 PSI (steam V100 series), 15 PSI (steam V110 series); maximum differential — 17 PSI

Note: The "New" style T100 actuators directly fit both the "New" and "Old" style V100 bodies. However, the "Old" style T100 actuators fit only "Old" style V100 bodies.

Fig.	Order #	Mfg. #	Description	For Use With	Style
A	**L38-677**	T100B1035	Remote Sensor, Remote Setpoint, 6' 8" Capillary	V100	New
B	**L37-800**	T104A1040	Integral Sensor, Integral Setpoint	V110	Old
A	**L37-802**	T104B1038	Remote Sensor, Remote Setpoint, 6' 8" Capillary	V110	Old
C	**L37-801**	T104F1512	Remote Sensor, Integral Setpoint, 6' 8" Capillary	V110	Old

Valve Bodies



- Listed Cv Factor = GPM at 1 PSI differential pressure
- Designed with the higher capacity normally required by North American heating systems
- Valve seat disc, which is made of resilient material (EPDM), ensures tight shutoff on steam or hot water systems
- Nickel-plated bronze casted body with working parts in cartridge insert for ease of service
- All working parts are replaceable using service tool (MT110C1011) while valve remains in service, in-line, under pressure
- Valves normally open without control mounted
- Valves may be used with T104 Thermostatic Actuators
- Meet ASHRAE Standard 102-1989

Order #	Mfg. #	Description	Size	Conn. Size	Style	BtuH Capacity	Cv
L37-795	V110D1008	Straight	3/4"	Threaded MPT	Old	162,000	5.8
L37-796	V110F1010	Horizontal Angle Pattern	3/4"	Threaded MPT	Old	162,000	5.8
L38-679	V2040DSL15	Straight	1/2"	Threaded MPT	New	59,100	2.5
L38-680	V2040DSL20	Straight	3/4"	Threaded MPT	New	63,800	2.7
L38-681	V2040ESL20	Vertical Angle Pattern	3/4"	Threaded MPT	New	63,800	2.7
L38-682	V2040ASL20	Horizontal Angle Pattern	3/4"	Threaded MPT	New	63,800	2.7

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Radiator Thermostat

Honeywell Home

- Fits all existing Honeywell thermostatic radiator valve bodies
- Adapter included in box to fit Danfoss valve bodies for most applications
- Easy programming: thermostat head can be removed for easier programming
- Adjustable display: the flip-up display can be easily read, even in tight locations
- Background lighting
- Frost-proof function automatically opens valve when temperature drops below 41 degrees
- Child/Safety lock included to prevent unauthorized access
- ECO saver mode automatically lowers ambient temperature to save on energy costs
- Window function saves energy by closing the valve when you open a window to avoid steep drops in room temperature
- Additional modes include “Party”, “Special Day” and “Holiday” to allow simple pre-set adjustments for special occasions
- Set up to six set points per day and three different temperatures (7 days per week)



Order #	Mfg. #	Description
L48-026	HR90	Radiator Thermostat

Erie PopTop™ Zone Valves

Pushbutton Release Actuator

Schneider Electric

- Two-way and three-way zone valves
- The PopTop actuator mounts directly onto the body quickly, without the need for linkages and calibration
- Normally closed operation
- Two-position spring return, 18" leads and 100% shutoff
- Temperature range: 32°F to 200°F @ 169°F ambient temperature
- 300 PSI operating pressure limit



Order #	Mfg. #	Configuration	Conn. Size	Cv	Volts	Options
L37-786	VT2212G13A020	2-Way	1/2" Sweat	2.5	24	None
L38-685	VT2212G13A02A	2-Way	1/2" Sweat	2.5	24	End Switch
L37-582	VT2212G13B020	2-Way	1/2" Sweat	2.5	120	None
L37-905	VT2343G13A02A	2-Way	None (Replaces L37-904)	3.5	24	End Switch
L37-904	VT2343G13A02A0F	2-Way	3/4" Inverted Flare	3.5	24	End Switch
L38-686	VT2313G13A02A	2-Way	3/4" Sweat	3.5	24	End Switch
L38-687	VT2313G13B020	2-Way	3/4" Sweat	3.5	120	None
L38-688	VT2417G13A02A	2-Way	1" Sweat	7.0	24	End Switch
L38-689	VT2417G13B020.	2-Way	1" Sweat	7.0	120	None
L37-787	VT3213G13A020	3-Way	1/2" Sweat	3.5	24	None
L38-690	VT3212G13B020	3-Way	1/2" Sweat	2.5	120	None
L37-583	VT3213G13B020	3-Way	1/2" Sweat	3.5	120	None
L38-691	VT3313G13B020	3-Way	3/4" Sweat	3.5	120	None
S58-608	30-118-A	Repl. Motor	—	—	24	—
S58-560	30-118-B	Repl. Motor	—	—	120	—
S58-730	30-118-T	Repl. Motor	—	—	277	—
L44-627	AG13A02A	Repl. Actuator	—	—	24	—

Snap Zone Valves

For residential and Light Commercial Applications

- Four wire thermoelectrically operated valves designed for heat and cooling systems
- Visual indicator provides quick recognition of which valves are energized and which are closed
- Forged Brass Body
- Union connections allow for quick installation of the zone valve.



Order #	Mfg. #	Model #	Conn. Size	Application
R57-406	109500	SZV-050S-4WE	1/2" Sweat	—
R57-407	109501	SZV-050S-4WE	3/4" Sweat	—
R57-408	109502	SZV-050S-4WE	1" Sweat	—
R57-409	109506	SZV-050S-4WE	1/2" NPT	—
R57-410	109507	SZV-050S-4WE	3/4" NPT	—
R57-411	109508	SZV-050S-4WE	1" NPT	—
R57-412	109512	SZV-050S-000	1/2" Sweat Body	—
R57-413	109513	SZV-050S-000	3/4" Sweat Body	—
R57-414	109514	SZV-050S-000	1" Sweat Body	—
R57-415	109515	SZV-050S-000	1/2" NPT Body	—
R57-416	109516	SZV-050S-000	3/4" NPT Body	—
R57-417	109517	SZV-050S-000	1" NPT Body	—
R57-418	109518	SZV-000-4WE	—	Replacement Actuator

Honeywell Home

Zone Valves



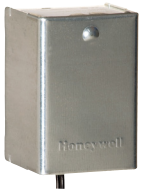
A



B



C



D



E

- Controls the flow of hot or chilled water
- Replace power head without breaking line connections or draining the system
- Manual opener for valve operation on power failure; returns to automatic position when power is restored
- "E" and "F" models include an end switch
- Ball seal design provides a new sealing surface each time the valve operates

Specifications:

- Maximum static pressure: 125 PSI
- Power consumption: 9.6VA (V4043 Models); 7.7VA (V8043 and V8044 Models)
- Nominal timing: 30 seconds (V8044 Models); 15 seconds (V4043 and V8043 Models)
- Temperature range: 40°F to 240°F (V4043 Models); 40°F to 200°F (V8043 and V8044 Models)

Fig.	Order #	Mfg. #	Conn. Size	Cv	Volts	Electrical Conn.	De-Energized Position	Temp. Range
A	**L40-101**	V8043A1011	1/2" Sweat	3.5	24	18" Leads	N.C.	50°F to 200°F
A	**L40-102**	V8043A1029	3/4" Sweat	3.5	24	18" Leads	N.C.	50°F to 200°F
A	**L40-103**	V8043B1019	1/2" Sweat	3.5	24	18" Leads	N.O.	50°F to 200°F
A	**L40-104**	V8043B1027	3/4" Sweat	3.5	24	18" Leads	N.O.	50°F to 200°F
A	**L37-345**	V8043E1004	1/2" Sweat	3.5	24	18" Leads	N.C.	50°F to 200°F
A	**L37-346**	V8043E1012	3/4" Sweat	3.5	24	18" Leads	N.C.	50°F to 200°F
A	**L37-347**	V8043E1020	1" Sweat	3.5	24	18" Leads	N.C.	50°F to 200°F
A	**L38-710**	V8043E1061	3/4" Sweat	8.0	24	18" Leads	N.C.	50°F to 200°F
A	**L38-711**	V8043E1079	1" Sweat	8.0	24	18" Leads	N.C.	50°F to 200°F
B	**L40-105**	V8043F1028	1/2" Sweat	3.5	24	Terminal Block	N.C.	50°F to 200°F
B	**L38-712**	V8043F1036	3/4" Sweat	3.5	24	Terminal Block	N.C.	50°F to 200°F
B	**L38-723**	V8043F1051	1" Sweat	3.5	24	Terminal Block	N.C.	50°F to 200°F
B	**L40-106**	V8043F1093	3/4" Sweat	8.0	24	Terminal Block	N.C.	50°F to 200°F
B	**L40-107**	V8043F1101	1" Sweat	8.0	24	Terminal Block	N.C.	50°F to 200°F
C	**L40-108**	V8044A1010	1/2" Sweat	4.0	24	18" Leads	N.C. (Port A)	50°F to 200°F
C	**L40-109**	V8044A1044	3/4" Sweat	7.0	24	18" Leads	N.C. (Port A)	50°F to 200°F
C	**L40-110**	V8044E1011	3/4" Sweat	7.0	24	18" Leads	N.C. (Port A)	50°F to 200°F
A	**L40-092**	V4043A1010	1/2" Sweat	3.5	120	18" Leads	N.C.	50°F to 240°F
A	**L40-093**	V4043A1259	3/4" Sweat	7.0	120	18" Leads	N.C.	50°F to 240°F
A	**L40-094**	V4043E1003	1/2" Sweat	3.5	120	18" Leads	N.C.	50°F to 240°F
D	**L40-001**	40003916-021	Replacement Powerhead for V8043A	—	—	—	—	—
D	**L37-348**	40003916-026	Replacement Powerhead for V8043E 1000 series	—	—	—	—	—
—	**L37-506**	40003918-006	Adapter Kit for V4043, V8043	—	—	—	—	—
—	**S58-643**	802360JA	Replacement Motor for V8043, V8044	—	—	—	—	—
D	**L44-333**	40003916-048	Replacement Powerhead for V8043F w/End Switch	—	—	—	—	—
E	**L44-334**	40003916-548	Replacement Powerhead for V8043F 5000 Series w/End Switch	—	—	—	—	—

Honeywell Home

Aquatrol AQ2000 Series Hydronic Heating System Controls



A



B

- Provides simplified control of residential hydronic systems
- Modular design for installation flexibility — panels connect together and require only six control wires to add on new modules
- Expandable up to 16 zones
- Status LEDs for easy diagnostics
- Extends boiler life and saves energy by minimizing frequent boiler cycling
- Boiler post purge delivers retained heat in the boiler to zones where it can be used
- Periodically activates all valves and pumps to prevent seasonal start-up problems
- Freeze protection feature activates all valves and pumps if communication is lost between the zones and the controller

Fig.	Order #	Mfg. #	Description
A	**L87-295**	AQ25042B	4 Zone Boiler Relay Panel for Pumps or Zone Valves w/o End Switches
A	**L87-296**	AQ25044B	4 Zone Boiler Relay Panel for Zone Valves w/ End Switches
B	**L87-300**	AQ25542B	4 Zone Expansion Panel for Pumps
B	**L87-302**	AQ25742B	4 Zone Expansion Panel for Zone Valves w/o End Switches
B	**L87-303**	AQ25744B	4 Zone Expansion Panel for Zone Valves w/ End Switches

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5000 Series High Performance Zone Valves

Honeywell Home

- Slow close technology reduces water hammer
- Patented ball seal design provides a quality seal
- Quick fit pushbutton actuator easily snaps on and off without draining the system
- Forged brass body
- Normally closed operation

Specifications:

- Electrical rating: 24VAC (actuator); 120V (end switch — selected models)
- Maximum fluid temperature: 200°F
- Static pressure rating: 300 PSI



Order #	Mfg. #	Conn. Size	Cv	Electrical Conn.
L40-719	V8043E5004	1/2" Sweat	3.5	18" Leads w/End Switch
L40-720	V8043A5029	3/4" Sweat	3.5	18" Leads
L40-721	V8043E5012	3/4" Sweat	3.5	18" Leads w/End Switch
L40-722	V8043E5061	3/4" Sweat	8.0	18" Leads w/End Switch
L40-723	V8043F5036	3/4" Sweat	3.5	Terminal Block
L40-724	V8043F5093	3/4" Sweat	8.0	Terminal Block
L40-725	V8043E5020	1" Sweat	3.5	18" Leads w/End Switch
L40-726	V8043E5079	1" Sweat	8.0	18" Leads w/End Switch
L40-727	V8043F5051	1" Sweat	3.5	Terminal Block

Special Boiler With Reset

Honeywell

- Save time on installations with the easy-to-use graphical Interface, large display, and the intuitive programming
- Use the time clock scheduler or digital input to control the setback and disable output options to help save energy
- Provide very fast or very fast response times on modulating outputs by adjusting the integral and derivative times (PI or PID)
- Configure models with reset in a few easy steps
- Eliminate the need for a separate time delay device and protect equipment with the minimum off time option
- Use the T775L and T775P to stage up to 12 relays (with optional T775S) from two independent heat or cool setpoints
- Support for digital output alarm on the T775P configurable based on minimum, maximum, or differential temperature

Applications:

- Staging controller for applications where electronic accuracy and remote sensing of temperature is required

Features:

- 3 sensors included
- 3 temp input, 1 digital output



Order #	Mfg. #	Description	Each
L43-811	T775P2003	Special Boiler with Reset	**1345.00**

Fan Coil Valves

Honeywell Home

- For controlling flow of hot or cold water
- Has manual opener for valve operation on power failure; returns to automatic position when power is restored
- Install without disassembling valve
- Static pressure rating: 125PSI (862 kPa)
- **L37-468** has a valve rating of 4.0 Cv and a max. close-off pressure of 20 PSI
- **L37-469** has a valve rating of 7.0 Cv and a max. close-off pressure of 10 PSI



Order #	Mfg. #	Conn. Size	Volts	Max. Ambient Temp.	Min. Fluid Temp.	Max. Fluid Temp.
L37-468	V4044A1019	1/2" Sweat	120VAC, 60 Hz	125°F	40°F	200°F
L37-469	V4044A1191	3/4" Sweat	120VAC, 60 Hz	125°F	40°F	200°F
L40-763	40003916-047	—	120VAC Replacement Powerhead for V4044A	—	—	—

Temperature And Flow Rates

	--Flow Capacity Rating--		--Max. Close-Off Pressure--		--Max. Fluid Temp.--		--Min. Fluid Temp.--		--Max. Ambient Temp.--	
Order #	Cv	kv	PSI	kPa	°F	°C	°F	°C	°F	°C
L37-468	4.0	3.4	20	138	200	93	40	5	125	52
L37-469	7.0	6.0	10	69	200	93	40	5	125	52

WHITE-RODGERS



Zone Valves

- Valve stem made of stainless steel
- Automatic recycling manual operator shows valve position at all times
- Built-in auxiliary contacts to control burner or circulator relay
- Motor can be removed from valve assembly without draining system
- **L39-521**, **L39-522** and **L39-523** have valve current of 0.4A only during opening or closing
- **L39-524**, **L39-525** and **L39-526** have valve current of .52A when opening and 0.2A when fully open

Specifications:

- Time cycle: **L39-521**, **L39-522** and **L39-523**: 45 seconds open, 45 seconds closed; **L39-524**, **L39-525** and **L39-526**: 45 seconds open, 60 seconds closed
- Max. temp: 240°F
- Electrical rating: 2A @ 24VAC
- Max. system pressure: 50 PSI

Order #	Mfg. #	Configuration	Conn. Size	Cv	De-Energized Position
L39-521	1311-102	3-Wire	3/4"	23.5	NC
L39-522	1311-103	3-Wire	1"	37.0	NC
L39-523	1311-104	3-Wire	1-1/4"	42.2	NC

Order #	Mfg. #	Configuration	Conn. Size	Cv	De-Energized Position
L39-524	1361-102	2-Wire	3/4"	23.5	NC
L39-525	1361-103	2-Wire	1"	37.0	NC
L39-526	1361-104	2-Wire	1-1/4"	42.2	NC

WHITE-RODGERS



Automatic Change-Over Switches

- SPDT control provides automatic change-over of thermostat for combination hot and chilled water systems
- Opens at 85°F, closes at 70°F
- Available for 1/2" (5/8" O.D.) tubing
- **L36-146** has a conduit connection

Order #	Mfg. #	F/L Amps @ 120V	F/L Amps @ 240V	L/R Amps @ 120V	L/R Amps @ 240V	Res. Amps	VA Rating
L36-145	752-1	7.5	3.75	45	22.5	15	125
L36-146	752-2	7.5	3.75	45	22.5	15	125

CALEFFI Hydronic Solutions



Spring Return Zone Valves

- Two-Way zone valve
- Spring return normally closed with micro switch

Order #	Mfg. #	Description	Conn. Size	Cv	Electrical Conn.	De-Energized Position	Temp. Range	Max. Working Pressure	VA Rating	Max. Ambient Temp.	Min. Fluid Temp.	Max. Fluid Temp.
L47-559	Z55	3/4" Sweat, 7.5Cv, 20 PSI Delta P, Zone valve, w/ micro switch	3/4" SWT	7.5	24V	Closed	32 - 240 F	300 PSI	7	104F	32 F	240F
L47-560	Z56	1" Sweat, 7.5Cv, 20 PSI Delta P, Zone valve, w/ micro switch	1" SWT	7.5	24V	Closed	32 - 240 F	300 PSI	7	104F	32F	240F
L47-561	Z57	1 1/4" Sweat, 7.5Cv, 20 PSI Delta P, Zone valve, w/ micro switch	1 1/4" SWT	7.5	24V	Closed	32 - 240 F	300 PSI	7	104F	32F	240F

Taco Comfort Solutions® A Taco Family Company

Zone Sentry™ Zone Valves

- Uses up to 93% less energy than other commonly installed zone valves
- Quiet actuator operation
- Suitable for hot water or chilled water applications
- Can be mounted in any orientation
- Up to 12 valves on (1) 40VA transformer



A



B



C

Fig.	Order #	Mfg. #	Configuration	Conn. Size	Cv	Volts
Sweat Connection						
A	**L45-867**	Z050C2-2	2-Way	1/2" Sweat	4.9	24
A	**L45-868**	Z075C2-2	2-Way	3/4" Sweat	10.3	24
A	**L45-869**	Z100C2-2	2-Way	1" Sweat	8.9	24
Threaded Connection						
B	**L50-222**	Z050T2-3	2-Way	1/2" Threaded	4.9	24
B	**L50-223**	Z075T2-3	2-Way	3/4" Threaded	10.3	24

Fig.	Order #	Mfg. #	Configuration	Conn. Size	Cv	Volts
B	**L50-224**	Z100T2-3	2-Way	1" Threaded	8.9	24
Press Connection						
C	**L50-225**	Z050P2-2	2-Way	1/2" Press	3.4	24
C	**L50-226**	Z075P2-2	2-Way	3/4" Press	9.5	24
C	**L50-227**	Z100P2-2	2-Way	1" Press	7.5	24
Actuator						
—	**L45-866**	ZA024Q4A2	Actuator	—	—	—

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QuickTop Zone Valves™

- Provides on-off, normally closed control in closed hydronic systems
- Create individual zones or equipment isolation
- Utilizing one pump with multiple zone valves, flow can be started and stopped through the system providing individual room or area comfort
- Can be used in a wide variety of heating & cooling applications
- Use with baseboard, fan coils, radiators, convectors, air handlers, heat pumps and radiant applications



Order #	Mfg. #	Conn. Size	Volts	Max. Working Pressure	Max. Ambient Temp.	Min. Fluid Temp.	Max. Fluid Temp.
L50-698	QT050C2-1	1/2" SWT	24	20	125	32	200
L50-699	QT075C2-1	3/4" SWT	24	20	125	32	200
L50-700	QT100C2-1	1" SWT	24	15	125	32	200

Spring Return Zone Actuator

- Normally closed spring actuator with micro switch



Order #	Mfg. #	Description
L47-562	Z151000	24V w/ Micro Switch & Terminal block Actuator

Geo-Sentry Valve

- Multi-Function LED
- Quick connect wiring
- Push button actuator replacement
- Easy wire quick connections
- Manual override button
- Positional indicator
- Enhances the overall performance of any geothermal system



Order #	Mfg. #	Conn. Size	Volts	Temp. Range	Max. Working Pressure
R57-419	V075T2G2ZA024Q4A2	3/4" NPT	24V	20°-200°F	300 PSI

Electric Zone Valves

- The silent operation permits installation in or near rooms where noiseless operation is essential
- Heavy bronze body with sweat or threaded connections



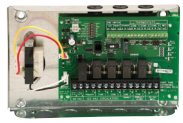
Order #	Mfg. #	Description	Conn. Size	Normal Flow Range	Temp. Range	Max. Working Pressure	Pressure Drop Equiv. Ft.
L37-498	570-2	Zone Valve	1/2" SWT	0 to 4.5 GPM	40°F to 240°F	125 PSI	10
L37-499	571-4	Zone Valve	3/4" SWT	4.5 to 6.0 GPM	40°F to 240°F	125 PSI	20
L37-500	572-4	Zone Valve	1" SWT	6.0 to 10.0 GPM	40°F to 240°F	125 PSI	60
L37-501	555-050RP	Replacement Head	—	—	—	—	—
L38-555	555-173RP	Replacement Head	—	—	—	—	—

Hydronic Switching Relays

- All switching relays are DPDT
- Provides intermediate switching of a line voltage device from a 24VAC controller
- Built-in transformer, external diagnostic lights, fuse protected, 0.18A current for use with thermostat
- Extended 3-year warranty



A



B

Fig.	Order #	Mfg. #	Description	F/L Amps	Width	Height	Depth
A	**L46-420**	SR501-4	1 Zone Relay	5.0	4-1/4"	5-1/4"	2-3/4"
A	**L46-421**	SR502-4	2 Zone w/Priority	15.0	10-1/4"	6-3/4"	2-3/4"
A	**L46-422**	SR503-4	3 Zone w/Priority	15.0	10-1/4"	6-3/4"	2-3/4"
A	**L46-423**	SR504-4	4 Zone w/Priority	20.0	10-1/4"	6-3/4"	2-3/4"
A	**L46-424**	SR506-4	6 Zone w/Priority	20.0	11-3/4"	7-1/2"	3"
B	**L46-425**	SR503-EXP-4	3 Zone w/Priority and PowerPort Option	20.0	10-1/4"	6-3/4"	2-3/4"
B	**L46-426**	SR504-EXP-4	4 Zone w/Priority and PowerPort Option	20.0	10-1/4"	6-3/4"	2-3/4"

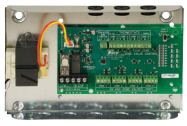
EXP Control Accessories



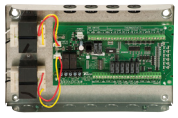
- Easy, plug-in connections to the EXP pump or zone valve relay controls

Order #	Mfg. #	Description
L41-624	PC700-2	Boiler Reset Control
L41-625	PC705-2	Variable Speed Injection Mixing Control

Hydronic Zone Valve Controls



A



B

- Works with 2-, 3- or 4-wired zone valves
- Built-in transformer
- End switches rated at 5A, 1/6 HP @ 120VAC
- Allows use of multiple circulators in conjunction with zone valves
- External diagnostic lights, fuse protected
- Extended 3-year warranty

Fig.	Order #	Mfg. #	Description	Max. output @ 24V	Width	Height	Depth
A	**L46-428**	ZVC403-4	3 Zone	40VA	10-1/4"	6-3/4"	2-3/4"
A	**L46-429**	ZVC404-4	4 Zone w/Priority	40VA	10-1/4"	6-3/4"	2-3/4"
A	**L46-431**	ZVC406-4	6 Zone w/Priority	80VA	11-3/4"	7-1/2"	3"
B	**L46-432**	ZVC404-EXP-4	4 Zone w/Priority	80VA	11-3/4"	7-1/2"	3"
B	**L46-433**	ZVC406-EXP-4	6 Zone w/Priority	80VA	11-3/4"	7-1/2"	3"

Hydro Air Fan Control



- Interfaces between the thermostat and air handler
- Compatible with 1- or 2-speed air handlers
- Built-in 24V transformer for heating and cooling thermostats
- Includes three built-in fan time delay options, two selectable pump exercise modes, a secondary aquastat connection for freeze protection and the ability to switch a pump and/or boiler

Order #	Mfg. #	Volts
L41-634	HAFC201-4	120

Mixing Blocks



A



B

- Can be setup as outdoor reset controls, setpoint controls or delta T limiting controls
- No special piping – four pipe connections complete the installation
- Uses Taco pump repair cartridges
- Bronze construction can be used on “open” or “closed” systems (barrier or non-barrier PEX tubing)
- 6' power cord included; 120 VAC
- Operates in systems up to 125 PSI with temperatures up to 185°F
- 3250 RPM
- 3/4" NPT connections
- **L87-238** combines a variable-speed injection mixing control, injection circulator, system circulator and air elimination into a single unit, with integral check valve and 120,000 BtuH capacity
- **L87-239** combines a variable-speed injection mixing control, heat source circulator, system circulator and heat exchanger into a single unit, with 60,000 BtuH capacity
- **L87-239** for use in system combining any style heat source with any style heat delivery method or system condition

Fig.	Order #	Mfg. #	Description
A	**L87-238**	RMB-1	Radiant Mixing Block

Fig.	Order #	Mfg. #	Description
B	**L87-239**	XPB-1	X-Pump Block

Zone Valve and Pump Controllers



- Allows up to 10 amps, 1/3 HP per zone
- Selectable priority for domestic hot water except **L39-701**
- 30-minute built-in timer prevents house freeze-up except **L39-701**
- Automatic resettable fuse prevents controller overload

Order #	Mfg. #	Model #	Description	Amps	Width	Height	Depth
Zoning with Pump							
L39-701	109424	ZT-1X	1 Zone Relay	15	4-1/4"	5-3/8"	2-5/8"
L39-703	109426	ZT-3	3 Zone w/Priority	20	9-1/4"	7-1/4"	2-3/4"
L39-704	109427	ZT-4	4 Zone w/Priority	30	9-1/4"	7-1/4"	2-3/4"

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AquaSmart Model 7600 Boiler Controls

- Beckett HeatManager™ dynamic temperature reset
- Cycle history diagnostic information
- Reduce inventory through universal design
- Backlit LCD screen with programming touch pad
- Freeze resistance
- Energy saving through circulator hold-on function
- Priority override for domestic hot water
- Self-checking sensor



Order #	Mfg. #	Description
L45-303	7610A0001U	120VAC Burner, AquaSmart Boiler Temp Control
L45-304	7610B0001U	24 VAC Burner, AquaSmart Boiler Temp Control

Order #	Mfg. #	Description
L45-305	7600RMU	48" AquaSmart Remote Mount Kit
L45-306	7600TSU	Replacement Temperature Sensor

HeatManager™ Fuel Economizer

- Adjusts burner firing patterns and average boiler water temperature to match system heat load
- Reduces fuel consumption 10 to 20%
- For use with new or existing residential boilers up to 300,000 Btu
- Compatible with oil, gas and propane burners
- Easy installation; no programming or ongoing maintenance required
- Sensor and wiring connections at the boiler; no outdoor sensor required
- Additional temperature sensor port for supporting a domestic hot water system with tankless coil

Specifications:
- Electrical rating: 24/115/220VAC
- Dimensions: 4" W x 4" H x 2-1/2" D



Order #	Mfg. #	Description
L40-789	7518	Additional Sensor for Tankless Coil Applications

Hydronic Switching Relays

- Provides intermediate switching of a line-voltage device from a low voltage controller
- Integral transformer provides 24VAC power for control circuit
- **L36-918** for switching one line voltage load
- **L36-919** for switching two line voltage loads having a common power source; millivolt rating: 300mA minimum at 750mV; includes auxiliary contacts for switching additional low or millivoltage (Powerpile®) loads; maximum connected load: 2000VA
- **L37-916** provides DPST switching for hot water zone control systems or SPST control of two separate loads; second set of contacts rated for line or low voltage load; maximum connected load: 2000VA

Specifications:
- Resistive rating: 120VAC, 10A; 240VAC, 6A; maximum input 5W
- Maximum ambient temperature: 115°F for 60 Hz, 105°F for 50 Hz



Order #	Mfg. #	Switch Action	Volts	F/L Amps @ 120V	L/R Amps @ 120V	F/L Amps @ 240V	L/R Amps @ 240V
L36-918	RA89A1074	SPST	120	10.2	61.2	5.1	30.6
L36-919	RA832A1066	DPST	120	7.4	44.4	3.7	22.2
L37-916	R845A1030	DPST/SPST	120	7.4	44.4	3.7	22.2

Universal Hydronic Switching Relay

- Replacement relay common to other Honeywell hydronic replacement controls
- Restores intermediate line and low-voltage switching in most oil-fired or gas-fired hydronic heating systems
- Two troubleshooting LEDs; push-to-test button
- Replaceable transformer fuse
- Long-life DC relay drive control technology
- Switching action: two SPST, plus Powerpile® rated low-voltage SPST, max. conn. load: 1500VA
- Use with external 24VAC or 24VDC supply, line-voltage control, or internal 24V transformer
- Model functionally replaces: R182A, B, C, J; R482A, B, C, J; R845A, R882A, B, C, J and RA832A



Order #	Mfg. #	Switch Action	Volts	F/L Amps @ 120V	L/R Amps @ 120V
L38-870	R8845U1003	SPST	120	7.4	44.4

resideo

Hydronic Switching Relay



- Provides switching of a line or low-voltage device from a line or low-voltage controller; typically applied in hydronic heating systems
- Relay for use with external 24VAC or 24VDC supply, with line-voltage control, or with internal 24V transformer supply
- Push-to-test button
- Long-life DC relay drive control technology
- Secondary of transformer protected by replaceable 1A automotive-style fuse

Specifications:
- Electrical ratings: primary voltage 120VAC; contact ratings: 120VAC, 60 Hz, 15A FL, 30A ALR, 2000VA max. on line voltage contacts
- Switching action: SPDT, plus Powerpile® rated low voltage SPST relay
- Ambient temperature: -20°F to +120°F
- Dimensions: 6-1/4" H x 4-7/16" W x 3-1/2" D

Order #	Mfg. #
L40-034	RA889A1001

resideo

Combination Protectorelay And Hydronic Heating Controllers



A



B

- Immersion-type aquastat controller and oil burner primary provide oil-fired hydronic heating system high and low limit/circulator control
- Use in intermittent ignition applications
- Capable of zone control with zone valves
- 45 second safety switch timing with manual reset
- Includes heat-conductive compound
- **L37-825** mounts directly on burner; includes well adapter
- **L39-031** has 5' armored capillary with remote sensor

Specifications:
- Maximum pressure on immersion well: 200 PSI
- High limit: 130°F to 240°F range; 10°F fixed differential; SPST switch
- Low limit/circulation: 110°F to 220°F range; 10°F to 25°F adjusted differential; SPDT switch

Fig.	Order #	Mfg. #	Mounting
A	**L37-825**	R8182D1079	Vertical
B	**L39-031**	R8182H1070	Junction Box

resideo

Multi-Function Aquastat® Controllers



- Used to regulate boiler water temperature in gas or oil-fired hydronic heating systems
- Controller may be mounted in any position; no leveling required
- All adjustments accessible inside front cover
- Push-in terminals for quick connecting
- Single sensing element for easy installation

Specifications:
- Low limit: 110°F to 220°F
- High limit: 130°F to 240°F

Order #	Mfg. #	Application	Switch Action	Diff.
L39-942	L4081A1023	High/Low Limit	SPST	10°F (High); 10 to 25°F (Low)
L39-944	L4081B1096	High Limit and Circulator	SPST	10°F Fixed

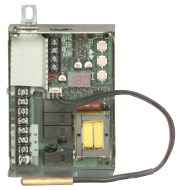
Electrical Ratings

Full Load	Locked Rotor	Millivolt
5.1A @ 240V	30.6A @ 240V	0.25 @ 0.25 to 12VDC

Full Load	Locked Rotor	Millivolt
8.0A @ 120V	48.0A @ 120V	—

resideo

Universal Oil Electronic Aquastat® Controller



- Controls circulator, oil burner and boiler temperature
- LED display shows status and diagnostic information
- EnviraCOM™ compatible for local or remote diagnostics/monitoring
- Replaces L8124A,C, L7124U, L7148A, L7248A,C, L7224A,C, and L8148A controllers

Specifications:
- Operating range (low limit): 110°F to 220°F, 10°F to 25°F adjustable
- Operating range (high limit): 130°F to 240°F, 5°F to 20°F adjustable

Order #	Mfg. #	Mounting	Burner Circuit Type
L40-764	L7224U1002	Well Mount, Horizontal or Vertical Position, or Flush Mounted Remote from the Well	120V

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Triple Aquastat Relays

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- Immersion-type controller combines high limit protection with low limit and circulator control
- Use in forced hydronic systems, including domestic hot water
- All models (except **L39-952**) can provide multi-zone control with a separate circulator and relay for each zone
- **L37-826** and **L39-949** include 3" insertion well
- **L37-826** has 1-1/2" insulation depth; **L39-949** has 3" insulation depth
- **L39-951**, **L39-952** and **L37-827** have large transformers and extra terminals for supplying power to low voltage zone valves

Specifications:
- Low limit: 110°F to 220°F adjustable; 10°F to 25°F adj. diff.
- High limit: 130°F to 240°F adjustable; 10°F fixed differential



Order #	Mfg. #	Mounting	Burner Circuit Type
L37-826	L8124A1007	Vertical	120V
L39-949	L8124A1015	Vertical	120V
L39-950	L8124C1003	Horizontal	120V

Order #	Mfg. #	Mounting	Burner Circuit Type
L39-951	L8124E1016	Horizontal/Vertical	24V
L39-952	L8124G1020	Horizontal/Vertical	120V
L37-827	L8124L1011	Horizontal/Vertical	120V

Aquastat Relays

resideo

- Immersion-type controllers that combine high limit protection with switching relay control of burner and circulator motors
- High limit opens burner circuit only
- Case available for horizontal or vertical mounting
- Requires a 24VAC thermostat with heat anticipator set at 0.2A
- **L37-788** and **L39-035** are for oil boilers and include a well adapter; **L39-036** is for gas boilers and includes a well adapter and Molex plug for use with vent damper
- **L39-953** includes 50VA transformer



Order #	Mfg. #	Mounting	Burner Circuit Type	Temp. Range
L37-788	L8148J1009	Horizontal or Vertical	Millivolt or Low Voltage	140°F to 240°F
L39-035	L8148A1017	Horizontal or Vertical	Line Voltage	140°F to 240°F
L39-036	L8148E1265	Vertical	Low Voltage	180°F to 240°F
L39-953	L8148E1299	Vertical	Low Voltage	180°F to 240°F

Zone Valves with Press Connection

◀ NEW

Honeywell Home

- Consists of an actuator and valve assembly for controlling the flow of hot water
- Complete powerhead may be removed or replaced without breaking plumbing line connections or draining the system
- Actuator motor may be replaced without removing the valve body or draining the system



Order #	Mfg. #	Description	Conn. Size	Volts	Electrical Conn.	Temp. Range	Each
L50-096	V8043A1311/U	1/2" Zone Valve with 18" lead wires	1/2"	24	18" Leads	40° to 200°F	**355.00**
L50-097	V8043A1312/U	3/4" Zone Valve with 18" lead wire	3/4"	24	18" Leads	40° to 200°F	**359.00**
L51-874 ◀	V8043A1612/U	3/4" Zone Valve with (2) 18" lead wires	3/4"	24	2 Wires 18" Leads	40° to 200°F	—
L50-098	V8043A1313/U	1" Zone Valve with 18" lead wires	1"	24	18" Leads	40° to 200°F	**409.00**
L50-099	V8043E1411/U	1/2" Zone Valve with 18" lead wires and End Switch	1/2"	24	18" Leads	40° to 200°F	**365.00**
L50-100	V8043E1412/U	3/4" Zone Valve with 18" lead wires and End Switch	3/4"	24	18" Leads	40° to 200°F	**335.00**
L51-875 ◀	V8043E1712/U	3/4" Zone Valve with (4) 18" leads and End Switch	3/4"	24	4 Wires 18" Leads with End Switch	40° to 200°F	—
L50-101	V8043E1413/U	1" Zone Valve with 18" lead wires and End Switch	1"	24	18" Leads	40° to 200°F	**415.00**
L50-102	V8043F1511/U	1/2" Zone Valve with Terminal Block Connections and End Switch	1/2"	24	Screw terminal block	40° to 200°F	**365.00**
L50-103	V8043F1512/U	3/4" Zone Valve with Terminal Block Connections and End Switch	3/4"	24	Screw terminal block	40° to 200°F	**375.00**
L51-876 ◀	V8043F1812/U	3/4" Zone Valve with Screw Terminals and End Switch	3/4"	24	Screw Terminals with End Switch	40° to 200°F	—

Single Zone Switching Relays

Honeywell Home

- Zoning is an ideal way to help your customers maximize comfort while enjoying energy savings
- Honeywell's Hydronic Zoning Panels feature simplified setup and reduced wiring for quick installation
- Compatible with most thermostats, including power-stealing and electromechanical models
- C-terminal available for every thermostat connection



Order #	Mfg. #	Description	Each
Switching Relays			
L82-128	HPSR101/U	Single Zone Switching Relay	**205.00**
L82-129	HPSR103/U	Three Zone Switching Relay	**505.00**
L82-130	HPSR104/U	Four Zone Switching Relay	**615.00**
L82-131	HPSR106/U	Six Zone Switching Relay	**859.00**
Valve Controllers			
L82-132	HPZC103/U	Three Zone Valve Controller	**405.00**
L82-133	HPZC104/U	Four Zone Valve Controller	**455.00**
L82-134	HPZC105/U	Five Zone Valve Controller	**479.00**
L82-135	HPZC106/U	Six Zone Valve Controller	**589.00**

resideo

AquaReset™



A B

- Quick, easy, consistent installation time - reliable RedLINK wireless communication provides easy installation
- Energy savings while maintaining indoor comfort - maximizes energy savings by decreasing the boiler set-point based on the outdoor temperature
- Reduced boiler standby losses
- Improve boiler system running efficiency
- Reduced equipment cycling for longer equipment life, and more continuous, comfortable space heating
- Built-in diagnostics help ensure proper system operation and efficiency
- Generate additional revenue opportunities for your business by offering real energy savings to your homeowners
- Built-in diagnostics help ensure proper system operation
- Complies with 2012 Department of Energy Standards
- Domestic hot water (DHW) priority available

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Fig.	Order #	Mfg. #	Description
A	**L45-014**	W8735S1000	AquaReset Kit
B	**L47-420**	W8735Y1000	AquaReset Wireless Module and Sensor

resideo

Aquastat® Controller



- Immersion type controller for regulating and limiting the tank temperature in water heaters
- Regulates temperature and provides energy cutoff (ECO) action on a temperature rise past the setpoint
- Includes a second sensing element that senses average water temperature to minimize stacking
- Fluid-filled element operates Micro Switch™ SPST snap-acting switch
- ECO switch interrupts the thermocouple circuit or main valve before tank reaches 210°F maximum temperature
- Includes factory-installed immersion well on controller
- Internal adjustment screw
- Special switch terminal provides three-wire hookup from Aquastat® controller to gas valve

Specifications:
- Electrical rating (full load): 2A maximum 24VAC
- Differential: 5°F fixed (controller); switch: 20°F (energy cutoff)

Order #	Mfg. #	Temp. Range	Capillary Length	Max. Temp.	Pressure Setting
L39-948	L8100B1128	100°F to 180°F; ECO 210°F	39"	200°F (ECO) Energy Cutoff	255 PSI

resideo

Immersion Type Hydronic Controllers



A B

Hazardous Material Shipping Alert

- For high or low limit temperature control of boiler water or liquid in tanks
- Sensing element actuates enclosed snap switch
- Tube of heat-conductive compound (see HC Tube column) included with some models
- **L39-030** for surface mounting; **L39-030** and **L39-939** include bracket for strap-on mounting
- **L39-946** includes remote bulb with 66" capillary

Specifications:
- Copper bulb dimensions: 3/8" diameter x 2-7/8" L
- Case dimensions: 5-5/8" H x 2" W x 2-1/8" D

Fig.	Order #	Mfg. #	Switch Action	Temp. Range	Diff.	Insulation Depth	HC Tube
A	**L39-927**	L4006A1009	SPST, Breaks on Temp. Rise	100°F to 240°F	5°F Fixed	1-1/2"	No
A	**L36-915**	L4006A1017	SPST, Breaks on Temp. Rise	100°F to 240°F	5°F to 30°F Adj.	1-1/2"	No
A	**L39-928**	L4006A1678	SPST, Breaks on Temp. Rise	100°F to 240°F	5°F to 30°F Adj.	3"	Yes
A	**L36-916**	L4006A1959	SPST, Breaks on Temp. Rise	40°F to 180°F	2 Fixed	1-1/2"	Yes
A	**L39-929**	L4006A1967	SPST, Breaks on Temp. Rise	100°F to 240°F	5°F to 30°F Adj.	1-1/2"	No
A	**L39-930**	L4006A2007	SPST, Breaks on Temp. Rise	100°F to 240°F	5°F to 30°F Adj.	3"	No
A	**L39-931**	L4006B1007	SPST, Makes on Temp. Rise	100°F to 240°F	5°F Fixed	1-1/2"	No
A	**L39-932**	L4006B1155	SPST, Makes on Temp. Rise	100°F to 240°F	5°F to 30°F Adj.	3"	Yes
A	**L39-933**	L4006B1163	SPST, Makes on Temp. Rise	100°F to 240°F	5°F to 30°F Adj.	3"	No
A	**L39-029**	L4006E1067	SPST, Breaks on Temp. Rise	130°F to 270°F	Manual Reset	3"	Yes
A	**L39-938**	L4006E1091	SPST, Breaks on Temp. Rise	130°F to 270°F	Manual Reset	3"	No
A	**L39-939**	L4006H1004	SPST, Breaks on Temp. Rise	100°F to 240°F	Manual Reset	3"	Yes
B	**L39-940**	L4008A1015	SPST, Breaks on Temp. Rise	100°F to 240°F	5°F to 30°F Adj.	—	No
B	**L39-941**	L4008E1156	SPST, Breaks on Temp. Rise	130°F to 270°F	Manual Reset	—	Yes
A	**L36-917**	L6006A1145	SPDT	100°F to 240°F	5°F to 30°F Adj.	3"	Yes
A	**L39-030**	L6006C1018	SPDT	65°F to 200°F	5°F to 30°F Adj.	3"	No
A	**L39-945**	L6006A1244	SPDT	100°F to 240°F	5°F to 30°F Adj.	3"	No
B	**L39-946**	L6008A1192	SPDT	100°F to 240°F	5°F to 30°F Adj.	3"	No

Electrical Ratings

	-------F/L Amps-------		-------L/R Amps-------	
Sample	120V	240V	120V	240V
All Models except L36-916	8A	5.1A	48A	30.6A

	-------F/L Amps-------		-------L/R Amps-------	
Sample	120V	240V	120V	240V
L36-916	2.6A	1.3A	15.6A	7.8A

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Immersion Wells

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- For use with Immersion Type Hydronic Controllers from Honeywell
- **L37-829** for use with **L37-826** Triple Aquastat relay



Order #	Mfg. #	Conn. Size	Mounting
L37-828	121371A	1/2" NPT	Well Assembly
L37-829	121371B	3/4" NPT	Well Assembly

Immersion Control

WHITE-RODGERS

- Regulates temperature of any non-corrosive to copper liquid
- 5' armored capillary permits convenient location of the control
- Switch handles all voltages from millivolts to 240VAC; SPST opens on rise
- Temperature range: 100°F to 240°F
- Differential: 5°F



Order #	Mfg. #	Bulb
L36-084	11B06-1	3 1/2 x 7/18"

Immersion Well

WHITE-RODGERS

- 1/2" NPT for use with remote bulb immersion control



Order #	Mfg. #	Conn. Size
L36-156	F89-0036	1/2" NPT

Strap-On Control

WHITE-RODGERS

- Attaches directly to the surface of a pipe for use as a high limit control, low limit control, circulator control or combination low limit and circulator control
- Can be mounted at any angle, no leveling necessary
- Temperature range: 100°F to 240°F



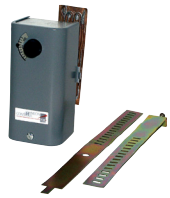
Order #	Mfg. #	Switch Action	Temp. Range	Diff.
L36-087	1127-2	SPDT	100°F - 240°F	Fixed 10°F

Penn Type A19 Strap-On Thermostat

For Control of Hot Water

Johnson Controls

- Strap-on surface type hot water control can be used for direct (open high) or reverse (open low) action
- May be mounted on either horizontal or vertical riser pipe
- Insulated case to minimize effects of ambient temperature (140°F max.)
- Maximum sensing element temperature: 250°F
- Universal shaft kit for concealed knob or slotted shaft applications



Order #	Mfg. #	Switch Action	Temp. Range	Diff.
L36-930	A19DAC-1	SPDT	100°F to 240°F	10°F Fixed

Operating Controls for Hot Water Boilers

Johnson Controls

- Universal replacement control for open high or SPDT applications
- Liquid-filled element provides rapid response to temperature change
- Furnished with a well assembly for 1/2" tapping
- Adjustable differential; temperature range: 100°F to 240°F
- 1/2" connection



A



B

Fig.	Order #	Mfg. #	Diff.	Application	Bulb
A	**L39-481**	A19ABC-11C	6 to 24	Open High	Direct Immersion
B	**L39-482**	A19ABC-12C	6 to 24	Open Low	8' Capillary w/Bulb Well

P/T Plugs

Test Plugs for Pressure or Temperature

- Provides accurate pressure and temperature measurements for a quick, economical method to balance heating and air conditioning systems
- Provides access to system fluid without permanent installation of gauges, valves, thermometers or sampling equipment
- 1/4" or 1/2" NPT brass plugs with Nordel valve cones
- Water temperature to 350°F
- Pressure to 1000 PSI
- Stainless steel plugs for process applications
- BTX extensions for insulated pipe
- Johnstone Supply carries a large selection of pressure gauges and stem thermometers; see index for listings



A



B



C

Fig.	Order #	Mfg. #	Conn. Size	For Use With
A	**L37-381**	PT25	1/4" MPT Plug	Stem Thermometer
A	**L37-382**	PT50	1/2" MPT Plug	Stem Thermometer
B	**L37-383**	GA063S	1/4" FPT Gauge Adapter (Probe)	Pressure Gauge
B	**L39-833**	GA-125	1/4" FPT Gauge Adapter (Heavy Duty Probe)	Pressure Gauge
A	**L39-829**	SSNO-250	1/4" MPT Plug (Stainless Steel)	Stem Thermometer
A	**L39-830**	SSNO-500	1/2" MPT Plug (Stainless Steel)	Stem Thermometer
C	**L39-831**	BTX-250	1/4" x 1-3/4" Brass Plug Extension	—
C	**L39-832**	BTX-500	1/2" x 1-1/4" Brass Plug Extension	—

Water Pressure Test Gauge



- Used to test water supply pressures within a distribution system
- Red indicator hand holds at the highest reading registered for detection of thermal expansion pressure surges
- Black enamel steel case, Kostil Polymer window, 3/4" H.T. hose connection, and copper alloy Bourdon tube sensing element
- Accuracy is ASME, Type B

Order #	Mfg. #	Description	PSI	Conn.
L46-625	0069721	Pressure Gauge	0 - 300	3/4" H.T. hose connection

Standard Gauges



- General purpose 2" steel case gauge for pressure measurement
- Suited for use with water, oil, air, gas or other media that will not attack brass or bronze
- Utilizes a copper alloy bourdon tube
- Brass socket and tip
- Case is drawn steel, pretreated for rust resistance
- Lower stem mount and center back connection in 1/8" and 1/4" NPT

Specifications:

- Accuracy: A.N.S.I. B40.1 grade B; ±3-2-3% of range across scale
- Pressure range: 30 to 300 PSI
- Temperature limits: ambient temperature and temperature of operating medium should not exceed 160°F; install a protective siphon in steam applications
- Minimum temperature: -40°F

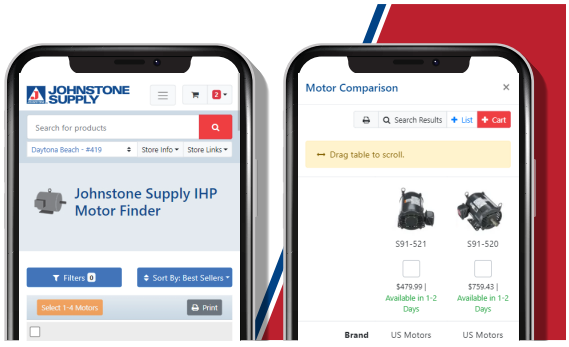
Order #	Mfg. #	PSI	Conn.	Each
L38-159	TL20-030-8L	0 to 30	1/8" NPT, Bottom	**32.99**
L38-160	TL20-030-4L	0 to 30	1/4" NPT, Bottom	**32.99**
L38-161	TL20-030-8B	0 to 30	1/8" NPT, Back	**34.49**
L38-162	TL20-030-4B	0 to 30	1/4" NPT, Back	**34.49**
L38-163	TL20-060-8L	0 to 60	1/8" NPT, Bottom	**32.99**
L38-164	TL20-060-4L	0 to 60	1/4" NPT, Bottom	**32.99**
L38-165	TL20-060-8B	0 to 60	1/8" NPT, Back	**34.49**

Order #	Mfg. #	PSI	Conn.	Each
L38-166	TL20-060-4B	0 to 60	1/4" NPT, Back	**34.49**
L38-167	TL20-100-8L	0 to 100	1/8" NPT, Bottom	**32.99**
L38-168	TL20-100-4L	0 to 100	1/4" NPT, Bottom	**32.99**
L38-169	TL20-100-8B	0 to 100	1/8" NPT, Back	**34.49**
L38-170	TL20-100-4B	0 to 100	1/4" NPT, Back	**34.49**
L38-171	TL20-200-4L	0 to 200	1/4" NPT, Bottom	**34.49**
L38-172	TL20-300-4L	0 to 300	1/4" NPT, Bottom	**34.49**

MOTOR FINDER

Find the Right Commercial IHP Motor and Save Time

JohnstoneSupply.com/Motor-Finder-Info
Must be logged into JohnstoneSupply.com to access



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Liquid-Filled Severe Service Gauges

- Liquid-filled severe service gauges are designed to perform in rugged applications and harsh environmental conditions, especially where pulsation and vibration are a problem
- Liquid-filled gauges offer a significant cushioning and dampening effect, reducing pointer flutter and internal gauge damage
- Lower stem mount in 1/4" NPT
- Stainless steel case with crimped front ring
- Hermetically sealed and glycerin-filled
- Brass socket with phosphor bronze bourdon tubes

Specifications:
- Accuracy: 2-1/2" gauges are A.N.S.I. grade B; ±1.6% of range across middle half of scale, 4" gauges are A.N.S.I. grade A; ±1% of range across middle half of scale
- Temperature limits: ambient temperature and temperature of operating medium should not exceed 150°F; for higher temperatures other fill mediums are available



Order #	Mfg. #	Type	Range	Each
L38-637	LF251-VAC-4L	2-1/2" Round	0 to 30" Hg/Bar (Vacuum)	**69.00**
L38-639	LF251-015-4L	2-1/2" Round	0 to 15 PSI/Bar	**69.00**
L38-640	LF251-030-4L	2-1/2" Round	0 to 30 PSI/Bar	**69.00**
L38-641	LF251-060-4L	2-1/2" Round	0 to 60 PSI/Bar	**69.00**
L38-642	LF251-100-4L	2-1/2" Round	0 to 100 PSI/Bar	**69.00**
L38-643	LF251-160-4L	2-1/2" Round	0 to 160 PSI/Bar	**69.00**
L38-644	LF251-200-4L	2-1/2" Round	0 to 200 PSI/Bar	**69.00**
L38-645	LF251-300-4L	2-1/2" Round	0 to 300 PSI/Bar	**69.00**
L38-646	LF251-400-4L	2-1/2" Round	0 to 400 PSI/Bar	**69.00**
L38-647	LF251-600-4L	2-1/2" Round	0 to 600 PSI/Bar	**69.00**

Order #	Mfg. #	Type	Range	Each
L47-697	LF441-VAC-4L	4" Round	0 to 30" Hg/Bar (Vacuum)	**139.00**
L47-698	LF441-015-4L	4" Round	0 to 15 PSI/Bar	**139.00**
L47-699	LF441-030-4L	4" Round	0 to 30 PSI/Bar	**139.00**
L47-700	LF441-060-4L	4" Round	0 to 60 PSI/Bar	**139.00**
L47-701	LF441-100-4L	4" Round	0 to 100 PSI/Bar	**139.00**
L47-702	LF441-160-4L	4" Round	0 to 160 PSI/Bar	**139.00**
L47-703	LF441-200-4L	4" Round	0 to 200 PSI/Bar	**139.00**
L47-704	LF441-300-4L	4" Round	0 to 300 PSI/Bar	**139.00**
L47-705	LF441-400-4L	4" Round	0 to 400 PSI/Bar	**139.00**
L47-706	LF441-600-4L	4" Round	0 to 600 PSI/Bar	**139.00**

Tri-O-Meter Boiler Gauges

- Specifically designed for hot water heating system boilers
- Indicates water pressure in PSI and kPA, and temperature in °F and °C
- Available in both bottom mount and back mount square and round styles

Specifications:
- Temperature range: 60°F to 260°F
- Pressure accuracy: ±3-2-3% full scale per A.N.S.I. B40.1 grade B
- Temperature accuracy: ±3% full scale per A.N.S.I. B40.1 grade B



A



B

Fig.	Order #	Mfg. #	Type	PSI	Conn.	Each
A	**L39-654**	CTP25RX	2.5" Round	0 to 75	1/4" NPT, Back w/2" Extension	**65.00**
A	**L39-655**	CTP25R	2.5" Round	0 to 75	1/4" NPT, Back	**65.00**
B	**L39-656**	CTP40RSX	4.0" Square	0 to 75	1/2" NPT, Back	**95.00**
B	**L39-657**	CTP40L	4.0" Square	0 to 75	1/2" NPT, Bottom	**115.00**

Commercial Pressure Gauges

- 4-1/2" stainless steel case gauge designed for heating, cooling and A/C applications
- Lower stem mount in 1/4" NPT
- Brass socket with phosphor bronze bourdon tubes
- A.N.S.I. grade 1A; ±1% full scale accuracy



Order #	Mfg. #	PSI	Each
L41-715	4CTS-030	0 to 30	**75.00**
L41-716	4CTS-060	0 to 60	**75.00**
L41-717	4CTS-100	0 to 100	**75.00**

Order #	Mfg. #	PSI	Each
L41-718	4CTS-160	0 to 160	**75.00**
L41-719	4CTS-200	0 to 200	**75.00**

Hot Water Bi-Metal Dial Thermometer

- Ideal for general heating applications including small pipelines
- 2-1/2" dial size with both °F/°C
- Measures 32°F to 250°F
- Center back connection in 1/2" NPT



Order #	Mfg. #	Each
L41-720	HWBM25	**34.99**

1/2" Lead-Free Bimetal Thermometer

Temperature Gauge

- Used in commercial, residential, and institutional HVAC applications
- Featuers zinc plated steel case, Kostil Polymer window, 1/2" NPT lead free brass thermowell with set screw, and bimetal spiral spring sensing element
- Center back entry
- 2-1/2" dial
- 32° to 248° F
- 2" probe



Order #	Mfg. #	Description	PSI	Conn.	Length	Temp. Range
R56-897	0121668	Temperature Gauge	1 - 300	1/2" NPT	2"	32°-248° F

Industrial Glass Vari-Angle® Thermometers



- 9" scale thermometer molded of GE Valox® polyester, in black textured finish
- 3-1/2" and 6" stems are ideal for pipeline applications for chilled and hot water installations
- Heavy glass protected front, blue liquid filled
- Scale has both °F and °C
- Uses include tanks, pipelines and boilers
- Thermowells required for new installations

Order #	Mfg. #	Length	Temp. Range	Each
L87-240	9VU35-120	3-1/2"	0°F to 120°F	**125.00**
L87-241	9VU35-180	3-1/2"	30°F to 180°F	**125.00**
L87-242	9VU35-240	3-1/2"	30°F to 240°F	**125.00**
L87-243	9VU6-120	6"	0°F to 120°F	**159.00**
L87-244	9VU6-240	6"	30°F to 240°F	**159.00**

Digital Vari-Angle® Thermometers



- Easy and modern replacement for industrial glass thermometers
- Measures -50°F to +300°F (-45°C to +150°C), °F/°C selectable
- LCD display updates every 10 seconds
- Casing is made of high-impact ABS
- Thermowells required for new installations

Order #	Mfg. #	Description	Each
L87-245	DVU35	3-1/2" Stem	**165.00**
L87-246	DVU6	6" Stem	**195.00**

Accessories for Industrial Glass and Digital Vari-Angle® Thermometers



Order #	Mfg. #	Description	Each
L41-713	E35-75BS	Thermowell, 3/4" NPT 3-1/2" Brass Socket	**31.99**
L41-714	ER6-75BS	Thermowell, 3/4" NPT 6" Brass Socket	**59.00**

Pressuretrol Controllers for Steam Boilers



- Pressure actuated high limit
- Sensitive pressure actuated diaphragm expands or contracts with pressure variations, moving lever mechanism operating snap switch
- For use in 24, 120, 240 or 277V control circuits or in self-powered (millivoltage) applications
- **L39-957** and **L39-044** are safety controls for steam heating boilers and break an electrical circuit to shut down the burner if steam pressure rises above a safe level
- **L39-958** is a fan control for suspension-type unit heaters and makes a fan circuit when pressure rise indicates presence of steam

Specifications:

- Maximum operating pressure rating: 20 PSI; ambient temperature rating: 150°F
- Dimensions (case): 4-15/32" H x 3-3/8" W x 2-1/4" D

Order #	Mfg. #	Pressure Range PSIG	Diff. PSIG
L39-957	PA404A1025	3-15	Subtractive: 1-5
L39-044	PA404A1033	0.5-9	Additive: 1-5

Order #	Mfg. #	Pressure Range PSIG	Diff. PSIG
L39-958	PA404B1023	0.5-9	Additive: 1-5

VXT Automatic Water Feeders

For Steam Boilers



- Automatically maintains safe boiler water level and monitors make-up water additions
- Works with all probe and float-type low water cut-offs
- Digital feed counter displays amount of water added to boiler and helps diagnose water loss problems
- Programmable feed delay helps prevent flooded boilers, with six programmable feed settings
- Features manual feed button, underfeed protection, lockout flood protection, and on-board diagnostics

Order #	Mfg. #	Model #	Volts
L42-938	45-026	VXT-24	24

Order #	Mfg. #	Model #	Volts
L42-939	45-122	VXT-120	120

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Water Feeders For Steam Boilers

Uni-Match® Electric

McDonnell & Miller a xylem brand

- For low pressure steam boilers up to 1,000,000 BtuH
- Three position slide switch allows timing to be matched to most major low water cut-off manufacturers
- Field adaptable flow rate — 1, 2 or 4 GPM
- Universal design; manual feed button
- Easy to clean strainer
- Can be used with mechanical or electronic water cut-off controls
- Includes 3/8" x 1/2" sweat adapters for quick installation with copper tubing

Specifications:
- Maximum water temperature: 175°F
- Maximum ambient temperature: 100°F
- Maximum water pressure: 150 PSI
- Maximum boiler pressure: 15 PSI



Order #	Mfg. #	Model #	Volts
L38-789	169550	WF-2-U-24	24
L38-790	169560	WF-2-U-120	120

Water Feeders For Steam Boilers

McDonnell & Miller a xylem brand

- For low pressure steam boilers with cold water feed
- Can be used with mechanical or electronic low water cut-off controls
- Quick-change replaceable cartridge valve and strainer
- Manual feed button
- **L38-766** features a 120VAC solenoid
- **L38-767** features a 24VAC solenoid and a separate 50VA transformer

Specifications:
- Maximum water pressure: 150 PSI
- Maximum boiler pressure: 25 PSI
- Maximum water temperature: 175°F
- Maximum power consumption: 40 watts



Order #	Mfg. #	Model #	Volts
L38-766	169400	101A	120
L38-767	169500	101A-24	24

Boiler-Water Feeder Cut-Off Combination

McDonnell & Miller a xylem brand

- For closed, hand fired steam heating system boilers up to 5,000 sq. ft. capacity
- Has time-saving quick hook-up fitting for installation in gauge glass tappings with 1/2" connections
- Self-closing blow-off valve without cut-off switch
- Maximum boiler pressure: 25 PSI
- Maximum water supply pressure: 150 PSI



Order #	Mfg. #	Model #
L86-137	132800	47-2

Replacement Valve And Strainer

McDonnell & Miller a xylem brand

- Replacement valve, cartridge and strainer assembly kit for series 47 (**L86-137**), 247 and 847 low water cut-off assemblies



Order #	Mfg. #	Model #
L38-786	341600	SA47-101-102

Replacement Blow-Down Valve

McDonnell & Miller a xylem brand

- Replacement boiler control blow-down valve for McDonnell & Miller series 47 (**L86-137**), 67 (**L37-423**) and 70 low water cut-offs
- Maximum pressure: 30 PSI
- Gasket and mounting screws included



Order #	Mfg. #
L38-713	14-B

Low Water Cut-Off For Steam Boilers

McDonnell & Miller a xylem brand

- For low pressure steam boilers of any size
- Float-actuated electrical switch used to protect boilers against the hazard of a low water condition
- Quick hook-up fitting for installation in gauge glass tappings
- Has large area self-closing blow-off valve
- Adjustable conduit outlet
- 1/4" NPT pressure control tapping
- Maximum steam pressure: 20 PSI
- Electrical ratings: 120VAC — maximum FLA 7.4; maximum LRA 44.4; 240VAC — maximum FLA 3.7; maximum LRA 22.2
- Pilot duty: 120/240VAC, 125VA



Order #	Mfg. #	Model #
L37-423	149400	67

McDonnell & Miller
a xylem brand



Replacement Head Mechanism

For Low Water Cut-Offs

- Replacement head mechanism for series 67 (**L37-423**), 69 (**L38-768**, **L38-769**), 70 and 767 low water cut-offs

Order #	Mfg. #	Model #
L38-773	153825	6667

McDonnell & Miller
a xylem brand



Low Water Cut-Offs For Steam Boilers

Electric

- For residential and commercial low pressure steam boilers
- Mounts in 2-1/2" NPT boiler side tappings
- Packless bellows
- Adjustable BX outlet for easy installation
- Dual precision switches for operation of the low water cut-off and an alarm or an electric water feeder

Specifications:

- Maximum steam pressure: 20 PSI

Order #	Mfg. #	Model #	Insertion Length	Volts
L38-768	155300	369	1-3/4"	120
L38-769	155500	469	1-3/16"	120

McDonnell & Miller
a xylem brand



A



B

Low Water Cut-Offs For Steam Boilers

Electric

- For residential and commercial applications
- Green LED multi-function test light
- Red LED low water indicator light
- Shorted probe indication
- No blow-down required when mounted directly to boiler trappings
- 24V meets ANSI specification Z21.13a
- No lockout with loss of power if probe is in water
- Increased probe sensitivity prevents nuisance shutdowns, and a new test feature diagnoses shorted probe problems at installation
- **L46-640** and **L46-639** have manual resets

Specifications:

- Maximum ambient temperature: 120°F
- Maximum water temperature: 250°F
- Maximum steam pressure: 15 PSI
- Voltage across probe to ground: 14VAC
- Power consumption: 1.7 VA @ 24 VAC, 3.6 VA @ 124 VAC
- Probe sensitivity: 7,000 ohms

Note: Model PS804 with foam compensator also available at your local Johnstone Supply location by special order

Fig.	Order #	Mfg. #	Model #	Reset Type	Volts
—	**L46-639**	153601	PSE-801-M-120	Manual	120
—	**L46-640**	153602	PSE-802-M-24	Manual	24
A	**L46-820**	153827	PSE-801-120	—	120
B	**L46-821**	153927	PSE-802-24	—	24

McDonnell & Miller
a xylem brand



Replacement Probe

For Boiler Controls

Order #	Mfg. #	Model #	For Use With
L46-638	354140	PA-800-RX2	PS-802-RX2-24, PS-851-RX2-120, PS-801-RX2-24

McDonnell & Miller
a xylem brand



No. 11 Switch

- For series 61, 64, 67 (**L37-423**), 69 (**L38-768**, **L38-769**), 70, 764 and 767 low water cut-off switch replacement
- Two single-pole, single throw switches provided to control the water feeder and the low water cut-off

Order #	Mfg. #	Model #	Description	Volts
L38-776	309100	11	Low Water Cut-Off Switch	120/240

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Low Water Cut-Off And Pump Controller

McDonnell & Miller a xylem brand

- For boilers of any size with separate water columns
- Designed for high pressure, high temperature service
- Float-actuated electrical switch controls boiler feed pump directly from the boiler water level
- Keeps boiler water level within the limits recommended for maximum steaming efficiency and fuel economy
- Includes a second switch, operating at a lower level, which provides a circuit for stopping the automatic burner and sounds an alarm
- Snap switch
- Can also be used as a cut-off and alarm on many high pressure hot water space heating boilers
- 1" NPT connections
- Maximum pressure: 150 PSI boiler
- Electrical ratings for pump and cut-off circuits: 120VAC — maximum F/L amps 7.4; maximum L/R amps 44.4; 240VAC — maximum F/L amps 3.7; maximum L/R amps 22.2; 120VDC — maximum F/L amps 2.4; maximum L/R amps 24.0; 240VDC — maximum F/L amps 1.2; maximum L/R amps 12.0
- Amp rating for alarm circuit: 120VAC — 1A; 240VAC — 1/2A; 120VDC — 1/2A; 240VDC — 1/4A circuit
- Pilot duty service: 120/240VAC, 345VA



Order #	Mfg. #	Model #
L86-136	171702	150S

Replacement Head Mechanism

McDonnell & Miller a xylem brand

- For low water cut-offs



Order #	Mfg. #	Model #	For Use With
L86-155	173003	150S-HD	L86-136 (# 150S)

Low Water Cut-Offs for Steam Boilers

Electric with Manual Reset and Test Switch

McDonnell & Miller a xylem brand GUARDDOG

- For commercial and industrial secondary low water protection
- Electronic circuitry with remote conductance probe
- LED low water indicator light
- No lockout with loss of power if probe is in water
- Meets ASME Code CSD-1 requirements
- Remote sensor **L38-783** includes probe, **L38-784** probe sold separately
- **L40-233** includes PA-800 probe

Specifications:

- Maximum ambient temperature: 120°F
- Voltage across probe to ground: 14VAC
- Maximum remote sensor water temperature: **L38-783** — 250°F; **L38-784** — 406°F
- Maximum remote sensor steam pressure: **L38-783** — 15 PSI; **L38-784** — 250 PSI



A



B



C



D

Fig.	Order #	Mfg. #	Model #	Description	Volts
A	**L38-772**	176207	—	—	—
B	**L40-233**	176234	750P-MT-120	Control with PA-800 Probe	120/240

Fig.	Order #	Mfg. #	Model #	Description	Volts
C	**L38-783**	176203	RS-1-LP	Remote Sensor	120/240
D	**L38-784**	179524	RS-1-BR-1	Remote Sensor	120/240

Low Water Cut-Off For Steam Boilers

Float Type

McDonnell & Miller a xylem brand

- For residential, commercial and industrial boilers of any steaming capacity
- 1" NPT equalizing pipes required
- Packless bellows
- Adjustable BX outlet for easy installation
- Dual precision switches for operation of the low water cut-off and an alarm or an electric water feeder
- Optional manual reset available at participating Johnstone Supply Stores or by special order

Specifications:

- Maximum boiler pressure: 50 PSI



Order #	Mfg. #	Model #	Volts
L38-770	143600	64	120

McDonnell & Miller
a xylem brand



Gaskets

- Various gaskets for use with McDonnell & Miller

Order #	Mfg. #	Description	Pkg. Qty.	For Use With
L50-828	323400	Head Gasket (92-68)	10	94 Series
L50-829	324500	Ring Seal (37-101)	5	New Type Misc. Valve & Strainer Assemblies (47, 51, 53, 101A, 551-S, 847, 851)
L50-830	304200	Head Gasket (F-26)	10	25A, 51, 51-S, 53, 221, 551-S, 3155
L50-831	314100	Valve Gasket (37-28)	5	Products: 21 & 25, Series: 3155, 515, 53
L50-832	313300	Gasket (37-39)	10	Blow-Off Valve 14B, 47, 67, 70B
L50-833	325700	Flat Flange Gasket (150-14)	10	150 Series
L46-252	318826	Head Gasket	1	69 Series
L50-834	313900	Valve Bracket Gasket (37-27)	5	47, 51, 51-S, 53, 247, 551-S, 847, 851, 851-S, 3155
L50-835	318900	Bellows Flange Gasket (67-12)	10	61, 64, 67, 69, 70, 70B, 767
L46-254	310800	Valve Body Gasket (21-12)	1	21 Series
L50-836	303600	Bellows Base Gasket (CO-11)	5	63
L50-837	325600	Raised Flange Gasket (150-14H)	25	150 & 93 Series
L50-838	336500	Head Gasket (847-26)	5	21, 847, 851, 851-S
L50-839	312200	Valve Bracket Gasket (21-27)	5	21, 25A, 27W
L50-840	313800	Body Gasket (37-26)	10	47, 247
L50-841	302700	Head Gasket (CO-12)	25	42, 61, 63, 64, 65
L46-263	318827	Bellows Base Gasket	1	69 Series

McDonnell & Miller
a xylem brand



Combination Low Water Cut-Off/Mechanical Water Feeder

For Low Pressure Steam and Hot Water Boilers

- For systems larger than 5,000 sq. ft. capacity with cold water feed
- Includes No. 2 cut-off switch (**L38-774**)

Specifications:
- Maximum water supply pressure: 150 PSI
- Maximum pressure: 35 PSI

Order #	Mfg. #	Model #	Volts
L86-351	135000	51-2	120/240

HYDROLEVEL COMPANY



CycleGard Low Water Cut-Offs

For Steam Boilers

- Mounts directly to boiler and monitors water level in low pressure steam boilers
- Allows boiler to operate continuously as long as water remains in contact with probe
- 15-second delay feature prevents burner from short cycling during temporary low water levels
- Control delays 30 seconds before restarting when water level is restored, allowing optional water feeder to raise water to normal operating level
- Recommended for boilers with tankless coils

Order #	Mfg. #	Model #	Volts
L42-936	45-410-2090	CG400-2090	24

Order #	Mfg. #	Model #	Volts
L42-937	45-460-1560	CG450-1560	120

McDonnell & Miller
a xylem brand



Low Water Cut-Off For Water Boilers

- For hot water boilers of any size, including steam
- Protects against low water conditions with circuit for low water alarm
- Manual reset
- Designed with 1" NPT equalizing pipes
- Maximum boiler pressure: 50 PSI
- 120VAC — maximum F/L amps 10.2; maximum L/R amps 61.2; 240VAC — maximum F/L amps 5.1; maximum L/R amps 30.6
- Pilot duty: 120/240VAC, 60 Hz, 125VA; 115VDC, 0.5A

Order #	Mfg. #	Model #
L86-135	143100	63-M

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No. 2 Switches

- For series 47, 247, 51, 51S, 53, 63 and 847 water feeders to add low water cut-off function
- Provides flexibility for selection of functions desired
- **L38-775** has manual reset



Order #	Mfg. #	Model #	Description	Volts
L38-774	110000	2	Low Water Cut-Off Switch	120/240
L38-775	110100	2M	Low Water Cut-Off Switch	120/240

Low Water Cut-Off For Hot Water Boilers

Electric

- For residential and, where codes allow, commercial applications
- Electro-mechanical operation
- Automatic reset
- No blow-down required

Specifications:
- Maximum ambient temperature: 120°F
- Maximum water temperature: 250°F
- Maximum water pressure: 160 PSI
- Voltage across probe to ground: 125VAC
- Power consumption: 15VA
- Probe sensitivity: 6,000 ohms



A B

Fig.	Order #	Mfg. #	Model #	Volts	For Use With
A	**L38-788**	144676	RB-122	120VAC	—
Replacement Probe					
B	**L41-531**	354083	PA-RB-122	—	RB-122

Low Water Cut-Off for Hot Water Boilers

Electric

- For residential applications
- Automatic reset resumes operation after a power outage
- LED for power to the unit and presence of water in the boiler



Order #	Mfg. #	Model #	Volts
L38-787	144701	RB-24SE	24

Universal Wire Harness Kits

For Atmospheric and Sealed Combustion Boilers

- Used with all RB-24s (sold separately)
- **L41-528** used in most 24-volt “atmospheric” hot water boiler applications that use 6-pin aquastats or vent damper
- **L41-529** used in 24-volt “sealed combustion” hot water boiler applications
- Both harness kits consist of three Molex wiring harnesses; a common “connector cable” and two “Y” harnesses



A B

Fig.	Order #	Mfg. #	Model #	Volts
A	**L41-528**	144681	UWH-RB-24-A	24

Fig.	Order #	Mfg. #	Model #	Volts
B	**L41-529**	144682	UWH-RB-24-S	24

SafGard Low Water Cut-Offs

For Hot Water Boilers

- Automatically shuts off burner in a low water condition to prevent boiler damage
- Heavy-duty electro-mechanical design for long life
- Low maintenance, no moving parts to wear or stick
- Auto reset feature automatically re-energizes circuit upon return to safe water level
- Manual reset feature requires manual reset if low water condition exists for 30 seconds or longer
- Test button allows operator to test control operation without lowering water level
- **L42-929** and **L42-932** are equipped with shorter probe for mounting in standard reducing tees
- **L42-931** and **L42-935** are compact models for applications with space limitations



A B C D

Fig.	Order #	Mfg. #	Model #	Reset Type	Volts
A	**L42-929**	45-245	24SV	Auto Reset	24
B	**L42-930**	45-750	750	Manual Reset	120
C	**L42-931**	45-1100	1100	Auto Reset w/ Test Button	24
—	**L49-050**	45-1100M	1100M	Auto Reset w/ Test Button	24
A	**L42-932**	45-175	170SV	Auto Reset	120
B	**L42-933**	45-550	550	Manual Reset w/ Test Button	120
B	**L42-934**	45-650	650	Auto Reset w/ Test Button	120
D	**L42-935**	45-1150	1150	Auto Reset w/ Test Button	120

McDonnell & Miller
a xylem brand

Test-N-Check® Valves

For Hot Water Boilers



- Simplifies ASME CSD-1a code mandated testing of low water cut-offs by eliminating the need to drain the system
- Includes one upper and one lower valve for mounting at crosses in equalizing lines
- Restricts water flow when the low water cut-off blow-down valve is open
- Adjustable built-in vacuum breaker in upper valve provides rapid evacuation of water from the float chamber

Specifications:
- Maximum temperature: 250°F
- Maximum pressure: 160 PSI

Order #	Mfg. #	Model #	Conn. Size
L38-771	195000	TC-4	1" NPT

Beacon Morris Twin-Flo III

Kickspace Heaters

Ideal for Limited Space Installations



- Space saving design for installation in cabinets, between floor joists, foyers, bathrooms, basements, under stair risers, windows and other limited space areas
- Installation kits for locations other than under a cabinet purchased separately
- Installation kits include all hardware needed to install heater
- Recessed kits fit into wall recesses; the smaller **N87-172** kit fits between 16" center studs
- Surface kits install quickly and directly into wall surface
- Floor kits install easily between standard floor joists; grille provides forward or rear directional air flow
- Works with existing hot water heater or boiler
- Quiet operation
- Fins are mechanically bonded to coil to enhance heat transfer
- Supply and return connections are 1/2" nominal
- 110V

Order #	Mfg. #	Description	Width	Height	Depth	Wt. Lbs.	Heating Capacity 1 GPM @ 180°F
Heaters							
N87-159	K42	Kickspace Heater	12-1/4"	3-7/8"	12-3/4"	9	4,278
N87-160	K84	Kickspace Heater	19-1/4"	3-7/8"	12-3/4"	13	8,460
N87-171	K120	Kickspace Heater	19-1/4"	3-7/8"	12-3/4"	14	11,585
Installation Kits (Heaters Not Included)							
N87-172	W42	Recessed Wall Kit for N87-159 Heater	16"	25"	4"	15	—
N87-173	W84	Recessed Wall Kit for N87-160 Heater	23"	25"	4"	21	—
N87-174	W120	Recessed Wall Kit for N87-171 Heater	23"	25"	4"	23	—
N87-175	F42	Surface Wall Kit for N87-159 Heater	18-3/32"	24"	4-3/8"	15	—
N87-176	F84	Surface Wall Kit for N87-160 Heater	22-3/32"	24"	4-3/8"	17	—
N87-177	F120	Surface Wall Kit for N87-171 Heater	22-3/32"	24"	4-3/8"	18	—
N87-178	FK42	Floor Kit for N87-159 Heater	14-15/32"	11"	14-15/32"	25	—
N87-179	FK84	Floor Kit for N87-160 Heater	23-29/32"	11"	14-15/32"	21	—
N87-180	FK120	Floor Kit for N87-171 Heater	23-29/32"	11"	14-15/32"	21	—

HEATRIM AMERICAN

Hydronic Baseboard Heaters

Model R, 3/4" Copper Tube



- Enclosure and back panel are of one-piece steel construction
- Snap-in brackets are die-formed one-piece heavy gauge rust resistant galvanized steel
- Flat dent-resistant front panel snaps onto brackets either way — no top or bottom edge
- Air intake space for unrestricted air circulation
- Pivot mounted damper for easy opening and closing
- Silent slide shoe made of heat resistant nylon
- Stands 7-7/16" high and extends only 2-7/8" into the room when set flush against wall
- Each assembly includes: one length each front and back panel, damper, support brackets, slide cradles and 3/4" element; joining piece sets included with lengths of 5', 6' and 8'
- Return pipe into enclosure with use of supply tube support hanger
- White prime coat

Order #	Mfg. #	Length	Width	Height	Wt. Lbs.	Heating Capacity 1 GPM @ 180°F
N98-059	RB-750-A3	3'	2-7/8"	7-7/16"	7	560
N98-060	RB-750-A4	4'	2-7/8"	7-7/16"	9	560
N98-061	RB-750-A5	5'	2-7/8"	7-7/16"	12	560

Order #	Mfg. #	Length	Width	Height	Wt. Lbs.	Heating Capacity 1 GPM @ 180°F
N98-062	RB-750-A6	6'	2-7/8"	7-7/16"	13	560
N98-063	RB-750-A7	7'	2-7/8"	7-7/16"	16	560
N98-064	RB-750-A8	8'	2-7/8"	7-7/16"	18	560

Ratings For 3' Through 8' Baseboard

				Hot Water Btu / Hr. / Lin. Ft.								
Water Rate GPM	Water Flow Rate Lbs./Hr.	Element Size	Pressure Drop	140°F	150°F	160°F	170°F	180°F	190°F	200°F	210°F	220°F
4	2,000	3/4"	525	330	390	450	530	590	670	730	800	870
1	500	3/4"	47	310	370	430	500	560	630	690	760	820

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Hydronic Baseboard Installation Accessories

HEATRIM AMERICAN

- For use when installing Heatrim American® hydronic baseboards


A


B


C


D

Fig.	Order #	Mfg. #	Description
A	**N45-155**	RA-ECR-03	3" End Cap, Right Hand
—	**N45-156**	RA-ECL-03	3" End Cap, Left Hand
B	**N45-157**	RB-ICF-90	90° Hinged Inside Corner, Top & Front
—	**N45-159**	RB-ICF-45	135° Hinged Inside Corner, Top & Front
—	**N45-158**	RA-ICB-90	90° Inside Corner Back Piece
—	**N45-160**	RA-ICB-45	135° Inside Corner Back Piece
C	**N45-161**	RA-OCF-90	90° Outside Corner
—	**N45-162**	RA-OCF-45	135° Outside Corner
D	**N45-163**	RB-JPS-02	Joiner Piece Set (3 Pieces)

Hydronic Electric Baseboard Heaters

TPI Corporation

- Hydronic element retains heat after the thermostat is turned off
- Low-profile design and three-inch depth allows heater to mount flush on wall and flat on floor
- No-maintenance sealed system requires no filling or replacement
- Liquid solution is permanently sealed



Order #	Mfg. #	Length	Amps	BtuH	Volts	Watts
N98-127	E3904-28	28"	3.3	1,360	120	400
N98-132	H3904-28	28"	1.6/1.4	1,360	240/208	400/300
N98-128	E3906-36	36"	5.0	2,048	120	600
N98-133	H3906-36	36"	2.5/2.2	2,048	240/208	600/450
N98-129	E3910-48	48"	8.3	3,413	120	1,000
N98-134	H3910-48	48"	4.2/3.6	3,413	240/208	1,000/750
N98-130	E3912-60	60"	10.4	4,265	120	1,250
N98-135	H3912-60	60"	5.2/4.5	4,265	240/208	1,250/938
N98-131	E3915-72	72"	12.5	5,100	120	1,500
N98-136	H3915-72	72"	6.3/5.4	5,100	240/208	1,500/1,125
N98-137	H3920-96	96"	8.3/7.2	6,826	240/208	2,000/1,500

Raywall Hydronic Baseboard Heater Thermostats

TPI Corporation

- Thermostats are equipped with tamper-proof plug button
- Temperature range 50° to 90°F



Order #	Mfg. #	Description	F/L Amps @ 120V	Amps @ 277V	Phase
N45-200	3900T1	Single Pole	22	18	1-Phase
N45-201	3900T2	Double Pole	22	18	2-Phase

Submersible Sump Pumps

Little GIANT

- PSC motor with thermal overload protection
- 1-1/2" NPT discharge
- Epoxy coated cast iron housings with polypropylene base
- UL, CSA approved
- Three-conductor UL listed cord with three-prong molded plug
- 115V, 6A


A


B

Fig.	Order #	Mfg. #	HP	Type	Cord Length	Solid Capability	GPH @ 5'	GPH @ 10'	GPH @ 15'	Wt. Lbs.	Each
A	**B80-979**	506807	1/3	Auto	10'	1/2"	3,000	2,520	1,620	27	**455.00**
B	**B81-015**	506801	1/3	Manual	10'	1/2"	3,000	2,520	1,620	26	**579.00**

Cast Iron Sump Pump



- Cast iron pump housing with protective epoxy coating for corrosion resistance
- Stainless steel screws, bolts and handle protect against corrosion
- Bearings: upper and lower sintered sleeve bearings for extended motor life

Order #	Mfg. #	HP	Volts	Amps	Watts	Shutoff	GPM @ 5'	GPM @ 10'	GPM @ 15'	Wt. Lbs.	Each
W89-401	506158	1/3	115	9	720	18	46	29	12.5	18	**549.00**

Piggyback Mechanical Float Switch



- Converts manual pump to automatic
- Rated to 13 amps or less
- 3-prong piggy-back style plug with 10’ cord
- 115V, UL and CSA listing

Order #	Mfg. #	Each
W69-744	599118	**155.00**

Liquid Level Controls



- Pressure actuated remote switches convert any manual pump to automatic operation
- Attached easily to the back of the **B81-121** Water Wizard pump

Order #	Mfg. #	Cord Length	Off Depth	On Depth	Volts	HP	Each
G22-965	599008	10'	1" – 4"	7" – 10"	115	1/2	**225.00**
G31-755	599014	18'	1-3/4" ± 1/2"	3-1/2" ± 1/2"	115	1/3	**295.00**

Water Wizard Submersible Pump



- Can be partially or totally submersed
- Removes water to within 1/8" of the floor
- 7-3/4" H x 4-5/16" W x 6-1/6" base D
- 1/6 HP heavy-duty motor
- Weighs 8.25 lbs.
- Maximum PSI 11.4
- Power cord, three-wire, 10' length, three-prong molded plug, 115V, single-phase
- Thermally protected

Applications:
- Emptying flooded rooms
- Bailing boats and tanks
- Cleaning out pools and ponds
- Powering waterfalls
- Draining garages and basements
- Dewatering flat roofs
- Residential and commercial use

Features:
- Epoxy coated housing
- Snap out filter screen
- Pumping height to 26'
- Fixed carrying handle
- Oil filled sealed housing for lifetime lubrication
- Free garden hose adapter
- To convert to automatic operation use **G31-755** remote switch

Order #	Mfg. #	GPM @ 1'	GPM @ 5'	GPM @ 10'	GPM @ 15'	GPM @ 20'	Each
B81-121	505723	20 (1,200 GPH)	18.3 (1,100 GPH)	16.7 (1,000 GPH)	14 (840 GPH)	8.7 (520 GPH)	**379.00**

Portable Utility Transfer Pump



- Ideal for flooded basements, watering lawns, draining water heaters and boosting water pressure for washing vehicles, sidewalks, etc.
- 3/4" brass garden hose adapters
- 1/2 HP motor with permanently lubricated ball bearings
- Self-priming to 15' when priming chamber is filled
- 142' shutoff
- 115V with 8' power cord

Order #	Mfg. #	Each
W89-409	555104	**1099.00**

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Submersible Utility Pump

LittleGIANT

- For Use with aqueous solutions or UL Listed solvents
- Made of corrosion resistant materials
- Rated for continuous duty
- 1/4" MNPT discharge
- 1/2" MNPT builders fitting
- 6' power cord without plug



Order #	Mfg. #	HP	GPH @ 1'	GPH @ 3'	GPH @ 5'	GPH @ 8'	GPH @ 10'	Each
B85-591	518550	1/40	300	270	240	180	130	**369.00**

Small Submersible Pump

LittleGIANT

- Hermetically sealed, corrosion-resistant nylon housing
- Sump type pick-up, smooth intake, set on any of five sides
- 1/4" male NPT discharge
- Has 6', 3-connector cord with 3-prong plug; impedance protected
- 1/160 HP, 115V, 3-7/8" H x 3-7/8" L x 3" W
- GPH is at total feet of head
- 4.6' shutoff



Order #	Mfg. #	Wt. Lbs.	GPH @ 1'	GPH @ 2'	GPH @ 3'	GPH @ 4'	Each
B81-033	523003	3	120	90	70	40	**335.00**

Submersible In-Line Pump

LittleGIANT

- Compact, hermetically sealed, corrosion resistant pump for high volume, low pressure submerged and/or open air use
- Epoxy coating to protect against corrosion
- For use with liquids such as water, mild acids, mild chemicals, alkalis or saline solutions with a pH factor of 5 to 9
- Dielectric oil filled with aluminum housing
- Furnished with nitrile shaft seal
- Polypropylene impeller and screen
- Thermal protection
- 6', three conductor cord with molded three prong plug
- 115V, 60 Hz
- 205 GPH @ 1'; 168 GPH @ 3'; 120 GPH @ 5'; 7.4' shutoff



Order #	Mfg. #	Inlet Conn.	Outlet Conn.	PSI	Dimensions	Each
B80-955	501003	Screen FPT	1/4" MPT	3.2	4-1/4" H x 4-1/8" D	**355.00**

Pony Pump® Utility Pumps

LittleGIANT

- Non-submersible self-priming transfer pumps
- Solid brass and chrome plated body
- Dual threaded inlet and outlet: 3/8" I.D. and 3/4" O.D. hole thread
- Includes one **W69-157** impeller repair kit
- Use with 10 amp fuse such as **G31-332** with 12V pump — not included
- Cord set: 6' 3-conductor for **W88-959**; 2 10" leads for **W88-960**



Order #	Mfg. #	Volts	GPH @ 1'	GPH @ 5'	GPH @ 10'	GPH @ 20'	GPH @ 30'	Each
W88-959	360	115VAC	360	342	300	270	198	**509.00**
W88-960	365	12VDC	300	258	240	202	150	**465.00**

Pony Pump® Accessories

LittleGIANT



A



B

Fig.	Order #	Mfg. #	Description	Each
A	**W69-157**	HRK-360S	Impeller & Gasket Kit	**105.00**
B	**W69-158**	WB-360	Motor Brush Kit	**189.00**

Hundreds of Thousands of OEM Solutions at Your Fingertips

For all of your AC needs *supporting you from installation and beyond*

YORK · PARTNERS choice · ARMSTRONG AIR The Professional's Choice · Coleman HEATING AND AIR CONDITIONING · AO Smith · Goodman Air Conditioning & Heating · SOURCE1 HVAC Service Parts · FRIEDRICH · Amana · FUJITSU · ALLIED Air Enterprises · DAIKIN



AIRSTAGE

FUJITSU

All heat pumps are NOT created equal

Whole Home Comfort - Multi-Zone Mini-Split Systems

Look for the Fujitsu AIRSTAGE Advantage!

- "Leak Proof" HCR Copper
- Outdoor units in 18, 24, 36k BTU/h with service valves to isolate each zone
- Operate one or all indoor units
- 5 indoor unit styles from as low as 7,000 and high as 24,000 BTU/h
- Certain combinations are Energy Star Qualified
- Hundreds of combinations - mix and match flexibility
- DC Twin Rotary Compressor

XLTH Xtra Low Temp Heating:

- XLTH heating rated down to -15°F (-26°C) outdoor temps - No cut-off temperature
- Built-in STAINLESS STEEL base pan heater
- Enhanced soy-based wiring harness
- XLTH: Connect 14,000 to 39,000 BTU/h
- Metal fan guard





FUJITSU GENERAL AMERICA, INC

For more information, please visit JohnstoneSupply.com/Fujistu



HVAC Equipment

Amana PTACs & PTHPs 685-689
Amana Room Air Conditioners 639
Aspen Manufacturing Evaporator Coils . . 711-714
Baseboard Heaters & Accessories 606-607
Boilers 536-547
Bosch Air Handlers 705
Bosch Ductless Split Systems 675-676
Bosch Evaporator Coils 704
Bosch Gas Furnaces 703
Bosch Heat Pumps 703-704
Bosch Replacement Parts 708-710
Bosch Residential Packaged Units 705-706
CDI Packaged A/C Accessories 809
Coleman & Thermo Pride Manufactured Housing Furnaces 829-830
Coleman Air Conditioning Condensing Units 789-793
Coleman Air Handlers 796-802
Coleman Commercial Packaged Units . . . 806-808
Coleman Commercial Split Systems 808
Coleman Evaporator Coils 793-795
Coleman Furnace Accessories 782-783,785
Coleman Gas Furnaces 778-782
Coleman Heat Pumps 786-789
Coleman Indoor Air Quality 802-804
Coleman Manufactured Housing Accessories 831-834
Coleman Protection Plans 810
Coleman Residential Packaged Units 805-806
Comfort-Aire Ductless Split Systems . . . 682-684
Comfort-Aire Oil Furnaces 627
Comfort-Aire PTACs & PTHPs 693-694
Comfort-Aire Room Air Conditioners 630-633
Comfort-Aire Water Source Heat Pumps 628-629
Commercial Water Heaters 547-549,557-558
Continuous Flow Water Heaters 558-570
Cozy Replacement Parts 622-625
Daikin Applied (McQuay) Commercial OEM Parts 856-874
Daikin Commercial Packaged Units 749-754,756-757
Daikin Commercial Split Systems 757-758
Daikin Ductless Split Systems 663-670,673
Daikin Packaged A/C Accessories 758-761
Daikin Replacement Parts 673-675
Evaporative Cooler Pumps 588-589
Evaporative Cooler Supplies . . . 582-584,586-587
Evaporative Coolers 572-581
Evcon Air Conditioning Condensing Units 776-777
Evcon Air Handlers 777
Evcon Gas Furnaces 774-775
Evcon Heat Pumps 776
First Co Air Handlers 645-646
First Co Room Air Conditioners 642-645
Fostoria Electric Infrared/Unit Heaters 608
Friedrich Ductless Split Systems 676-678
Friedrich PTAC & PTHP Replacement Parts 692-693
Friedrich PTACs & PTHPs 690-692
Friedrich Room Air Conditioners 634-638
Fujitsu Ductless Split Systems . 651-654,657-659
Fujitsu OEM Replacement Parts 659-663
GE Room Air Conditioners 638
GE Zoneline PTACs & PTHPs 689-690
GE Zoneline Replacement Parts 689
Generators 702-703
Goodman Air Conditioning Condensing Units 727-731
Goodman Air Handlers 735-743
Goodman Evaporator Coils 732-734
Goodman Extended Warranties 762
Goodman Gas Furnaces 715-723
Goodman Heat Pumps 723-726
Goodman Packaged A/C Accessories . . . 747-749
Goodman Packaged Units 743-747
Goodman Replacement Parts 763-774
Hydronic Air Handlers 626
Infrasave Infrared Heaters 589-591,593-594
Lennox Commercial OEM Parts 847-855
Maytag Manufactured Housing Accessories 841-842
Maytag Manufactured Housing Furnaces 837-840
Maytag Manufactured Housing Packaged Units 841
Modine Replacement Parts 596-599
Modine Unit Heaters 594-596
National Comfort Products Room Air Conditioners 640-641
Partners Choice Replacement Parts 843-847
Portable Air Conditioners 640
Portable Heaters 610-611
Raywall Unit Heaters 611-613
Residential Water Heaters 550-557
Reznor Replacement Parts 604-606
Reznor Unit Heaters 603-604
Rinnai Heater Replacement Parts 621
Rinnai Wall Furnaces 621
Source 1 Manufactured Housing Replacement Parts 834-837
Source 1 Residential & Commercial Replacement Parts 811-828
SpacePak High Velocity Air Systems 699-701
Sterling Unit Heaters 599-603
Vertical Packaged Units 694-698
Wall Heaters 608-610
Water Heater Parts 570-572
Williams Fan Coil Air Handlers 648,650
Williams Replacement Parts & Accessories for Wall Furnaces 618-621
Williams Wall Furnaces 614-618

Crown Oil Furnaces



- Heavy gauge drum style heat exchanger
- Ceramic fiber combustion chamber
- 22-gauge powder coated cabinet
- Limited lifetime warranty on heat exchanger
- 5-year parts warranty Outfitted with Beckett AFG model oil burner
- Multi-speed direct drive blower motor which can be removed for cleaning

Note: L95-821 is Energy Star qualified and uses an ECM blower motor

Order #	Mfg. #	Flue Diam.	Width	Height	Depth	Wt. Lbs.
L95-820	VCSHB60-90ABP	5"	21"	45"	30"	270
L95-821	VCSHB60-90ABT	5"	21"	45"	30"	270
L95-822	VCLBF68-112DBP	6"	22-1/4"	41-1/2"	47"	300
L95-823	VCLBR68-112DBP	6"	22-1/4"	41-1/2"	47"	300
L95-824	VCHC68-96CBP	6"	22-1/4"	61-1/4"	22-1/4"	280

Raptor Firetube Stainless Steel Condensing Gas Hot Water Boilers



- Stainless steel condensing hot water boiler
- Stainless steel fire tube heat exchanger
- Wall mounted
- Natural gas, field convertible to LP gas
- Fully modulating with 10:1 turndown ratio
- Honeywell SOLA control with touch screen user interface
- Vent adapter allows for venting with CPVC/PVC or single wall polypropylene venting

Specifications:

- If flue diameter chart information shows more than one size, see manual for conversion instructions

Order #	Mfg. #	BtuH Input	Gas Type	AFUE	Heating Capacity MBH	AHRI Net Ratings MBH	Flue Diam.	Width	Height	Depth	Wt. Lbs.
L94-188	RPTR085HNZ2SU	85,000	Natural or LP	96.0%	79,000	69,000	2" or 3"	19-13/16"	33-5/16"	20"	110
L94-189	RPTR110HNZ2SU	110,000	Natural or LP	96.0%	102,000	89,000	2" or 3"	19-13/16"	33-5/16"	20"	115
L94-190	RPTR155HNZ2SU	155,000	Natural or LP	95.0%	145,000	126,000	3"	19-13/16"	33-5/16"	20"	120
L94-191	RPTR205HNZ2SU	205,000	Natural or LP	95.0%	190,000	165,000	3"	19-13/16"	33-5/16"	21"	135
L94-192	RPTR270HNZ2SU	270,000	Natural or LP	95.0%	251,000	218,000	3"	19-13/16"	33-5/16"	21"	145
L94-152	RPTR320HNZ1SU	320,000	Natural or LP	95.0%	304,000	264,000	4"	23"	45.28"	22.4"	135
L94-153	RPTR399HNZ1SU	399,000	Natural or LP	95.0%	379,000	330,000	4"	23"	45.28"	22.4"	145

Phantom II Boilers

Gas Fired Condensing, Stainless Steel, Hot Water Boiler



- Stainless steel condensing hot water boiler
- Stainless steel water tube heat exchanger
- Wall mounted
- Gas adaptive combustion system
- Field convertible to LP gas
- Fully modulating with 10:1 turndown ratio
- Push button user interface
- Vent adapter allows for venting with CPVC/PVC or single wall polypropylene
- Boiler circulator included
- Approved for installation to 2,000 ft elevation with NG or LP gas

Order #	Mfg. #	BtuH Input	Gas Type	AFUE	Heating Capacity MBH	AHRI Net Ratings MBH	Flue Diam.	Width	Height	Depth	Wt. Lbs.
Sea Level											
L61-833	PHTM2080HNG1HUA	80,000	NG or LP	95.0%	75,000	65,000	2"	17.8"	29.8"	16.3"	71
L60-666	PHTM2120HNG1HUA	120,000	NG or LP	95.0%	112,000	97,000	2"	18"	29.8"	16.3"	76
L60-667	PHTM2150HNG1HUA	150,000	NG or LP	95.0%	141,000	123,000	2"	18"	29.8"	20.4"	103
L60-668	PHTM2180HNG1HUA	180,000	NG or LP	95.0%	169,000	147,000	2"	18"	29.8"	20.4"	103

Phantom Combi II Boilers

Gas Fired, Stainless Steel



- Stainless steel condensing hot water boiler
- Stainless steel water tube heat exchanger
- Wall mounted
- Gas adaptive combustion system
- Field convertible to LP gas
- Fully modulating with 10:1 turndown ratio
- Push button user interface
- Vent adapter allows for venting with CPVC/PVC or single wall polypropylene
- Internal heat exchanger for domestic hot water
- Low loss header included
- Approved for installation to 2,000 ft elevation with NG or LP gas

Order #	Mfg. #	BtuH Input	Gas Type	AFUE	Heating Capacity MBH	AHRI Net Ratings MBH	Flue Diam.	Width	Height	Depth	Wt. Lbs.
Sea Level											
L60-129	PHTM2136CNG1HUA	120,000	NG or LP	95.0%	112,000	97,000	2"	18"	19-7/8"	16-5/8"	112
L60-665	PHTM2200CNG1HUA	150,000	NG or LP	95.0%	141,000	123,000	2"	17-4/5"	29-4/5"	20-2/5"	116

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SPARQ Electric Boilers

NEW

- 4:1 turndown, boiler only powers the necessary number of elements based on system demand
- User friendly LED display 3-button interface with load management to take advantage of off-peak utility rates
- Brown out monitoring
- Anti short cycle timer
- UL 834 listed
- Flow switch standard
- Service friendly design
- No-drain heat exchanger
- Easy interior access



Order #	Mfg. #	BtuH Input	Heating Capacity MBH	Width	Height	Depth	Wt. Lbs.
L62-892	SWA16L0	16,000	54,600	19"	24"	10"	55
L62-893	SWA20L0	20,000	68,200	19"	24"	10"	55
L62-894	SWA24L0	24,000	82,000	19"	24"	10"	55

Phantom X Gas Fired Hot Water Boilers

- Stainless steel heat exchanger
- Stackable for floor space saving
- Field convertible to LP gas
- Modulating burner with 5:1 turndown ratio
- Honeywell control with touch screen user interface
- Vent adapter allows for CPVC/PVC or single wall polypropylene venting
- 2-year parts warranty, 12-year limited warranty for the heat exchanger

Note: ****L93-357** and **L93-358** -- Heating Capacity MBH = Gross Output, AHRI Net Ratings MBH = Net Rating



Order #	Mfg. #	BtuH Input	Gas Type	AFUE	Heating Capacity MBH	AHRI Net Ratings MBH	Flue Diam.	Width	Height	Depth	Wt. Lbs.	Thermal Efficiency	Energy Star
Sea Level/High Altitude													
L93-356	PHNTM285HNT1SU	285,000	NG or LP	95.0%	262,000	228,000	4"	16-11/16"	43-7/16"	21-13/16"	256	—	Y
L93-357	PHNTM399HNZ1SU	399,000	NG or LP	94.1%	375,000	326,000	3" or 4"	16-7/8"	43-1/2"	31-3/16"	296	94.1	—
L93-358	PHNTM500HNZ1SU	500,000	NG or LP	95.0%	485,000	422,000	3" or 4"	16-7/8"	35-1/16"	46-1/2"	348	97.0	—
L95-693	PHNTM600HNL2HUC	625,000	NG	94.1%	594,000	517,000	4" or 6"	16-7/8"	35-1/16"	49-1/2"	438	95.0	—
L95-694	PHNTM600HPL2HUC	625,000	LP	97.0%	594,000	517,000	4" or 6"	16-7/8"	35-1/16"	49-1/2"	438	95.0	—
L95-695	PHNTM700HNL2HUC	725,000	NG	95.0%	689,000	599,000	4" or 6"	16-7/8"	35-1/16"	49-1/2"	438	95.0	—
L95-696	PHNTM700HPL28UC	725,000	LP	95.0%	689,000	599,000	4" or 6"	16-7/8"	35-1/16"	49-1/2"	438	95.0	—
L95-697	PHNTM800HNL26UC	800,000	NG	95.0%	760,000	661,000	4" or 6"	16-7/8"	35-1/16"	53-5/16"	480	95.0	—
L95-698	PHNTM800HPL2HUC	800,000	LP	95.0%	760,000	661,000	4" or 6"	16-7/8"	35-1/16"	53-5/16"	480	95.0	—
Sea Level													
L93-354	PHNTM210HNT1SU	210,000	NG or LP	95.0%	194,000	169,000	3"	16-11/16"	32-3/16"	23-15/16"	206	—	Y
High Altitude													
L93-352	PHNTM210HNT10U	210,000	NG or LP	95.0%	194,000	169,000	3"	16-11/16"	32-3/16"	23-15/16"	206	—	Y
L93-353	PHNTM210HNT17U	210,000	NG or LP	95.0%	194,000	169,000	3"	16-11/16"	32-3/16"	23-15/16"	206	—	Y
L93-355	PHNTM285HNT10U	285,000	NG or LP	95.0%	262,000	228,000	4"	16-11/16"	43-7/16"	21-13/16"	256	—	Y

Zone Control Panels

- For use with Phantom 10:1, Raptor 5:1 &10:1, Phantom X and Raptor X boilers
- Sage Zone Control Panel reduces installation time and increases system efficiency by evaluating individual zone heat demands and optimizing the modulation
- Control Panel can control up to 4 zones and is expandable to 4 Zoning Controls (16 zones with 4 controls)
- RJ45 cable included
- Additional features include priority protection, post purge of DHW, circulator exercise, front external indicator lights, fuse protected sealed relays and universal thermostat compatibility
- All controls panels are UL Approved



Order #	Mfg. #	Description	Volts	Max. output @ 24V	Amps	Width	Height	Depth	For Use With
L49-959	104589-01	Sage Zone Control-Valve Panel	120	24 VAC, 40 VA, Class 2	20	10-3/4"	7"	2-3/4"	Phantom 10:1, Raptor 5:1 &10:1, Phantom X and Raptor X boilers

Velocity/Crown Boiler Accessories

- Accessories to help install Velocity/Crown Boilers



Order #	Mfg. #	Description	Conn. Size	Wt. Lbs.	For Use With
L48-319	430150	Low Loss Header Kit	—	—	Phantom 80/100/120
L48-320	430151	Low Loss Header Kit	—	—	Phantom 150/180
L81-835	430751	Ez Combi Kit	—	—	Phantom 150/180
L51-522	111884-01	Phantom II Heat Only Boiler Primary/ Secondary Piping Kit	1-1/4"	6	Phantom II Heat Only boiler models PHTM2080H, PHTM2120H, PHTM2150H, PHTM2180H

Order #	Mfg. #	Description	Conn. Size	Wt. Lbs.	For Use With
L51-523	111668-01	PAT Connect Bluetooth Adaptor Kit	—	1	Phantom II heat only and combi , Phantom series 10:1 TDR, Phantom X , Raptor and Raptor X

Aruba 5 Gas Fired Hot Water Boilers

NEW

AWR Series, Atmospheric, Chimney Vent



- Approved for installation on non-carpeted combustible floors
- Electronic ignition
- Cast iron heat exchanger
- Built-in draft diverter — category 1 venting
- Motorized vent damper
- Supply tapping located off top of boiler for easier supply piping
- 1-1/4" high performance circulator
- Stainless steel burners
- Combination high limit/LWCO/circulator control
- Aquastat mounted directly into heat exchanger
- Spill switch detects venting problems
- ASME relief valve set at 30 PSI
- Approved for installation to 7,000 ft. elevation
- For altitudes above 2,000', refer to manual for reduced input ratings

Order #	Mfg. #	BtuH Input	Gas Type	Sections	AFUE	Heating Capacity MBH	AHRI Net Ratings MBH	Flue Diam.	Width	Height	Depth	Wt. Lbs.
L62-521 ◀	AWR070BLT3AU1	70,000	LP	3	84%	59,000	51,000	4"	12-7/8"	39-1/2"	31-1/2"	284
L62-522 ◀	AWR070BNT3AU1	70,000	NG	3	84%	59,000	51,000	4"	12-7/8"	39-1/2"	31-1/2"	284
L62-523 ◀	AWR105BLT3AU1	105,000	LP	4	84%	88,000	77,000	5"	15-3/8"	39-1/2"	31-1/2"	334
L62-524 ◀	AWR105BNT3AU1	105,000	NG	4	84%	88,000	77,000	5"	15-3/8"	39-1/2"	31-1/2"	334
L62-525 ◀	AWR140BLT3AU1	140,000	LP	5	84%	117,000	102,000	6"	18-1/2"	39-1/2"	31-1/2"	384
L62-526 ◀	AWR140BNT3AU1	140,000	NG	5	84%	117,000	102,000	6"	18-1/2"	39-1/2"	31-1/2"	384
L62-527 ◀	AWR175BLT3AU1	175,000	LP	6	84%	146,000	127,000	7"	21-1/2"	39-1/2"	31-3/4"	434
L62-528 ◀	AWR175BNT3AU1	175,000	NG	6	84%	146,000	127,000	7"	21-1/2"	39-1/2"	31-3/4"	434
L62-529 ◀	AWR210BLT3AU1	210,000	LP	7	84%	176,000	153,000	7"	24-5/8"	39-1/2"	33-1/2"	484
L62-530 ◀	AWR210BNT3AU1	210,000	NG	7	84%	176,000	153,000	7"	24-5/8"	39-1/2"	33-1/2"	484
L62-531 ◀	AWR245BLT3AU1	245,000	LP	8	84%	205,000	178,000	8"	27-5/8"	39-1/2"	33-1/2"	533
L62-532 ◀	AWR245BNT3AU1	245,000	NG	8	84%	205,000	178,000	8"	27-5/8"	39-1/2"	33-1/2"	533
L62-533 ◀	AWR280BLT3AU1	280,000	LP	9	84%	234,000	203,000	8"	30-3/4"	39-1/2"	33-1/2"	583
L62-534 ◀	AWR280BNT3AU1	280,000	NG	9	84%	234,000	203,000	8"	30-3/4"	39-1/2"	33-1/2"	583

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Bali 2 Gas Fired Hot Water Boilers

BWF Series, Induced Draft

- Approved for installation on non-carpeted combustible floors
- Cast iron heat exchanger
- Side-wall or vertical venting with AL294C stainless steel venting material
- Induced draft blower with pressure switch
- Integrated Boiler Control - with temperature control, relay and ignition functions in a single module
- Includes additional circulator output for a second heating zone or an indirect water heater like the Mega-Stor
- Universal vent adapter
- Circulator, Rollout Switch; ASME relief valve (30 PSI)
- Stainless steel burners
- Two-tone powder coated jacket insulated with fiberglass
- Natural gas (LP gas available at participating locations)
- For altitudes above 2,000', ratings should be reduced at rate of 4% for each 1,000' above sea level
- Boiler must be ordered for proper elevation above sea level when being installed at altitudes above 2,000'



Order #	Mfg. #	BtuH Input	Gas Type	Sections	AFUE	Heating Capacity MBH	AHRI Net Ratings MBH	Flue Diam.	Width	Height	Depth	Wt. Lbs.
Sea Level												
L95-856	BWF070BNT3SU0	70,000	NG	3	85.0%	60,000	52,000	3"	12-3/4"	37-3/4"	26-1/2"	260
L95-860	BWF105BNT3SU0	105,000	NG	4	85.0%	90,000	78,000	3"	15-1/2"	37-3/4"	26-1/2"	310
L95-864	BWF140BNT3SU0	140,000	NG	5	85.0%	120,000	104,000	3"	18-1/2"	37-3/4"	26-1/2"	360
L95-868	BWF175BNT3SU0	175,000	NG	6	85.0%	150,000	130,000	3"	21-1/2"	37-3/4"	26-1/2"	415
L95-872	BWF210BNT3SU0	210,000	NG	7	85.0%	179,000	156,000	3"	24-3/4"	37-3/4"	26-1/2"	470
L95-876	BWF245BNT3SU0	245,000	NG	8	84.0%	208,000	181,000	4"	27-3/4"	37-3/4"	26-1/2"	525
High Altitude												
L95-855	BWF070BNT3HU0	70,000	NG	3	85.0%	60,000	52,000	3"	12-3/4"	37-3/4"	26-1/2"	260
L95-859	BWF105BNT3HU0	105,000	NG	4	85.0%	90,000	78,000	3"	15-1/2"	37-3/4"	26-1/2"	310
L95-863	BWF140BNT3HU0	140,000	NG	5	85.0%	120,000	104,000	3"	18-1/2"	37-3/4"	26-1/2"	360
L95-867	BWF175BNT3HU0	175,000	NG	6	85.0%	150,000	130,000	3"	21-1/2"	37-3/4"	26-1/2"	415
L95-871	BWF210BNT3HU0	210,000	NG	7	85.0%	179,000	156,000	3"	24-3/4"	37-3/4"	26-1/2"	470
L95-875	BWF245BNT3HU0	245,000	NG	8	84.0%	208,000	181,000	4"	27-3/4"	37-3/4"	26-1/2"	525

Tobago Cast Iron Oil Hot Water Boilers

- Not for installation on combustible floors
- High efficiency — up to 85.8% AFUE
- Two-tone powder coated jacket, resists scratching, insulated with fiberglass to minimize wasteful heat loss
- Split top jacket panel easily removed
- Higher capacities can be achieved by changing the nozzle size
- Chimney vent
- Wet base construction surrounds combustion area at top, bottom, rear and sides of boiler
- Combustion chamber has a ceramic fiber target wall with floor blanket
- Swing open burner door for easy service
- Standard equipment includes: oil solenoid valve, burner twist disconnect, flame retention oil burner with interrupted ignition, combination aquastat/relay, draft regulator, 1-1/2" circulator, combination temperature/pressure gauge, boiler drain valve, ASME relief valve

Specifications:

- See www.JohnstoneSupply.com for burner configurations as these models that do not include them



Order #	Mfg. #	Gas Type	Sections	Heating Capacity MBH	AHRI Net Ratings MBH	Flue Diam.	Width	Height	Depth	Wt. Lbs.
No Coil, Less Burner										
L60-197	TWB100ZOLT4SSU0	Oil	3	92MBH/122MBH	80/106	6"	24-5/8"	31-5/8"	17-3/8"	526
L60-199	TWB150ZOLT4SSU0	Oil	4	92MBH/122MBH	129/158	7"	24-5/8"	31-5/8"	22-3/8"	645
L60-201	TWB200ZOLT4SSU0	Oil	5	148MBH/182MBH	186/201	8"	24-5/8"	31-5/8"	27-3/8"	764
With Coil, Less Burner										
L60-198	TWB100ZOTT4SSU0	Oil	3	92MBH/122MBH	80/106	6"	24-5/8"	31-5/8"	17-3/8"	526
L60-200	TWB150ZOTT4SSU0	Oil	4	148MBH/182MBH	129/158	7"	24-5/8"	31-5/8"	22-3/8"	645
L60-202	TWB200ZOTT4SSU0	Oil	5	148MBH/182MBH	186/201	8"	24-5/8"	31-5/8"	27-3/8"	764

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Kingston Cast Iron Oil Steam Boilers



- Rugged wet base, cast iron heat exchanger
- Cast iron swing-open burner door for easy service
- Choice of three oil burners: Beckett, Riello, Carlin
- Factory tested Honeywell control system
- Burner equipped with twist disconnect plug
- 1-year parts and 12-year heat exchanger limited warranty

Order #	Mfg. #	Gas Type	Sections	Heating Capacity MBH	AHRI Net Ratings MBH	Flue Diam.	Width	Height	Depth	Wt. Lbs.
L60-130	KSB100ZOLP1SSU0	Oil	3	92/122	68/91	6"	24-5/8"	31-5/8"	17-3/8"	537
L60-131	KSB100ZOTP1SSU0	Oil	3	92/122	68/91	6"	24-5/8"	31-5/8"	17-3/8"	537
L60-163	KSB150ZOLP1SSU0	Oil	4	92/122	110/136	7"	24-5/8"	31-5/8"	22-3/8"	655
L60-194	KSB150ZOTP1SSU0	Oil	4	148/182	110/136	7"	24-5/8"	31-5/8"	22-3/8"	655
L60-195	KSB200ZOLP1SSU0	Oil	5	148/182	159/173	8"	24-5/8"	31-5/8"	27-3/8"	774
L60-196	KSB200ZOTP1SSU0	Oil	5	148/182	159/173	8"	24-5/8"	31-5/8"	27-3/8"	744

Bermuda Gas Fired Cast Iron Steam Boilers

BSI Series



- Cast iron heat exchanger
- Stainless steel burners
- Built-in draft diverter to fit low spaces
- Automatic vent damper included (BSI069 through BSI276)
- Attractive, rugged jacket
- Fully assembled or available as knock-down package
- Ten sizes from 69 to 379 MBH
- Designed for installation on combustible floors
- Full 1-year warranty, and 12-year limited warranty for heat exchanger

Order #	Mfg. #	BtuH Input	Gas Type	Sections	AFUE	Heating Capacity MBH	AHRI Net Ratings MBH	Flue Diam.	Width	Height	Depth	Wt. Lbs.
L99-632	BSI069ENPZZPSU	69,000	NG	3	81.9%	57,000	43,000	4"	12-3/4"	40-7/16"	28"	365
L99-641	BSI103ENPZZPSU	103,000	NG	4	82.0%	85,000	64,000	5"	16"	40-7/16"	28"	432
L99-650	BSI138ENPZZPSU	138,000	NG	5	82.0%	113,000	85,000	6"	19-1/4"	40-7/16"	28"	504
L99-660	BSI172ENPZZPSU	172,000	NG	6	82.1%	142,000	107,000	6"	22-1/2"	40-7/16"	28"	589
L99-672	BSI207ENPZZPSU	207,000	NG	7	82.1%	171,000	128,000	7"	25-3/4"	40-7/16"	30"	669
L99-686	BSI241ENPZZPSU	241,000	NG	8	82.2%	199,000	149,000	7"	29"	40-7/16"	30"	745
L99-700	BSI276ENPZZPSU	276,000	NG	9	82.2%	229,000	172,000	8"	32-1/4"	40-7/16"	30"	826

Freeport 2 Cast Iron Oil Hot Water Boilers

◀ NEW

Boiler Less Burner



- Jacketed block assembly, less burner, with Taco 007e circulator, Hydro Level #3250 control and Barometric damper

Note: See www.johnstonesupply.com for burner configurations as they are not included with these boilers

Order #	Mfg. #	BtuH Input	Gas Type	Sections	Heating Capacity MBH	AHRI Net Ratings MBH	Flue Diam.	Width	Height	Depth	Wt. Lbs.
L62-536 ◀	FWZ002LCZ3SP	—	Oil	2	73/97	63/84	5"	20.75"	31.5"	16.25"	430
L62-537 ◀	FWZ003LCZ3SP	—	Oil	3	99/123	86/107	6"	20.75"	31.5"	22.25"	503
L62-538 ◀	FWZ004LCZ3SP	182,000	Oil	4	160	139	6"	20.75"	31.5"	28.25"	658
L62-539 ◀	FWZ005LCZ3SP	222,000	Oil	5	197	171	7"	20.75"	31.5"	34.25"	771

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Series 49 Natural Commercial Cast Iron Steam Boilers

- Electronic ignition system
- Steam riser tappings located on intermediate sections
- Tappings on both end sections allows boiler to be piped right or left return
- Shipped knock-down
- Final assembly is completed in the field
- Approved for installation to 2,000 ft elevation

Note: L60-778, **L60-779**, **L60-780** are CSD-1 compliant



Order #	Mfg. #	BtuH Input	Gas Type	Sections	AFUE	Heating Capacity MBH	AHRI Net Ratings MBH	Flue Diam.	Width	Height	Depth	Wt. Lbs.
L60-775	49-299SNKRSU0	299,000	NG	7	82.0%	246	185	8"	36-9/16"	40-3/4"	40"	881
L60-776	49-350SNKRSU0	350,000	NG	8	81.0%	284	213	6" & 7"	41-5/8"	40-3/4"	40"	1008
L60-777	49-399SNKRSU0	399,000	NG	9	81.0%	323	242	6" & 8"	46-11/16"	40-3/4"	40"	1123
L60-778	49-450SNKCSU0	450,000	NG	10	81.0%	365	274	7" & 8"	51-3/4"	40-3/4"	40"	1239
L60-779	49-500SNKCSU0	500,000	NG	11	81.0%	405	304	8" & 8"	56-13/16"	40-3/4"	40"	1354
L60-780	49-550SNKCSU0	550,000	NG	12	81.0%	446	335	8" & 8"	61-7/8"	40-3/4"	40"	1469

Hydronic Buffer Tanks

Mega-Stor II

- Stainless Steel Hydronic Buffer Tank designed for use in a closed loop, hot water space heating system to provide hydraulic separation
- Adjustable feet for uneven floors
- 1-1/2" system connections



Order #	Mfg. #	Gallons	Diam.	Height	Wt. Lbs.
L95-792	MSB-030	31.4	23.5"	33.125"	71
L95-793	MSB-050	52.6	23.5"	49.75"	82
L95-794	MSB-075	76.3	23.5"	68.75"	115

Indirect Water Heaters

Mega-Stor II High Efficiency

- Provides more gallons of water after an hour of heating than gas, electric or oil-fired water heaters
- Stainless steel tanks and coil come with a limited lifetime warranty
- Adjustable aquastat
- Available from 26 to 119 gallons



Order #	Mfg. #	Gallons	First Hour GPH	BtuH Output	Diam.	Height	Wt. Lbs.
Indirect Water Heaters							
L93-768	MS2-030	30.1	162	87,000	23-1/2"	33-1/8"	69
L93-769	MS2-040	37.9	192	101,000	23-1/2"	39-3/8"	81
L93-770	MS2-050	50.6	236	121,000	30-3/4"	49-3/4"	100
L93-771	MS2-075	74	307	150,000	23-1/2"	68-3/4"	130
L93-772	MS2-119	111.3	497	264,000	30-3/4"	62-7/8"	251

NPF Condensing Hydro-Furnaces

NEW

- 15-100% Variable Capacity
- Adjustable discharge air temperature 95-150 degrees
- User Friendly Easy Access Control
- Compatible with single or two stage thermostats
- Ultra-low NOx
- LP Conversion kit supplied, standard
- EZNav User Friendly Backlit Interface
- High-Altitude kit supplied standard up to 10,100'



A



B

Fig.	Order #	Mfg. #	AFUE	BtuH Input	Nom. Tons	Nom. CFM	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
Upflow												
A	**L62-451**	PNPF7000018UH001	97.0%	60,000	1.5-3	720-1200	7.6	2"	31"	34.5"	17.5"	145
A	**L62-520**	PNPF7000029UH001	97.0%	100,000	2.0-5.0	1200-2000	11	2"	31"	34.5"	21"	167.5
Horizontal												
B	**L62-450**	PNPF7000018HH001	97.00%	60,000	1.5-3	720-1200	7.6	2"	31"	17.5"	34.5"	145
B	**L62-519**	PNPF7000029HH001	97.0%	100,000	2.0-5.0	1200-2000	11	2"	31"	21"	34.5"	167.5

NFB Condensing Fire Tube Boilers



- 10:1 turn down ratio
- Patented compact stainless steel fire tube heat exchanger "H" stamped to reduce high stress point weld failures common on other boilers
- Heat exchanger allows water to fill the entire heat exchanger eliminating the need for extra insulation at the top of the combustion chamber
- Non-metallic drain pan prevents corrosion caused by acidic condensate
- 1/2" gas piping for up to 24' in length
- Low-noise, lightweight, space-saving design
- Field convertible to LP

Fig.	Order #	Mfg. #	BtuH Input	Gas Type	AFUE	Heating Capacity MBH	AHRI Net Ratings MBH	Flue Diam.	Width	Height	Depth	Wt. Lbs.	Thermal Efficiency	Energy Star
Residential														
A	**N99-200**	PNFB0000051H002	175,000	NG or LP	95.0%	160,000	139,000	2"	17-3/10"	27-3/5"	17-3/10"	121	0.95 AFUE	Y
A	**N99-201**	PNFB0000058H002	199,000	NG or LP	95.0%	182,000	158,000	2"	17-3/10"	27-3/5"	17-3/10"	121	0.95 AFUE	Y
Commerical														
B	**N99-160**	PNFB0000087H001	301,000	NG or LP	97.5%	293,000	255,000	3"	25-1/10"	32-4/5"	22-3/10"	243	0.95 AFUE	Y
B	**N99-161**	PNFB0000116H001	399,000	NG or LP	97.5%	389,000	338,000	3"	25-1/10"	32-4/5"	22-3/10"	278	0.95 AFUE	Y

NHB-H Condensing Boilers

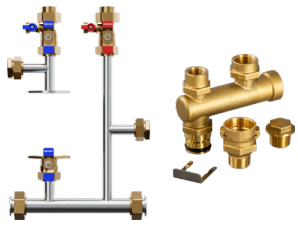
High-Efficiency Wall-Hung Boiler



- 95% AFUE
- Dual stainless steel heat exchangers
- Set-up wizard display for easy control
- Low and high voltage terminal strip
- Cascade capable
- 15-year heat exchanger and 5-year parts warranty for residential installs
- 10-year heat exchanger and 3-year parts warranty for commercial installs

Order #	Mfg. #	BtuH Input	Gas Type	AFUE	Heating Capacity MBH	AHRI Net Ratings MBH	Width	Height	Depth	Wt. Lbs.	Thermal Efficiency
L62-257	PNHB0016LZ002	55,000	NG or LP	95.0%	51,000	44,000	17"	24"	13"	64.8	0.95 AFUE
L62-258	PNHB0023LZ002	80,000	NG or LP	95.0%	74,000	64,000	17"	24"	13"	64.8	0.95 AFUE
L62-259	PNHB0033LZ002	110,000	NG or LP	95.0%	102,000	89,000	17"	24"	13"	74.5	0.95 AFUE
L62-260	PNHB0044LZ003	150,000	NG or LP	95.0%	138,000	120,000	17"	24"	13"	74.5	0.95 AFUE

Stainless Steel Manifold Kit for NHB-H Condensing Boiler ◀ NEW



- Includes heating supply isolation valves, space heating return isolation valves, PRV/air vent/LWCO adapter tree, threaded connection adapter with clip and LWCO plug

Order #	Mfg. #	Wt. Lbs.	For Use With
N46-475 ◀	GXXX002396	21.38	NHB-H Boilers

NFC Condensing Fire Tube Combi-Boilers



- High Efficiency Combination Boiler 95% AFUE
- Shipped as natural gas, field-convertible to propane
- Approved venting: 2" up to 60' or 3" up to 150' PVC/CPVC/PP/SS
- Heating and domestic hot water up to 199k BTU/H
- Patented stainless steel fire tube heat exchanger with non-metallic condensate base

Order #	Mfg. #	BtuH Input	Gas Type	AFUE	Heating Capacity MBH	AHRI Net Ratings MBH	Flue Diam.	Width	Height	Depth	Wt. Lbs.	Thermal Efficiency
N99-202	PNFC0000051K002	175,000	NG or LP	95.0%	161,000	140,000	2"	17-3/10"	33-1/2"	17-3/10"	141	0.95 AFUE
N99-203	PNFC0000058K002	199,000	NG or LP	95.0%	183,000	159,000	2"	17-3/10"	33-1/2"	17-3/10"	141	0.95 AFUE

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NCB-H Series Combi Boilers

NAVIEN

- 2" air intake venting (including schedule 40 PVC)
- Dual Venturi for easy field gas conversions from NG to LP
- Negative pressure regulating gas valve
- DHW stainless steel heat exchanger
- Up to 5.4 GPM @ 70°F temp. rise
- 2" venting up to 65' including schedule 40 PVC
- Built-in control for 3-zone pumps or 3-zone valves



Order #	Mfg. #	BtuH Input	Gas Type	AFUE	Heating Capacity MBH	AHRI Net Ratings MBH	Flue Diam.	Width	Height	Depth	Wt. Lbs.	Thermal Efficiency
N99-195	PNCB0047LD002	60,000	NG or LP	95.0%	56,000	49,000	2"	17-3/10"	29-3/10"	29.3"	88.2	0.95 AFUE
N99-196	PNCB0047LD001	80,000	NG or LP	95.0%	74,000	64,000	2"	17-3/10"	29-3/10"	29.3"	88.2	0.95 AFUE
N99-197	PNCB0058LD006	110,000	NG or LP	95.0%	102,000	89,000	2"	17-3/10"	29-3/10"	29.3"	97	0.95 AFUE
N99-198	PNCB0058LD005	130,000	NG or LP	95.0%	120,000	104,000	2"	17-3/10"	29-3/10"	29.3"	97	0.95 AFUE
N99-199	PNCB0062LD001	150,000	NG or LP	95.0%	138,000	120,000	2"	17-3/10"	29-3/10"	29.3"	97	0.95 AFUE

Boiler Accessories

NAVIEN



Order #	Mfg. #	Description	Conn. Size	For Use With
Heat Exchanger Assembly				
L82-120	30019680A	Heat Exchanger	—	For use with NHB055
L82-121	30019681A	Heat Exchanger	—	For use with NHB080
L82-122	30019682A	Heat Exchanger	—	For use with NHB110

Order #	Mfg. #	Description	Conn. Size	For Use With
L82-123	30019683A	Heat Exchanger	—	For use with NHB150
NaviClean Magnetic Filter				
L49-848	GXXX001727	Magnetic Filter	1-1/4" NPT	NCB and NHB Models

Condensing Boilers

Greenstar Series

BOSCH
Invented for life

- Combi or heat only models
- Available floor standing or wall mounted
- 95% AFUE efficiency



Order #	Mfg. #	BtuH Input	Gas Type	AFUE	Heating Capacity MBH	Flue Diam.	Width	Height	Depth	Wt. Lbs.
Wall Condensing Heat Only Boiler										
N99-285	7738100322	79,000	NG or LP	0.95	71	3"	17.5"	33.5"	14"	104
N99-284	7712231415	100,000	NG or LP	0.95	91	3"	17.5"	33.5"	14"	104
N99-283	7712231414	131,000	NG or LP	0.95	118	3"	17.5"	33.5"	14"	104
N99-282	7712231413	151,000	NG or LP	0.95	135	3"	17.5"	33.5"	14"	104
Wall Condensing Combination Boiler										
N99-288	7738100002	100,000	NG or LP	0.95	91	3"	17.5"	33.5"	14"	110
N99-290	7738100825	100,000	NG or LP	0.95	91	3"	17.5"	33.5"	14"	110
N99-287	7738100256	131,000	NG or LP	0.95	118	3"	17.5"	33.5"	14"	110
N99-286	7713331041	151,000	NG or LP	0.95	135	3"	17.5"	33.5"	14"	110
N99-289	7738100611	151,000	NG or LP	0.95	135	3"	17.5"	33.5"	14"	110
Floor Condensing Heat Only Boiler										
N99-293	7733600078	79,000	NG or LP	0.95	71	3"	19.5"	41"	22"	132
N99-294	7733600079	100,000	NG or LP	0.95	91	3"	19.5"	41"	22"	132
N99-295	7733600080	131,000	NG or LP	0.95	118	3"	19.5"	41"	22"	132
N99-296	7733600081	151,000	NG or LP	0.95	135	3"	19.5"	41"	22"	132
Floor Condensing Combination Boiler										
N99-297	7733600082	100,000	NG or LP	0.95	91	3"	19.5"	41"	22"	137
N99-298	7733600083	131,000	NG or LP	0.95	118	3"	19.5"	41"	22"	137
N99-299	7733600084	151,000	NG or LP	0.95	135	3"	19.5"	41"	22"	137

BOSCH
Invented for life



Wall Condensing Combi Boilers

Singular Series

- 95% AFUE efficiency
- Up to 7.7 gallons per minute of domestic hot water production
- Turndown ratio up to 10:1
- Built-in boiler circulator pump

Order #	Mfg. #	BtuH Input	Gas Type	AFUE	Flue Diam.	Width	Height	Depth	Wt. Lbs.
N99-291	7738007219	80,000	NG or LP	0.95	2"	18"	27.75"	11.75"	78
N99-292	7738007220	140,000	NG or LP	0.95	2"	18"	27.75"	11.75"	78

BOSCH
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Cast Iron Floor Boiler - Oil

Buderus G115

- Compatible with most hot water tanks
- Efficiency of 87% AFUE
- Two ETL approved venting options, either into a chimney or directly through the wall
- 3" jacket of thermal insulation

Order #	Mfg. #	Gas Type	AFUE	Heating Capacity MBH	Flue Diam.	Width	Height	Depth	Wt. Lbs.
N99-345	7747019702	Oil	0.87	85	5"	23.5"	34.5"	23.75"	330
N99-346	7747019703	Oil	0.87	109	5"	23.5"	34.5"	28.75"	403
N99-347	7747019704	Oil	0.87	136	5"	23.5"	34.5"	33.5"	476

BOSCH
Invented for life



Cast Iron Floor Boiler - Oil

Buderus G215

- Efficiency of 86% AFUE
- Three-pass system increases boiler efficiency by allowing the water to be heated three separate times
- 3" thick thermal insulation
- Rear tappings and flue connection

Order #	Mfg. #	Gas Type	AFUE	Heating Capacity MBH	Flue Diam.	Width	Height	Depth	Wt. Lbs.
N99-348	7738000111	Oil	0.86	134	6"	23.5"	34.5"	26.25"	400
N99-349	7738000112	Oil	0.86	171	6"	23.5"	34.5"	31"	500
N99-350	7738000113	Oil	0.86	207	6"	23.5"	34.5"	35.75"	600
N99-351	7738000114	Oil	0.86	256	6"	23.5"	34.5"	40.5"	700
N99-352	7738000115	Oil	0.86	294	6"	23.5"	34.5"	45.25"	800

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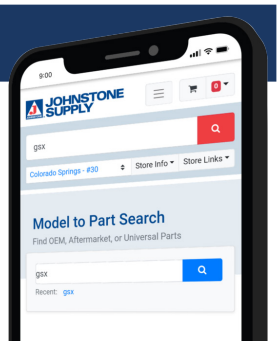

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Indirect Storage Tanks

- All models are equipped with magnesium anode rod for corrosion protection
- Easy-access cover helps simplify cleaning and maintainence of coil and tank interior
- Adjustable, screw-on feet for easy leveling



A B C D

Fig.	Order #	Mfg. #	Gallons	First Hour GPH	Diam.	Length	Height	Wt. Lbs.
—	**N99-334**	7738001642	40	208	20"	—	56"	105
—	**N99-335**	7738001643	67	327	24"	—	60"	147
—	**N99-336**	7738001644	81.5	347	24"	—	70"	117
—	**N99-337**	7738001645	113.4	431	28"	—	69"	213
A	**N99-325**	7738003203	30	165	21.75"	—	38.625"	160
—	**N99-326**	8718541313	75.4	—	26.375"	—	59"	260
—	**N99-327**	8718541322	96.9	—	26.375"	—	72.25"	298
B	**N99-329**	8718541924	77.4	264	26.375"	—	59"	232
B	**N99-330**	8718542949	98.4	312	26.375"	—	72.25"	282
C	**N99-328**	8718543070	51.3	180	21.75"	—	60.25"	170
D	**N99-331**	8718573519	52.5	176	25.75"	42.25"	25.75"	247
D	**N99-332**	8718573520	42.6	163	25.75"	36.25"	25.75"	220
D	**N99-333**	8718573522	76	276	25.75"	57.75"	25.75"	364

Combination Furnace, Boiler, and Water Heater

- Merges TRX combi boiler with an ECM driven air handler to provide forced-air heating, domestic hot water and hydronic capabilities
- Field convertible to LP
- Left or right air intake connections
- Integrated Wi-Fi for remote monitoring and troubleshooting
- Lifetime heat exchanger and 5-year parts warranty



Order #	Mfg. #	BtuH Input	Gas Type	AFUE	Heating Capacity MBH	Flue Diam.	Width	Height	Depth	Wt. Lbs.	Thermal Efficiency
L60-705	GF150	150,000	NG	95.0%	120,000	2" (to 100'), 3" (to 150')	17-7/8"	48"	35-3/4"	220.0	95%

TRX Water Tube Boilers

- Innovative XTRATECH® stainless steel heat exchanger with large diameter tubing
- Modulating Combustion up to 11:1
- Wi-Fi on board for remote control and monitoring
- Integrated ECM pump and DHW diverter valve
- Small zone valve systems may not require additional pump or low-loss header
- Easy service access and quick component connections
- For indirect DHW applications, internal diverter valve eliminates need for indirect pump



Order #	Mfg. #	BtuH Input	Gas Type	AFUE	Heating Capacity MBH	AHRI Net Ratings MBH	Flue Diam.	Width	Height	Depth	Wt. Lbs.	Energy Star
Heat Only												
L95-689	TRX085	85,000	NG or LP	96.0%	79,000	69,000	2"	15-3/4"	29-3/8"	15-1/4"	78.5	Y
L95-690	TRX120	120,000	NG or LP	95.0%	111,000	97,000	2"	15-3/4"	29-3/8"	15-1/4"	84.4	Y
L95-900	TRX150	150,000	NG or LP	95.0%	139,000	120,000	2"	22-1/4"	20"	42-1/2"	115	Y
L95-901	TRX199	197,000	NG or LP	95.0%	183,000	159,000	3"	22-1/4"	20"	42-1/2"	135	Y
Combi												
L95-691	TRX110C	114,000	NG or LP	95.5%	98,000	85,000	2"	15-3/4"	29-3/8"	15-1/4"	83.1	Y
L95-692	TRX150C	150,000	NG or LP	95.0%	111,000	97,000	2"	15-3/4"	29-3/8"	15-1/4"	83.6	Y
L95-902	TRX199C	197,000	NG or LP	95.0%	183,000	159,000	3"	22-1/4"	20"	42-1/2"	135	Y

FTVN Series Fire Tube Boilers



- Wall-hung boiler with vertical fire tube heat exchanger made of 439 stainless steel
- Programmable display
- 10:1 turndown ratio
- Outdoor reset sensor included
- LP convertible with veturi insert
- Universal vent connections

Specifications:

- Combi models provide endless hot water and space heating
- Integrated pump and no primary loop or system pump required
- Brazed plate heat exchanger
- Includes low loss header

Order #	Mfg. #	BtuH Input	Gas Type	AFUE	Heating Capacity MBH	AHRI Net Ratings MBH	Flue Diam.	Width	Height	Depth	Wt. Lbs.	Energy Star
Heat Only												
L95-893	FTVN085	85,000	NG or LP	96.0%	79,000	69,000	2"	22-1/4"	18-1/2"	42-1/2"	105	Y
L95-894	FTVN110	110,000	NG or LP	95.0%	101,000	88,000	2"	22-1/4"	18-1/3"	42-1/2"	105	Y
L95-895	FTVN150	150,000	NG or LP	95.0%	138,000	120,000	2"	22-1/4"	20"	42-1/2"	115	Y
L95-896	FTVN199	199,000	NG or LP	95.0%	184,000	160,000	3"	22-1/4"	20"	42-1/2"	130	Y
Combi												
L95-897	FTVN110C	110,000	NG or LP	95.0%	101,000	88,000	2"	22-1/4"	18-1/3"	42-1/2"	105	Y
L95-898	FTVN150C	150,000	NG or LP	95.0%	138,000	120,000	—	22-1/4"	20"	42-1/2"	115	Y
L95-899	FTVN199C	199,000	NG or LP	95.0%	183,000	160,000	3"	22-1/4"	20"	42-1/2"	130	Y

Gas Fired Hot Water Boiler

Trinity TFTN Series, Condensing, Ultra High Efficiency



- Comes with an LP adapter kit
- Sealed modulation combustion system
- Constructed using 439 stainless steel heat exchanger
- All copper or stainless-steel internal piping
- Sizes 85-399 are wall mounting, 500 and above are floor standing
- The touch screen control interface provides easy navigation and set up with a 7" display
- EZ Set Up Wizard, Self-diagnostic display with lead lag capability
- Flexible design allows for plumbing connections either at the top or bottom of boiler
- High quality appliance finish

Order #	Mfg. #	BtuH Input	Gas Type	AFUE	Heating Capacity MBH	AHRI Net Ratings MBH	Flue Diam.	Width	Height	Depth	Wt. Lbs.
L60-737	TFTN85	85,000	NG or LP	95.0%	79,000	69,000	2" or 3"	19-7/8"	34-1/8"	17-3/8"	95
L60-738	TFTN110	110,000	NG or LP	95.0%	101,000	88,000	2" or 3"	19-7/8"	34-1/8"	17-3/8"	95
L60-739	TFTN150	150,000	NG or LP	95.0%	138,000	120,000	2" or 3"	19-7/8"	34-1/8"	17-3/8"	105
L60-740	TFTN199	199,000	NG or LP	95.0%	184,000	160,000	2" or 3"	19-7/8"	34-1/8"	17-3/8"	116
L94-512	TFT-285	285,000	NG or LP	95.0%	263,000	228,000	3"	21-1/4"	33-3/8"	18-7/8"	170

Trinity Lx Condensing Boilers



- 7" HD touch screen color display
- Modulation rates up to 8:1
- 316L SS Heat Exchanger
- Floor or wall mount up to Lx400
- Factory installed condensate trap
- Three configurable pump outputs
- All operations are preformed in one electronic controller

Specifications:

- If flue diameter chart information shows more than one size, see manual for conversion instructions

Order #	Mfg. #	BtuH Input	Gas Type	AFUE	Heating Capacity MBH	AHRI Net Ratings MBH	Flue Diam.	Width	Height	Depth	Wt. Lbs.
L99-250	Lx-150A.3	150,000	NG	93.5%	136,000	118,000	3"	17"	29-1/2"	18-1/2"	100
L99-252	Lx-200.3	199,000	NG	93.5%	181,000	157,000	3"	17"	29-1/2"	18-1/2"	125
L90-555	Lx300	275,000	NG	93.7%	251,000	218,000	4" or 6"	17"	36"	21"	180
L99-253	Lx400.3	399,000	NG	94.0%	375,000	326,000	4" or 6"	17"	36"	24"	225
L93-253	Lx-500	500,000	NG	95.0%	470,000	409,000	4" or 6"	17"	43"	32-1/2"	300
L93-254	Lx-600	600,000	NG	95.0%	564,000	490,000	4" or 6"	17"	37"	47-1/2"	400
L93-255	Lx-700	700,000	NG	95.0%	658,000	572,000	4" or 6"	17"	37"	63-1/2"	500
L90-556	Lx800	800,000	NG	94.0%	752,000	654,000	4" or 6"	17"	37"	63-1/2"	320

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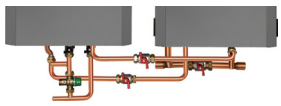
Wall Mounted Indirect Water Heater

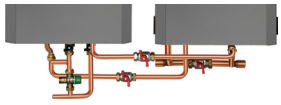
- 20 gallon indirect with first hour recovery rate
- Stainless Steel Tank & coil use type 444
- CFC-free 2" ultra high density EPS insulation
- Thermostatic mixing valve included
- The S20W Indirect Water Heater can be used with any boiler to provide high-performance hot water



Order #	Mfg. #	Gallons	First Hour GPH	BtuH Output	Length	Height	Wt. Lbs.
N99-229	S20W	20	348	199	20-7/8"	34-1/4"	150

Piping Kit and Low-Loss Header for S20W

- PLUS Kit - S20W to TRX/FTVN piping Kit
- The PLUS Kit is designed to twin together the S20W and the Heat Only versions of all the FTVN and TRX 150 and 199 to create a High Output Combi System. The PLUS Kit also includes the Low Loss Header, 87262



Order #	Mfg. #	Description	For Use With
L51-264	3260173	PLUS Kit - S20W to TRX/FTVN piping Kit	S20W, TRX, FTVN
L51-261	6000087262	Low Loss Header All FTVN / TRX 150, 199, 199C	All FTVN, TRX150, TRX199, TRX199C

Indirect Water Heaters

TRIN and Stor Series

- Limited lifetime warranty
- S and SL series are indirect water heaters
- ST series are storage tanks
- Easy access cleanout
- Special quick recovery coil
- Designed to work with all NTI boilers
- Package includes aquastat and relief valve
- SL series offers a stone lined tank with copper coil for harsh water conditions
- S series offers a stainless steel tank with a single coil
- ST series offers storage for volume water heating



Order #	Mfg. #	Gallons	First Hour GPH	BtuH Output	Diam.	Height	Wt. Lbs.
L90-560	S40	40	228	146	20"	54"	66
L90-561	S50	53	238	146	24"	47"	82

Order #	Mfg. #	Gallons	First Hour GPH	BtuH Output	Diam.	Height	Wt. Lbs.
L90-562	S80	79	356	210	24"	69"	170
L90-563	S120	120	485	290	29"	66"	183

Trinity Boiler Parts Tool Boxes

- Each toolbox contains all the components needed for repairs

Order #	Mfg. #	For Use With
L81-516	6000086640	Lx150-300
L81-512	6000084967	Tx51-Tx200
L81-517	6000086641	LX400

Commercial Gas Water Heaters

Cyclone Mxi BTH Models

- Up to 98% thermal efficiency
- Modulating burner
- Vents vertically or horizontally
- Approved for zero clearance to combustibles
- Digital diagnostic control panel
- Three-year tank/one-year parts warranty
- PERMAGLASS® ULTRA COAT glass lining
- Exceeds ASHRAE/IES 90.1b-1992 for thermal efficiency and standby loss



Order #	Mfg. #	Gallons	BtuH	GPH Rec. 100°F Rise	Height with Draft Hood	Diam.	Vent Size	Wt. Lbs.	Gas Type	Energy Star
Cyclone Mxi High Efficiency Commercial Gas Water Heaters										
N98-016	BTH-120	60	120,000	138	55-1/2"	27-3/4"	3"/4"	460	NG	Y
N98-017	BTH-199	100	199,000	235	76"	27-3/4"	3"/4"	523	NG	Y

Commercial Gas Water Heaters

BTR Models



- 80+% thermal efficiency
- Three sets of inlets and outlets offers more installation flexibility
- Low profile draft diverter with automatic motorized flue damper
- ASME models available
- Three-year tank/one-year parts warranty
- Exceeds ASHRAE/IESNA 90.1 for thermal efficiency and standby loss

Note: Please check ASME requirements for your state

Order #	Mfg. #	Gallons	BtuH	GPH Rec. 100°F Rise	Height with Draft Hood	Diam.	Vent Size	Wt. Lbs.	Gas Type
Master Fit Standard Draft Commercial Gas Water Heaters									
N98-011	BTR-197	100	199,000	193	75"	27-3/4"	6"	603	NG
N98-012	BTR-199	81	199,000	193	67-1/2"	27-3/4"	6"	470	NG
N98-013	BTR-200	100	199,000	193	72"	30-1/4"	6"	630	NG
N98-014	BTR-250	100	250,000	242	72"	30-1/4"	8"	630	NG
N98-015	BTR-275	100	275,000	267	72"	30-1/4"	8"	630	NG
N98-986	BTR-365A	85	365,000	354	79-1/2"	27-3/4"	8"	833	NG

Copper Coil Gas Water Heaters and Boilers

Conservationist® Burkay Series, 80% Efficiency



- Copper finned tube heat exchanger
- All copper, brass or bronze waterways
- 120VAC
- Safety pilot with electronic ignition
- Gas pressure regulator
- Draft diverter
- Automatic gas shutoff
- 5-year coil and heat exchanger limited warranty
- **N98-046** through **N98-049** have main and pilot cocks
- **N98-048** through **N98-054** have thermal balancer
- Factory equipped New York State or California State code models available by special order
- **N98-050** through **N98-054** offer a step opening automatic gas valve adjustable limit control, temperature protector switch assembly, intermittent ignition device and a main gas shutoff

Order #	Mfg. #	BtuH	GPH Rec. 100°F Rise	Height with Draft Hood	Diam.	Vent Size	Wt. Lbs.	Gas Type
Burkay Circulating Water Heaters								
N98-046	HW-120M	120,000	120	49-3/8"	20-3/4"	6"	120	NG
N98-047	HW-160M	160,000	154	50-1/8"	20-3/4"	7"	154	NG
N98-048	HW-200M	199,000	195	53-1/4"	20-3/4"	7"	165	NG
N98-049	HW-225M	225,000	217	60"	20-3/4"	7"	175	NG
Burkay Hot Water Supply Boilers								
N98-050	HW-300	300,000	298	65"	25-1/4"	8"	255	NG
N98-051	HW-399	399,000	392	57-1/8"	27"	10"	305	NG
N98-052	HW-420	420,000	417	57-1/8"	27"	10"	308	NG
N98-053	HW-520	520,000	516	68-5/16"	27"	10"	356	NG
N98-054	HW-670	660,000	656	68-5/16"	27"	12"	358	NG

Commercial Gas Water Heaters

Master-Fit® BTL Low NOx Models



- Meets Texas low NOx and California ULN requirements
- Induced draft built-in blower
- No draft hood or barometric damper
- 3-year tank/1-year parts warranty
- PERMAGLAS®ULTRA COAT™ Glass Lining
- Exceeds ASHRAE/IESNA 90.1 for thermal efficiency and standby loss

Note: Other gas, oil and electric models available at participating Johnstone Supply stores or by special order.

Order #	Mfg. #	Gallons	BtuH	GPH Rec. 100°F Rise	Height with Draft Hood	Diam.	Vent Size	Wt. Lbs.	Gas Type
N98-789	BTL-199	100	199,000	191	73"	27-3/4"	6"	665	NG
N98-790	BTL-250A	100	250,000	240	73"	27-3/4"	6"	665	NG
N98-791	BTL-275A	100	275,000	264	73"	27-3/4"	6"	665	NG
N98-792	BTL-310A	86	310,000	298	73"	27-3/4"	6"	740	NG

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Commercial Electric Water Heaters

Dura-Power™ Compact Model

- Dura-Power™ Lowboy Commercial Electric Water Heater features glass lined tank and zinc plated elements
- Adjustable temperature controls up to 181°F
- Field convertible kW & voltage
- 3-Year limited tank warranty



Order #	Mfg. #	Model #	Gallons	Nom. kW	GPH Rec. 90°F Rise	Volts	Height	Diam.	Wt. Lbs.
N98-998	DEL-6S-3kw	DEL-6S	6	3	12	240	15-1/2"	14-1/4"	35
N98-999	DEL-10S-6kw	DEL-10S	10	6	24	240	18-1/4"	18"	54
N99-001	DEL-15S-6kw	DEL-15S	15	6	24	240	26"	18"	58
N99-002	DEL-20S-6kw	DEL-20S	20	6	24	240	22-1/4"	21-3/4"	73
N99-003	DEL-30D-12kw	DEL-30D	30	12	49	240	30-7/8"	21-3/4"	109
N99-004	DEL-40D-12kw	DEL-40D	40	12	49	240	32-1/4"	24"	138
N99-005	DEL-50D-12kw	DEL-50D	50	12	49	240	32-1/4"	26-1/2"	184

Commercial Electric Water Heaters

Dura-Power™ Tall Model

- Dura-Power™ Tall Commercial Electric Water Heater features glasslined tank and zinc plated elements
- Adjustable temperature controls up to 181°F
- Field convertible kW & Voltage
- 3-Year limited tank warranty



Order #	Mfg. #	Model #	Gallons	Nom. kW	GPH Rec. 90°F Rise	Volts	Height	Diam.	Wt. Lbs.
N99-006	DEN-52D-12kw	DEN-52D	50	12	49	240	54-7/8"	20-1/2"	140
N99-007	DEN-66D-12kw	DEN-66D	66	12	49	240	60-3/4"	21-3/4"	166
N99-008	DEN-80D-12kw	DEN-80D	80	12	49	240	59-3/8"	24"	200

Commercial Electric Water Heaters

Gold Series

- Gold Series Commercial Electric Water Heater features gold plated elements and glasslined tank
- Adjustable temperature to 181°
- Surface mounted thermostats
- Two anode rods
- 3-Year limited tank warranty
- 1-Year limited parts warranty



Order #	Mfg. #	Model #	Gallons	Nom. kW	GPH Rec. 90°F Rise	Volts	Height	Diam.	Wt. Lbs.
N99-009	DRE-52-12kw	DRE-52	50	12	49	240	55-3/4"	27 x 21-3/4"	260
N99-011	DRE-52-24kw	DRE-52	50	24	98	240	55-3/4"	27 x 21-3/4"	265
N99-013	DRE-80-12kw	DRE-80	80	12	49	240	60-1/4"	31 x 21-3/4"	274
N99-015	DRE-80-24kw	DRE-80	80	24	98	240	60-1/4"	31 x 21-3/4"	279
N99-017	DRE-80-45kw	DRE-80	80	45	184	240	60-1/4"	31 x 21-3/4"	284
N99-018	DRE-120-12kw	DRE-120	120	12	49	240	62-1/4"	35 x 29-1/2"	385
N99-020	DRE-120-24kw	DRE-120	120	24	98	240	62-1/4"	35 x 29-1/2"	390
N99-022	DRE-120-45kw	DRE-120	120	45	184	240	62-1/4"	35 x 29-1/2"	395

Commercial Gas Water Heater

Standard Atmospheric

- Standard Atmospheric Commercial Gas Water Heater
- Single flue
- Fully automatic controls with safety shutoff
- Glasslined tank
- Green choice burner
- 3-Year limited tank warranty
- 1-Year limited parts warranty



Order #	Mfg. #	Gallons	BtuH	GPH Rec. 100°F Rise	Height with Draft Hood	Diam.	Vent Size	Wt. Lbs.	Gas Type
N98-985	BT-80	74	75,100	73	61-1/8"	26-1/2"	4"	185.0	NG

A.O. Smith


A B

Residential Gas Water Heaters

ProLine® Energy Saver Models

- Factory installed temperature and pressure relief valve
- 6-year tank/6-year parts warranty
- DynaClean™ diffuser dip tube reduces lime and sediment buildup
- Permaglas coating for defense against corrosion
- Coregard anode rod with stainlesss steel core

Fig.	Order #	Mfg. #	Gallons	BtuH	GPH Rec. 90°F Rise	First Hour GPH	Height with Draft Hood	Diam.	Vent Size	Wt. Lbs.	Gas Type
ProLine® Standard Atmospheric Residential Gas Water Heaters											
A	**N99-166**	GCR-30RNG	30	32,000	31	62	60-1/2"	18"	3" or 4"	132	NG
A	**N98-717**	GCR-40NG	40	40,000	41	70	62"	20"	3" or 4"	138	NG
A	**N98-719**	GCR-50NG	50	40,000	41	88	60-3/4"	22"	3" or 4"	165	NG
A	**N98-718**	GCG-50NG	50	40,000	41	88	60-3/4"	21"	3" or 4"	148	NG
A	**N99-172**	GCG-50LP	50	36,000	41	81	60-3/4"	21"	3" or 4"	148	LP
A	**N98-723**	GCRL-40NG	40	40,000	41	68	51-1/2"	22"	3" or 4"	135	NG
A	**N99-169**	GCRL-30R	30	32,000	32	55	50-1/4"	20"	3" or 4"	108	NG
A	**N98-724**	GCRL-50NG	50	40,000	41	93	53"	24"	3" or 4"	177	NG
A	**N98-726**	GCRT-50NG	50	50,000	58	92	60-3/4"	22"	4"	165	NG
A	**N98-727**	GCRX-50NG	50	65,000	61	98	65-1/2"	22"	4"	190	NG
ProLine® High Recovery Gas Water Heaters											
B	**N98-058**	FCG-75NG	74	75,100	81	125	61"	26-1/2"	4"	275	NG
B	**N99-170**	FCG-75LP	74	75,100	81	125	61"	26-1/2"	4"	275	LP
ProLine® Standard Atmospheric Residential Gas Water Heaters w/Blanket											
A	**N99-165**	GCB-30RNG	30	32,000	32	62	60-1/2"	16"	3" or 4"	123	NG
A	**N98-716**	GCB-40NG	40	40,000	41	70	62"	18"	3" or 4"	130	NG
A	**N98-722**	GCBL-40NG	40	40,000	41	67	51-1/2"	20"	3" or 4"	134	NG
A	**N99-168**	GCBL-30R	30	32,000	32	65	50-1/4"	18"	3" or 4"	114	NG
ProLine® Standard Atmospheric Residential Propane Water Heaters											
A	**N98-733**	GCRL-40LP	40	36,000	41	68	51-1/2"	22"	3" or 4"	135	LP
A	**N98-756**	GCR-40LP	40	36,000	41	70	62"	20"	3" or 4"	138	LP
A	**N98-769**	GCR-50LP	50	37,000	41	88	60-3/4"	22"	3" or 4"	165	LP
A	**N99-167**	GCR-30RLP	30	29,000	31	62	60-1/2"	18"	3" or 4"	132	LP
ProLine® Standard Atmospheric Residential Propane Water Heaters w/Blanket											
A	**N98-731**	GCB-40LP	40	36,000	41	70	62"	18"	3" or 4"	130	LP
A	**N98-732**	GCBL-40LP	40	36,000	41	67	51-1/2"	20"	3" or 4"	134	LP
ProLine® Ultra Low Nox Standard Atmospheric Residential Gas Water Heaters											
A	**N98-728**	GUC-30NG	30	33,000	34	55	61-3/4"	16"	3" or 4"	126	NG
A	**N98-754**	GUC-40NG	40	40,000	41	71	62"	18"	3" or 4"	125	NG
A	**N98-755**	GUC-50NG	50	40,000	42	91	60-3/4"	20"	3" or 4"	148	NG
A	**N98-729**	GUR-40NG	40	40,000	41	71	62"	20"	3" or 4"	125	NG
A	**N98-730**	GUR-50NG	50	40,000	42	91	60-3/4"	22"	3" or 4"	148	NG
ProLine® Extended Warranty Standard Atmospheric Residential Gas Water Heaters											
A	**N98-757**	XCR-30NG	30	35,500	36	67	61-3/4"	18"	3" or 4"	132	NG
A	**N98-758**	XCR-40NG	40	40,000	41	70	62"	20"	3" or 4"	138	NG
A	**N98-759**	XCR-50NG	50	40,000	41	88	60-3/4"	22"	3" or 4"	165	NG
A	**N99-171**	XCG-50NG	50	40,000	41	81	60-3/4"	21"	3" or 4"	148	NG
A	**N98-763**	XCRL-30NG	30	35,500	36	62	50"	20"	3" or 4"	118	NG
A	**N98-764**	XCRL-40NG	40	40,000	41	68	51-1/2"	22"	3" or 4"	135	NG
A	**N98-765**	XCRL-50NG	50	40,000	41	93	53"	24"	3" or 4"	177	NG
ProLine® Extended Warranty Standard Atmospheric Residential Propane Water Heaters											
A	**N98-761**	XCR-40LP	40	36,000	41	70	62"	20"	3" or 4"	138	LP
A	**N98-762**	XCR-50LP	50	37,000	41	88	60-3/4"	22"	3" or 4"	165	LP
A	**N98-767**	XCRL-40LP	40	36,000	41	68	51-1/2"	22"	3" or 4"	135	LP
A	**N98-768**	XCRL-50LP	50	40,000	41	93	53"	24"	3" or 4"	177	LP

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Residential Gas Water Heaters

ProMax® Power Vent

- FVIR compliant without inlet air arrester
- Three 3-position rotatable blower
- Electronic gas valve with hot surface ignition
- Dynaclean™ diffuser dip tube
- Green Choice® gas burner
- Exclusive Blue Diamond® glass coating
- 40 and 50 gallon models are .70 Energy Factor
- 75 gallon models are .68 Energy Factor
- 6-year limited tank & parts warranty



Order #	Mfg. #	Gallons	BtuH	GPH Rec. 90°F Rise	First Hour GPH	Height with Draft Hood	Diam.	Vent Size	Wt. Lbs.	Gas Type	Energy Star
Promax Power Vent Low-Profile Gas Models											
N98-658	GPVL-40NG	40	40,000	45	73	59"	22"	2", 3" or 4"	174	NG	Y
N98-659	GPVL-40LP	40	40,000	45	73	59"	22"	2", 3" or 4"	174	LP	Y
N98-662	GPVL-50NG	50	40,000	45	90	60-1/8"	24"	2", 3" or 4"	198	NG	Y
N98-663	GPVL-50LP	50	40,000	45	90	60-1/8"	24"	2", 3" or 4"	198	LP	Y
Promax Power Vent High Recovery Gas Models											
N98-660	GPVT-40NG	40	50,000	56	90	68-1/2"	20"	2", 3" or 4"	176	NG	Y
N98-661	GPVT-40LP	40	50,000	56	90	68-1/2"	20"	2", 3" or 4"	176	LP	Y
N98-664	GPVT-50NG	50	50,000	56	96	68-1/8"	22"	2", 3" or 4"	192	NG	Y
N98-665	GPVT-50LP	50	50,000	56	96	68-1/8"	22"	2", 3" or 4"	192	LP	Y
Promax Power Vent Maximum Recovery with Space Heating Connections											
N98-666	GPVX-50LNG	50	62,000	69	110	61-1/8"	24"	2", 3" or 4"	212	NG	Y
N98-667	GPVX-50LLP	50	62,000	69	110	61-1/8"	24"	2", 3" or 4"	212	LP	Y
N98-668	GPVX-75LNG	75	76,000	80	155	70-5/8"	26"	2", 3" or 4"	277	NG	Y
N98-669	GPVX-75LLP	75	76,000	80	155	70-5/8"	26"	2", 3" or 4"	277	LP	Y

Manufactured Housing Water Heaters

Standard-vent and Direct-vent

- Meets HUD requirements for manufactured housing installation
- Available in standard or direct-vent design
- Convertible gas control for natural gas or propane operation
- Environmentally friendly Green Choice™ gas burner reduces NOx emissions by 33% compared to standard burners



Order #	Mfg. #	Gallons	BtuH	GPH Rec. 90°F Rise	First Hour GPH	Height with Draft Hood	Diam.	Vent Size	Wt. Lbs.	Gas Type
Energy Saver Manufactured Housing Direct Vent Gas Water Heaters										
N98-749	FMDV-30NG	30	30,000	31	49	61"	18"	3"	129	Both
N98-750	FMDV-40NG	40	32,000	33	61	61-3/4"	20"	3"	153	Both
N98-751	FMDV-50NG	50	40,000	39	77	60"	22"	3"	168	Both
Energy Saver Manufactured Housing Gas Water Heaters										
N98-752	FMHR-30NG	30	35,500	36	55	61-1/2"	18"	3" or 4"	129	Both
N98-753	FMHR-40NG	40	35,500	36	62	61-3/4"	20"	3" or 4"	153	Both

WE'RE THE EXPERTS YOU COUNT ON.

- Products you need, including hard to find speciality parts
- Delivery options to get back on the road
- Technology to make your job easier
- Training to keep you competitive
- Service and support

BETTER SERVICE & LOCAL SUPPORT WITH GLOBAL PARTNERS

THAT'S THE POWER OF JOHNSTONE™



Residential Electric Water Heaters

Promax™ Energy Saver Models


A


B

- Factory installed temperature and pressure relief valve
- Six-year tank/six-year parts warranty
- DynaClean diffuser dip tube reduces lime and sediment buildup
- Permaglas coating for defense against corrosion
- Coregard anode rod with stainless steel core

Note: Also available from participating Johnstone Supply stores or by special order: Energy Saver Sealed Shot, Sure Shot, Power Shot, Point-of-use and table top water heaters.

Fig.	Order #	Mfg. #	Model #	Gallons	Nom. kW	GPH Rec. 90°F Rise	Volts	Height	Diam.	Wt. Lbs.
Promax Compact Electric Water Heaters										
A	**N98-637**	EJC- 6	EJC-6	6	1.65	8	120	15-1/4"	14-1/4"	35
A	**N98-635**	EJC-10	EJC-10	10	1.65	8	120	18-1/4"	12-1/4"	41
A	**N98-636**	EJCS-20	EJCS-20	19	2.5	11	120	24-3/4"	18-5/8"	68
Promax Standard Electric Water Heaters w/Blanket										
B	**N98-742**	ENLB-40	ENLB-40	38	4.5	21	240	31-3/4"	24"	118
B	**N98-735**	ENSB-30	ENSB-30	30	4.5	21	240	39"	20"	95
Promax Standard Electric Water Heaters										
B	**N98-741**	ENL-30	ENL-30	28	4.5	21	240	31-1/4"	24"	115
B	**N98-743**	ENL-36	ENL-36	36	4.5	21	240	32"	24"	118
B	**N98-736**	ENS-30	ENS-30	30	4.5	21	240	39-3/4"	22"	94
B	**N98-737**	ENS-40	ENS-40	40	4.5	21	240	50"	22"	109
B	**N98-746**	ENS-50	ENS-50	50	4.5	21	240	49-3/4"	24"	161
B	**N98-744**	ENT-30	ENT-30	30	4.5	21	240	46-1/2"	19"	95
B	**N98-745**	ENT-40	ENT-40	40	4.5	21	240	61-1/4"	18"	118
B	**N98-739**	ENT-50	ENT-50	50	4.5	21	240	60-1/2"	22"	134
B	**N98-747**	ENT-55	ENT-55	55	4.5	21	240	56-1/2"	24"	145

ProLine® Master Smart Electric Water Heater


A


B

- 5.5kW Stainless steel heating elements
- 240V or 208V applications
- Electronic controls with Wifi connectivity
- Remote control through the A. O. Smith app
- Leak detection sensor
- Automatic shut-off valve
- DynaClean™ diffuser dip tube
- CoreGard™ anode rod
- Blue Diamond® glass lining
- Enhanced flow brass drain valve
- High uniform energy factor
- 8-year limited tank and parts warranty

Fig.	Order #	Mfg. #	Model #	Gallons	Nom. kW	GPH Rec. 90°F Rise	Volts	Height	Diam.	Wt. Lbs.
A	**N99-277**	HESF-40	HESF-40	40	5.5	25	240	49-3/4"	20-1/2"	95
B	**N99-278**	HETF-40	HETF-40	40	5.5	25	240	60-1/4"	20"	106
A	**N99-279**	HESF-50	HESF-50	50	5.5	25	240	49-1/4"	23"	117
B	**N99-280**	HETF-50	HETF-50	50	5.5	25	240	59"	20-1/2"	109
B	**N99-281**	HETF-55	HETF-55	55	5.5	25	240	56-1/2"	24"	145

Residential Gas Water Heaters

Vertex Power Vent


A


B

- Operates at 96% thermal efficiency
- Can be vented vertically thru-the-roof or horizontally thru-the-wall
- Equipped with condensate drain tee
- Large LCD display
- Precise temperature control
- "Eco-Friendly" design reduces NOx emissions and complies with ultra-low NOx emission standards
- 6-year limited tank and parts warranty

Fig.	Order #	Mfg. #	Gallons	BtuH	GPH Rec. 90°F Rise	First Hour GPH	Height with Draft Hood	Diam.	Vent Size	Wt. Lbs.	Gas Type	Energy Star
Vertex High Efficiency Power Vent												
A	**N98-534**	GPHE-50	50	76,000	92	127	70-5/8"	22"	2", 3", or 4"	210	NG	Y
Vertex High Efficiency Power Direct Vent												
B	**N98-535**	GDHE-50	50	100,000	129	100	66-3/4"	22"	2" or 3"	255	NG	Y
B	**N98-734**	GDHE-75	75	100,000	129	130	64-3/4"	27-3/4"	2" or 3"	382	NG	Y

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Residential Electric Water Heaters

Voltex® Hybrid Electric Heat Pump

- Delivers 79-gallon first hour rating
- ENERGY STAR® certified, reduces water heating costs by up to 73% compared to standard electric technology
- Up to a 3.45 Uniform Energy Factor (UEF) rating
- User-friendly electronic interface allows easy control of temperature setting, operating modes and communicates diagnostics
- Choose from Hybrid, Efficiency, Electric or Vacation modes
- Quiet operation at 51dB
- 6-year limited tank and parts warranty



Order #	Mfg. #	Model #	Gallons	Nom. kW	GPH Rec. 90°F Rise	Volts	Height	Diam.	Wt. Lbs.
N98-770	FPTU-50	FPTU-50	50	4.5	66	240	63"	22"	196
N98-771	FPTU-66	FPTU-66	66	4.5	79	240	61"	27"	285
N98-772	FPTU-80	FPTU-80	80	4.5	84	240	69"	27"	302

Residential Electric Water Heater

Voltex® 120V Plug-In Hybrid Electric Heat Pump Water Heater

- 45dBA Operation
- Smart Sensor Leak Detection with Automatic Water Shutoff
- Utility Grid Capable
- Equipped with CTA-2045*
- iCOMM Smart Connectivity
- Lower GWP Refrigerant (R-513A)
- Ideal for conversion from Gas to Electric
- 3.2 Uniform Energy Factor (UEF)
- Blue Diamond® Glass Lining
- Enhanced Flow Brass Drain Valve
- 10-Year Limited Tank and Parts Warranty



Order #	Mfg. #	Model #	Gallons	Nom. kW	GPH Rec. 90°F Rise	Volts	Height	Diam.	Wt. Lbs.
N99-364	HPTV-66	HPTV-66	66	0.9	21	120	61-1/2"	26-1/2"	289
N99-365	HPTV-80	HPTV-80	80	4.5	21	120	69"	26-1/2"	307

Hybrid Electric Heat Pump Water Heaters

◀ NEW

GreenTronic 7000

- Variable speed fan
- Micro-channel heat exchanger achieves highest efficiency levels
- CTA-2045 demand response port
- Brass drain and T&P valve pre-installed



Order #	Mfg. #	Gallons	Nom. kW	GPH Rec. 90°F Rise	Volts	Min. Required Circuit Breaker	Height	Wt. Lbs.
N99-390 ◀	7738007434	50	4.5	27.5	208-240 V	30A (240V), 25A (208V)	75"	265
N99-391 ◀	7738007435	80	4.5	27.5	208-240 V	30A (240V), 25A (208V)	79.5"	360

Roof Jack Kits for Manufactured Housing Direct Vents



Order #	Mfg. #	Description	Max. Height	Min. Height
N87-303	100285331	Roof Jack 12"	12"	12"
N87-304	100285333	Roof Jack 32"	32"	13"
N87-305	100285412	Roof Jack 60"	60"	32"
N87-306	100285414	Roof Jack 95"	95"	36"

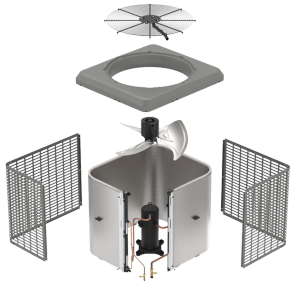
MODEL to PART

Critical Parts When You Need Them

Try it Today

Note: Must have a Johnstone Supply account

+ Featuring Mini-Splits, Residential & Commercial HVAC Equipment
+ Thousands of new products added including Trane and Carrier
+ Original, Aftermarket & Universal Part Options
+ Real-Time Pricing & Availability



Hot Water Recirculation Systems

- Each system is fully automatic and controlled by built-in sensors
- **N87-653** is for homes without a dedicated return line, does not require power under the furthest fixture
- **N87-654** does not require a dedicated return line. Requires power under the furthest fixture
- **N87-655** is single speed and requires dedicated return line
- **N87-656** 3-speed, works with tank or tankless water heaters, requires dedicated return line


A


B


C

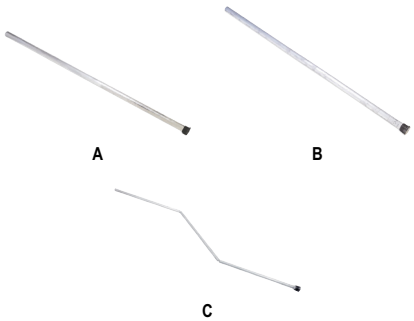

D


E

Fig.	Order #	Mfg. #	Model #	Description	Body Type	Volts	RPM	HP	Conn.	Flange Size	Flange to Flange	Wt. Lbs.	Shutoff
A	**N87-653**	100306288	FT1	No return line, no power under sink, type pump	Stainless	120	3200	1/25	3/4"MNPT x 3/4"FNPT	—	—	10	4'
B	**N87-654**	100306289	UT1	No return line, power under sink, type pump	Stainless	120	3200	1/25	Union 1/2"FIP	—	—	10	11'
C	**N87-655**	100306290	RT1	Dedicated return, tank heater only, type pump	Stainless	120	3200	1/25	Union 1/2"FIP	—	—	10	11'
D	**N87-656**	100306341	RG3	Dedicated return, tank/tankless, type pump	Stainless	120	3200	1/25	Flanged	3/4" FNPT	6.25"	10	20'
E	**N46-445**	100306591	—	Bypass Valve	Lead Free Brass	—	—	—	3/8" Compression	—	—	1.3	—

Anode Rods and Dip Tubes

- **N87-652** is The Product Preservers™ Powered Anode System which eliminates smelly water caused by sacrificial magnesium anodes or to replace aluminum anodes where aluminum hydroxide is a problem
- For use with residential gas or electric 30-50 gallon water heater installations
- Permanent anode rod made of titanium and mixed metal oxide that will never be depleted unlike traditional sacrificial anodes


A

B

C

Fig.	Order #	Mfg. #	Description
A	**N87-154**	100109434	3/4" x 16" Magnesium Plug Anode
B	**N87-155**	100109624	3/4" x 16" Aluminum Plug Anode

Fig.	Order #	Mfg. #	Description
C	**N98-018**	100110627	3/4" x 48" Aluminum Flexible Plug Anode
—	**N87-652**	100305721	Powered Anode

Ignition Controls



Order #	Mfg. #	Description
N45-083	100109872	Johnson Intermittent Ignition Control — Natural Gas
N45-084	100110170	Honeywell Upgrade Kit for BTC Models

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Thermostats and Sensors



Fig.	Order #	Mfg. #	Description
A	**N45-879**	100110039	Thermostat
B	**N46-139**	100108422	Thermostat with Cover WH9
C	**N46-140**	100108425	Thermostat with Cover WH9-6

Fig.	Order #	Mfg. #	Description
D	**N45-081**	100109674	White-Rodgers 4" Temperature Control for Natural Gas
D	**N45-080**	100110026	White-Rodgers 3.5" Temperature Control for Natural Gas
E	**N46-145**	100108684	Thermostat with Cover WH10-6A

Electrical Components

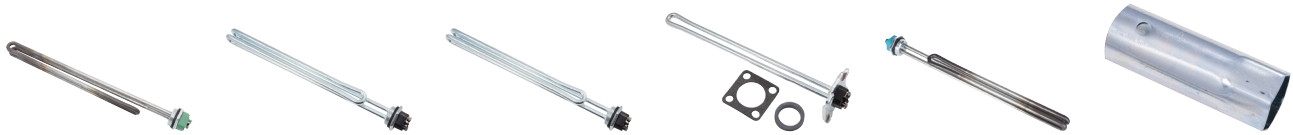


Fig.	Order #	Mfg. #	Description	Length
A	**N45-869**	100108346	Element 3800W, 240V	13-1/8"
B	**N45-878**	100109635	Element 4500W, 208V	10-3/4"
B	**N87-559**	100108291	Element 4500W, 240V	12"
C	**N46-114**	100108284	Element 4500W, 240V	11"

Fig.	Order #	Mfg. #	Description	Length
D	**N46-279**	100287290	Element 4500W, 240V	13-1/8"
E	**N46-280**	100287311	Element 5500W, 240V	9-1/2"
F	**N46-137**	100108413	Element Wrench	5"

Water Heater Pans

- Aluminum
- 2.5" deep
- Includes 1" PVC drain fitting



Order #	Mfg. #	Size	Each
B62-777	6-M22	22"	**89.00**
B62-778	6-M24	24"	**105.00**
B62-779	6-M26	26"	**115.00**
B62-780	6-M30	30"	**145.00**

Lead-Free Thermostatic Mixing Valves

A.S.S.E. 1016 Listed

- Designed for mixing hot and cold water to supply sinks, baths, showers or lavatories with tempered water
- Thermostat controls both hot and cold water
- Can be used in any point-of-use installation requiring preset water temperatures
- A.S.S.E. 1016 listing is for individual showers, baths, or a combination of both
- Solid wax hydraulic principle thermostat
- Locking adjustment cap
- The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight



Order #	Mfg. #	Model #	Type	Conn. Size	Temp. Range	Min. Flow Rate	Body Type	Max. Flow	Max. Pressure
R56-228	559115	LF-MMV-US M1	1/2 MMV	1/2" Union Sweat	80° - 120° F	0.5 GPM	Lead–Free Brass	20 GPM	150 PSI
R56-229	559116	LF-MMV-UT M1	1/2 MMV	1/2" Union Thread	80° - 120° F	0.5 GPM	Lead–Free Brass	20 GPM	150 PSI
R56-230	559119	LF-MMV-UT M1	3/4 MMV	3/4" Union Thread	80° - 120° F	0.5 GPM	Lead–Free Brass	20 GPM	150 PSI
R56-231	559118	LF-MMV-US M1	3/4 MMV	3/4" Union Sweat	80° - 120° F	0.5 GPM	Lead–Free Brass	20 GPM	150 PSI
R56-232	559121	LF-MMV-UT M1	1 MMV	1" Union Thread	80° - 120° F	0.5 GPM	Lead–Free Brass	20 GPM	150 PSI
R56-233	559122	LF-MMV-US M1	1 MMV	1" Union Sweat	80° - 120° F	0.5 GPM	Lead–Free Brass	20 GPM	150 PSI

Pressure Relief Valves



- For use on domestic storage tanks or tankless water heaters
- Bronze poppet type pressure relief valve for protection against excessive pressure

Order #	Mfg. #	Model #	Inlet Conn.	Outlet Conn.	Conn. Size	Body Type	Pressure Setting	BtuH
N45-026	0011640	3L-125 3/4	3/4"	3/4"	3/4 MIPT x 3/4" FIPT	Bronze	125	200,000
N45-027	0011917	3L-150 3/4	3/4"	3/4"	3/4 MIPT x 3/4" FIPT	Bronze	150	200,000
N45-070	0011090	3L-100 3/4 CAN	3/4"	3/4"	3/4 MIPT x 3/4" FIPT	Bronze	100	200,000

Lead Free Pressure Relief Valves

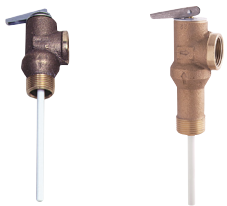


A B

- For use on domestic storage tanks or tankless water heaters
- Bronze poppet type pressure relief valve for protection against excessive pressure
- The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight

Fig.	Order #	Mfg. #	Model #	Inlet Conn.	Outlet Conn.	Conn. Size	Body Type	Pressure Setting	BtuH
A	**N45-906**	0556033	LF3L-125 3/4	3/4"	3/4"	3/4" MIPT x 3/4" FIPT	Bronze	125	200,000
B	**N45-907**	0556034	LF3L-150 CAN 3/4	3/4"	3/4"	3/4" MIPT x 3/4" FIPT	Bronze	150	200,000

Lead Free Self-Closing Combination Temperature and Pressure Relief Valves



A B

- For use on hot water storage tanks and heaters up to 100,000 BtuH
- Comes with test lever and extension thermostat
- 3/4" male inlet and female outlet
- Temperature relief: 210°F
- AGA/CGA temperature steam rating: 100,000 BtuH
- ASME rated; CGA listed; design certified by AGA
- Meets all applicable military and federal specifications
- The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight

Fig.	Order #	Mfg. #	Model #	PSI	Conn. Size	Length
A	**N45-634**	0556000	LF100XL-150210	150	3/4"	3"
B	**R56-898**	0556003	LFL100XL3-150210 CAN	150	3/4"	3"

Lead Free Commercial Temperature and Pressure Relief Valve



- Provides complete protection against both excessive temperature and pressure emergency conditions
- For use with gas, electric or oil-fired storage water heaters between 180,000–200,000 BtuH
- Bronze valve construction
- 5" thermostat with protective coating for dielectric properties
- 3/4" male inlet and female outlet
- Temperature relief: 210°F
- Pressure relief: 150 PSI
- ASME approved pressure rating @ 150 PSI: 1,437,600 BtuH, tested under ANSI Z21-22
- Meets military specification MIL-V 136-12D

Order #	Mfg. #	Model #	PSI	Conn. Size	Length
N45-568	F556016	LF40XL-150210 3/4	150	3/4"	5"

Drain Line For Temperature and Pressure Relief Valves



- For use on 3/4" valves with up to a 100,000 BtuH water heater
- Withstands steam pressures of 150 PSIG or temperatures up to 250°F
- 48" length

Order #	Mfg. #	Model #	Length
R94-134	66125	100DT CAN	48"

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Lead Free Hot Water Expansion Tanks

- PLT Series tanks feature a pre-pressurized steel tank with an expansion membrane that prevents contact of the water with the air in the tank, may be used with all types of Direct Fired Hot Water Heaters (gas, oil or electric) and hot water storage tanks



Order #	Mfg. #	Model #	Type	Conn. Size	Tank Size	Max. Volume	Diam.	Height
L81-221	0067370	PLT-5	Potable	3/4"	2.1 Gal.	1	8"	11"
L81-222	0067371	PLT-12	Potable	3/4"	4.5 Gal.	2.49	10-1/2"	13-1/2"
L81-223	0067372	PLT-20	Potable	3/4"	8.5 Gal.	4.7	12-1/2"	19-1/5"
L81-224	0067373	PLT-35	Potable	3/4"	14 Gal.	7.59	16"	21-2/3"

Self-Closing Combination Temperature and Pressure Relief Valves

- For use on hot water storage tanks and heaters up to 100,000 BtuH
- Comes with test lever and extension thermostat
- 3/4" male inlet and female outlet
- Temperature relief: 210°F
- AGA/CGA temperature steam rating: 100,000 BtuH
- ASME rated; CGA listed; design certified by AGA
- Meets all applicable military and federal specifications



Order #	Mfg. #	Model #	PSI	Conn. Size	Length
N45-024	0066100	100XL-150 3/4	150	3/4"	4"
N45-025	0066090	100XL-125210	125	3/4"	4"

Commercial Temperature and Pressure Relief Valve

- Provides complete protection against both excessive temperature and pressure emergency conditions
- For use with gas, electric or oil-fired storage water heaters between 180,000–200,000 BtuH
- Bronze valve construction
- 5" thermostat with protective coating for dielectric properties
- 3/4" male inlet and female outlet
- Temperature relief: 210°F
- Pressure relief: 150 PSI
- ASME approved pressure rating @ 150 PSI: 1,437,600 BtuH, tested under ANSI Z21-22
- Meets military specification MIL-V 136-12D



Order #	Mfg. #	Model #	PSI	Conn. Size	Length
N45-054	F156731	40XL-150210 3/4	150	3/4"	5"

Lead Free Vacuum Relief Valves

- Automatically vents system if a vacuum occurs
- Opens at less than 1/2" vacuum
- Suitable for steam service; 15 PSI maximum working pressure
- 200 PSI maximum water working pressure
- 250°F maximum temperature
- Male inlet connection
- The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight



Order #	Mfg. #	Model #	Inlet Conn.	Outlet Conn.	Conn. Size	Body Type	Pressure Setting
R56-225	556030	LFN36M1 CAN 1/2	1/2"	1/2"	1/2"	Bronze	15
R56-226	556031	LFN36M1 3/4 CAN	3/4"	1/2"	3/4"	Bronze	15

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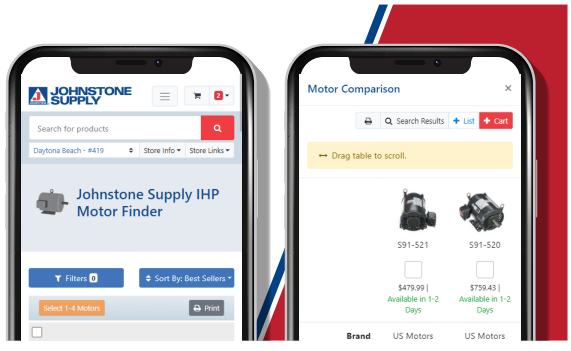

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Lead-Free AMX300 Series Direct Connect Water Heater Kits

- Temperature is adjustable using push-twist-release locking hand wheel design and if cold water supply is interrupted, flow reduction occurs in seconds
- Recirculation portion option offers fast delivery of heated water to the furthest fixtures, increasing user comfort with more available hot water
- The alternate hot port bypasses hot water directly from the tank to non-mixed temperature applications
- Fits most water heaters up to 1 in., with all necessary adapters included
- Brass/stainless construction with Teflon coated wear surfaces for extended surface
- Meets ASSE 1017 Standards
- **L46-687** is a mixing valve (for replacement only)
- **L46-688** includes mixing valve, cold water tee, 8" flex connector
- **L46-689** includes mixing valve, cold water tee, 11" flex connector

Order #	Mfg. #	Conn. Size	Temp. Range	Cv	Max. Pressure	Application	Each
L46-687	AMX300LF	3/4"	100°F to 145°F	2.1	150 PSI	Domestic Hot Water	**425.00**
L46-688	AMX300TLF	3/4"	100°F to 145°F	2.1	150 PSI	Domestic Hot Water	**479.00**
L46-689	AMX302TLF	3/4"	100°F to 145°F	2.1	150 PSI	Domestic Hot Water	**495.00**

NAVIEN



NPE2 Series Condensing High Efficient Tankless Water Heaters

- Up to 95% UEF on S models and 96% on A models
- Ships NG - field convertible to LP
- Can use 1/2" gas line up to 24'
- Dual stainless steel heat exchangers
- Compatible with 2" SCH 40 PVC vent up to 75' and 150' using 3"SCH 40 PVC with no elbows
- Common vent up to 12 units
- Cascade up to 32 units
- Commercial or residential

Order #	Mfg. #	Model #	Application	Gas Type	Min. BtuH Input	Max. BtuH Input	Hot Water @ 35°F Rise Capacity	Hot Water @ 45°F Rise Capacity	Hot Water @ 70°F Rise Capacity	Width	Height	Depth	Wt. Lbs.	Energy Star
Premium with Hot Water Recirc														
N99-208	PNPE0020024B001	NPE-180A2	Indoor/Outdoor	NG/LP	10,000	150,000	8.4 GPM	6.5 GPM	4.2 GPM	17-3/10"	27-2/5"	13-1/5"	73	Y
N99-209	PNPE0020029B001	NPE-210A2	Indoor/Outdoor	NG/LP	12,000	180,000	10.1 GPM	7.8 GPM	5 GPM	17-3/10"	27-2/5"	13-1/5"	77	Y
N99-210	PNPE0020032B001	NPE-240A2	Indoor/Outdoor	NG/LP	13,300	199,900	11.2 GPM	8.7 GPM	5.6 GPM	17-3/10"	27-2/5"	13-1/5"	77	Y
Standard														
N99-204	PNPE0020019G001	NPE-150S2	Indoor/Outdoor	NG/LP	18,000	120,000	6.8 GPM	5.3 GPM	3.4 GPM	17-3/10"	27-2/5"	13-1/5"	62	Y
N99-205	PNPE0020024G001	NPE-180S2	Indoor/Outdoor	NG/LP	10,000	150,000	8.4 GPM	6.5 GPM	4.2 GPM	17-3/10"	27-2/5"	13-1/5"	68	Y
N99-206	PNPE0020029G001	NPE-210S2	Indoor/Outdoor	NG/LP	12,000	180,000	10.1 GPM	7.8 GPM	5 GPM	17-3/10"	27-2/5"	13-1/5"	73	Y
N99-207	PNPE0020032G001	NPE-240S2	Indoor/Outdoor	NG/LP	13,300	199,900	11.2 GPM	8.7 GPM	5.6 GPM	17-3/10"	27-2/5"	13-1/5"	73	Y

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FUJITSU
A.O. Smith
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YORK INSTALL CONFIDENCE
FRIEDRICH



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Parts and Accessories

- For a complete listing of Navien parts available please visit www.JohnstoneSupply.com


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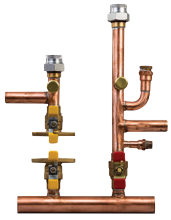
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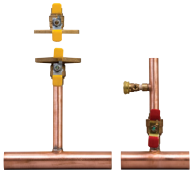
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Fig.	Order #	Mfg. #	Description	For Use With	Wt. Lbs.
Controls					
—	**N87-572**	30017405A	PCB & Front Panel	NPE Models	2.3
—	**N87-573**	30017406A	PCB & Front Panel	NCB Models	3.6
—	**N87-574**	30017407A	PCB & Front Panel	NHB Models	3.6
A	**N46-102**	PBCM-AS-001	Wi-Fi Remote Control	NPE, NCB, and NHB models	2.2
—	**N46-474**	PBCM-AS-002	Wi-Fi Remote Control for single use operations	NPE-2, NPN, NCB-H, NFC-H,NHB, and NFB-H	0.25
—	**N46-463**	30022717B	NPN/NPE-2 Series Remote Controller	NPE-A2/S2 and NPN models	—
B	**N45-373**	GXXX000546	Cascade Cable	All Models	.5
C	**N46-065**	PFMZ-02P-001	2 Zone Pump Controller	NCB & NHB Models	4.65
C	**N46-066**	PFMZ-03P-001	3 Zone Pump Controller	NCB & NHB Models	4.65
C	**N46-067**	PFMZ-04P-001	4 Zone Pump Controller	NCB & NHB Models	4.65
C	**N46-068**	PFMZ-06P-001	6 Zone Pump Controller	NCB & NHB Models	4.65
D	**N46-075**	GXXX001319	External Pump Wire	NPE Models	.4
Service Parts Kit					
—	**N87-659**	30028683A	Parts Kit	NPE-2 Models	—
E	**N87-543**	30018659A	Parts Kit	CC, CR, NR, NP Models	21
E	**N87-544**	30018660A	Parts Kit	CH Models	18.5
—	**N87-658**	30028684A	Parts Kit	NCB-H Models	—
E	**N46-076**	30018663A	Parts Kit	NHB Models	20
Install and Maintenance Accessories					
F	**N46-116**	30014367B	Common Vent Damper Collar	NPE, NHB-110 & NHB-150 Models	2

continued on next page

Fig.	Order #	Mfg. #	Description	For Use With	Wt. Lbs.
G	**N99-116**	GFFM-KDIZUS-005	Ready-Link Rack Base	NPE, NCB-E, NFB and NHB series units	49
H	**N99-117**	GFFM-KDIZUS-006	Ready-Link Rack Add-On	GFFM-KDIZUS-003	30
—	**N46-462**	30026576B	NFC-H and NCB-H Series Primary Manifold	NFC-H and NCB-H Models	—
I	**N46-063**	GFFM-MSOZUS-001	NHB Series Primary Manifold	NHB Models	10.5
J	**N46-064**	GFFM-SKTZUS-001	Secondary Manifold	NCB & NHB Models	6.5
K	**N46-059**	GXXX002212	Neutralizer Kit Single Unit	All Models	5.2
L	**N46-060**	GXXX001324	Neutralizer Kit 6 Units Limit	All Models	10
M	**N46-061**	GXXX001325	Neutralizer Kit 16 Units Limit	All Models	50.8
N	**N46-070**	GXXX001323	Residential Neutralizer Replacement Media	GXXX001322	2.8
N	**N46-071**	GXXX001327	PeakFlow Media Replacement Cartridge	GXXX001326	3
N	**N46-072**	GXXX001328	Light Commercial Neutralizer Replacement Media	GXXX001324	6.3
N	**N46-073**	GXXX001329	Replacement Media	GXXX001325	16
O	**N46-062**	30012950A	Outdoor Sensor & Wire	NCB & NHB Models	.5
P	**N46-074**	GXXX001769	Supply & Return Temperature Sensor	NHB Models	.5
—	**N46-277**	GPWC110001AC001	PeakFlowE™ Anti-Scale System	NPE-A, NPE-S, and NCB models	15.0
—	**N46-278**	GWFC110GD001	PeakFlowE™ Media Replacement Cartridge	PeakFlowE™ Anti-Scale System	5.0
—	**N46-056**	PNBD-000001	Comfort Air Kit	NPE-A Models	1
—	**N46-057**	30010950A	Easy Valve Kit 1"	NCB & NHB Models	.5
Q	**N46-058**	GXXX002139	Easy Valve Kit 3/4"	NPE & NCB Models	3.5
R	**L93-338**	30010747A	2" Wall Flange	All Models	.8
S	**L93-339**	30003873B	3" Wall Flange	All Models	1
—	**N46-452**	GXXX001891	Sidewall Termination Kit-11.5";	NPN Models	—
—	**N46-453**	GXXX001892	Sidewall Termination Kit-21";	NPN Models	—
—	**N46-454**	GXXX001893	Concentr. Roof Termination-13";	NPN Models	—
—	**N46-455**	GXXX001894	80-125Mm 45º Elbow;	NPN Models	—
—	**N46-456**	GXXX001895	80-125Mm 90º Elbow;	NPN Models	—
—	**N46-457**	GXXX001896	Vent Pipe Ext.-10";	NPN Models	—
—	**N46-458**	GXXX001897	Vent Pipe Ext.-39";	NPN Models	—
—	**N87-657**	30025812A	Pipe Cover;NPE-A2/S2	NPE-A2/S2	—
—	**L51-027**	30025801A	NPE-2 Series Outdoor Vent Kit	NPE-A2/S2	—
—	**N46-459**	GXXX001900	3" Diameter Flat Roof Flashing	NPN Models	—
—	**N46-460**	GXXX001901	3" Diameter Adj. Roof Flashing;	NPN Models	—
—	**N46-461**	GXXX001902	Metal Wall Strap, 6Pcs Per Box;	NPN Models	—
—	**N46-165**	30019039A	Ready-Link® Manifold NPE 2BB	NPE Series Model	45
—	**N46-166**	30019040A	Ready-Link® Manifold NPE 2SS	NPE Series Model	50
—	**N46-155**	30019041A	Ready-Link® Manifold NPE 3SS	NPE Series Model	70
—	**N46-147**	30019042A	Ready-Link® Manifold NPE 4BB	NPE Series Model	60
—	**N46-135**	30019043A	Ready-Link® Manifold NPE 4SS	NPE Series Model	85
Parts					
—	**L82-124**	30019674A	Heat Exchanger Assembly	NCB-150E and NCB-150	—
—	**L82-125**	30019673A	Heat Exchanger Assembly	NCB-180E and NCB-180	—
—	**L82-126**	30019672A	Heat Exchanger Assembly	NCB-210E and NCB-210	—
—	**L82-127**	30019671A	Heat Exchanger Assembly	NCB-240E and NCB-240	—
—	**N46-450**	30022965A	NaviCirc™ Kit	NPE-A Models	—
—	**N46-451**	PFFW-SXX-001	NaviCirc™ Valve	NPE-A Models	—

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NHW Non-Condensing Tankless Water Heater

- Premium Non-Condensing Tankless Water Heater with ComfortFlow Technology including built-in recirculation pump, buffer tank, and recirculation programming
- Stainless steel heat exchanger and stainless steel burner
- 0.81 UEF for all models
- Control panel allows you to adjust water temperature, operation status and troubleshooting
- Works with optional HotButton, NaviLink, and NaviLink Lite



Order #	Mfg. #	Model #	Application	Gas Type	Min. BtuH Input	Max. BtuH Input	Hot Water @ 35°F Rise Capacity	Hot Water @ 45°F Rise Capacity	Hot Water @ 70°F Rise Capacity	Width	Height	Depth	Wt. Lbs.
Indoor - NG													
N99-369	PNHW7000021GU01	NHW700-160AI	Indoor	NG	10,700	160,000	7.6 GPM	5.8 GPM	3.7 GPM	17-3/10"	25-1/5"	10-3/10"	57
N99-373	PNHW7000025BI01	NHW700-180AI	Indoor	NG	10,700	180,000	8.5 GPM	6.6 GPM	4.3 GPM	17-3/10"	25-1/5"	10-3/10"	62
N99-377	PNHW7000028BI01	NHW700-199AI	Indoor	NG	10,700	199,900	9.5 GPM	7.4 GPM	4.7 GPM	17-3/10"	25-1/5"	10-3/10"	62
Outdoor - NG													
N99-367	PNHW7000021BE01	NHW700-160AE	Outdoor	NG	10,700	160,000	7.6 GPM	5.8 GPM	3.7 GPM	17-3/10"	25-1/5"	10-3/10"	57
N99-371	PNHW7000025BE01	NHW700-180AE	Outdoor	NG	10,700	180,000	8.5 GPM	6.6 GPM	4.3 GPM	17-3/10"	25-1/5"	10-3/10"	62
N99-375	PNHW7000028GE01	NHW700-199AE	Outdoor	NG	10,700	199,900	9.5 GPM	7.4 GPM	4.7 GPM	17-3/10"	25-1/5"	10-3/10"	62
Indoor - LP													
N99-368	PNHW7000021BI02	NHW700-160AI	Indoor	LP	10,700	160,000	7.6 GPM	5.8 GPM	3.7 GPM	17-3/10"	25-1/5"	10-3/10"	57
N99-372	PNHW7000025GU02	NHW700-180AI	Indoor	LP	10,700	180,000	8.5 GPM	6.6 GPM	4.3 GPM	17-3/10"	25-1/5"	10-3/10"	62
N99-376	PNHW7000028BI02	NHW700-199AI	Indoor	LP	10,700	199,900	9.5 GPM	7.4 GPM	4.7 GPM	17-3/10"	25-1/5"	10-3/10"	62
Outdoor - LP													
N99-366	PNHW7000021BE02	NHW700-160AE	Outdoor	LP	10,700	160,000	7.6 GPM	5.8 GPM	3.7 GPM	17-3/10"	25-1/5"	10-3/10"	57
N99-370	PNHW7000025BE02	NHW700-180AE	Outdoor	LP	10,700	180,000	8.5 GPM	6.6 GPM	4.3 GPM	17-3/10"	25-1/5"	10-3/10"	62
N99-374	PNHW7000028BE02	NHW700-199AE	Outdoor	LP	10,700	199,900	9.5 GPM	7.4 GPM	4.7 GPM	17-3/10"	25-1/5"	10-3/10"	62

Install Kits for Navien

Order #	Mfg. #	Description	Size
R56-903	H-4FK5-CH	1-1/4" FIP x 1 HYDRO-CORE CMPLT NBP KIT	1 1/4" x 1"
R56-904	H-5FK5-CH	1-1/4" SWT x 1 HYDRO-CORE CMPLT NBP KIT	—

Condensing Gas Tankless Water Heaters

Greentherm Series

- Efficient condensing technology with UEF up to 0.95
- Wi-Fi accessory & App increases functionality
- Top water connections for easy tank replacement



Order #	Mfg. #	Model #	Application	Gas Type	Min. BtuH Input	Max. BtuH Input	Hot Water @ 35°F Rise Capacity	Width	Height	Depth	Wt. Lbs.
N99-300	7736503581	T9800SE 199	Indoor	NG/LP	9,000	199,000	0.45 to 11.2 GPM	18.5"	31.5"	9.8"	84.45
N99-301	7736503725	T9800SE 160	Indoor	NG/LP	9,000	160,000	0.45 - 9 GPM	18.5"	31.5"	9.8"	80.92
N99-302	7736503726	T9800SEO 160	Outdoor	NG/LP	9,000	160,000	0.45 - 9 GPM	18.5"	31.5"	9.8"	71.00
N99-303	7736503727	T9800SEO 199	Outdoor	NG/LP	9,000	199,000	0.45 to 11.2 GPM	18.5"	31.5"	9.8"	75.41
N99-304	7736503730	T9900SE 160	Indoor	NG/LP	9,000	160,000	0.45 - 9 GPM	18.5"	31.5"	9.8"	61.74
N99-305	7736503731	T9900SE 199	Indoor	NG/LP	9,000	199,000	0.45 to 11.2 GPM	18.5"	31.5"	9.8"	66.15
N99-306	7736503732	T9900iSE 199	Indoor	NG/LP	9,000	199,000	0.45 to 11.2 GPM	18.5"	31.5"	9.8"	72.77

BOSCH
Invented for life



Non-Condensing Gas Tankless Water Heater

Therm Series

- Ultra low NOx Certified
- Non-condensing up to 24 units
- Available in NG and LP configurations
- Digital display for accurate temperature setting

Order #	Mfg. #	Model #	Application	Gas Type	Min. BtuH Input	Max. BtuH Input	Hot Water @ 35°F Rise Capacity	Width	Height	Depth	Wt. Lbs.
N99-311	7703311075	940 ES NG	Indoor/Outdoor	NG	19,900	199,000	0.5 - 9.4 GPM	18"	30.25"	11.25"	74.97
N99-312	7703411073	940 ES LP	Indoor/Outdoor	LP	19,900	199,000	0.5 - 9.4 GPM	18"	30.25"	11.25"	74.97
N99-313	7703311076	830 ES NG	Indoor/Outdoor	NG	19,900	175,000	0.5 - 8.3 GPM	18"	30.25"	11.25"	74.97
N99-314	7703411074	830 ES LP	Indoor/Outdoor	LP	19,900	175,000	0.5 - 8.3 GPM	18"	30.25"	11.25"	74.97

A.O. Smith



Adapt™ Condensing Gas Tankless Water Heaters

◀ NEW

- Premium condensing gas tankless water heater
- Heavy-duty stainless steel heat exchanger
- Integrated recirculation pump & display
- 9,000 minimum BTU Input
- Max flow rate 10.5 GPM
- .95 UEF
- Ultra low NOx
- Universal indoor or outdoor installation
- Field convertible fuel type
- .5" gas line
- 2" or 3" PVC venting
- Cascade up to 12 Units
- Approved for manufactured homes
- 15-Year limited heat exchanger warranty
- 5-year limited parts warranty
- No hardwater warranty exclusion
- Energy Star certified

Note: N99-378, **N99-379**, and **N99-380** include X3 Scale Prevention Technology

Order #	Mfg. #	Model #	Application	Gas Type	Min. BtuH Input	Max. BtuH Input	Width	Height	Depth	Wt. Lbs.	Energy Star
with X3® Scale Prevention Technology											
N99-378 ◀	ATHR-160X3	ATHR-160X3	Indoor	NG or LP	9,000	160,000	16-1/2"	44-3/5"	16-1/10"	104	Y
N99-379 ◀	ATHR-180X3	ATHR-180X3	Indoor	NG or LP	9,000	180,000	16-1/2"	44-3/5"	16-1/10"	104	Y
N99-380 ◀	ATHR-199X3	ATHR-199X3	Indoor	NG or LP	9,000	199,000	16-1/2"	44-3/5"	16-1/10"	104	Y
Standard											
N99-381 ◀	ATHR-160M	ATHR-160M	Indoor	NG or LP	9,000	160,000	16-1/2"	44-3/5"	16-1/10"	104	Y
N99-382 ◀	ATHR-180M	ATHR-180M	Indoor	NG or LP	9,000	180,000	16-1/2"	44-3/5"	16-1/10"	104	Y
N99-383 ◀	ATHR-199M	ATHR-199M	Indoor	NG or LP	9,000	199,000	16-1/2"	44-3/5"	16-1/10"	104	Y

A.O. Smith



A B

ProLine® XE Condensing Tankless with X3 Scale Prevention Technology

- X3 scale prevention extends life of unit up to 3 times longer
- Eliminates annual descaling
- Copper heat exchanger
- Exhaust, 3" PVC up to 70'; 4" PVC up to 100'
- Category III or IV venting can be used

Fig.	Order #	Mfg. #	Model #	Gas Type	Min. BtuH Input	Max. BtuH Input	Width	Height	Depth	Wt. Lbs.	Energy Star
Indoor Installation											
A	**N99-242**	ATI-240HX3-N	X3	NG	15,000	160,000	16-1/5"	36-3/4"	21-7/10"	72.0	Y
A	**N99-243**	ATI-240HX3-P	X3	LP	13,000	160,000	16-1/5"	36-3/4"	21-7/10"	72.0	Y
A	**N99-246**	ATI-340HX3-N	X3	NG	15,000	180,000	16-1/5"	36-3/4"	21-7/10"	72.0	Y
A	**N99-247**	ATI-340HX3-P	X3	LP	13,000	180,000	16-1/5"	36-3/4"	21-7/10"	72.0	Y
A	**N99-230**	ATI-540HX3-N	X3	NG	15,000	199,000	16-1/5"	36-3/4"	21-7/10"	72.9	Y
A	**N99-231**	ATI-540HX3-P	X3	LP	13,000	199,000	16-1/5"	36-3/4"	21-7/10"	72.9	Y
Outdoor Installation											
B	**N99-244**	ATO-240HX3-N	X3	NG	15,000	160,000	16-1/5"	36-3/4"	21-7/10"	72.0	Y
B	**N99-245**	ATO-240HX3-P	X3	LP	13,000	160,000	16-1/5"	36-3/4"	21-7/10"	72.0	Y
B	**N99-248**	ATO-340HX3-N	X3	NG	15,000	180,000	16-1/5"	36-3/4"	21-7/10"	72.0	Y
B	**N99-249**	ATO-340HX3-P	X3	LP	13,000	180,000	16-1/5"	36-3/4"	21-7/10"	72.0	Y
B	**N99-232**	ATO-540HX3-N	X3	NG	15,000	199,000	16-1/5"	36-3/4"	21-7/10"	72.4	Y
B	**N99-233**	ATO-540HX3-P	X3	LP	13,000	199,000	16-1/5"	36-3/4"	21-7/10"	72.4	Y

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AO Smith Tankless Water Heaters

- For residential or commercial applications
- Energy Star qualified
- Primary copper heat exchanger, secondary stainless steel heat exchanger
- Remote included
- Easy-Link cables included

Features:
- **N98-940** and **N98-941** include an integrated recirculating pump


A


B


C


D

Fig.	Order #	Mfg. #	Application	Gas Type	Min. BtuH Input	Max. BtuH Input	Hot Water @ 45°F Rise Capacity	Hot Water @ 70°F Rise Capacity	Width	Height	Depth	Wt. Lbs.	Energy Star
Indoor Condensing													
A	**N98-922**	ATI-340H-P	Indoor	LP	13,000	180,000	7.6 GPM	4.9 GPM	17-3/4"	23-5/8"	11-1/4"	71.0	Y
A	**N98-921**	ATI-340H-N	Indoor	NG	15,000	180,000	7.6 GPM	4.9 GPM	17-3/4"	23-5/8"	11-1/4"	71.0	Y
A	**N98-941**	ATI-540P-P	Indoor	LP	13,000	199,000	8.4 GPM	5.4 GPM	17-3/4"	23-5/8"	11-1/4"	71.0	Y
A	**N98-940**	ATI-540P-N	Indoor	NG	15,000	199,000	8.4 GPM	5.4 GPM	17-3/4"	23-5/8"	11-1/4"	71.0	Y
Outdoor Condensing													
B	**N98-949**	ATO-140H-P	Outdoor	LP	13,000	120,000	5.0 GPM	3.0 GPM	13-7/8"	22-7/8"	10-13/16"	52.0	Y
B	**N98-948**	ATO-140H-N	Outdoor	NG	15,000	120,000	5.0 GPM	3.0 GPM	13-7/8"	22-7/8"	10-13/16"	52.0	Y
B	**N98-946**	ATO-240H-P	Outdoor	LP	13,000	160,000	7.0 GPM	4.5 GPM	17-3/4"	23-5/8"	11-1/4"	71.0	Y
B	**N98-944**	ATO-240H-N	Outdoor	NG	15,000	160,000	7.0 GPM	4.5 GPM	17-3/4"	23-5/8"	11-1/4"	71.0	Y
B	**N98-924**	ATO-340H-P	Outdoor	LP	13,000	180,000	7.6 GPM	4.9 GPM	17-3/4"	23-5/8"	11-1/4"	71.0	Y
B	**N98-923**	ATO-340H-N	Outdoor	NG	15,000	180,000	7.6 GPM	4.9 GPM	17-3/4"	23-5/8"	11-1/4"	71.0	Y
B	**N98-943**	ATO-540P-P	Outdoor	LP	13,000	199,000	8.4 GPM	5.4 GPM	17-3/4"	23-5/8"	11-1/4"	69.0	Y
B	**N98-947**	ATO-540H-P	Outdoor	LP	13,000	199,000	8.0 GPM	5.5 GPM	17-3/4"	23-5/8"	11-1/4"	71.0	Y
B	**N98-945**	ATO-540H-N	Outdoor	NG	15,000	199,000	8.0 GPM	5.5 GPM	17-3/4"	23-5/8"	11-1/4"	71.0	Y
B	**N98-942**	ATO-540P-N	Outdoor	NG	15,000	199,000	8.4 GPM	5.4 GPM	17-3/4"	23-5/8"	11-1/4"	69.0	Y
Indoor Non-Condensing													
C	**N98-928**	ATI-110-U	Indoor	NG	19,500	140,000	5.1 GPM	3.3 GPM	13-3/4"	20-1/4"	7-3/4"	38.0	Y
C	**N98-930**	ATI-310-U	Indoor	NG	11,000	190,000	6.9 GPM	4.4 GPM	13-3/4"	20-1/4"	9-1/2"	43.0	Y
C	**N98-926**	ATI-310C-N	Indoor	NG	15,000	190,000	6.9 GPM	4.5 GPM	13-3/4"	20-1/2"	11-1/2"	55.0	Y
C	**N98-932**	ATI-510-U	Indoor	NG	11,000	199,000	7.2 GPM	4.7 GPM	13-3/4"	20-1/4"	9-1/2"	45.0	Y
C	**N98-927**	ATI-510C-N	Indoor	NG	15,000	199,000	7.2 GPM	5 GPM	13-3/4"	20-1/2"	11-1/2"	55.0	Y
Outdoor Non-Condensing													
D	**N98-934**	ATO-110-U	Outdoor	NG	19,500	140,000	5.1 GPM	3.3 GPM	13-3/4"	20-1/4"	7-3/4"	38.0	Y
D	**N98-936**	ATO-310-U	Outdoor	NG	11,000	190,000	6.9 GPM	4.4 GPM	13-3/4"	20-1/4"	9-1/2"	43.0	Y
D	**N98-938**	ATO-510-U	Outdoor	NG	11,000	199,000	7.2 GPM	4.7 GPM	13-3/4"	20-1/4"	9-1/2"	45.0	Y

Product Preservers® Anti-Scale System for Tankless Water Heaters

- Provides active protection against scale formation so there is no requirement to flush/ descale the unit
- Does not add chemicals to the water or require electricity
- Virtually maintenance free
- One filter change every two years to ensure protection for the effects of hard water scale
- 2-year limited warranty



Order #	Mfg. #	Description	Wt. Lbs.
N46-281	100291509	Product Preserver Anti-Scale System	5.6

Order #	Mfg. #	Description	Wt. Lbs.
N46-282	100291510	Product Preserver Media Replacement	5.6

Rinnai



SENSEI™ Condensing Tankless Water Heaters

NEW

- Energy Star Qualified with uniform Energy Factor of .97
- Wireless setup via Bluetooth
- No gas conversion kit required
- Quick-Flush™ provides an efficient flushing procedure to make periodic preventive maintenance simple
- Outdoor vent cap adapts to any SENSEI™ RX Series model for outdoor installation
- Valves NOT Included

Features:

- **N99-388** and **N99-389** include hot water recirculator

Order #	Mfg. #	Model #	Application	Gas Type	Min. BtuH Input	Max. BtuH Input	Hot Water @ 35°F Rise Capacity	Hot Water @ 45°F Rise Capacity	Hot Water @ 70°F Rise Capacity	Width	Height	Depth	Wt. Lbs.
N99-384	RX130iN	RX130i (REU-NB2024FF-US)	Interior - Accessory Cap to Exterior	NG - Converts to LP no kit required	15,000	130,000	7.1 GPM	5.6 GPM	3.6 GPM	18.5"	25.8"	11-1/2"	54
N99-385	RX160iN	RX160i (REU-NB2530FF-US)	Interior - Accessory Cap to Exterior	NG - Converts to LP no kit required	15,000	160,000	9.0 GPM	7.0 GPM	4.4 GPM	18.5"	25.8"	11-1/2"	54
N99-386	RX180iN	RX180i (REU-NB2934FF-US)	Interior - Accessory Cap to Exterior	NG - Converts to LP no kit required	15,000	180,000	10.0 GPM	7.8 GPM	5.0 GPM	18.5"	25.8"	11-1/2"	55
N99-387	RX199iN	RX199i (REU-BN3237FF-US)	Interior - Accessory Cap to Exterior	NG - Converts to LP no kit required	15,000	199,000	11.2 GPM	8.6 GPM	5.6 GPM	18.5"	25.8"	11-1/2"	55
N99-388	RXP160iN	RXP160i (REU-NBP3237FF-US)	Interior - Accessory Cap to Exterior	NG - Converts to LP no kit required	15,000	160,000	9.0 GPM	7.0 GPM	4.4 GPM	18.5"	25.8"	11.4"	57
N99-389	RXP199iN	RXP199i (REU-NBP2530FF-US)	Interior - Accessory Cap to Exterior	NG - Converts to LP no kit required	15,000	199,000	11.2 GPM	8.6 GPM	5.6 GPM	18.5"	25.8"	11.4"	58

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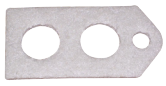
Water Heater Parts

- For our full offering of Rinnai Water Heater Parts visit www.JohnstoneSupply.com


A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C


D


E


F

Fig.	Order #	Mfg. #	Description	For Use With
Blower Assemblies				
A	**S59-081**	104000019-K	Blower Motor Assembly	REU-2520-FFU, REU-2532-FFU
A	**S81-324**	104000061-K	Blower Motor Assembly	R94LSi, R75LSi
Electrodes				
B	**L41-844**	AH66-398-2	Electrode Packing	REU-2020-W, REU-1616-W
B	**L41-845**	AH66-398X01	Electrode Packing	REU-2520-FFU, REU-2526W
—	**L80-978**	104000011-K	Kit, Electrode, Flame Rod, Gasket	V2520FFU (R53i), V2520FFUC (C53i), V2532, V2520, R75LS
—	**L44-811**	104000023	Electrode Kit	R94LSi, R75LSi
Flame Rod				
—	**L44-812**	104000022	Flame Rod Kit	R94LSi, R75LSi
Gas Valves				
C	**L41-859**	104000013-K	Gas Valve Assembly	REU-2532-FFU, REU-2532W, REU-2520-FFU, REU-2526W
C	**L44-809**	104000021-K	Gas Valve Assembly	R94LSi, R75LSi
Heat Exchangers				
—	**L80-985**	104000032-K	Kit, Heat Exchanger	R75LSi, R50LSi, REU-VA2528FFUD, REU-VA2019FFUD,
—	**L80-991**	104000181	Kit, Heat Exchanger	V2520FFUC, REU-2520-FFU
Ignitors				
D	**L41-863**	EI-189	Ignitor	REU-2532-FFU, REU-2532W, REU-2520-FFU
—	**L44-606**	EI-144	Ignitor	REU-3237FFU, RUE-3237W, REU-VA2535FFUD, REU-VA2535WD, REU-VA2528FFUD, REU-VA2528WD, REU-VA2019FFUD, REU-VA3237FFU & REU-VA3237W
O-Rings				
E	**L41-868**	M10B-2-14	O-Ring	REU-2424, REU-2402-FFU, REU-2532-FFU, REU-2532W, REU-2520-FFU, REU-2020-W, REU-1616-W, REU2526W
E	**L41-869**	M10B-2-18	O-Ring	REU-2424, REU-2402-FFU, REU-2532-FFU, REU-2532W, REU-2520-FFU, REU-2020-W, REU-1616-W, REU-2526W
E	**L44-607**	M10B-1-24	O-Ring	REU-3237FFU, RUE-3237W, REU-VA2535FFUD, REU-VA2535WD, REU-VA2528FFUD, REU-VA2528WD, REU-VA2019FFUD, REU-VA3237FFU & REU-VA3237W
E	**L44-608**	M10B-2-16	O-Ring	REU-3237FFU, RUE-3237W, REU-VA2535FFUD, REU-VA2535WD, REU-VA2528FFUD, REU-VA2528WD, REU-VA2019FFUD, REU-VA3237FFU & REU-VA3237W
E	**L44-818**	M10B-2-7	O-Ring Hot Water Outlet Housing Plug	R94LSi, R75LSi
E	**L44-819**	M10B-2-4	O-Ring Thermistors	R94LSi, R75LSi
P.C. Board				
—	**G35-144**	U245-500-F-HX01	P.C. Board	REU-2532-FFU
Servo and Sensors				
—	**B17-128**	M6J-1-3	Bypass Servo Assembly	R & C85I
—	**L80-974**	M6J-1-4	Bypass-Servo Assembly	REU-3237FFU
—	**B15-437**	104000014	Water Flow Servo & Sensor	REU-2020-W, REU-1616-W
—	**B15-438**	104000015	Water Flow Servo & Sensor	REU-2424
F	**B15-439**	104000016	Water Flow Servo & Sensor	REU-14-4-A
—	**B15-440**	104000017-K	Water Flow Servo & Sensor	REU-2402-FFU, REU-2520-FFU, REU-2526W
—	**B15-441**	104000018-K	Water Flow Servo & Sensor	REU-2532-FFU, REU-2532W
—	**L44-813**	105000176	Flow Sensor	R94LSi, R75LSi
Thermistors				
—	**L45-925**	104000155	Thermistor	R75, R94, R50
—	**L44-808**	BH45-650X01	Thermistor	R531, R851,C531, C85I
Water Filter Assembly				
—	**B15-436**	H98-510-S	Water Filter Assembly	REU-2424
Water Flow Control Valves				
—	**L44-821**	104000028-K	Water Flow Control Valve	R94LSi
—	**L44-822**	104000029-K	Water Flow Control Valve	R75LSi

Rinnai

Vent Materials

Works with Rinnai Water Heaters

- Refer to chart for non-condensing and condensing options

Order #	Mfg. #	Description	For Use With	Wt. Lbs.
Condensing				
N45-408	224077PP	45° Condensing Vent Pipe Elbow	Condensing	3.75
N45-409	224078PP	90° Condensing Vent Pipe Elbow	Condensing	3.75
N87-389	224079PP	19.5" Condensing Vent Pipe Extension	Condensing	6
N98-424	224080PP	39" Condensing Vent Pipe Extension	Condensing	6
N45-410	224087PP	10" Condensing Vent Pipe Extension	Condensing	6.92
N87-387	223176PP	12" Condensing Horizontal Termination Kit	Condensing	4.5
N87-388	223177PP	21" Condensing Horizontal Termination Kit	Condensing	4.5
N98-423	184162PP	Condensing Roof Termination 20" (above roof)	Condensing	1.62
N98-425	224047PP	Condensing Raised Horizontal Termination Kit (snorkel)	Condensing	3.75
Non-Condensing				
N87-209	224050	45 Degree Bends (Quantity of 2)	Non-Condensing	2
N87-210	224063	90 Degree Bend	Non-Condensing	1
N87-206	224051	10" Vent Pipe Extension	Non-Condensing	1
N87-207	224052	19.5" Vent Pipe Extension	Non-Condensing	5
N87-208	224053	39" Vent Pipe Extension	Non-Condensing	5
N98-117	184118-S	Roof Discharge Terminal (21" Length Below Roof)	Non-Condensing	5
N98-193	184119	Roof Discharge Terminal 38 1/2" (above roof); Cold Climate	Non-Condensing	7.93
N87-214	169044	Pipe Clamps	Non-Condensing	1
N87-457	223182	21" Universal Non-Condensing Horizontal Termination Kit	Non-Condensing	6.5
N87-458	223184	21" Universal Non-Condensing Horizontal Termination	Non-Condensing	4.8
Vent Flashing				
N87-291	189958	Roof Flashing - 1/12 to 6/12 Pitch	—	1.3
Wall Plate				
N45-229	710342	Rubber Wall Plate (White)	—	0.61
Condensate Trap				
N45-228	222053	Condensate Trap	Non-Condensing	1.1
Termination Vent Kit				
N98-210	224046	Raised Horizontal Termination Kit	—	3.74
N87-455	223181	11-1/2" Unviersal Non-Condensing Horizontal Termination Kit	Non-Condensing	5.34
N87-460	223188	12" Universal Concentric Metal Termination Kit	—	6.20

Rinnai



A



B

Condensate Neutralizer

- Re-useable design with a clear chamber for annual visual inspections
- This design also allows for easy removal, cleaning and media replacement
- Mounting brackets included
- A condensate neutralizer should be used on all condensing gas appliances, as the condensate from gas combustion has a very low pH which could be harmful to septic and sewage systems

Fig.	Order #	Mfg. #	Description	For Use With
A	**N46-299**	804000074	Condensate Neutralizer Kit	All condensing gas appliances
B	**N46-300**	809000114	Refill, condensate neutralizer (All Models)	804000074 Rinnai Neutralizer Systems

Rinnai



ScaleCutter® Anti-Scale System

- Can be used with tankless water heaters and combi boilers
- It works by simply preventing the amount of minerals found in potable water to prevent lime-scale buildup and corrosion that can diminish hot water performance within the appliance
- The Scale Cutter offers similar benefits of traditional water softeners

Order #	Mfg. #	Description	For Use With
N46-296	103000038	Scale Cutter System Unit 3/4"	All Tankless Water Heaters and Combi Boilers
N46-297	103000039	Scale Cutter Refill Cartridge 3/4"	103000038 - Scale Cutter System Unit 3/4in

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Control-R™ Wi-fi Controllers

Warning: This product contains lithium batteries and cannot be shipped by air

Rinnai



A


B


C

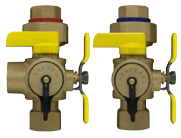
Fig.	Order #	Mfg. #	Description	For Use With
A	**N46-289**	RWM101	Control-R Wi-Fi Module	Works with all Rinnai Tankless Water Heater models manufactured 2006 and newer (except RH180 Hybrid Tank-Tankless Water Heaters).
—	**N46-291**	RWMKT01P	Control-R Wi-Fi Module w/ Push Button and Pump	New and existing Rinnai Residential and Commercial Tankless Water Heaters (2006 and newer)
—	**N46-292**	RWMKT03	Control-R Wi-Fi Module Demand w/Push Button and Temperature Sensor	Compatible only with Rinnai Tankless Water Heaters featuring Rinnai Circ-Logic™
—	**N46-293**	RWMKT03P	Control-R Wi-Fi Module w/Push Button, Temperature Sensor and Pump	Compatible only with Rinnai Tankless Water Heaters featuring Rinnai Circ-Logic™
B	**N46-294**	RWMMS01	Control-R Wi-Fi Motion Sensor	Use with Rinnai Control-R Wi-Fi Module RWM101
C	**N46-295**	RWMPB01	Wi-Fi Push Button	Use with Rinnai Control-R Wi-Fi Module RWM101

Lead Free Tankless Water Heater Isolation Valves

EXP Series

Webstone VALVE INNOVATION

- Easy two-step color coded union connections
- Easy quarter turn ball valve operation
- Full port throughout entire valve body
- Individually controlled full port drain outlet
- Easy cleaning or flushing of system
- 3/4" outlet for pressure relief valve
- LEAD FREE Products are Certified to ASSE 1061 & NSF/ANSI 61-G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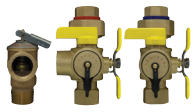
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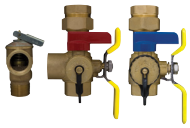
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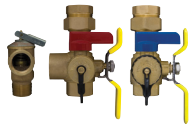
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Fig.	Order #	Mfg. #	Description	Size	Wt. Lbs.
A	**R56-881**	H-40443W	3/4" IPS LF ISOLATOR EXP	3/4"	—
A	**R56-882**	H-40443WPR	3/4" IPS LF ISOLATOR EXP w/PRV	3/4"	—
—	**R58-889**	H-42443WPR	3/4" IPS LF ISOLATOR EXP ULTRA COMPACT w/PRV	3/4"	—
B	**R56-883**	H-44443WPR	3/4" IPS LF ISOLATOR EXP E2 w/PRV	3/4"	—
B	**R57-288**	H-44444WPR3	1"IPS LF ISOLATOR EXP E2 w/30 PSI PRV	1"	—
A	**R56-884**	H-50443W	3/4" SWT LF ISOLATOR EXP	3/4"	—
A	**R56-885**	H-50443WPR	3/4" SWT LF ISOLATOR EXP w/PRV	3/4"	—
C	**R56-886**	H-54443WPR	3/4" SWT LF ISOLATOR EXP E2 w/PRV	3/4"	—
—	**R58-313**	H-84443WPR	3/4" PRS LF ISOLATOR EXP E2 w/PRV	3/4"	—
D	**R58-414**	H-84443WPR-LF	3/4" PRS LF ISOLATOR EXP E2 w/LF PRV	3/4"	3.521
D	**R58-417**	H-84444WPR	1" PRS LF ISOLATOR EXP E2 w/PRV	1"	6.35
D	**R58-420**	H-84444WPR3	1" PRS LF ISOLATOR EXP E2 w/30 PSI PRV	1"	6.35
D	**R58-418**	H-84444WPR-LF	1" PRS LF ISOLATOR EXP E2 w/LF PRV	1"	6.35

PROVIDING YOU UNIVERSAL TRUCK STOCK OPTIONS

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Lead Free Series TWH Tankless Water Heater Valves



A B

- Hot and cold valves certified to NSF/ANSI 61
- Staggered connection points for ease of installation and access
- Valves are suitable for most tankless installations
- No additional adapters required
- Size: 3/4" (20mm)
- The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight

Fig.	Order #	Mfg. #	Description	Conn. Size	Length	Wt. Lbs.	Max. Height	Each
A	**R56-854**	0120001 LFTWH-UT-HC-RV	Union w/ Female Threaded Tailpieces for Connection to Water Lines Hot & Cold Valve Set	3/4"	7.7"	5	3.5"	**739.00**
B	**R56-858**	0120003 LFTWH-UTS-HCN-RV	Union w/Female Threaded & Sweat Tailpieces for Connection to Water Lines Hot & Cold Valve Set, No Spring Check, 150PSI Relief Valve	3/4"	13.1"	5.58	3.4"	**629.00**
B	**R56-856**	0120005 LFTWH-QC-HCN-RV	Quick Connect Fittings to Water Lines Hot & Cold Valve Set, No Spring Check, 150PSI Relief Valve	3/4"	12.99"	5.5	3.346"	**1099.00**
B	**R56-855**	0125110 LFTWH-UT-HCN-RV	Union w/Female Threaded Tailpieces for Connection to Water Lines Hot & Cold Valve Set, No Spring Check, 150PSI Relief Valve	3/4"	12.99"	5.5	3.46"	**589.00**

OneFlow® Anti-Scale System



A B

- Compatible with all major tankless water heater brands
- Maintains manufacturer's stated water heater efficiency
- Works to prevent heater malfunction due to scale build-up
- Diminishes existing scale problems and costs associated with de-scaling
- Environmentally friendly alternative to water softeners
- Almost zero maintenance required due to no salt of chemicals needed
- No backwashing or electricity needed

Fig.	Order #	Mfg. #	Description	Conn. Size	Length	Wt. Lbs.	Max. Height
A	**R87-844**	0002182 OFTWH	OneFlow Anti-Scale System, Connection Sizes: 3/4" (20mm)	3/4"	22"	14	5"
B	**R87-895**	OFTWHRM	Replacement Filter Cartridge	—	5"	6	23"

Vital-Flo Tankless Water Heater Descaler Kit



- Restore heat and flow capabilities by dissolving scale formed by naturally occurring minerals in the water supply
- Descaler is fast acting and metal safe
- Pump sizing provides flow rate to wet common tube diameters in horizontal line runs and secondary benefit of warming fluid for added performance
- Includes 4 gallon chemical resistant container, 1/6 HP submersible pump, two 5' hose assemblies and 8 ounce bottle of descaler solution

Order #	Mfg. #	Description	Each
W89-904	4387-01	Vital-Flo Descaler Kit	**869.00**
B86-032	4387-02	Vital-Flo Replacement Solution (8 oz.)	**27.99**

SpeedyBright Descaler

NEW



- Eliminates limescale, rust and lithium carbonate deposits from tankless and standard water heaters
- NSF approved for potable water

Order #	Mfg. #	Each
B88-143	SPDYBRT-CS	**99.00**

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Tankless Water Heater Drain Pan

- Designed to fit underneath most whole house tankless water heaters
- Provides water damage protection and flushing maintenance convenience
- Injection molded CPVC for superior strength and durability



Order #	Mfg. #	Each
B86-203	11476	**95.00**

Residential Electric Tankless Water Heaters

- Dry fire protection
- Easy install, easy maintenance
- Leak detection shutdown
- Scale reduction technology
- 5 yr limited warranty



Order #	Mfg. #	Model #	Volts	Max. Temp. Increase @ 1.50 GPM	Water Conn.	Width	Height	Depth	Wt. Lbs.
N99-138	R2VA-140E	R2VA-140E	240	64	3/4"	11-1/2"	17-3/4"	6-1/8"	13
N99-139	R4LA-180E	R4LA-180E	240	82	3/4"	17"	18-1/8"	6-1/8"	20
N99-143	R4LA-220E	R4LA-220E	240	—	3/4"	17"	18-1/8"	6-1/8"	20
N99-140	R4LA-240E	R4LA-240E	240	—	3/4"	17"	18-1/8"	6-1/8"	20
N99-141	R4LA-280E	R4LA-280E	240	—	3/4"	17"	18-1/8"	6-1/8"	20
N99-142	R4MA-320E	R4MA-320E	240	—	3/4"	17"	18-1/8"	6-1/8"	20

Electric Mini Tank

Tronic 3000 T Series

- Under-sink electric tankless water heaters
- 98% efficient
- Ultra compact and light weight
- Thermostatic control
- Copper heat exchanger with copper sheather heating elements



Order #	Mfg. #	Model #	Width	Height	Depth	Wt. Lbs.
N99-322	7738004996	Bosch ES2.5 MiniTank	14"	14"	10.25"	15.44
N99-323	7738004997	Bosch ES4 MiniTank	14"	14"	12.25"	17.31
N99-324	7738004998	Bosch ES8 MiniTank	17.5"	17.5"	14.5"	29.50



Aquefier Heat Recovery Unit

Heat Recovery for Domestic Hot Water



- Utilizes hot refrigerant gas from the compressor routed through the gas side of a heat exchanger to supply heated water to the water tank for domestic use
- Can be connected to an air conditioner, heat pump, or refrigeration compressor
- Factory wired and preset controls, factory set at 140°F
- High efficiency vented double-wall heat exchanger
- Aluminum cabinet with baked enamel finish
- Units will produce 5–7 gallons per hour of hot water per ton of compressor rating
- 5–7 GPH recovery rate at 15°F rise per nominal ton
- Suitable for use in 1.5 to 5 ton system

Order #	Mfg. #	Volts	Width	Height	Depth	Wt. Lbs.
L80-319	R6K-F	230	11"	22"	6"	16

Size Chart

Tons	Maximum One-Way Length 1/2" OD	5/8" OD	3/4" OD
Refrigerant Line			
2	Up to 16'	Up to 30'	N/A
3	Up to 9'	Up to 25'	Up to 30'
4	Up to 5'	Up to 13'	Up to 30'
5	N/A	Up to 9'	Up to 25'

Tons	Maximum One-Way Length 1/2" OD	5/8" OD	3/4" OD
Water Line			
2	150'	N/A	N/A
3	80'	150'	N/A
4	40'	100'	150'
5	25'	50'	150'

Pro-Connect Push™ Flexible Water Heater Connectors

- Lead free brass
- Push-on connection to copper, CPVC, or PEX
- Removal tool included with each valve
- Guaranteed for life



A



B

Fig.	Order #	Mfg. #	Description	Length	Conn.
A	**R87-972**	H-62023W-18	1/2" PRO-PUSH BV x 3/4" FPT LF WATER CNCT	18"	1/2" x 3/4" FIP
A	**R87-973**	H-62033W-18	3/4" PRO-PUSH BV x FPT LF WATER CNCT	18"	3/4"
B	**R87-978**	H-26033W-12	3/4" PRO-PUSH x FPT LF WATER CNCT	12"	3/4"
B	**R87-979**	H-26033W-15	3/4" PRO-PUSH x FPT LF WATER CNCT	15"	3/4"
B	**R87-975**	H-26023W-18	1/2" PRO-PUSH x 3/4" FPT LF WATER CNCT	18"	1/2" x 3/4" FIP
B	**R87-974**	H-26033W-18	3/4" PRO-PUSH x FPT LF WATER CNCT	18"	3/4"
B	**R87-980**	H-26033W-24	3/4" PRO-PUSH x FPT LF WATER CNCT	24"	3/4"

Water Heater Connectors



- Flexible and seamless corrugated copper water connectors
- 125 PSI maximum

Order #	Mfg. #	Description	Length	Each
R88-013	10042	3/4" FIP x 3/4" FIP	12"	**25.49**
R88-014	10062	3/4" FIP x 3/4" FIP	18"	**32.99**
R88-015	10082	3/4" FIP x 3/4" FIP	24"	**40.49**
R88-016	10055	3/4" FIP x Sweat	15"	**29.99**
R88-017	10032	3/4" FIP x Sweat	18"	**27.99**

Water Heater Handle



- Screws onto the inlet/outlet of water heaters for secure carrying
- Carrying strap acts as a bottom sling for an easier 2-person lift
- Steel 'T' shaped handles with 1" female threaded end
- Includes 1" to 3/4" steel reducer

Order #	Mfg. #	Each
H28-899	TFXWHH	**135.00**

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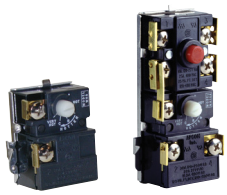
Water Heater Thermostats

Replaces APCOM Thermostats

- Replacements for domestic water heaters, for State water heaters and most new production water heaters
- Can replace old style Robertshaw, APCOM and Therm-O-Disc®
- Temperature range: 120°F to 160°F
- Electrical rating: 7200 watts @ 240V

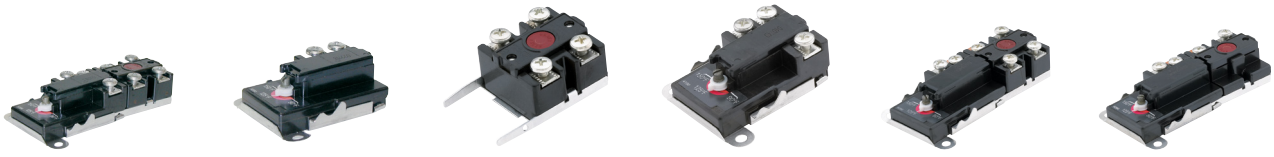


A B

Fig.	Order #	Mfg. #	Type	Each
A	**N45-065**	5600-411	Single Throw	**55.00**
B	**N45-066**	5600-311	Single Pole/Double Throw w/ Reset	**85.00**

Electric Water Heater Thermostats

- 59T series adjustable controls and 66T series manual reset limits
- Found on A.O. Smith, Rheem and American Water Heater Group
- New "US Standards" thermostats with 90°F to 150°F range
- Pointer set at 120°F to satisfy industry's scalding concerns in residential use



A B C D E F

Fig.	Order #	Mfg. #	Calibration	Volts	Application	Temp. Range	Type	Each
A	**N45-073**	756-50	120°F	240	Upper Combination T-Stat for 2 Element Tanks	90°F to 150°F	Auto Reset SPDT	**75.00**
B	**N45-074**	755-1	120°F	240	Lower T-Stat for 2 Element Tanks	90°F to 150°F	SPST T-Stat Only	**36.49**
C	**N45-075**	754-1	170°F	240	High-Limit Manual Reset for 2 Element Tanks	170°F	DPST	**32.49**
D	**N45-076**	756-1	120°F	240	Upper Combo Cycling T-Stat Only for 2 Element Tanks	90°F to 150°F	SPDT	**44.49**
E	**N45-077**	755-50	120°F	240	Combination 240VAC T-Stat w/ Reset for Single Element Tanks	90°F to 150°F	SPST T-Stat w/ DPST Manual Reset	**69.00**
F	**N45-078**	755-100	120°F	120	Combination 120VAC T-Stat w/ Reset for Single Element Tanks	90°F to 150°F	SPST T-Stat w/ SPST Manual Reset	**69.00**

Gas Water Heater Control

- Automatic shutoff on main and pilot gas in the event of pilot failure
- Built-in E.C.O. (energy cut off) non-cycling high limit
- 1/2" inlet; 1/2" inverted flare outlet with adapter fittings for 3/8" FPT; 3/4" x 1-1/4" shank; 4-1/2" insertion bulb



Order #	Mfg. #	Pressure Setting	Pilot	Each
N45-205	37C73U-168	3.5" W.C.	Fixed	**299.00**

LP Gas Water Heater Control

- Designed with built-in, non-recycling energy cutoff (ECO) device; gas shuts off at excessive water temperature — 160°F
- Incorporates new, easy-to-adjust pressure regulator to maintain constant outlet pressure on pilot and main burner
- 100,000 BtuH capacity
- Control has internal sediment trap
- Dimensions: inlet 1/2" pipe; outlet 1/2" inverted flare; shank 1-5/8"
- Pressure: preset 10" (adjustable 9" W.C. to 12" W.C.)
- Includes 3/8" NPT reducer bushing

Warning: Outlet to gas burner has right hand threads and does not replace Robertshaw Model #R65RR.



Order #	Mfg. #	Each
N45-069	110-262	**725.00**

Convertible Gas — Water Heater Control

For Modular and Mobile Home Applications



- Main gas and pilot gas have reversible conversion from LP to natural gas
- Balanced pressure regulator
- Built-in, non-cycling energy cutoff (ECO) system to shut off all gas to water heater in case of excessive water temperature
- 160°F temperature dial
- 1-3/8" shank length, 1/2" inverted flare outlet, 1/2" pipe inlet
- Includes 3/8" NPT reducer bushing

Order #	Mfg. #	Each
N45-079	110-204	**329.00**

Shank Extension



- Increases 1-1/4" and 1-3/8" shank length on Robertshaw controls to approximately 3"

Order #	Mfg. #	Each
N45-071	10-250	**59.00**

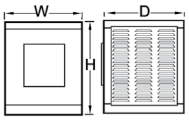
Evaporative Coolers

Cabinet Only



- Choose from side or down discharge models
- Models include pump, float, bleed-off and quick disconnect
- Can also be used as a make-up air unit in bakeries and laundromats
- All units use 1725 RPM motors, 120V single-phase
- Blower wheel, blower pulley and belt included

Note: Order motor, motor pulley, electrical pigtail and clamps separately.



Side Discharge

Order #	Mfg. #	Model #	CFM	Volts	Pad Height	Pad Depth	Pad Width	Uses Pad Dimensions	Height	Width	Depth	Wt. Lbs.
B92-878	FD350A	FD350A	2,180	115	27"	2"	22"	21" x 25"	32"	28"	28"	150
B92-879	FD450A	FD450A	3,130	115	31"	2"	28"	28" x 29"	36"	34"	34"	215
B92-880	FD650A	FD650A	4,130	230	37-1/4"	2"	31"	31" x 35"	42-1/4"	37"	37-1/4"	290
B92-881	FS350A	FS350A	2,180	115	27"	2"	22"	22" x 25"	36"	34"	28"	150
B92-882	FS450A	FS450A	3,130	115	31"	2"	28"	28" x 29"	36"	34"	34"	215
B92-883	FS650A	FS650A	4,130	230	37-1/4"	2"	31"	31" x 35"	42-1/4"	37"	37-1/4"	290

Selection Guide

Downdraft Order #	Side Draft Order #	Mfg. #	CFM Rating Standard	Motor Needed	Pad Height	Pad Width	Wt. Lbs.
B92-878	**B92-881**	FD/FS 350	3,000	1/3 HP	25"	22"	108
B92-879	**B92-882**	FD/FS 450	4,000	1/3 HP	29"	28"	138
B92-879	**B92-882**	FD/FS 450	4,500	1/2 HP	29"	28"	138
B92-880	**B92-883**	FD/FS 650	5,500	1/2 HP	35"	31"	177
B92-880	**B92-883**	FD/FS 650	6,500	3/4 HP	35"	31"	177

Motor Type	Emerson	A.O. Smith	Pigtail	Pulley	Clamp
1/3 HP, 1-Speed	S88-071	S88-843	S58-752	L36-550	S58-286
1/3 HP, 2-Speed	S88-072	S88-844	S58-722	L36-550	S58-286
1/2 HP, 1-Speed	S88-073	S88-845	S58-752	L36-795	S58-286

Motor Type	Emerson	A.O. Smith	Pigtail	Pulley	Clamp
1/2 HP, 2-Speed	S88-074	S88-846	S58-722	L36-795	S58-286
3/4 HP, 1-Speed	S88-075	S88-847	S58-752	L36-553	S58-286
3/4 HP, 2-Speed	S88-076	S88-848	S58-722	L36-553	S58-286

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Evaporative Coolers

Aerocool Pro Series Cabinets

- Choose from side or down discharge models
- Factory installed wired motors (120V/240V)
- Pro 4x4 high efficiency (93%) media
- Polymeric inner structure shields wet section from corrosion
- MIRROSCOPIC™ polished blower shaft finish creates quieter operation and longer shaft life
- Clean system drains and washes system daily
- Flo-Mate water distribution system
- PEBLAR XT™ powder coat outdoor finish
- Pro-shield winterizing protection panel is included
- UL classified



A



B

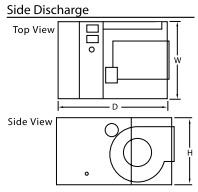

Fig.	Order #	Mfg. #	Model #	CFM	Volts	Pad Height	Pad Depth	Pad Width	Uses Pad Dimensions	Height	Width	Depth	Wt. Lbs.
A	**B99-088**	PD4803C	PD4803C	4,800	120	22-3/4"	8"	40"	40" x 22-3/4"	27-5/16"	42"	43"	195
A	**B99-090**	PD6803C	PD6803C	6,800	120	29-3/4"	8"	40"	40" x 29-3/4"	34-5/16"	42"	45"	232
B	**B99-092**	PH4803C	PH4803C	4,800	120	22-3/4"	8"	40"	40" x 22-3/4"	27-5/16"	42"	43"	195
B	**B99-094**	PH6803C	PH6803C	6,800	120	29-3/4"	8"	40"	40" x 29-3/4"	34-5/16"	42"	45"	232

Window Evaporative Coolers

- Completely assembled ready to install
- Complete with thermally protected 1/3 HP, 2-speed motor, pump, float and bleed off
- Double steel corners, constructed with multi-layered bottom pan
- Easy access to gravity held pad frames
- Installation kit included
- UL listed



Order #	Mfg. #	Model #	CFM	Volts	Pad Depth	Pad Width	Uses Pad Dimensions	Height	Width	Depth	Wt. Lbs.
B92-885	BW4002	BW4002	4,000	115	22"	31"	29" x 22"	37"	30"	28"	120

Evaporative Coolers

TBQI Series, Variable-Speed Motor, Down Draft

- Ideal for residential and light-commercial applications
- Inverter variable-speed axial fan motor offers maximum control over comfort and is energy-efficient
- Non-clogging, patented water distribution system
- Microprocessor constantly analyzes water quality and power output
- UV resistant, high strength long-life structural polymer cabinet
- Tornado® water pump with fully encapsulated motor windings, pumps in 1/2" water
- Long-life Chillcel pads provide maximum cooling
- Watermanager™ and auto drain function
- Choose from the MagIQtouch® wired control kit **B19-560** or MagIQtouch® wireless control kit **B22-021**
- Optional Internal Air Sensor **B19-559** for remote temperature and humidity sensing
- Optional External Air Sensor **B22-188** for remote outside temperature sensing
- Optional Link Module for installations where both internal and external sensors are required
- Optional AUTO Weatherseal helps to reduce air circulation - Requires a 21 5/8" square raw edged roof jack – not supplied with cooler



A



B

Fig.	Order #	Mfg. #	Model #	CFM	Volts	Pad Height	Pad Depth	Pad Width	Height	Width	Depth	Wt. Lbs.
A	**B64-344**	226323	TBQI5500-B	5,500	115	14-3/4"	3-1/2"	33-1/2"	31"	45-1/2"	45-1/2"	140
B	**B64-345**	226330	TBQI7500-B	7,500	115	20-3/4"	3-1/2"	33-1/2"	35-1/2"	45-1/2"	45-1/2"	150

Evaporative Coolers

EXT Series, Two-Speed Motor, Down Draft

- Molded one-piece polypropylene centrifugal fan cools more quietly and efficiently
- 2-speed junction box with on-board isolation switch and overload circuit breaker
- Non-clogging, patented water distribution system
- UV resistant, high strength polymer cabinet
- Tornado water pump with fully encapsulated motor windings, pumps in 1/2" water
- Long-life Chillcel® pads provide maximum cooling
- Optional 115V salinity manager **B17-196**



A



B

Fig.	Order #	Mfg. #	Model #	CFM	Volts	Pad Height	Pad Depth	Pad Width	Uses Pad Dimensions	Height	Width	Depth	Wt. Lbs.
A	**B99-611**	042909	EXT 155	5,500	115	31-1/2"	3-1/2"	17-1/2"	31-1/2" x 17-1/4" x 3-1/2"	26"	45-1/2"	45-1/2"	156
B	**B99-612**	046716	EXT 265	6,500	115	31-1/2"	3-1/2"	25"	31-1/2" x 25" x 3-1/2"	34"	45-1/2"	45-1/2"	190

Evaporative Coolers

EXVQ Series, Variable-Speed Motor, Down Draft



A B

- Molded one-piece polypropylene centrifugal fan cools more quietly and efficiently
- Non-clogging, patented water distribution system
- Microprocessor constantly analyzes water quality and power output
- UV resistant, high strength polymer cabinet
- Tornado water pump with fully encapsulated motor windings, pumps in 1/2" water
- Long-life Chillcel® pads provide maximum cooling
- Water manager and auto drain function
- Choose from the MagIQtouch® wired control kit **B19-560** or MagIQtouch® wireless control kit **B22-021**
- **B19-559** optional Internal Air Sensor for remote temperature and humidity sensing

Fig.	Order #	Mfg. #	Model #	CFM	Volts	Pad Height	Pad Depth	Pad Width	Height	Width	Depth	Wt. Lbs.
A	**B62-642**	043081	EXVQ155-B	5,500	115	31-1/2"	3-1/2"	17-1/2"	26"	45-1/2"	45-1/2"	157
B	**B62-643**	046785	EXVQ275-B	7,500	115	31-1/2"	3-1/2"	25"	34"	45-1/2"	45-1/2"	197

Evaporative Cooler

TBSI Commercial Series, Variable-Speed Motor, Down Draft



- UV resistant, high strength polymer cabinet
- Non-clogging, patented water distribution system
- Totally enclosed direct drive fan motor
- Polypropylene axial fan blade
- Microprocessor and control module
- Barometric damper reduces cold air from entering
- Tornado® water pump with fully encapsulated motor windings, pumps in 1/2" water
- Long-life Chillcel® pads provide maximum cooling
- MagIQtouch® wall control
- **B19-559** optional MagIQtouch® Internal Air Sensor for remote temperature and humidity sensing
- **B19-558** Optional MagIQtouch® Link Module

Order #	Mfg. #	Model #	CFM	Volts	Pad Height	Pad Depth	Pad Width	Height	Width	Depth	Wt. Lbs.
B60-164	226156	TBSI580-G	10,000	200-240	33-1/2"	4-3/4"	20-3/4"	32-7/8"	45-1/4"	45-1/4"	150

Evaporative Coolers

EXQ ICON Series, Variable-Speed Direct Drive Motor, Down Draft



- Non-clogging, patented water distribution system
- ECM direct drive motor
- Combined motor and fan to deliver optimum air output
- Microprocessor constantly analyzes water quality and power output
- UV resistant, high strength polymer cabinet
- Tornado® water pump with fully encapsulated motor windings, pumps in 1/2" water
- Long-life Chillcel® pads provide maximum cooling
- Water manager and auto drain function
- Choose from the MagIQtouch® wired control kit **B19-560** or MagIQtouch® wireless control kit **B22-021**
- **B19-559** optional Internal Air Sensor for remote temperature and humidity sensing

Order #	Mfg. #	Model #	CFM	Volts	Pad Height	Pad Depth	Pad Width	Height	Width	Depth	Wt. Lbs.
B62-644	043845	EXQ170-B	7,500	208/230	31-1/2"	3-1/2"	25"	34"	45-1/2"	45-1/2"	197
B62-645	046822	EXQ210-B	9,500	208/230	31-1/2"	3-1/2"	25"	34"	45-1/2"	45-1/2"	197

Evaporative Coolers

CTA Series, Two Speed Motor, Down Draft



A B

- Completely enclosed axial motor, excludes any moisture ingress
- 2-speed junction box with on-board isolation switch and overload circuit breaker
- Non-clogging, patented water distribution system
- Light weight Permatuf™ corrosion-proof cabinet
- Tornado® water pump with fully encapsulated motor windings, pumps in 1/2" water
- Long-life Chillcel® pads provide maximum cooling
- **B61-451** requires 2 pads
- 115V

Fig.	Order #	Mfg. #	Model #	CFM	Volts	Pad Height	Pad Depth	Pad Width	Height	Width	Depth	Wt. Lbs.
A	**B64-343**	226316	CTA250-B	6,000	115	33-1/2"	3-1/2"	14-3/4"	31"	45-1/2"	45-1/2"	132
B	**B61-451**	226217	CTA500-B	8,500	115	33-1/2"	3-1/2"	20-3/4"	35-1/2"	45-1/2"	45-1/2"	148

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Portable Evaporative Coolers

MobileMAX 2 and MobileMAX 3

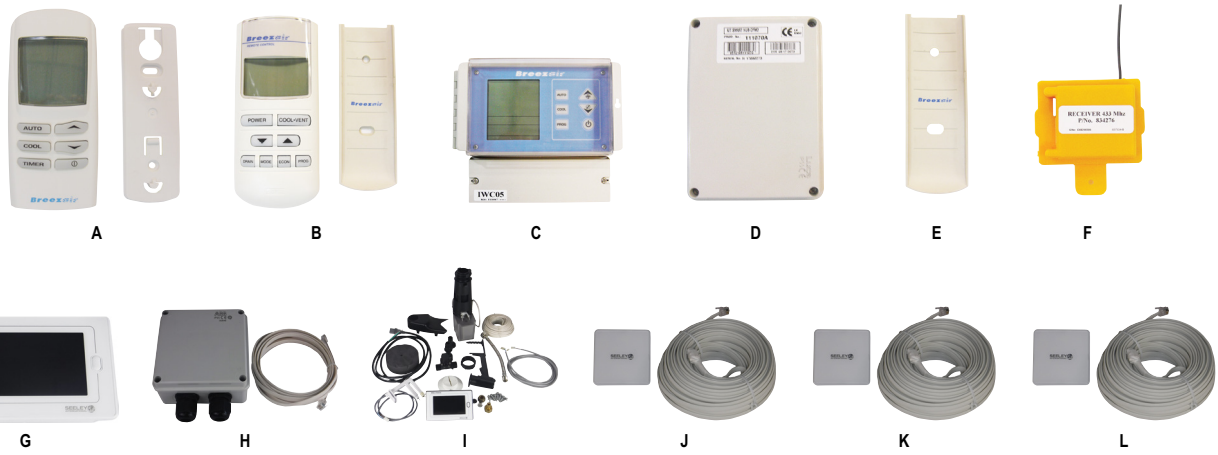
- UV resistant, high strength polymer cabinet
- Multiple commercial applications
- Filters out dust, pollen and contaminants
- Two-speed motor
- Easy access drain plug
- 26 gallon internal tank lasts up to 8 hours
- Can be connected to a dedicated water line or garden hose



A B

Fig.	Order #	Mfg. #	Motor HP	Volts	Amps	CFM	Sq. Ft. Cooling	Internal Water Tank	Length	Width	Height	Wt. Lbs.
A	**B99-618**	056531	3/4	115	8.4 / 5.6	6,500	2,500	26 Gal.	40"	40"	41"	188
B	**B99-619**	063539	1	115	11 / 7.1	8,500	3,500	26 Gal.	40"	40"	53"	210

Controls



A B C D E F

G H I J K L

Fig.	Order #	Mfg. #	Description	Type	For Use With
A	**B17-193**	115900	Harmony SensorTouch Wall Control	Wall Control	EXV, EXH
B	**B17-190**	110424	Horizon SensorTouch Wall Control	Wall Control	EXV, EXH
C	**B17-184**	114095	Industrial Wall Control Kit (Leads & Remote Sensor Included)	Wall Control	EXV, EXH, TBA
D	**B17-183**	111070	Smart Hub (Link Up to 5 Coolers)	Smart Hub	EXV, EXH, TBA
E	**B17-195**	106458	Wall Mount Plate (110424)	Mount Plate	EXV, EXH
F	**B17-191**	110448	Receiver — RF	Receiver	EXV, EXH
G	**B19-560**	094298	TBS MaglQtouch® Wired Wall Control Kit	Wall Control	EXVQ, EXQ, TBQI
G	**B22-021**	118376	MaglQtouch® Wireless RF Wall Control Kit	Wall Control	EXVQ, EXQ, TBQI
G	**B22-156**	902869	MaglQtouch® Receiver 915 Mhz	Receiver	TBQI, EXVQ, EXQ
G	**B22-157**	117911RP	MaglQtouch® Wireless RF Wall Control Handset	Wall Control	TBSI, TBQI, EXVQ, EXQ
H	**B19-558**	094274	MaglQtouch® Link Module	Link Module	TBS, TBSI
I	**B19-570**	903699	TBS MaglQtouch® Wired Packout Kit	Kit	TBS
J	**B19-559**	094328	MaglQtouch® Air Sensor (Internal)	Air Sensor	TBS, TBSI, TBQI, EXVQ, EXQ
K	**B22-188**	117324	MaglQtouch® Air Sensor (External)	Air Sensor	TBS, TBSI, TBQI, EXVQ, EXQ
L	**B22-163**	931412	Packout Kit	—	EXVQ, EXQ

Junction Boxes


A


B


C


D


E


F


G


H

Fig.	Order #	Mfg. #	Description	Type	For Use With
A	**B19-563**	116990	CPMD J-Box Variable Speed (UL)	J-Box	TBS
B	**B17-185**	114880	CPMD J-Box Variable Speed	J-Box	TBA
C	**B17-186**	111551	J-Box Variable Speed	J-Box	EM
D	**B17-187**	111568	J-Box 2-Speed	J-Box	EM, EXT
E	**B17-188**	109930	CPMD J-Box Variable Speed	J-Box	EXH
E	**B22-159**	116815	CPMD J-Box Variable Speed	J-Box	EXQ

Fig.	Order #	Mfg. #	Description	Type	For Use With
F	**B17-189**	110417	CPMD J-Box Variable Speed	J-Box	EXV
F	**B22-162**	117423	ICPMD J-Box Variable Speed	TBSI	J-Box
F	**B22-169**	118444RP	ICPMD J-Box Variable Speed	J-Box	TBQI
G	**B22-152**	110104	ICPMD J-Box Variable Speed	J-Box	EXVQ
H	**B22-164**	959529RP	Electrical Enclosure CTA250	J-Box	CTA250
H	**B22-168**	111254	Electrical Enclosure CTA500	J-Box	CTA500

Cables


A


B

Fig.	Order #	Mfg. #	Description	For Use With
A	**B17-209**	830971	Lead Assembly (15') — Receiver	EXV, EXH
B	**B17-210**	832777	Lead Assembly — Sensor Touch Wired Wall Control 20M	EXV, EXH, TBA
B	**B17-211**	833897	Lead Assembly — Sensor Touch Wired Wall Control 40M	EXV, EXH, TBA
B	**B19-569**	864402	Lead Assembly - MagIQtouch® Wired Wall Control 131' 6 Pin	TBS, TBSI, TBQI, EXVQ, EXQ, ENV
B	**B19-567**	833800	Lead Assembly - MagIQtouch® Wired Wall Control 65' 6 Pin	TBS, TBSI, TBQI, EXVQ, EXQ, ENV
B	**B19-568**	861265	Lead Assembly 3M Comm Cable for MagIQtouch® Link Module	TBS, TBSI

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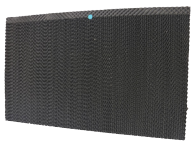
Cooler Pads and Parts


A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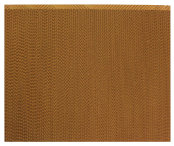
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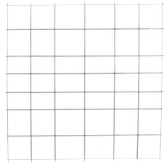
E


F


G


H



I


J


K

Fig.	Order #	Mfg. #	Description	Size	Type	For Use With
A	**B99-623**	100159	Aspen Pad — Small	23" x 24"	Pad	EAD/S-148 & WV 47
A	**B99-624**	100203	Aspen Pad — Medium	23-1/2" x 31"	Pad	EAD/265 & MMAX2
A	**B99-625**	100258	Aspen Pad — Large	32" x 34"	Pad	EAD/385 & MMAX3
B	**B19-564**	116242	Chillcel Pad- Set of 4	20-3/4" x 30-1/2" x 4-3/4"	Pad	TBS, TBSI
C	**B99-626**	114606	Chillcel Pad- Set of 4	20-3/4" X 33-1/2" X 3-1/2"	Pad	TBA
C	**B99-627**	114613	Chillcel Pad- Set of 4	31-1/2" X 25" X 3-1/2"	Pad	EM, EXT, EXV, EXH170, EXVQ, EXQ170
C	**B99-628**	114620	Chillcel Pad- Set of 4	31-1/2" x 17-1/2" x 3-1/2"	Pad	EM, EXT, EXV, EXVQ
C	**B99-629**	114583	Chillcel Pad- Set of 4. 2 pads 3-1/2" thick. 2 pads 4" thick	31-1/2" x 24" x 4"	Pad	EXH210, EXVQ210
D	**B99-633**	505855	Pad Frame Beige	40" x 21"	Frame	EM, EXT, EXV, EXVQ
D	**B99-634**	505954	Pad Frame Beige	40-1/2" x 28-1/2"	Frame	EM, EXT, EXV, EXH, EXVQ, EXQ
E	**B85-529**	100005	Pad Wire — Small	23" x 24"	Pad	EA
E	**B85-530**	100050	Pad Wire — Medium	23-1/2" x 31"	Pad	EA
E	**B99-620**	100104	Pad Wire — Large	32" x 34"	Pad	EA
F	**B17-202**	541679	Corner Pad Clips	3" x 1/2"	Pad Clips	EM, EXT, EXV, EXH, EXVQ, EXQ
G	**B17-198**	401966	Pad Retaining Disc	1-3/4" x 1/8"	Pad Disc	EM, EXT, EXV, EXH, TBA, TBS, TBSI, EXVQ, EXQ
H	**B21-701**	561067	Pad Retaining Pin	6"	Pad Pin	EM, EXT, EXV, EXH, TBA, TBS, TBSI, EXVQ, EXQ
B	**B64-321**	114590	Chillcel Pad - Set of 4	33-1/2" x 14-3/4" x 3-1/2"	Pad	CTA250, TBQI5500
H	**B64-326**	560670	Pad Frame Medium	44" x 21" x 7"	Frame	CTA250
I	**B64-327**	560731	Pad Frame Large	44" x 29" x 7"	Frame	CTA500
J	**B64-328**	560564	Pad Frame Medium	44" x 21" x 7"	Frame	TBQI5500
—	**B64-329**	560601	Pad Frame Large	44" x 29" x 7"	Frame	TBQI7500
K	**B64-333**	560595	Pad Frame	43" x 27" x 5.5"	Frame	TBA,TBS,TBSI

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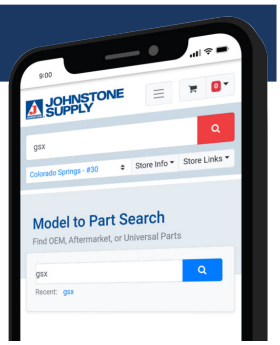
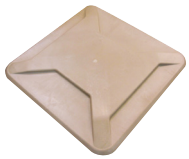


Cabinets


A


B


C


D


E

Fig.	Order #	Mfg. #	Description	Type	For Use With
A	**B99-631**	505152	Lid Beige	Lid	EM, EXT, EXV, EXH, EXVQ, EXQ
B	**B99-632**	505350	Tank Beige	Tank	EM, EXT, EXV, EXH, EXVQ, EXQ
C	**B22-174**	560212	Transition Piece	Seal	CTA, TBQI
D	**B22-175**	111650	MagilQtouch® Transition Assembly With Flaps	Seal	TBA, TBS, TBSI
E	**B22-186**	560946	Motor Mount Superstealth	Mount	—
—	**B22-189**	560199	Motor Mount Assembly	Mount	—
—	**B64-324**	560021	Lid And Spreader Assembly Beige	Lid	CTA, TBQI
—	**B64-325**	560069RP	Tank Assembly Beige	Tank	CTA, TBQI
—	**B64-330**	560014	Lid And Spreader Assembly Grey	Lid	TBA, TBS, TBSI
—	**B64-331**	560052RP	Tank Assembly Grey	Tank	TBA, TBS, TBSI
—	**B64-332**	111148	MagilQtouch® Flaps Only - (2ea)	Seal	TBA, TBS, TBSI
—	**B64-342**	122526	Weatherseal L/R Axial Kit	Seal	—
—	**B87-652**	560250	Pillar Corner Post Medium	Post	—

Leg Extensions


A


B

C

Fig.	Order #	Mfg. #	Description	Type	For Use With
A	**B99-630**	113098	Leg Support Kit w/Foot (Set of 4)	Leg	TBA, TBS, TBSI, TBQI, CTA
B	**B17-201**	509518	Leg Extension Foot	Leg	EM, EXT, EXV, EXH, TBA, TBS, TBSI, EXVQ, EXQ
C	**B84-527**	573625	Leg Extension	Leg	EM, EXT, EXV, EXH, EXVQ, EXQ

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Motors and Motor Pulleys


A


B


C


D


E


F


G


H

Fig.	Order #	Mfg. #	Description	Type	For Use With
A	**B84-512**	95257	Motor Variable-Speed 1/2 HP	Motor	EM
A	**B84-513**	95264	Motor Variable-Speed 3/4 HP	Motor	EM, EXV, EXVQ
A	**B84-514**	95271	Motor Variable-Speed 1 HP	Motor	EM, EXV, EXVQ
A	**B84-515**	95431	Motor 2-Speed 1/2 HP	Motor	EM
A	**B84-517**	95455	Motor 2-Speed 3/4 HP	Motor	EM, EXT, MMAX2
A	**B84-516**	95448	Motor 2-Speed 1 HP	Motor	EM, MMAX3
B	**B84-520**	95943	Motor Variable-Speed 1 HP	Motor	EXH, EXQ170
B	**B84-521**	95967	Motor Variable-Speed 2 HP	Motor	EXH, EXQ210
C	**B17-228**	108063	Motor Pulley plastic 4" (EXV 155/275)	Motor Pulley	EXV, EXVQ
C	**B17-229**	108070	Motor Pulley plastic 3 1/2"	Motor Pulley	EM, EXT
D	**B17-230**	109459	Bearing Kit	Bearing Kit	EXV, EM, EXT, EA, EXVQ, MMAX2, MMAX3
E	**B19-557**	91419	Motor Variable -Speed 1 HP	Motor	TBS
F	**B21-700**	560175	Fan Axial	Fan	TBS
G	**S59-780**	872247RP	Motor 2-Speed 330W	Motor	CTA250
G	**S59-782**	118420RP	Motor Variable-Speed 300W	Motor	TBQI5500
G	**S59-783**	118437RP	Motor Variable-Speed 380W	Motor	TBQI7500
G	**S59-784**	116938RP	Motor Variable-Speed 950W	Motor	TBSI
G	**S59-781**	116818	Electric Motor 2-Speed	Motor	CTA500
H	**B19-565**	560182	Collet for Motor Shaft	Collet	TBA, TBS, ENV, TBSI

Fan Parts

Fig.	Order #	Mfg. #	Description	Type	For Use With
A	**B17-199**	501703	Fan Pulley 9"	Fan Pulley	EM, EXT, EXV, EXVQ
A	**B17-200**	501710	Fan Pulley 8"	Fan Pulley	EM, EXT, EXV, EXVQ
B	**B84-522**	502106	Fan Shaft — Small 20"	Shaft	EA 148, WV
B	**B84-523**	504605	Fan Shaft — Medium/Large 24"	Shaft	EA 265/385, EXT, EXV, EM, EXVQ
—	**B22-166**	113085	Fan Inlet Ring	Fan Inlet Ring	—
—	**B22-167**	560922	Fan Axial LCB	Fan Axial LCB	CTA


A

B

Pumps



A



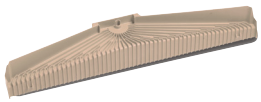
B



C

Fig.	Order #	Mfg. #	Description	Type	For Use With
A	**B84-518**	95851	Tornado Pump® — 115V	Pump	EM, EXT, EXV, EM, MMAX, EXVQ
A	**B84-519**	95905	Tornado Pump® — 230V	Pump	EXH, TBA, EXQ
A	**B19-562**	116006	Tornado Pump® — 230V (UL)	Pump	TBS, TBSI
B	**B17-196**	112152	Salinity Manager — 115V	Salinity Manager	EM, EXT
B	**B87-651**	97091	Tornado® Water Pump - 115V/60Hz	Pump	CTA
C	**B87-655**	118413RP	Tornado® Water Pump - 115V	Pump	TBQI

Spreaders



Order #	Mfg. #	Description	For Use With
B84-524	506630	Spreader — Small	EAD
B84-525	506777	Spreader — Medium/Large	EAS, MMAX
B84-526	506784	Spreader — Water Distribution (Pre-Drilled for Mounting)	EM, EXT, EXV, EXH, EXVQ, EXQ

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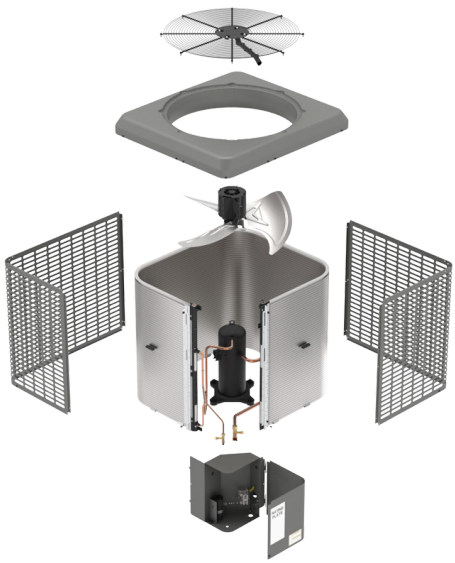

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Water Group Parts



Fig.	Order #	Mfg. #	Description	Type	For Use With
A	**B17-179**	105345	Auto Drain — 24V	Drain	EXV, EXH, TBA, TBS, EXVQ, EXQ
B	**B17-181**	107608	Bleed Off Funnel/Drain Adapter Kit	Drain	EM, EXT
C	**B17-182**	107691	Stand Pipe — Green Top	Pipe	EM
D	**B17-203**	593104	Snow Cone	Snow Cone	EA, WV, MMAX, EXT, EXV, EM, TBA, TBS, TBSI, EXVQ, EXV
E	**B17-215**	861593	Nut Snow Cone	Snow Cone	EA, WV, MMAX, EXT, EXV, EM, TBA, TBS, TBSI, EXVQ, EXV
F	**B17-204**	594910	Drain Valve Rubber Seal	Rubber Seal	EM, EXT, EXV, EXH, TBA, TBS, EXVQ, EXV
G	**B17-205**	661414	Brass Connector — 1/2" NPT — 1/4" Compression	Brass Connector	EM
H	**B17-206**	804415	O-Ring — Bleed Off Funnel — Small	Funnel	EM, EXT
H	**B17-207**	804811	O-Ring — Bleed Off Funnel — Large	Funnel	EM, EXT, EXV, EXH, TBA, TBS, EXVQ, EXV
I	**B17-208**	816074	Fitting Kit Solenoid (Nylon Seal & Brass Compression Nut)	Compression Nut	EXT, EXV, EXH, TBA, TBS, EXVQ, EXV
J	**B17-212**	834320	Solenoid Valve — 24V	Solenoid Valve	EXT, EXV, EXH, TBA, TBS, EXVQ, EXV
K	**B17-213**	850764	Flexible Hose & Washer Assembly	Assembly	EXT, EXV, EXH, TBA, TBS, TBSI, EXVQ, EXV
L	**B17-214**	901497	Vertical Float Valve/Float Assembly	Assembly	EM, EXT, EXV, EXH, TBA, TBS, TBSI, EXVQ, EXV
M	**B22-165**	560342	Bleed Funnel	Funnel	CTA
N	**B22-170**	116389	Auto Drain - 12V	Drain	TBSI, TBQI
O	**B22-171**	865607	Solenoid Valve - 12V	Valve	TBSI, TBQI
P	**B22-172**	865621	Water Probe	Probe	TBSI, TBQI
Q	**B22-173**	833811	Water Probe	Probe	EXV, EXH, TBA, TBS, EXVQ, EXQ

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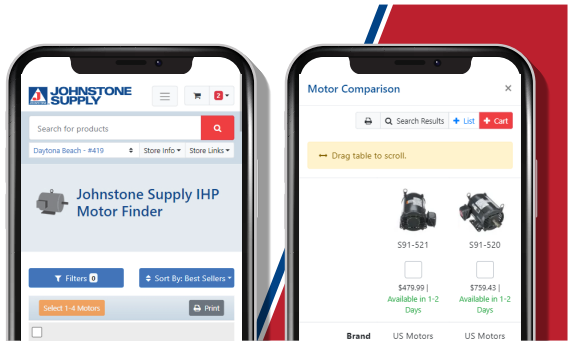

WHITE-RODGERS

Evaporative Cooler Control System



- Includes 24VAC thermostat (Mfg. #1**F51-619**) and control relay (Mfg. #8A18Z-2)
- Control relay functions as a switching device for the thermostat to provide an even cooling level plus a choice of high and low-speed fan control on evaporative coolers
- Designed with a fan delay (approximately 60 seconds) to pre-wet the cooler pads before the fan starts
- 100% automatic
- High or low fan speed selection
- Integral transformer 120/240VAC to 24VAC, 60 Hz
- Separate fan and pump relays
- Raintight relay enclosure
- Dimensions: 3-1/4" H x 4-1/2" W x 1-5/8" D (thermostat); 8-1/2" H x 6-1/8" W x 4-1/8" D (control relay)

Order #	Mfg. #	Description	Each
L37-281	21D28-6	Includes 240VAC thermostat and control relay	**429.00**

Contact Ratings

	----------Combined Relay Loads ----------		---------- Pump Relay ----------		---------- Fan Relay ----------	
Input V	F/L Amps	L/R Amps	F/L Amps	L/R Amps	F/L Amps	L/R Amps
120	16	96	10	60	12	72
240	8	48	5	30	6	36

Dial Manufacturing, Inc.

Digital Cooler Controller



- LCD digital temperature display
- Case door covers operating controls
- Single touch temperature adjustment
- Rated at 20A, 125V, 60 Hz for 1/3–1 HP motors

Order #	Mfg. #	Description	Size	Type	For Use With	Each
L39-511	7617	Digital Cooler Controller	3" x 4-1/2"	Switch	Down & Side Coolers	**185.00**

Dial Manufacturing, Inc.

Two-Speed Cooler Switch



- Recommended for evaporative coolers with two-speed blower motors
- Six-position rotary switch; white wall plate
- Kit includes mounting screws and wiring diagram
- Rated at 15A, 120V for 1/3–3/4 HP motors
- 2-3/4" W x 4-1/2" L x 1-1/2" H (knob to base of plate)

Order #	Mfg. #	Description	Size	Type	For Use With	Each
G22-278	7110	8 Position, 2 Speed Cooler Switch	4-3/4" x 2-1/2"	Switch	Down & Side Coolers	**26.49**

TPI Corporation

Line Voltage Cooling Thermostat

For Evaporative Coolers



- Large knob has temperature indicator with positive dial positions
- Vertical mount with easy to read thermometer
- Color: off-white
- Temperature range 50°F to 90°F; approximate differential 4°F; switch action — close on rise; 3/4 HP @ 125VAC, 1-1/2 HP @ 250VAC; 4-5/8" H x 2-3/4" W x 2-1/8" D

Order #	Mfg. #	Description	Size	Type	For Use With
L36-898	ET9SRTHS	Line Voltage Cooling Thermostat	3" x 5"	Switch	Evaporative Coolers

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Cooler Pads

- Aspen pad for use in evaportive cooler
- Expands to extra thick when wet for max cooling
- Uniformly distributed aspen fibers for lower cooling temps
- Extra long virgin aspen reduces fibers in cooler pan



A



B

Fig.	Order #	Mfg. #	Description	Size	Type	For Use With	Each
A	**B92-190**	3002	Aspen Pad	22" x 34"	Pad	Pad Frame Coolers	**12.49**
A	**B92-335**	3045	Aspen Pad	24" x 24"	Pad	Pad Frame Coolers	**11.99**
A	**B92-191**	3003	Aspen Pad	24" x 30"	Pad	Pad Frame Coolers	**11.49**
A	**B92-192**	3005	Aspen Pad	24" x 36"	Pad	Pad Frame Coolers	**13.49**
A	**B92-194**	3012	Aspen Pad	28" x 32"	Pad	Pad Frame Coolers	**13.49**
A	**B92-189**	3001	Aspen Pad	28" x 34"	Pad	Pad Frame Coolers	**13.99**
A	**B78-053**	3146	Aspen Pad	29" x 29"	Pad	Pad Frame Coolers	**12.99**
A	**B92-193**	3008	Aspen Pad	30" x 36"	Pad	Pad Frame Coolers	**17.99**
A	**B92-195**	3030	Aspen Pad	32" x 40"	Pad	Pad Frame Coolers	**20.99**
B	**B92-677**	3078	Dura-Cool Pad	29" x 144"	Roll	Down & Side Coolers	**115.00**
B	**B92-678**	3080	Dura-Cool Pad	36" x 240"	Roll	Down & Side Coolers	**239.00**
B	**B78-052**	3410	Aspen Roll	28" x 288"	Roll	Pad Frame Coolers	**89.00**

All-Ways Spider Head

- Universal Distribution Head Kit
- Includes adapter, 8-way head, S-plugs, MEK glue and adapter



Order #	Mfg. #	Description	Type	Each
B11-818	4777	Universal Distributor Head	Plastic	**14.49**

Distributor Tubes

- Use with Universal Distributor Head Kit for water distribution to pads
- Length 20"; package of four



Order #	Mfg. #	Description	Type	Each
B11-819	4648	Distributor Tubes	Plastic	**17.99**

Water Distributor Kits

- Includes tubes, distributor head, water distributor adapter, MEK solvent and instructions



Order #	Mfg. #	Description	Type	Each
B81-961	4489	3-Way Side Draft Kit	Plastic	**16.49**
B81-962	4493	6-Way Side Draft Kit	Plastic	**23.99**

Order #	Mfg. #	Description	Type	Each
B81-963	4497	4-Way Down Draft Kit	Plastic	**19.49**
B81-964	4501	8-Way Down Draft Kit	Plastic	**28.99**

Drain and Pipe Kits

- **B13-006** is brass with 1/2" MPT overflow pipe with hex head
- **B81-855** is nylon with 1/2" MPT overflow pipe with hex head
- **B81-856** is plastic with 1/2" MPT overflow pipe with hex head


A


B


C


D

Fig.	Order #	Mfg. #	Description	Type	Each
A	**B13-006**	9230	Overflow Kit	Brass	**13.49**
B	**B81-855**	9240	Overflow Kit	Nylon	**4.65**

Fig.	Order #	Mfg. #	Description	Type	Each
C	**B81-856**	9247	Overflow Kit	Poly	**4.59**
D	**B20-218**	9225	Drain Kit	Brass	**12.99**

Poly/Vinyl Tubing

- 1/4" tubing is used to run water to unit
- 1/2" tubing is used to run water from pump to distributor



Order #	Mfg. #	Description	Size	Type	For Use With	Each
B13-253	4288	1/4" — 25 ft. Copper Poly	1/4" x 25'	Poly	1/4" Water Source	**9.75**
R88-030	4321	1/4" — 100 Ft. Black Poly	1/4" x 100'	Poly	1/4" Brass Compression fittings	**26.49**
B81-965	4325	1/4" — 1,000 Ft. Black Poly	1/4" x 1000'	Poly	1/4" Water Source	**235.00**
B13-254	4372	1/2" — 5 Ft. Vinyl Pump Hose	1/2" x 5'	Poly	1/2" Pump Outlets	**11.49**

Water Distributor Tube Retainer Clips


A


B

Fig.	Order #	Mfg. #	Description	Type	Each
A	**B13-004**	4630	Tube Retainer Clip	Black Plastic	**1.19**
B	**B13-255**	4626	Champion Tube Retainer	Black Plastic	**1.25**

Water Distributor Adapter

- Connects pump hose to water distributor head



Order #	Mfg. #	Description	Type	Each
B13-256	4619	Water Distributor Adapter	Plastic	**2.55**

Float Valves

- Float is made of high impact plastic
- 1/4" brass compression fitting
- **B14-290** has brass body, arm and stem; internal plunge rotates to discourage scale deposits
- **B14-291** has heavy-duty bronze body with brass arm and stem


A


B


C

Fig.	Order #	Mfg. #	Description	Type	Each
A	**B14-290**	4154	1/4" Brass Float Valve	Brass	**22.49**
B	**B14-291**	4161	1/4" HD Bronze Float Valve	Bronze	**34.49**
C	**B81-001**	4101	1/4" Float Plastic Valve	Plastic	**15.49**

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Float Valve



- 3/8" compression valve for industrial coolers
- Heavy-duty corrosion resistant bronze body, brass plunger, arm and stem
- Polypropylene float, two-piece arm with adjustable screw

Order #	Mfg. #	Description	Type	Each
B17-216	4164	3/8" HD Brass Float Valve	Brass	**36.49**

Cooler Coating



A B

- A heavy-bodied, thick asphaltic base coating, designed to coat and seal evaporative cooler bottom pans
- Protects cooler bottom pans against rust and corrosion
- Resistant to moisture, non-asbestos
- Has sound deadening qualities

Fig.	Order #	Mfg. #	Description	Size	Type	For Use With	Each
A	**B85-528**	5347	Cooler Coating - 1 Quart	1 Qt.	Liquid	Cooler Pans	**18.99**
B	**B86-755**	5328	20 Oz Cooler Coating	20 oz.	Can	Cooler Pans	**31.49**

Hose Cap Nut and Brass Sill Cock

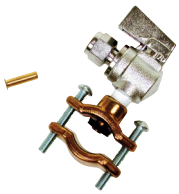


A B

- **R54-404** fits 3/4" female hose
- **R57-442** is cast brass 3/4" FHT inlet with 1/8" FPT side outlet and 3/4" male hose outlet; the wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight

Fig.	Order #	Mfg. #	Description	Size	Type	For Use With	Each
A	**R54-404**	311-12Q	Hose Cap Nut	3/4"	—	—	**3.09**
B	**R57-442**	92516	Low Lead Brass Sillcock	3/4" FGH x 3/4" MGH	Hosebib	3/4" Hose Bibs	**35.49**

Saddle Valve



- 1/4" O.D. compression outlet with stainless steel ball valve and brass saddle
- Fits 3/8" to 1-3/8" O.D. pipe

Order #	Mfg. #	Description	Size	Type	For Use With	Each
B15-338	9446	Stainless Steel 1/4" Water Saddle Valve	1/4" cc x 1/8 mpt	Angle	1/4" Copper or Poly Tubing	**31.49**

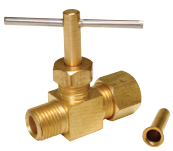
Needle Valves



- Straight compression water shutoff valves
- Lead free

Order #	Mfg. #	Size	Type	Each
R57-398	JS-LF5488504049826	1/4" x 1/4"	Straight	**12.99**
R57-399	JS-LF5488506069826	3/8" x 3/8"	Straight	**20.49**

Needle Valves



- Water shutoff valves for installing coolers
- **R57-435** wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight

Order #	Mfg. #	Description	Size	Type	For Use With	Each
R55-722	9426	1/4" cc x 1/8" MPT Stainless Steel Angle Valve	1/4" cc x 1/8" MPT	Straight, Stainless Steel Ball Valve	1/4" Copper or Poly Tubing	**26.49**
R57-435	94196	1/4" Straight Valve	1/4" cc x 1/8" MPT	Straight	1/4" Copper or Poly Tubing	**11.49**
R57-436	94396	1/4" Angle Valve	1/4" x 1/8"	Angle	1/4" Copper or Poly Tubing	**13.99**

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Saddle Tapping Valve

- Fits 3/8" to 1-3/8" O.D. tube
- For installing ice machines and evaporative coolers
- Self-piercing on copper tubing
- Installs on pipe, if hole is pre-drilled
- 1/4" O.D. compression outlet
- Includes fittings for copper and plastic tubing
- Stainless steel piercing needle
- Molded gasket to seal on both pipe and valve
- Low lead



Order #	Mfg. #	Each
B18-879	STV2LL	**15.49**

EZ-ADD-A-VALVES

- Ideal for humidifier and evaporative cooler installations
- Full-slip compression or sweat styles
- 1/4" OD compression on shut-off valve
- Lead free



Fig.	Order #	Trunk Size	Each
A	**R57-447**	1/2" FSWT	**35.49**
A	**R57-448**	3/4" FSWT	**37.49**
B	**R57-449**	5/8" OD Compression	**55.00**
B	**R57-450**	7/8" OD Compression	**89.00**

Pro-Pal T-Valve OD Compression Valves and Press Run ◀NEW

- Full port forged DZR brass ball valve, with integrated tee fitting, adjustable packing gland, & reversible handle
- Ideal for branch connections and shut-offs in tight locations
- Replaces 3 components
- Eliminates 2 leak paths



Order #	Mfg. #	Model #	Conn. Size	Ball/Stem Material
R59-779 ◀	H-80670W-T12	H-x267	1/4"x1.2"	Brass
R59-780 ◀	H-80670W-T34	H-x267	1/4"x3/4"	Brass
R59-781 ◀	H-80671W-T12	H-x267	3/8"x1/2"	Brass
R59-782 ◀	H-80671W-T34	H-x267	3/8"x3/4"	Brass

Zinc Blower Pulleys



Order #	Mfg. #	Diam.	Hub Bore	Wt. Lbs.	Each
B81-966	6328	11"	3/4"	2.04	**55.00**
B81-967	6330	11"	1"	2.1	**55.00**
B81-968	6340	14"	3/4"	2.96	**75.00**
B81-969	6341	14"	1"	2.86	**75.00**

Blower Shafts

- Hollow shafts
- Seamless polished steel and chamfered ends with 1-1/2" flats



Order #	Mfg. #	Diam.	Length	Each
B81-970	6713	3/4"	21"	**26.49**
B81-971	6716	3/4"	24"	**30.99**
B81-972	6722	1"	24"	**38.99**
B81-973	6736	1"	27"	**39.99**

Leather Washers



Order #	Mfg. #	Description	Size	Type	Bore	For Use With	Each
B13-257	6927	3/4" Leather Washer	3/4"	Leather	3/4"	3/4" Shafts	**1.95**
B13-258	6933	1" Leather Washer	1"	Leather	1"	1" Shafts	**2.19**

Little GIANT



Evaporative Cooler Pumps

Heavy-Duty, Moisture-Proof Windings

- For residential and commercial cooler applications
- Corrosion-resistant, one-piece steel motor shaft
- Snap-off volute for easy cleaning
- Polyester impeller
- Heavy-duty fan-cooled motor with oversized sleeve bearings, moisture-proof windings
- Mesh debris screen
- All have 4' power cord with 3-prong plug

Order #	Mfg. #	HP	Max. CFM	Volts	GPH @ 1'	GPH @ 10'	Height	GPH @ 3'	GPH @ 5'	Shutoff	Wt. Lbs.	Each
B81-206	540005	1/70	7,500	115/127	307	—	8-13/16"	265	213	9.5'	2.5	**89.00**
B81-041	540015	1/70	7,500	230	307	—	8-13/16"	265	213	9.5'	2.5	**99.00**
B80-944	541005	1/50	15,000	115	502	89	9"	440	371	11.0'	3.0	**115.00**
B81-042	541015	1/50	15,000	230	502	89	9"	440	371	11.0'	3.0	**115.00**
B80-942	542005	1/30	21,000	115	563	231	9"	512	460	12.0'	3.5	**145.00**
B81-043	542015	1/30	21,000	230	563	231	9"	512	460	12.0'	3.5	**155.00**

Motor Cords



- For use with evaporative cooler motors up to 1 HP
- 36" length

Order #	Mfg. #	Description	Size	Type	For Use With	Each
S58-752	7539	1-Speed Cord	36"	Cord	1 Speed Motor	**25.49**
S58-722	7546	2-Speed Cord	36"	Switch	1 & 2 Speed Motors	**28.99**

Evaporative Cooler Economy Pump



- Replacement pump for all coolers rated up to 5,000 CFM
- Fits Champion cooler pump mounting bracket
- 115V, comes with molded 3-prong plug
- Built-in thermal overload protection
- UL recognized/classified
- Flame retardant motor housing
- 225 GPH @ 1

Order #	Mfg. #	HP	Max. CFM	Phase	Volts	Outlet Conn.	GPH @ 1'	Height	GPH @ 3'	GPH @ 4'	GPH @ 5'	Wt. Lbs.	Each
B81-859	1055	1/60	5,000 CFM	UL5000 Offset Pump	115	1/2"	225	8"	200	175	140	1.88	**65.00**

Contractor Series Evaporative Cooler Pumps

- Heavy-duty, low-level design pumps efficiently down to 1/2"
- Corrosion resistant shaft, larger bearings and increased oil reservoir
- Energy efficient concentric motor design
- UL recognized/classified
- City of Los Angeles approved



A



B



C

Fig.	Order #	Mfg. #	HP	Max. CFM	Phase	Volts	Outlet Conn.	GPH @ 1'	Height	GPH @ 3'	GPH @ 4'	GPH @ 5'	Wt. Lbs.	Each
A	**B81-860**	1016	1/60	Up to 8,500	UL6500T-LL	115	1/2" & 5/8" Hose	325	8"	275	250	220	2.58	**75.00**
B	**B86-749**	1023	1/40	8,500-15,000	UL15000-LL	115	1/2" & 5/8" & 3/4" Hose	505	10"	450	415	380	3.55	**139.00**
C	**B86-750**	1400	1/30	15,000-25,000	UL25000-LL	115	5/8" & 3/4" Hose	580	10"	520	490	450	3.22	**165.00**

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Pump Screen and Baskets

- **B11-942** Adjustable polyethylene pump screen fits all pump models
- **B13-002** Polyethylene formed basket fits all pump models
- **B13-003** is poly-mesh OEM style for both concentric and offset pumps


A


B


C

Fig.	Order #	Mfg. #	Description	Size	Type	For Use With	Each
A	**B11-942**	4238	Adjustable Pump Screen	18" x 3-1/2"	Poly	Cooler Pumps	**5.79**
B	**B13-002**	4218	Pump Basket	8" x 6" x 3-1/2"	Poly	Cooler Pumps	**6.85**
C	**B13-003**	4222	Mesh Pump Basket	8" x 6" x 1"	Poly-Mesh	Cooler Pumps	**4.25**

Fresh Aire Cake

- Time release formula controls unpleasant algae and bacteria odors in evaporative coolers
- Not for use in potable water
- Can divide cake four ways



Order #	Mfg. #	Description	Size	Type	For Use With	Each
B13-005	5255	Fresh Air Cake	3" x 3"	Plaster	All Coolers	**8.19**

Infrasave

Shop / Garage IR Tube Heater

Residential Compact Series

- Completely assembled, lift and hang right out of the box
- One piece 4" aluminized steel tube
- Complete with 120V cord and plug
- Status indicator lights
- Accessories included in carton
- 24VAC thermostat
- Thermostat wire – 20ft
- Hanging chain and safety hooks
- 80%+ efficiency
- 3-year warranty
- Easy to open and service Premier burner box
- Optional safety cover available



Order #	Mfg. #	Model #	BtuH Input	Shipping Dimensions	Shipping Wt. Lbs.
L81-286	PU-R040-BN	P40-R	40,000	20" W x 12" H x 120" L	96

Luminous Heaters

IL Series

- High performance ceramic tile burner
- Aluminized steel burner housing
- Each burner with independent ignitor and sensor
- Direct spark ignition with 100% shutoff for safety
- Full operation temperature and safe cool-down in 60 seconds
- Large bell shaped venturi for optimum gas air mixture
- Mounting height between 15' and 100'
- Horizontal to 45 degree mounting angle
- Entire space or spot heating applications
- Ideal for buildings with negative air problems
- All models are natural gas, LP kits sold separately, comes pre-assembled
- Parts replacement for 10-years on the ceramic tiles and 2-years on all components

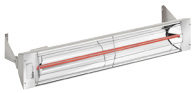


Order #	Mfg. #	Model #	BtuH Input	Shipping Dimensions	Shipping Wt. Lbs.
L97-276	IL-0037-NG	IL 37	37,000	16" W x 14" H x 39" L	30
L97-277	IL-0050-NG	IL 50	50,000	16" W x 14" H x 46" L	35
L97-278	IL-0075-NG	IL 75	65,500	15-1/4" W x 13" H x 56" L	31

Order #	Mfg. #	Model #	BtuH Input	Shipping Dimensions	Shipping Wt. Lbs.
L97-279	IL-0100-NG	IL 100	100,000	15-1/4" W x 13" H x 70-1/2" L	42
L97-280	IL-0150-NG	IL 150	143,000	23" W x 11-1/2" H x 57-3/4" L	63
L97-281	IL-0200-NG	IL 200	200,000	23" W x 11-1/2" H x 72-1/2" L	73

Infrared Electric Heaters

ES/ESD Series, Indoor/Outdoor Overhead Heaters



A



B

- For spot or space heating indoor/outdoor applications
- Weatherproof stainless-steel heater
- 92% radiant efficiency
- Polished aluminum reflector and quartz lamps
- Stainless steel wire guards
- Mounting options include ceiling, flush mount/recessed and post-mount
- For use with restaurants, hotel patios, sports venues, outdoor areas, balcony/terraces, hobby shops, garage/workshops, warehouse facilities, etc.
- 60° symmetrical reflector pattern

Fig.	Order #	Mfg. #	kW	BtuH	Volts	Phase	Amps	Watts	Shipping Dimensions	Shipping Wt. Lbs.	Reflector Pattern	Length
120V Infrared Electric Heater												
A	**X93-111**	ES-0519-12	0.5	1,706	120	1	4.2	500	9" W x 9" H x 22" L	10	60° Symmetrical	19-1/2"
A	**X93-112**	ES-0719-12	0.75	2,559	120	1	6.3	750	9" W x 9" H x 22" L	10	60° Symmetrical	19-1/2"
A	**X93-113**	ES-1033-12	1.0	3,412	120	1	8.3	1,000	9" W x 9" H x 36" L	12	60° Symmetrical	33"
A	**X93-114**	ES-1533-12	1.5	5,118	120	1	12.5	1,500	9" W x 9" H x 36" L	12	60° Symmetrical	33"
208V Infrared Electric Heater												
B	**X93-115**	ES-1533-20	1.5	5,118	208	1	7	1,500	9" W x 9" H x 36" L	12	60° Symmetrical	33"
B	**X93-117**	ES-2039-20	2.0	6,824	208	1	10	2,000	9" W x 9" H x 42" L	13	60° Symmetrical	39"
B	**X93-119**	ES-2539-20	2.5	8,530	208	1	12	2,500	9" W x 9" H x 42" L	13	60° Symmetrical	39"
B	**X93-121**	ES-3033-20	3.0	10,236	208	1	14	3,000	9" W x 9" H x 36" L	13	60° Symmetrical	33"
B	**X93-123**	ES-3061-20	3.0	13,649	208	1	14	3,000	9" W x 9" H x 64" L	20	60° Symmetrical	39"
B	**X93-125**	ES-4039-20	4.0	10,236	208	1	19	4,000	9" W x 9" H x 42" L	14	60° Symmetrical	61-1/4"
B	**X93-127**	ES-4061-20	4.0	13,649	208	1	19	4,000	9" W x 9" H x 64" L	20	60° Symmetrical	61-1/4"
B	**X93-129**	ES-5039-20	5.0	17,061	208	1	24	5,000	9" W x 9" H x 42" L	14	60° Symmetrical	39"
B	**X93-131**	ES-6061-20	6.0	20,473	208	1	28.8	6,000	9" W x 9" H x 64" L	21	60° Symmetrical	51-1/4"
240V Infrared Electric Heater												
B	**X93-116**	ES-1533-24	1.5	5,118	240	1	6.3	1,500	9" W x 9" H x 36" L	12	60° Symmetrical	33"
B	**X93-118**	ES-2039-24	2.0	6,824	240	1	8.3	2,000	9" W x 9" H x 42" L	13	60° Symmetrical	39"
B	**X93-120**	ES-2539-24	2.5	8,530	240	1	10.4	2,500	9" W x 9" H x 42" L	13	60° Symmetrical	39"
B	**X93-122**	ES-3033-24	3.0	10,236	240	1	12.5	3,000	9" W x 9" H x 36" L	13	60° Symmetrical	33"
B	**X93-124**	ES-3061-24	3.0	13,649	240	1	12.5	3,000	9" W x 9" H x 64" L	20	60° Symmetrical	39"
B	**X93-126**	ES-4039-24	4.0	10,236	240	1	16.7	4,000	9" W x 9" H x 42" L	14	60° Symmetrical	61-1/4"
B	**X93-128**	ES-4061-24	4.0	13,649	240	1	16.7	4,000	9" W x 9" H x 64" L	20	60° Symmetrical	61-1/4"
B	**X93-130**	ES-5039-24	5.0	17,061	240	1	20.8	5,000	9" W x 9" H x 42" L	14	60° Symmetrical	39"
B	**X93-132**	ES-6061-24	6.0	20,473	240	1	25	6,000	9" W x 9" H x 64" L	21	60° Symmetrical	51-1/4"

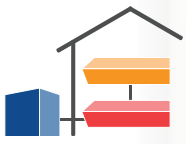
Outdoor Patio Heaters

IO-100 Series



- Heats up in as little as one minute
- Dual cabinet
- Optional faceplate available
- Balanced suspension points
- Remote or individual control of heaters
- Saves valuable floor space with 9ft minimum overhead mounting heights
- **L93-366** and **L93-367** offer 2-stage heating
- All heaters are manufactured in marine grade 316 stainless steel
- Corrosion resistant

Order #	Mfg. #	Model #	BtuH Input	Color	Shipping Dimensions	Shipping Wt. Lbs.
L92-365	IO-0135-NG	IO 135 - Natural Gas	35,000	Black	12" W x 14" H x 46" L	59
L92-367	IO-0150-NG	IO 150 - Natural Gas	50,000	Black	12" W x 14" H x 46" L	62
L93-366	IO-0152-NG	IO 152 - Natural Gas	50,000	Black	12" W x 14" H x 46" L	62
L93-367	IO-0152-SN	IO 152 - Natural Gas	50,000	Stainless	12" W x 14" H x 46" L	62
L92-366	IO-0135-LP	IO 135 - Propane	35,000	Black	12" W x 14" H x 46" L	59
L92-368	IO-0150-LP	IO 150 - Propane	50,000	Black	12" W x 14" H x 46" L	62



Mini-Split Selector

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Easy
Effortless indoor style selection and identification

Accurate
Single-zone or multi-zone system matches



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Outdoor Patio Heaters

IO-200 Series

- Two firing rates
- Heats up in as little as one minute
- Insulated cabinet
- Stainless steel enclosure lens with black emissive coating
- Balanced suspension points
- Remote or individual control of heaters
- Saves valuable floor space and mounts on wall, ceiling, and post-mount
- Manufactured in marine grade 316 stainless steel
- Available in natural gas or propane models



Order #	Mfg. #	Model #	BtuH Input	Color	Shipping Dimensions	Shipping Wt. Lbs.
Natural Gas Models						
L97-284	IO-0212-NG	IO 212 - Natural Gas	25,000	Stainless Steel/Black	12" W x 14" H x 34" L	50
L97-285	IO-0213-NG	IO 213 - Natural Gas	35,000	Stainless Steel/Black	12" W x 14" H x 46" L	55
L60-108	IO-0252-NG	IO 252 - Natural Gas	50,000	Stainless Steel/Black	14" W x 48" H x 14" L	62
Propane Models						
L97-287	IO-0212-LP	IO 212 - Propane	25,000	Stainless Steel/Black	12" W x 14" H x 34" L	50
L97-288	IO-0213-LP	IO 213 - Propane	35,000	Stainless Steel/Black	12" W x 14" H x 46" L	55

Outdoor Patio Heaters

4000 Series, Portable and Fixed Mount Parasols

- Deluxe commercial models
- LP and NG gas options
- Single piece reflector
- 38,000 BtuH input, double emitter, conical burner saves fuel
- Pressure equalization 3/4" tall burner
- Reinforced emitting mantle, aluminum sectional reflector and battery electronic ignitor
- Solid stainless housing for 20-30lbs propane tank (LP tank not included)
- Fold-away wheels (**L86-953**) or fixed mounts (**L82-555**)
- Warranty: burner and mantle: 3-years; all other parts: 1-year



A



B

Fig.	Order #	Mfg. #	Model #	BtuH Input	Color	Shipping Dimensions	Shipping Wt. Lbs.
A	**L86-953**	PS-4005-CB	IP 4405	38,000	Stainless Steel	18" W x 31" H x 18" L	50
B	**L82-555**	PS-4SN5-CB	IP 4SN5	38,000	Stainless Steel	18" W x 31" H x 18" L	50

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infrasave radiant heaters



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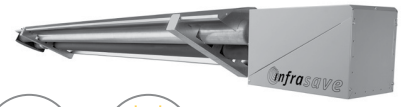
ITB Series

Economical Tube Heater

- Infrasave's most economical radiant tube heater
- Easy to access "clamshell" burner box

Input [Btuh]	Tube length	Order system kits [individual cartons] Burner kit #	+	Tube kit 1 #	+	Tube kit 2 #
60,000	20'	L86-931	+	L97-292		–
	30'	L86-931	+	L97-293		–
80,000	20'	L86-932	+	L97-292		–
	30'	L86-932	+	L97-293		–
	40'	L86-932	+	L97-294		–
110,000	30'	L86-933	+	L97-293		–
	40'	L86-933	+	L97-294		–
	50'	L86-933	+	L97-295	+	L97-298
125,000	30'	L86-934	+	L97-293		–
	40'	L86-934	+	L97-294		–
	50'	L86-934	+	L97-295	+	L97-298
150,000	40'	L86-935	+	L97-294		–
	50'	L86-935	+	L97-295	+	L97-298
	60'	L86-935	+	L97-295	+	L97-299
175,000	50'	L86-936	+	L97-296	+	L97-298
	60'	L86-936	+	L97-296	+	L97-299
	70'	L86-936	+	L97-296	+	L93-364
200,000	50'	L86-937	+	L97-296	+	L97-298
	60'	L86-937	+	L97-296	+	L97-299
	70'	L86-937	+	L97-296	+	L93-364

infrasave radiant heaters



WAREHOUSES · MANUFACTURING · DISTRIBUTION CENTERS · FIRE STATIONS

ITBU Series

'U' Tube Systems

- Side-by-Side 'U' Tube – No emissive coat
- Flexible Gas Connector included
- 24V or Line Voltage Thermostat Ready

Input [Btuh]	Tube length	Order system kits [individual cartons] Burner kit #	+	Tube kit 1 #	+	Tube kit 2 #
60,000	20' : 10'U	L86-931	+	L97-300		–
80,000	20' : 10'U	L86-932	+	L97-300		–
	30' : 15'U	L86-932	+	L97-301		–
110,000	30' : 15'U	L86-933	+	L97-301		–
	40' : 20'U	L86-933	+	L97-302		–
125,000	30' : 15'U	L86-934	+	L97-301		–
	40' : 20'U	L86-934	+	L97-302		–
150,000	40' : 20'U	L86-935	+	L97-302		–
	60' : 30'U	L86-935	+	L97-303	+	L97-305
175,000	60' : 30'U	L86-936	+	L97-304	+	L97-305
200,000	60' : 30'U	L86-937	+	L97-304	+	L97-305

infrasave radiant heaters



WAREHOUSES · MANUFACTURING · DISTRIBUTION CENTERS · FIRE STATIONS

IQ Series

High Efficiency Tube Heater

- Includes pre-installed igniter, status indicator lights, and combustion air collar
- Reduces fuel costs by up to 50%
- Easy to access "clamshell" burner box

Input [Btuh]	Tube length	Order system kits [individual cartons] Burner kit #	+	Tube kit 1 #	+	Tube kit 2 #
45,000	20'	L86-938	+	L97-308		–
60,000	20'	L86-939	+	L97-308		–
	30'	L86-939	+	L97-309		–
80,000	20'	L86-940	+	L97-308		–
	30'	L86-940	+	L97-309		–
	40'	L86-940	+	L97-310		–
110,000	30'	L86-941	+	L97-309		–
	40'	L86-941	+	L97-310		–
	50'	L86-941	+	L97-379	+	L97-313
125,000	30'	L86-942	+	L97-309		–
	40'	L86-942	+	L97-310		–
	50'	L86-942	+	L97-379	+	L97-313
150,000	40'	L86-943	+	L97-310		–
	50'	L86-943	+	L97-379	+	L97-313
	60'	L86-943	+	L97-379	+	L97-314
175,000	50' LP	L81-150	+	L97-311		L97-313
	50'	L86-944	+	L97-311	+	L97-313
	60' LP	L81-150	+	L97-311	+	L97-314
	60'	L86-944	+	L97-311	+	L97-314
	70'	L86-944	+	L97-311	+	L93-363
200,000	50'	L86-945	+	L97-311	+	L97-313
	60'	L86-945	+	L97-311	+	L97-314
	70'	L86-945	+	L97-311	+	L93-363

infrasave radiant heaters



CAR WASHES · RESTAURANTS PATIOS

IW Series

Harsh Environment Outdoor Tube Heater

- Moisture resistant burner enclosure
- Frost-free protection
- Optional stainless steel tube/reflector and burner box for corrosive environments
- Powder coated weather tight burner cabinet

Input [Btuh]	Tube length	Order system kits [individual cartons] Burner kit #	+	Tube kit 1 #	+	Tube kit 2 #
60,000	20'	L86-946	+	L97-315		–
	30'	L86-946	+	L97-316		–
80,000	20'	L86-947	+	L97-315		–
	30'	L86-947	+	L97-316		–
	40'	L86-947	+	L97-317		–
110,000	30'	L86-948	+	L97-316		–
	40'	L86-948	+	L97-317		–
	50'	L86-948	+	L97-318	+	L97-321
125,000	30'	L86-949	+	L97-316		–
	40'	L86-949	+	L97-317		–
	50'	L86-949	+	L97-318	+	L97-321
150,000	40'	L86-950	+	L97-317		–
	50'	L86-950	+	L97-318	+	L97-321
	60'	L86-950	+	L97-318	+	L97-322
175,000	50'	L86-951	+	L97-319	+	L97-321
	60'	L86-951	+	L97-319	+	L97-322
	70'	L86-951	+	L97-319	+	L93-365
200,000	50'	L86-952	+	L97-319	+	L97-321
	60'	L86-952	+	L97-319	+	L97-322
	70'	L86-952	+	L97-319	+	L93-365

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Accessories for Infrasave Infrared Heaters

- Used for installation of Infrasave Infrared Heaters


A


B


C


D


E


F


G


H


I


J

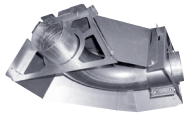
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Fig.	Order #	Mfg. #	Description	For Use With	Shipping Wt. Lbs.	Shipping Dimensions
A	**L40-800**	JL-0776-XX	Transformer AT72-40 VA	IL & IO Series	2	7" L x 5" W x 5" H
B	**L40-801**	JL-0778-XX	Transformer 120V/24V 100 VA	IL & IO Series	4	7" L x 4" W x 3" H
B	**L40-802**	JL-0779-XX	Transformer 120V/24V 150 VA	IL & IO Series	8	8" L x 8" W x 5" H
B	**L40-803**	JL-0780-XX	Transformer 120V/24V 200 VA	IL & IO Series	8	8" L x 8" W x 5" H
B	**L40-804**	JL-0781-XX	Transformer 120V/24V 250 VA	IL & IO Series	9	7-1/2" L x 7" W x 6-1/4" H
B	**L40-805**	JL-0781-AA	Transformer 120V/24V 350 VA	IL & IO Series	9	10-1/2" L x 4-1/2" W x 6-1/4" H
C	**L86-964**	JM-0300-AA	Control Center R8285A1006B (Replaces JM-0300-XX)	IL Series	2	9-1/4" L x 9" W x 9" H
—	**L46-400**	JX-0252-XD	Conv. Kit - LP to NG - ECO 26, IL-100	IL Series	0.3	4-2/5" L x 6-7/10" W x 4-3/10" H
D	**L86-960**	JM-0204-NT	Patio Panel (Up to 4 Zones)	IO Series	2	8-1/2" L x 8-1/2" W x 9" H
J	**L40-798**	JP-2300-MB	IO-212 & IO-213 Wall Mount Bracket Painted Steel	IO Series	4	9" L x 9" W x 6" H
D	**L86-959**	JP-2300-MK	IO-100 & IO 210 Mounting Arm Kit Painted Steel	IO Series	22	30-1/2" L x 28-1/2" W x 7" H
E	**L47-835**	JM-0201-TS	2-Stage Outdoor Single Switch Gang - 1 To 4 Heaters	IO-0152	1	9" L x 9" W x 9" H
F	**L47-836**	JM-0202-TS	2-Stage Outdoor Double Switch Gang - 2 To 8 Heaters	IO-0152	2	9" L x 9" W x 6" H
G	**L47-837**	JM-0203-TS	2-Stage Outdoor Triple Switch Gang - 3 To 12 Heaters	IO-0152	3	9" L x 9" W x 6" H
H	**L47-838**	JL-0771-OD	Black Flexible S/S Gas Connector - 3/8"x 24" (1/2"Mx1/2"M)	IO-0152	1	12" L x 10" W x 2" H
—	**L46-405**	JS-0504-JZ	Reflector Angle Mount Adapter Kit w/ Hardware - Tube Models: IQ, IW, IWP	IQ Series	1.3	5-1/2" L x 3-1/5" W x 3" H
I	**L46-401**	JA-0528-XX	Wall Vent Terminal - 4" Horizontal	IQ Series	1	9" L x 9" W x 9" H
K	**L86-958**	JS-0508-JZ	Elbow Kit - 90° Modular - Tube Models: IQ, IW, IWP	IQ Series	9.5	21-7/10" L x 12" W x 11-1/5" H
L	**L40-794**	JS-0532-VC	Fresh Air Intake Vent Cap	IQ,ITB, IST Series	0.6	8-1/4" L x 8-1/2" W x 6" H
M	**L40-795**	JL-0772-XX	Thermostat Control Single Pole 120V	IQ,ITB, IST, & IL Series	1	7" L x 5" W x 5" H
—	**L40-796**	JM-0150-XX	Tru Temp IR Thermostat with Auto Set Back	IQ,ITB, IST, & IL Series	1	7" L x 5" W x 5" H
N	**L46-403**	JA-0516-SW	Coupler - Torctite 4" Swaged Tube	IW Series	1	6-7/10" L x 4-2/5" W x 4-2/5" H
—	**L82-447**	JJ-2100-FP-S	Assembly Kit	—	6.4	45-1/2" L x 10-1/2" W x 5" H
—	**L82-448**	JJ-2100-FP-SP	Assembly Kit	—	6.4	45-1/2" L x 10-1/2" W x 5" H

LP Conversion Kits

- Natural gas to propane conversion kits for newly ordered heaters
- For existing installations contact Johnstone Supply and provide heater model & serial numbers

Order #	Mfg. #	Description	For Use With
L40-808	JS-0557-XX	Conversion Kit 60 NG to LP	IQ, ITB, IW, IST Series
L40-809	JS-0559-XX	Conversion Kit 80 NG to LP	IQ, ITB, IW, IST Series
L40-810	JS-0561-XB	Conversion Kit -FB-110, -B-110 NG to LP	IQ, ITB, IW, IST Series
L40-811	JS-0563-XB	Conversion Kit -FB-130, -B-130 NG to LP	IQ, ITB, IW, IST Series
L40-812	JS-0565-XX	Conversion Kit 150 NG to LP	IQ, ITB, IW, IST Series
L40-813	JS-0567-AS	Conversion Kit IQ-175 for Slow-Open Valve NG to LP	IQ, ITB, IW, IST Series
L40-822	JX-0253-XA	Conversion Kit - NG to LP - ECO 10, IL-37	IQ, ITB, IW, IST Series
L40-823	JX-0253-XB	Conversion Kit - NG to LP - ECO 13, IL-50	IQ, ITB, IW, IST Series
L40-824	JX-0253-XC	Conversion Kit - NG to LP - ECO 18, IL-75	IQ, ITB, IW, IST Series
L40-825	JX-0253-XD	Conversion Kit - NG to LP - ECO 26, IL-100	IQ, ITB, IW, IST Series

Gas-Fired Unit Heaters

Power Vented Propeller Type Models, Horizontal, Single-Phase



- Steel heat exchanger comes standard on all units
- Bent tube, low-profile design
- Totally enclosed fan motors and all controls mounted inside the cabinet for protection from airborne moisture and dust
- 10-year heat exchanger warranty
- Quick and easy installations with wiring terminals and knockouts for quick access to gas and electricity and a spacious controls cabinet for ease of work
- Standard power exhaust simplifies side-wall or roof venting with small diameter vent pipe
- Optional finger-proof fan guard for operation at low mounting heights
- Conversion kits for natural gas and propane available
- 115V
- Certified commercial and industrial use

Order #	Mfg. #	BtuH Input	BtuH Output	CFM	Heat Throw	Flue Size	Width	Height	Depth	Wt. Lbs.
L92-230	PTP150SS0111	150,000	123,000	2,140	51'	4"	35-1/2"	23"	31-4/5"	165
L92-234	PTP175SS0111	175,000	143,500	2,725	50'	4"	42-1/2"	25-4/5"	32-5/6"	210
L92-238	PTP200SS0111	200,000	164,000	2,870	53'	4"	42-1/2"	25-4/5"	34-3/7"	220
L92-242	PTP250SS0111	250,000	205,000	3,995	62'	6"	42-1/2"	31-1/3"	33-5/6"	265
L92-246	PTP300SS0111	300,000	246,000	4,545	69'	6"	42-1/2"	31-1/3"	33-5/6"	270
L92-250	PTP350SS0111	350,000	287,000	5,280	65'	6"	42-1/2"	39-5/9"	34-5/6"	310
L92-254	PTP400SS0111	400,000	328,000	5,995	74'	6"	42-1/2"	39-5/9"	34-5/6"	320

Gas-Fired Unit Heaters

Power Vented Propeller Type Models, Separated Combustion, High Efficiency



- Up to 97% efficient; all units a minimum of 93% efficient
- Modine's stainless steel secondary heat exchanger Conservicore™ technology built for corrosive environments
- Can be vented with 3" and 4" PVC vent pipe
- Ability to be vented either with a two-pipe or concentric vent system
- Totally enclosed fan motors
- High limit safety control for both heated air and flue gas temperatures
- Fan delay timer
- Conversion kits for natural gas and propane available
- 115V
- Certified for residential, commercial and industrial use
- Designed, engineered and assembled in the USA

Order #	Mfg. #	BtuH Input	BtuH Output	CFM	Heat Throw	Flue Size	Width	Height	Depth	Wt. Lbs.
L60-316	PTC 55AS0111FBAC	55,000	51,150	1,097	43'	3"	29-4/5"	18-1/8"	28-1/16"	93
L60-317	PTC 65AS0111FBAC	65,000	60,450	1,141	43'	3"	29-4/5"	18-1/8"	28-1/16"	103
L60-318	PTC 85AS0111FBAC	85,000	79,050	1,650	48'	3"	35-1/2"	20-1/3"	33-5/6"	125
L60-319	PTC110AS0111FBAC	110,000	102,300	1,750	46'	3"	35-1/2"	20-1/3"	33-5/6"	128
L60-320	PTC135AS0111SBAC	135,000	125,550	2,160	51'	3"	35-1/2"	23-1/16"	33-5/6"	165
L60-321	PTC180AS0111SBAC	180,000	167,400	3,020	53'	4"	42-1/2"	25-4/5"	33-5/6"	215
L60-322	PTC215AS0111SBAC	215,000	199,950	3,865	60'	4"	42-1/2"	31-3/10"	33-5/6"	265
L60-323	PTC260AS0111SBAC	260,000	241,800	4,585	70'	6"	42-1/2"	31-3/10"	34-5/6"	265
L60-324	PTC310AS0111SBAC	310,000	288,300	5,400	67'	6"	42-1/2"	39-1/2"	34-5/6"	310

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Gas-Fired Unit Heaters

Power Vented Propeller Type Models, Vertical, Single-Phase

- 83% thermal efficiency
- Aluminized steel heat exchanger
- Aluminized steel burner with stainless steel separator strip
- 100° shutoff, intermittent pilot ignition system with continuous retry
- Blocked vent safety switch
- 115V control step down transformer with 24V gas controls
- High limit safety control
- Control terminal board
- Totally enclosed motor with thermal overload protection
- Certified commercial and industrial use
- Designed, engineered and assembled in the USA



Order #	Mfg. #	BtuH Input	BtuH Output	Heat Throw	Flue Size	Width	Height	Depth	Wt. Lbs.
L96-836	PDP150AE0130	150,000	124,500	55'	5"	21"	35-1/4"	29-13/16"	168
L96-837	PDP175AE0130	175,000	145,250	59'	5"	23-1/2"	35-1/4"	29-9/16"	175
L96-838	PDP200AE0130	200,000	166,000	51'	5"	25-5/8"	40-1/4"	34-3/4"	239
L96-839	PDP250AE0130	250,000	207,500	67'	6"	25-5/8"	40-1/4"	34-3/4"	239
L96-840	PDP300AE0130	300,000	249,000	74'	6"	28-5/8"	40-1/4"	42-1/4"	269
L96-841	PDP350AE0130	350,000	290,500	70'	6"	33-5/8"	40-1/4"	42-1/4"	338
L96-842	PDP400AE0130	400,000	332,000	69'	6"	40"	40-1/4"	42-1/4"	418

Gas-Fired Unit Heaters

◀ NEW

Hot Dawg Power Vented, Horizontal, Single-Phase

- Certified for residential, commercial and industrial use
- Compact low profile design great for garage installations
- Installation made easy with knockouts for quick access to gas and electricity
- Easily serviceable; includes LED diagnostics on control board
- Natural gas-fired units can be converted to propane with conversion kit **L43-840**
- Includes direct spark ignition, inshot style burners
- Tubular, aluminized steel heat exchanger with full ten-year warranty
- 115V
- Designed, engineered and assembled in the USA



Order #	Mfg. #	BtuH Input	BtuH Output	CFM	Heat Throw	Flue Size	Width	Height	Depth	Wt. Lbs.
Power Vented Models-NG										
L62-656 ◀	HD30AS0111FDAN	30,000	24,600	505	25'	3" or 5"	26-7/8"	12-5/8"	22"	55
L62-657 ◀	HD45AS0111FDAN	45,000	36,900	720	27'	3" or 5"	26-7/8"	12-5/8"	22"	60
L62-658 ◀	HD60AS0111FDAN	60,000	49,200	990	36'	3" or 5"	26-7/8"	18"	25"	80
L62-659 ◀	HD75AS0111FDAN	75,000	61,500	1160	38'	3" or 5"	26-7/8"	18"	25"	85
L62-660 ◀	HD100AS0111FDAN	100,000	82,000	1490	42'	4" or 6"	35-1/2"	20-1/2"	31"	125
L62-661 ◀	HD125AS0111FDAN	125,000	102,500	1980	56'	4" or 6"	35-1/2"	20-1/2"	31"	125
Power Vented Models-LP										
L62-662 ◀	HD30AS0121FDAN	30,000	24,600	505	25'	3" or 5"	26-7/8"	12-5/8"	22"	55
L62-663 ◀	HD45AS0121FDAN	45,000	36,900	720	27'	3" or 5"	26-7/8"	12-5/8"	22"	60
L62-664 ◀	HD60AS0121FDAN	60,000	49,200	990	36'	3" or 5"	26-7/8"	18"	25"	80
L62-665 ◀	HD75AS0121FDAN	75,000	61,500	1160	38'	3" or 5"	26-7/8"	18"	25"	85
L62-666 ◀	HD100AS0121FDAN	100,000	82,000	1490	42'	4" or 6"	35-1/2"	20-1/2"	31"	125
L62-667 ◀	HD125AS0121FDAN	125,000	102,500	1980	56'	4" or 6"	35-1/2"	20-1/2"	31"	125
Separated Combustion Models										
L62-668 ◀	HDS30AS0111FCAN	30,000	24,600	505	25'	3"	26-7/8"	12-5/8"	22"	55
L62-669 ◀	HDS45AS0111FCAN	45,000	36,900	720	27'	3"	26-7/8"	12-5/8"	22"	60
L62-670 ◀	HDS60AS0111FCAN	60,000	49,200	990	36'	4"	26-6/8"	18"	25"	80
L62-671 ◀	HDS75AS0111FCAN	75,000	61,500	1160	38'	4"	26-6/8"	18"	25"	85
L62-672 ◀	HDS100AS0111FCAN	100,000	82,000	1490	42'	4"	35-1/2"	20-1/2"	31"	125
L62-673 ◀	HDS125AS0111FCAN	125,000	102,500	1980	56'	4"	35-1/2"	20-1/2"	31"	125

PROVIDING YOU UNIVERSAL TRUCK STOCK OPTIONS

Ask About Our Replenishment Programs Today!



Steam and/or Hot Water Unit Heaters

Horizontal Air Delivery, Single-Phase



- Two-piece casing for quick access to coil
- In the chart below, hot water ratings are at 200°F in, 180°F out, 60°F entering air
- Steam ratings are at 2# steam, 60°F entering air
- Designed, engineered and assembled in the USA

Order #	Mfg. #	Steam BtuH	Steam Final Air	Water BtuH	Water Flow Rate	Water Final Air	Max. Heat Throw	Conn. Size	Width	Height	Depth	Wt. Lbs.
L96-229	HSB-18S01	18,000	107°F	12,400	1.3 GPM	93°F	18'	3/4" NPT	13"	12-3/8"	15"	16
L96-230	HSB-24S01	24,000	119°F	16,600	1.7 GPM	100°F	19'	3/4" NPT	13"	12-3/8"	15"	20
L96-231	HSB-33S01	33,000	108°F	21,600	2.3 GPM	91°F	22'	1-1/4" NPT	17-1/2"	16-3/8"	18-1/4"	34
L96-232	HSB-47S01	47,000	119°F	30,800	3.2 GPM	98°F	30'	1-1/4" NPT	17-1/2"	16-3/8"	18-1/4"	36
L96-233	HSB-63S01	63,000	111°F	44,800	4.7 GPM	97°F	31'	1-1/4" NPT	21-1/2"	20-7/16"	18-1/4"	48
L96-234	HSB-86S01	86,000	118°F	62,600	6.3 GPM	101°F	33'	1-1/4" NPT	21-1/2"	20-7/16"	18-1/4"	52

Steam and/or Hot Water Unit Heaters

Lodronic™ Low-Temperature Horizontal Air Delivery, Single and Three-Phase



- Designed and engineered for high-efficiency boilers*, geothermal or air-to-water heat pump systems to maximizing efficiency.
- High-efficiency 4-row coil with low water pressure drop
- Smaller fan and motor for a lower system amp draw
- Designed for lower entering hot water temperatures
- High-temperature output vs old traditional systems
- UL1995 Certified
- 370 to 3200 CFM
- Single-phase 115V shown
- Designed, engineered and assembled in the USA

Order #	Mfg. #	Steam BtuH	Steam Final Air	Water BtuH	Water Flow Rate	Max. Heat Throw	Width	Height	Depth	Wt. Lbs.
L60-310	HCH22SB01SA	22,000	113°F	21,688	0.8 GPM	27	20-1/5"	14-1/2"	8-1/5"	32
L60-311	HCH39SB01SA	39,000	113°F	38,547	1.4 GPM	28	24-1/2"	18-1/2"	8-1/5"	46
L60-312	HCH67SB01SA	67,000	113°F	66,875	2.6 GPM	33	29"	22-1/2"	9-7/10"	80
L60-313	HCH104SB01SA	104,000	112°F	104,204	4.1 GPM	39	33"	26-1/2"	9-7/10"	93
L60-314	HCH170SB01SA	170,000	115°F	169,564	6.8 GPM	42	39-1/2"	34-1/2"	11-1/5"	145
L60-315	HCH195SB01SA	195,000	115°F	194,917	8.0 GPM	40	45-1/2"	34-1/2"	11-1/5"	160

LP Conversion Kits

For PD and PDP Series Units

- The kits listed are designed for 115V and 208/230V single-stage units

Order #	Mfg. #	Description	For Use With
L38-372	37389	LP Conversion Kit	PD30, PDP30
L38-373	37393	LP Conversion Kit	PD50, PDP50
L38-374	37394	LP Conversion Kit	PD75, PDP75
L38-375	37395	LP Conversion Kit	PD100, PDP100
L38-384	37396	LP Conversion Kit	PD125, PDP125
L38-376	28048	LP Conversion Kit	PD150, PDP150

Order #	Mfg. #	Description	For Use With
L38-377	28049	LP Conversion Kit	PD175, PDP175
L38-378	28050	LP Conversion Kit	PD200, PDP200
L38-379	28051	LP Conversion Kit	PD250, PDP250
L39-886	28052	LP Conversion Kit	PD300, PDP300
L39-887	28053	LP Conversion Kit	PD350, PDP350
L39-888	28054	LP Conversion Kit	PD400, PDP400

LP Conversion Kits

For HD and HDS Series Units

Order #	Mfg. #	Description	For Use With
L43-840	53079	LP Conversion Kit	HD30-75, HDS30-75, HDB30-75, HDC30-75
L43-838	53080	LP Conversion Kit	HD100, HDS100

Order #	Mfg. #	Description	For Use With
L43-839	53081	LP Conversion Kit	HD125, HDS125
L38-668	31668 3H34933-1	LP Conversion Kit	HD30-75 with HIS Ignition (retired units)

Vent Kits

For HD and HDS Series Units

Order #	Mfg. #	Description
L80-313	32161	4" Horizontal Concentric Vent Kit — Seperated Combustion Only
L80-314	33356	4" Vertical Concentric Vent Kit — Seperated Combustion Only
L80-315	27865	3" Gary Steel or Breidert Vent Cap — 2 Required for Seperated Combustion

Order #	Mfg. #	Description
L80-316	27866	4" Gary Steel or Breidert Vent Cap — 2 Required for Seperated Combustion
L80-317	27867	5" Gary Steel or Breidert Vent Cap
L80-318	27868	6" Gary Steel or Breidert Vent Cap

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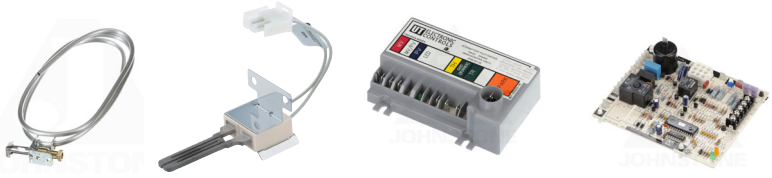
Motors and Blowers

Order #	Mfg. #	Description	OEM/OEM Mfg. #	For Use With
S89-462	9F30225	Motor	Fasco/7126-2677	HS (121), HC (121), VN (139), V (139), HP (121), HL (121), POH (100), PA (150–225), PAE (175–225), PAH (130–180), PSH (130–170), PV (145–200), PD (175–200), WH (150–400), WHE (150–400), WHEP (150–350), WD (150–400), FX (145–225), FP (145–200), WDE (150–400), POR (100)
S89-463	9F30228	Motor	Fasco/7126-4434	HS (165–193), HC (165–193), VN (161–212), V (161–212), HP (165–193), HL (165), POH (145–185), PA (250–300), PAE (250–300), PAH (240), PSH (225), PV (250–300), PD (250), WH (225–250), WHE (225–400), WHEP (225–400), WD (225–250), FX (250–300), FP (250–300). WDE (225–400), POR (145–185)
S89-465	9F30226	Motor	Fasco/7184-0100	HS (47–63), HC (47–63), HP (47–63), HL (47–63), PD (75–100)
S89-468	91F10135A	Motor	AO532A3128	VN (78 & 95), V (78 & 95), PA (105 & 135), PAE (125), PAH (90–110), PV (125), WH (125), WHE (125), WHEP (125), WD (125), FX (125), FP (125), WDE (125)
S89-469	9F10247	Motor	Fasco/7163-3529	PA (30–75), PAE (30–50), PAH (40–55), PV (30–50), PD (30–50), FX (30–50), FP (30–50)
S89-574	9F30189	Motor	Franklyn/1531007418	VN (333), V (333), VPJ (333), PT (333), PA (400), PAE(350–400), PAH (360), PV (350–400), PD (350–400) FX (350–400), FP (350–400), GHS (105), GHG (240)
S89-576	9F10126	Motor	AO516A2823	VN (42 & 49), V (42 & 59), PAE (75–100), PV (75–100), FX (75–100), FP (75–100)
S89-466	9F30213	Motor (Fan)	Fasco/7184-0201	HD (75)
S89-575	9F10262	Motor (Fan)	Fasco/7173-0684	HD (30–45)
S89-571	5H73597-1	Power Exhauster Assembly	—	PDP(30-175), BDP(50-175), PV(30-145), BV(50-145), DFP(75-175)
S89-573	5H75038	Power Exhauster Assembly	Fasco/7021-10461	HD (30–75)
S89-572	5H73598-1	Power Exhauster (115V)	Fasco/7021-9045	PV (30–400), BV (50–400), FP (30–400), CP (50–400)

Pilot and Ignition Controls



A B C D

Fig.	Order #	Mfg. #	Description	For Use With
A	**L45-239**	3H37454-2	Pilot Assembly Kit	PA (105-400), BA (105-400), PAE (400), BAE (400), PDP (30-400), BDP (50-400), PV (30-400), BV (50-400), PD (30-40), BD (50-400), FX (400), CX (400), FP (30-400), CP (50-400), GHE (400), DHP (295-401), DJE (350-401)
B	**L39-201**	5H75032	Hot Surface Ignitor	HD (30–75)
C	**L45-236**	5H80689	Ignition Control	PD (All), DB (All), PSH (All), BSH (All)
D	**L45-242**	5H79749	Ignition Control Board	HD30, HD45, HD60, HD75, HD100, HD125, HDS30, HDS45, HDS60, HDS75, HDS100, HDS125, HDB60, HDB75, HDB100, HDB125, HDC60, HDC75, HDC100, PTS150, PTS175, PTS200, PTS 250, PTS300, PTS350, PTS400, BTS150, BTS175, BTS200, BTS250, BTS300, BTS350, BTS400, PTC135, PTC155, PTC180, PTC215, PTC260, PTC260, PTC310

Flame Sensor



Order #	Mfg. #	Description	For Use With
L39-202	5H75031	Flame Sensor	HD (30–75)

Limit Controllers



A B C

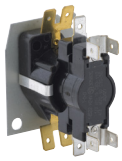
Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #	For Use With
A	**L39-228**	3H0400780003	High Limit Switch (stalk mount)	36TV01B3	HD (30–45)
A	**L39-229**	3H0400780002	Limit Control Switch	36TB01B3	HD (60–75)
B	**L39-223**	5H68074	Limit Control	—	PA (30–400), BA (50–400), PAH (40–360), BAH (55–360)
C	**L39-205**	5H73593	Overheat Control	—	PA30–PA400, BA50–BA400, PAE30–PAE400, BAE50–BAE400, PAH40–BAH360, PSH 130–PSH340, BSH130–BSH340, PV30–PV400, BV50–BV400, PD30–PD400, BD50–400, FX30–FX400, CX50–CX400, FP30–FP400, CP50–CP400, GHE240, GHE400

Flame Rollout Switch

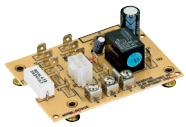


Order #	Mfg. #	Description	For Use With
L39-227	5H75002-2	Flame Rollout Switch	HD (30–75)

Time Delay Relays



A



B

Fig.	Order #	Mfg. #	Description	For Use With
A	**L39-220**	5H71675	Time Delay Relay	PAE (30–400), BAE (30–400), PV (030–400), BV (75–400), FX (30–400), CX (050–400), FP (030–400), CP (50–400)
A	**L39-221**	5H73035	Time Delay Relay	—
B	**L39-222**	3H36849-1	Time Delay Relay Board Kit	HD (30–75)

Transformers



Order #	Mfg. #	Description	OEM/OEM Mfg. #	For Use With
L39-214	5H71956-1	Transformer, 120/25 Volt	Products Unlimited/ 4000-01E07G442	PA30–PA400, BA50–BA400, PAE30–PAE400, BAE50–BAE400, PAH40–PA-H3E240 AH55–BAH360, PSH130–PSH340, BSH130–BSH340, PV30–PV400, BV50–BV400, PD30–PD400, BD50–BD400, FX30–FX400, CX50–CX400, FP30–FP400, CP50–CP400, GHG240, GHG400, GHE240
L39-215	5H75029	Transformer, 120/25 Volt	Balser Electric/ BE131640GEK	HD30–HD75

Thermocouple



Order #	Mfg. #	Description	For Use With
L39-216	5H69336-7	Thermocouple	PA (75–400), BA (75–400), PAE (75–400), BAE (75–400), PV (50–400),BV (50–400), PD (125–400), BD (125–400), FX (75–400), CX (75–400), FP (30–400), CP (50–400), DHP (75–401), DHE 75–400), DJE (75–401)

Probe



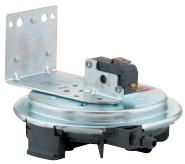
A



B

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #	For Use With
A	**L39-217**	5H71945	Probe	—	PV (All), BV (All), PSH (All), BSH (All), PAE (All), BAE (All), PA (All), BA (All)
B	**L39-218**	5H71764-2	Probe Lead	Honeywell/MN55422	PV (All), BV (All), PSH (All), BSH (All), PAE (All), BAE (All), PA (All), BA (All)

Pressure Switches



Order #	Mfg. #	Description	OEM/OEM Mfg. #	For Use With
L39-232	5H75030-3	Pressure Switch	Cleveland/NS2-0325-00	HD (60)
L39-233	5H75030-4	Pressure Switch	Tridelta/PPS10077-2595	HD (75)

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Blocked Vent Switches



Order #	Mfg. #	Description	For Use With
L39-224	5H73057-1	Blocked Vent Switch	PD (75–200), BD (75–200), DHP (75–400), DHE (75–400), DJE (75–400)
L39-225	5H73057-5	Blocked Vent Switch	GHE (240 & 400)
L39-226	5H73057-6	Blocked Vent Switch	GHE (240 & 400)

Gas Valves



Order #	Mfg. #	Description	OEM/OEM Mfg. #	For Use With
L39-206	5H71923	Main Valve	Honeywell/VR8200A2009	PA30–PA225, BA50–BA225, PV30–PV200, PD50–PD200, BD50–BD200, CP50–CP200, DJE75–DJE150
L39-208	5H73096-2	Gas Valve	Honeywell/VR8304M3905	Old PAE Units
L39-210	5H73100-2	Gas Valve	Honeywell/VR8300A3104	PV250, PD250, BD250, WH175–WH250, WD175–WD250, CP250, GHE240, DJE225–DJE251
L39-211	5H73100-3	Gas Valve	Honeywell/VR8300A4003	PV300, PD300, BD300, CP300
L45-237	5H80681	Gas Valve	—	PA (30-200), BA (50-200), PAH (40-180), BAH (55-180), PSH (130-170), BSH (130-170), PV (30-200), BV (50-200), PD (50-200), BD (50-200), WHE (30-150), WHEP (100-150), CP (50-200), WDE (100-150), WGS (150), WGD (150), WGB (150), WPS (150), WPD (150), WPB (150)
L45-238	5H80683	Gas Valve	—	PV (250-400), PD (250-400), PD (300-400), BD (300-400), WHE (300-400), WHEP (300-400), CP (400), GHE (400), WDE (300-400), WDG (250-402), WDP (300-401), WBP (300-402), WBG (300-402), WSP (300-402), WSG (300-402)

Burner Assemblies



Order #	Mfg. #	Description	For Use With
L86-524	3H33074-6	Burner Assembly	PA (165–75), BA (170–175), PV (145), BV (145), PD (145), FX (145), CX (145), FP (145), CP (145), DHP (125), DHE (125–126), DJE (125–126)
L86-525	3H33074-7	Burner Replacement Kit	PA (200–225), BA (174–225), PAE (175–200), BAE (175–200), PC (175–200), BV (175–200), PD (200–250), BD (200–250), FX (175–200), CX (175–200), FP (175–200), CP (175–200), DHP (132–226), DHE (150–226), DJE (150–226)
L86-526	3H33074-9	Burner Replacement Kit	PA (300), BA (300), PAE (225–250), BAE (225–250), PV (250), BV (300), PD (300), BD (300), FX (225–250), CX (225–250), FP (250), CP (250), GHE (240), WGS (300), WGB (300), DGD (300), WPS (300), WPD (300), WDG (225–251), WDP (225–251), WBP (225–251), WBG (225–251), WSG (250–251), DHE 250–251), DJE (250–251)
L96-738	3H33074-11	Burner Assembly Replacement Kit	PA (400), BA (400), PAE (400), PV (400), BV (400), PD (400), BD (400), FX (400), CX (400), FP (400), CP (400), GHE (400), WDG (350–400), WDP (350–402), WBP (350–402), WBG (350–402), WSP (350–402), WSG (350–401)

Gas-Fired Unit Heaters

Nexus High Efficiency Unit Heater, Horizontal Delivery, Single-Phase

- Up to 99% maximum efficiency
- Power vented propeller
- Premix burner technology
- Brass and aluminum fins
- Stainless steel cabinet
- Fully modulating
- Standard or Separated Combustion All In One
- Field installed LP Conversion
- Also available in various voltage and gas controls
- 115V



Order #	Mfg. #	BtuH Input	BtuH Output	CFM	Heat Throw	Flue Size	Width	Height	Depth	Wt. Lbs.
L94-227	11HU050A1NS3110A	50,000	48,600	790	50'	2"	42-3/4"	12-1/4"	32-3/4"	120
L94-228	11HU100A1NS3110A	100,000	96,000	1,616	150'	2"	42-3/4"	17-1/4"	38"	180
L94-229	11HU150A1NS3110A	150,000	143,000	2,661	100'	2"	54-3/4"	17-1/4"	41"	209
L94-230	11HU200A1NS3110A	200,000	192,000	3,232	150'	3"	54-3/4"	17-1/4"	42"	260
L94-231	11HU300A1NS3110A	300,000	285,000	4,848	150'	4"	54-3/4"	25-3/4"	42"	323
L94-232	11HU400A1NS3110A	400,000	384,000	6,464	150'	4"	54-3/4"	33-1/2"	42"	385



Gas-Fired Unit Heaters

Power Vented Propeller Type Models, Horizontal Delivery, Single-Phase

- 83% thermal efficiency
- All-in-one standard or separated combustion
- Tubular heat exchanger with 10-year warranty
- Direct spark ignition with inshot burners
- Easy access control panel
- Factory test fired
- Certified for commercial / industrial use
- Stainless steel, non-standard voltages, and accessories available
- 115V

Order #	Mfg. #	BtuH Input	BtuH Output	CFM	Flue Size	Width	Height	Depth	Wt. Lbs.
L95-733	11XF100A1NS1110	100,000	83,000	1,600	5"	25-1/4"	33-34"	43-1/2"	135
L95-734	11XF125A1NS1110	125,000	103,750	2,200	5"	25-1/4"	33-34"	43-1/2"	147
L95-735	11XF150A1NS1110	150,000	124,500	2,400	5"	25-1/4"	33-34"	43-1/2"	157
L95-736	11XF175A1NS1110	175,000	145,250	2,850	5"	37-1/4"	33-34"	43-1/2"	194
L95-737	11XF200A1NS1110	200,000	166,000	3,200	5"	37-1/4"	33-34"	43-1/2"	204
L95-738	11XF250A1NS1110	250,000	207,500	3,450	5"	37-1/4"	33-34"	43-1/2"	214
L95-739	11XF300A1NS1110	300,000	249,000	5,000	6"	55-1/4"	34"	44-3/4"	311
L95-740	11XF350A1NS1110	350,000	290,500	5,600	6"	55-1/4"	34"	44-3/4"	325
L95-741	11XF400A1NS1110	400,000	332,000	5,800	6"	55-1/4"	34"	44-3/4"	339



Gas-Fired Unit Heaters

Tubular Blower Type Model, Horizontal Delivery, Single-Phase, Convertible Vent

- 83% thermal efficiency
- Tubular heat exchanger with 10-year warranty
- Direct spark ignition with inshot burners
- Easy access control panel
- Factory test fired
- All-in-one standard or separated combustion
- External LED diagnostic light
- Heat throw specs listed below are based on an 8ft mounting height from floor to bottom of the unit
- 115V
- Additional voltage, heat exchanger, gas control and motor sizes available

Order #	Mfg. #	BtuH Input	BtuH Output	CFM	Heat Throw	Flue Size	Width	Height	Depth	Wt. Lbs.
Natural Gas										
L95-760	11XC100A1NS111A	100,000	83,000	1,181	60'	5"	25-1/4"	33-3/4"	49-3/4"	173
L95-761	11XC125A1NS111C	125,000	103,750	1,476	65'	5"	25-1/4"	33-3/4"	49-3/8"	177
L95-762	11XC150A1NS111C	150,000	124,500	1,771	70'	5"	25-1/4"	33-3/4"	49-3/8"	204
L95-763	11XC175A1NS111D	175,000	145,250	2,067	75'	5"	37-1/4"	33-3/4"	56-1/8"	248
L95-764	11XC200A1NS111D	200,000	166,000	2,362	80'	5"	37-1/4"	33-3/4"	56-1/8"	267
L95-765	11XC250A1NS111F	250,000	207,500	2,953	90'	5"	37-1/4"	33-3/4"	56-1/8"	292
L95-766	11XC300A1NS111F	300,000	246,000	3,501	105'	6"	55-1/4"	34"	53-3/8"	374
L95-767	11XC350A1NS111G	350,000	290,500	4,134	110'	6"	55-1/4"	34"	56-1/8"	394
L95-768	11XC400A1NS111G	400,000	332,000	4,724	120'	6"	55-1/4"	34"	56-1/8"	433
Propane Gas										
L95-769	11XC100A1PS111A	100,000	83,000	1,181	60'	5"	25-1/4"	33-3/4"	49-3/4"	173
L95-770	11XC125A1PS111C	125,000	103,750	1,476	65'	5"	25-1/4"	33-3/4"	49-3/8"	177
L95-771	11XC150A1PS111C	150,000	124,500	1,771	70'	5"	25-1/4"	33-3/4"	49-3/8"	204
L95-772	11XC175A1PS111D	175,000	145,250	2,067	75'	5"	37-1/4"	33-3/4"	56-1/8"	248
L95-773	11XC200A1PS111D	200,000	166,000	2,362	80'	5"	37-1/4"	33-3/4"	56-1/8"	267
L95-774	11XC250A1PS111F	250,000	207,500	2,953	90'	5"	37-1/4"	33-3/4"	56-1/8"	292
L95-775	11XC300A1PS111F	300,000	246,000	3,501	105'	6"	55-1/4"	34"	53-3/8"	374
L95-776	11XC350A1PS111G	350,000	290,500	4,134	110'	6"	55-1/4"	34"	56-1/8"	394
L95-777	11XC400A1PS111G	400,000	332,000	4,724	120'	6"	55-1/4"	34"	56-1/8"	433



Gas-Fired Unit Heaters

Power Vented Propeller Type Models, Low Profile Design, Single-Phase

- 82% thermal efficiency
- Can be vented horizontally or vertically
- Certified for residential, commercial and industrial use
- Tubular heat exchanger with 10-year warranty
- Direct spark ignition
- Standard or Separated Combustion All In One
- Easy access control panel
- Single orifice burner system
- 321 stainless steel burner box
- 115V
- Includes LP conversion kit

Order #	Mfg. #	BtuH Input	BtuH Output	CFM	Heat Throw	Flue Size	Width	Height	Depth	Wt. Lbs.
L99-503	11GG030A1NSA11C	30,000	24,900	370	33'	4"	30"	13-1/4"	25-7/8"	70
L99-504	11GG045A1NSA11C	45,000	37,350	550	33'	4"	30"	13-1/4"	25-7/8"	74
L99-505	11GG060A1NSA11C	60,000	49,800	740	33'	4"	30"	16-13/16"	26-3/16"	92
L99-506	11GG075A1NSA11C	75,000	61,500	920	40'	4"	30"	16-13/16"	26-3/16"	97
L99-507	11GG090A1NSA11C	90,000	73,800	1,100	40'	4"	30"	23-9/16"	26-3/8"	115
L99-508	11GG105A1NSA11C	105,000	86,100	1,300	60'	4"	30"	23-9/16"	26-3/8"	145
L99-509	11GG120A1NSA11C	120,000	98,400	1,475	65'	4"	30"	23-9/16"	26-3/8"	148

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Concentric Vent Kits

For HU Nexus Series Units

- To allow separated combustion venting with single wall or roof penetration



Order #	Mfg. #	Description	For Use With	Shipping Wt. Lbs.	Shipping Dimensions	Wt. Lbs.
L82-140	11AS-Y2	2" PVC Concentric Vent Kit	HU050, HU100, HU150	6	34-1/2" L x 7" W x 7" H	6
L82-141	11AS-Y3	3" PVC Concentric Vent Kit	HU200	9	40-1/2" L x 8" W x 8" H	9
L82-142	11AS-Y4	4" PVC Concentric Vent Kit	HU300, HU400	12	57-1/2" L x 10" W x 10" H	12

Vent Kits

For GG Series Units

- To allow separated combustion venting with single wall or roof penetration



Order #	Mfg. #	Description	For Use With	Shipping Wt. Lbs.	Shipping Dimensions	Wt. Lbs.
L80-477	11AS-X7-4	4" Concentric Vent Kit	GG030, GG045, GG060, GG075	13	11" L x 20" W x 16-1/2" H	13
L80-478	11AS-X7-5	5 " Concentric Vent Kit	GG090, GG105, GG120	18	11" L x 26-1/2" W x 17" H	18

Condensate Pumps and Neutralizers

For HU Series Units

- **B87-260** and **B87-261** neutralize flue condensate and are mounted in line with condensate pipe
- **B87-262** facilitates condensate removal when gravity drainage not available

Order #	Mfg. #	Application	For Use With	Shipping Wt. Lbs.	Shipping Dimensions	Wt. Lbs.
B87-260	11AS-E9-1	To neutralize flue condensate; mounted in line with condensate pipe	HU050, HU100, HU150, HU200	3	14" L x 5" W x 5" H	3
B87-261	11AS-E9-2	To neutralize flue condensate; mounted in line with condensate pipe	HU300, HU400	4	18" L x 5" W x 5" H	4
B87-262	11AS-K8	Facilitates condensate removal when gravity drainage not available	HU050, HU100, HU150, HU200, HU300, HU400	5	12" L x 6" W x 6" H	5

Gas Conversion Kits

For GG Series Units

Order #	Mfg. #	Description	Application	For Use With	Shipping Wt. Lbs.	Shipping Dimensions	Wt. Lbs.
L44-937	11CKNTPDS030-52	NG to LP Conversion Kit	Used to convert GG Series Natural Gas unit to LP Gas	GG030	1	4" L x 4" W x 7" H	1
L44-938	11CKNTPDS045-48	NG to LP Conversion Kit	Used to convert GG Series Natural Gas unit to LP Gas	GG045	1	4" L x 4" W x 7" H	1
L44-939	11CKNTPDS060-43	NG to LP Conversion Kit	Used to convert GG Series Natural Gas unit to LP Gas	GG060	1	4" L x 4" W x 7" H	1
L44-940	11CKNTPDS090-36	NG to LP Conversion Kit	Used to convert GG Series Natural Gas unit to LP Gas	GG090	1	4" L x 4" W x 7" H	1
L44-941	11CKNTPDS105-32	NG to LP Conversion Kit	Used to convert GG Series Natural Gas unit to LP Gas	GG105	1	4" L x 4" W x 7" H	1
L44-942	11CKNTPDS1203.1	NG to LP Conversion Kit	Used to convert GG Series Natural Gas unit to LP Gas	GG120	1	4" L x 4" W x 7" H	1
L44-943	11CKPTNDS030-38	LP to NG Conversion Kit	Used to convert GG Series LP Gas unit to Natural Gas	GG030	1	4" L x 4" W x 7" H	1
L44-944	11CKPTNDS045-31	LP to NG Conversion Kit	Used to convert GG Series LP Gas unit to Natural Gas	GG045	1	4" L x 4" W x 7" H	1
L44-945	11CKPTNDS060-27	LP to NG Conversion Kit	Used to convert GG Series LP Gas unit to Natural Gas	GG060	1	4" L x 4" W x 7" H	1
L44-946	11CKPTNDS075-20	LP to NG Conversion Kit	Used to convert GG Series LP Gas unit to Natural Gas	GG075	1	4" L x 4" W x 7" H	1
L44-947	11CKPTNDS090-16	LP to NG Conversion Kit	Used to convert GG Series LP Gas unit to Natural Gas	GG090	1	4" L x 4" W x 7" H	1
L44-948	11CKPTNDS105-11	LP to NG Conversion Kit	Used to convert GG Series LP Gas unit to Natural Gas	GG105	1	4" L x 4" W x 7" H	1
L44-949	11CKPTNDS120-6	LP to NG Conversion Kit	Used to convert GG Series LP Gas unit to Natural Gas	GG120	1	4" L x 4" W x 7" H	1

Steam and/or Hot Water Unit Heaters

Horizontal Air Delivery, Single-Phase



A



B

- Horizontal louvers are standard
- Vertical louvers optional
- Thermal overload protection
- Thermostats feature 'off-auto' and 'auto-fan-off
- Copper/aluminum coils
- ETL certified
- Totally enclosed fan motor
- Header type units can operate with steam or hot water
- 115VAC, 60Hz

Fig.	Order #	Mfg. #	Steam BtuH	Steam Final Air	Water BtuH	Water Flow Rate	Water Final Air	Max. Heat Throw	Conn. Size	Width	Height	Depth	Wt. Lbs.
Serpentine Coil Hot Water Only													
A	**L99-591**	11HSA10811	—	—	8,030	0.8 GPM	91°F	20'	3/8"	18"	16"	9-1/2"	22
A	**L99-592**	11HSA11811	—	—	18,400	1.9 GPM	94°F	25'	3/8"	18"	16"	9-1/2"	24
A	**L99-593**	11HSA12511	—	—	24,800	2.5 GPM	102°F	29'	3/8"	18"	16"	9-1/2"	25
A	**L99-594**	11HSA13611	—	—	35,900	3.6 GPM	99°F	29'	3/8"	20-1/2"	18-1/2"	10-15/16"	31
Header Type Units													
B	**L99-595**	11HSB01811	18,000	102°F	13,050	1.3 GPM	95°F	20'	1-1/4"	14-5/8"	15"	9-3/8"	26
B	**L99-596**	11HSB02411	24,000	109°F	17,400	1.8 GPM	96°F	24'	1-1/4"	14-5/8"	18"	9-3/8"	30
B	**L99-597**	11HSB03611	36,000	119°F	26,100	2.7 GPM	103°F	28'	1-1/4"	14-5/8"	18"	9-3/8"	30
B	**L99-598**	11HSB04811	48,000	119°F	34,800	3.5 GPM	103°F	30'	1-1/4"	17-1/8"	20-1/2"	11-7/16"	41
B	**L99-599**	11HSB06011	60,000	121°F	43,600	4.4 GPM	105°F	30'	1-1/4"	17-1/8"	20-1/2"	10-15/16"	41
B	**L99-600**	11HSB07211	72,000	120°F	52,300	5.3 GPM	104°F	29'	1-1/4"	18-3/8"	21-3/4"	11-1/16"	44
B	**L99-601**	11HSB08411	84,000	115°F	61,000	6.1 GPM	100°F	30'	1-1/4"	20-7/8"	24-1/4"	11-13/16"	47
B	**L99-602**	11HSB09611	96,000	123°F	69,700	7.0 GPM	106°F	38'	1-1/2"	19-5/8"	24"	13-13/16"	49
B	**L99-603**	11HSB10811	108,000	115°F	78,400	7.9 GPM	100°F	40'	1-1/2"	19-5/8"	24"	13-13/16"	49
B	**L99-604**	11HSB12011	120,000	118°F	87,100	8.8 GPM	102°F	40'	1-1/2"	20-7/8"	25-1/4"	13"	59
B	**L99-605**	11HSB13211	132,000	121°F	95,800	9.6 GPM	104°F	54'	1-1/2"	23-3/8"	27-3/4"	14"	74
B	**L99-606**	11HSB14411	144,000	120°F	104,000	10.4 GPM	104°F	55'	1-1/2"	23-3/8"	27-3/4"	14"	74
B	**L99-607**	11HSB15611	156,000	115°F	113,000	11.3 GPM	100°F	55'	1-1/2"	23-3/8"	27-3/4"	13-3/4"	74
B	**L99-608**	11HSB18011	180,000	135°F	118,000	11.8 GPM	110°F	53'	1-1/2"	24-5/8"	29"	13-3/4"	90
B	**L99-609**	11HSB20411	204,000	124°F	148,100	14.9 GPM	107°F	55'	1-1/2"	24-5/8"	29"	13-3/4"	90
B	**L99-610**	11HSB24011	240,000	123°F	174,000	17.4 GPM	106°F	57'	2"	27-7/8"	30-1/4"	14"	143
B	**L99-611**	11HSB28011	280,000	121°F	209,100	21.0 GPM	106°F	57'	2"	27-7/8"	30-1/4"	17-3/4"	154
B	**L99-612**	11HSB30011	300,000	117°F	230,000	23.0 GPM	102°F	58'	2"	33-3/8"	37-3/4"	18-5/8"	203
B	**L99-613**	11HSB36011	360,000	120°F	261,300	26.2 GPM	103°F	60'	2"	33-3/8"	37-3/4"	18-5/8"	203

Steam and/or Hot Water Unit Heaters

Vertical Air Delivery, Single-Phase



- Provides air circulation and reduces stratification
- Spot heating for high loss areas
- Aluminum blade fans are quiet and factory balanced
- Totally enclosed standard motors
- 115VAC, 60Hz
- Field convertible to low output

Order #	Mfg. #	Steam BtuH	Steam Final Air	Water BtuH	Water Flow Rate	Water Final Air	Max. Heat Throw	Conn. Size	Width	Height	Depth	Wt. Lbs.
L99-614	11VSB04011	41,300	124°F	22.7	2.34 GPM	95.2°F	15'	1-1/2"NPT	18-1/4"	10-5/8"	18-1/4"	32
L99-615	11VSB06211	65,500	121°F	39.6	4.08 GPM	96.9°F	17'	1-1/2" NPT	21-1/4"	11-1/8"	21-1/4"	40
L99-616	11VSB07711	80,600	122°F	48.4	4.99 GPM	97.2°F	20'	1-1/2" NPT	21-1/4"	11-5/8"	21-1/4"	43
L99-617	11VSB10411	101,800	123°F	68.3	7.03 GPM	101.2°F	24'	1-1/2" NPT	25-1/4"	12-1/8"	25-1/4"	63
L99-618	11VSB12511	124,400	124°F	83.7	8.63 GPM	103.1°F	26'	1-1/2" NPT	25-1/4"	12-3/4"	25-1/4"	64
L99-619	11VSB14411	152,000	123°F	105.2	10.84 GPM	103.7°F	27'	2" NPT	29-1/2"	13-5/8"	29-1/2"	80
L99-620	11VSB16411	173,000	121°F	118.6	12.22 GPM	101.7°F	28'	2" NPT	29-1/2"	14-1/8"	29-1/2"	80
L99-621	11VSB20011	210,200	118°F	139.7	14.40 GPM	100.2°F	32'	2" NPT	29-1/2"	16"	29-1/2"	86
L99-622	11VSB23711	249,800	115°F	180.1	18.56 GPM	99.9°F	35'	2" NPT	37-1/2"	15-1/8"	37-1/2"	134
L99-623	11VSB28511	283,800	119°F	205.4	21.17 GPM	102.7°F	37'	2" NPT	37-1/2"	15-1/4"	37-1/2"	139
L99-624	11VSB31711	333,400	119°F	242.9	25.03 GPM	103.0°F	45'	2" NPT	37-1/2"	16-3/4"	37-1/2"	145
L99-625	11VSB36711	386,000	118°F	280.8	28.94 GPM	102.2°F	50'	2" NPT	37-1/2"	16-1/8"	37-1/2"	294
L99-626	11VSB49511	496,000	117°F	368.1	37.93 GPM	102.3°F	54'	2-1/2" NPT	42"	17-1/4"	42"	307
L99-627	11VSB58511	585,000	117°F	431.1	44.43 GPM	102.0°F	57'	2-1/2" NPT	42"	20-3/4"	42"	366
L99-628	11VSB70011	705,000	119°F	519.4	53.52 GPM	103.5°F	60'	2-1/2" NPT	42"	24-1/4"	42"	366

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Quick-Sling Unit Heater Swivel Mounts

QUICK-SLING

- Quick-Swivel allows for 360° unit rotation
- 14-gauge steel
- Directs flow of heat for maximum efficiency
- Includes all necessary hardware
- Unit heater not included


A


B


C


D


E


F

Fig.	Order #	Mfg. #	Description	Each
A	**B79-208**	QSWI1000	"U" Mount with H Bracket. Holds up to 200 lbs.	**515.00**
B	**B79-209**	QSWI2000	"U" Mount with I Bracket. Holds up to 200 lbs.	**599.00**
C	**B79-210**	QSWI3000	Flush Mount with H Bracket. Holds up to 200 lbs.	**439.00**
D	**B79-211**	QSWI3001	Flush Mount with H Bracket. With 36" Spreader Bar Holds up to 200 lbs.	**579.00**
E	**B60-869**	QSWI5001	Swivel Flush Heavy Duty With 34" I Bracket. Holds up to 400 lbs.	**735.00**
F	**B60-870**	QSWI5002	Swivel Flush Heavy Duty With 52" I Bracket. Holds up to 400 lbs.	**815.00**

Gas-Fired Unit Heaters

◀ NEW

REZNOR

Power Vented Axial Fan Models, Horizontal, Single-Phase

- TCORE² titanium stabilized aluminum steel heat exchanger
- Isolated axial fan and motor assembly
- Single burner combustion system
- Multi-try direct spark ignition with timed lockout
- Flame rollout safety switch
- Vibration/noise isolated fan and venter motors
- All sizes certified for commercial and industrial use
- 30K through 125K BtuH models approved for residential 115V applications
- Separated Combustion Kits Available **L82-987** and **L82-988**



Order #	Mfg. #	BtuH Input	BtuH Output	CFM	Flue Size	Width	Height	Depth	Wt. Lbs.
Gas-Fired Unit Heaters									
L62-574 ◀	UDXC30	30,000	24,600	456	4"	27"	13-3/4"	29-3/4"	57
L62-575 ◀	UDXC45	45,000	37,350	629	4"	27"	13-3/4"	29-3/4"	62
L62-576 ◀	UDXC60	60,000	49,800	769	4"	27"	16-3/4"	27"	71
L62-577 ◀	UDXC75	75,000	62,250	961	4"	27"	16-3/4"	27-5/8"	76
L62-578 ◀	UDXC100	105,000	87,150	1,345	4"	27"	24-3/4"	34-9/32"	101
L62-579 ◀	UDXC125	120,000	99,600	1,537	4"	27"	24-3/4"	34-9/32"	106
L62-580 ◀	UDXC150	150,000	124,500	1,921	5"	38-3/16"	20-1/8"	48-7/16"	178
L62-581 ◀	UDXC175	175,000	145,250	2,242	5"	38-3/16"	20-1/8"	48-7/16"	193
L62-582 ◀	UDXC200	200,000	166,000	2,562	5"	38-3/16"	20-1/8"	48-7/16"	193
L62-583 ◀	UDXC225	225,000	186,750	2,882	5"	38-3/16"	26-1/8"	48-7/16"	211
L62-584 ◀	UDXC250	250,000	207,500	3,202	5"	38-3/16"	26-1/8"	48-7/16"	223
L62-585 ◀	UDXC300	300,000	249,000	3,843	6"	41"	34-1/8"	48-29/32"	277
L62-586 ◀	UDXC350	350,000	290,500	4,483	6"	41"	34-1/8"	48-29/32"	303
L62-587 ◀	UDXC400	400,000	332,000	5,123	6"	41"	34-1/8"	48-29/32"	316

Gas-Fired Unit Heaters

REZNOR

High-Efficiency, Separated Combustion, Single-Phase

- Up to 93% thermal efficient
- TCORE³ 409 stainless steel primary heat exchanger
- Aluminum MacroChannel secondary heat exchanger
- Sealed control compartment houses all electrical components
- Single burner combustion system
- Multi-try direct spark ignition with timed lockout
- External gas connection
- Vibration/noise isolated fan and venter motors
- Certified for commercial and industrial use
- 115V



Order #	Mfg. #	BtuH Input	BtuH Output	CFM	Flue Size	Width	Height	Depth	Wt. Lbs.
L60-306	UEZ130	131,000	121,830	2,256	4"/6"	39-3/16"	20-1/8"	55-13/32"	242
L60-307	UEZ180	175,000	159,250	2,458	4"/6"	39-3/16"	20-1/8"	55-13/32"	262
L60-308	UEZ260	260,000	239,200	4,430	4"/6"	41"	34-1/8"	58"	380
L60-309	UEZ310	305,000	277,550	4,283	4"/6"	41"	34-1/8"	58"	427

REZNOR

Vent Kits

◀ NEW



Order #	Mfg. #	Description	Application	For Use With	Shipping Wt. Lbs.	Shipping Dimensions
Seperated Combustion Kit						
L82-987 ◀	1043105R	SC1 Seperated Combution Kit for sizes 30-125	Seperated Combution Kit for UDX-C or UBX-C Gas Unit Heaters (30-125)	UDX-C or UBX-C Gas Unit Heaters (30-125)	—	—
L82-988 ◀	1043106R	SC1 Seperated Combution Kit for sizes 150-400	Seperated Combution Kit for UDX-C or UBX-C Gas Unit Heaters (150-400)	UDX-C or UBX-C Gas Unit Heaters (150-400)	—	—
L82-213	RZ205895	Vertical Vent Kit	—	UDAS30 - 125	10.2	17-1/2" x 10-1/5" x 15-2/3"
L82-214	RZ205896	Vertical Vent Kit	—	UDAS150 - 400	13.85	20-1/3" x 13-6/7" x 17-3/5"
L82-215	RZ211762	Horizontal Vent Kit	—	UDAS30 - 125	5.8	14-3/5" x 14-1/2" x 10-2/5"
L82-216	RZ211763	Horizontal Vent Kit	—	UDAS150 - 400	7.6	22-2/5" x 15" x 11-1/2"
L82-217	RZ221248	Vertical Vent Kit	—	UEAS Models	10.8	21-2/3" x 19" x 15-3/5"
L82-218	RZ221247	Horizontal Vent Kit	—	UEAS Models	8.3	22-1/3" x 15" x 11-1/5"
L50-679	RZ111849	5" Vent Cap	—	UDAP150 - 250	4.5	10-1/5" x 10-1/2" x 10-2/3"
L82-591	RZ205882	Horizontal Vent Kit	—	UDZ30 - 125	5.8	14-3/5" x 14-1/2" x 10-2/5"
L82-592	RZ205883	Horizontal Vent Kit	—	UDZ150- 400	7.6	22-2/5" x 15" x 11-1/2"

REZNOR

LP Conversion Kits



Order #	Mfg. #	Description	For Use With	Shipping Wt. Lbs.	Shipping Dimensions
L51-127	1036536R	LP Conversion Kit	UD 30-45	0.2	9" x 12" x 3/4"
L51-128	1036537R	LP Conversion Kit	UD 60-75	0.3	9" x 12" x 3/4"
L51-130	1036539R	LP Conversion Kit	UD/UB 150-175	0.3	9" x 12" x 3/4"
L51-126	1036540R	LP Conversion Kit	UD/UB 200-250	0.35	9" x 12" x 3/4"
L51-131	1036543R	LP Conversion Kit	UD/UB 300-400	0.3	9" x 12" x 3/4"
L51-129	1036538R	LP Conversion Kit	UD/UB 100-125	0.4	9" x 12" x 3/4"

REZNOR

Motors and Blowers



Order #	Mfg. #	Description
S59-686	RZ163891	Motor
S59-687	RZ214067	Motor
S59-688	RZ148055	Motor
S59-689	RZ095547	Motor
S59-690	RZ1005552	Motor
S59-691	RZ236158	Motor
S59-692	RZ163893	Motor
S59-693	RZ271461	Motor
S59-694	RZ163892	Motor
S59-695	RZ194687	Motor
S59-696	RZ1005553	Motor
S59-697	RZ236159	Motor
S59-698	RZ096288	Motor
S59-699	RZ097727	Motor

Order #	Mfg. #	Description
S59-700	RZ095548	Motor
S59-701	RZ1012961	Motor
S59-703	RZ095546	Motor
S59-704	RZ156275	Motor
S59-705	RZ061069	Motor
S59-706	RZ262444	Motor
S59-707	RZ150771	Motor
S59-708	RZ148054	Motor
S59-709	RZ055680	Motor
S59-711	RZ196242	Motor (Fan)
S59-712	RZ196241	Motor (Fan)
S59-713	RZ196247	Motor (Fan)
S59-714	RZ196243	Motor (Fan)
S59-715	RZ196245	Motor (Fan)

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Pilot and Ignition Controls

REZNOR

Order #	Mfg. #	Description
L50-624	RZ257009	Ignition Control
L50-625	RZ204955	Ignition Control Board
L50-626	RZ147166	Spark Ignitor
L50-627	RZ121865	Hot Surface Ignitor
L50-644	RZ257472	Ignition Control Module
L50-645	RZ257473	Ignition Control Module
L50-646	RZ257531	Ignition Control Module



Flame Sensors

REZNOR

Order #	Mfg. #	Description
L50-611	RZ195292	Flame Sensor
L50-612	RZ147165	Flame Sensor



Limit Controllers

REZNOR

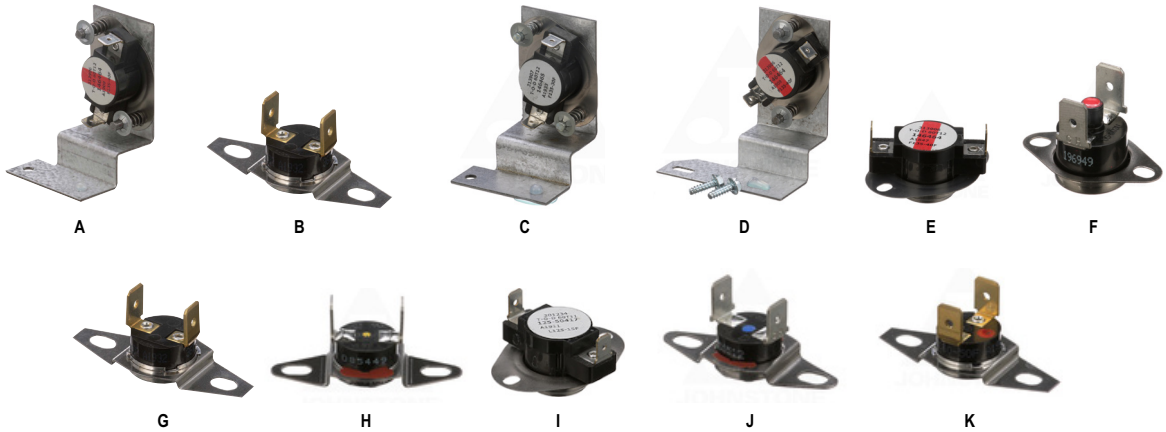

Fig.	Order #	Mfg. #	Description
A	**L50-605**	RZ209184	Fan Control Replacement Kit
B	**L50-606**	RZ123976	Fan Control
C	**L50-607**	RZ123974	Fan Control
D	**L50-608**	RZ147676	Fan Control Replacement Kit
E	**L50-609**	RZ146464	Fan Control
F	**L50-610**	RZ196949	Limit Switch
G	**L50-632**	RZ045602	Limit Switch
H	**L50-633**	RZ085449	Limit Switch
I	**L50-634**	RZ050417	Limit Switch
I	**L50-635**	RZ050418	Limit Switch
J	**L50-636**	RZ096512	Limit Switch
K	**L50-637**	RZ082091	Limit Switch

Time Delay Relays

REZNOR

Order #	Mfg. #	Description
L50-658	RZ018549	Time Delay Relay
L50-659	RZ263527	Relay Kit
L50-660	RZ259521	Time Delay Relay



Transformers

REZNOR

Order #	Mfg. #	Description
L50-676	RZ132204	Transformer
L50-677	RZ175265	Transformer
L50-678	RZ103055	Transformer



REZNOR

Pressure Switches



Order #	Mfg. #	Description
L50-663	RZ201158	Pressure Switch
L50-664	RZ197030	Pressure Switch
L50-665	RZ193810	Pressure Switch
L50-666	RZ196362	Pressure Switch
L50-667	RZ196388	Pressure Switch
L50-668	RZ204327	Pressure Switch
L50-669	RZ068266	Pressure Switch
L50-670	RZ196653	Pressure Switch

REZNOR

Vent Switches



Order #	Mfg. #	Description
L50-662	RZ121275	Blocked Vent Switch

REZNOR

Energy Cutout Switches



Order #	Mfg. #	Description
L50-603	RZ082414	Energy Cutout Device
L50-604	RZ131449	Energy Cutout Device

REZNOR

Gas Valves



Order #	Mfg. #	Description
L50-613	RZ260603	Gas Valve
L50-614	RZ208920	Gas Valve
L50-615	RZ196981	Gas Valve
L50-616	RZ096307	Gas Valve
L50-617	RZ096300	Gas Valve
L50-618	RZ177397	Gas Valve
L50-619	RZ221525	Gas Valve
L50-620	RZ015971	Gas Valve
L50-621	RZ177396	Gas Valve
L50-622	RZ121599	Gas Valve

TPI Corporation

Hydronic Electric Baseboard Heaters



- Hydronic element retains heat after the thermostat is turned off
- Low-profile design and three-inch depth allows heater to mount flush on wall and flat on floor
- No-maintenance sealed system requires no filling or replacement
- Liquid solution is permanently sealed

Order #	Mfg. #	Length	Amps	BtuH	Volts	Watts
N98-127	E3904-28	28"	3.3	1,360	120	400
N98-132	H3904-28	28"	1.6/1.4	1,360	240/208	400/300
N98-128	E3906-36	36"	5.0	2,048	120	600
N98-133	H3906-36	36"	2.5/2.2	2,048	240/208	600/450
N98-129	E3910-48	48"	8.3	3,413	120	1,000
N98-134	H3910-48	48"	4.2/3.6	3,413	240/208	1,000/750
N98-130	E3912-60	60"	10.4	4,265	120	1,250
N98-135	H3912-60	60"	5.2/4.5	4,265	240/208	1,250/938
N98-131	E3915-72	72"	12.5	5,100	120	1,500
N98-136	H3915-72	72"	6.3/5.4	5,100	240/208	1,500/1,125
N98-137	H3920-96	96"	8.3/7.2	6,826	240/208	2,000/1,500

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Raywall Hydronic Baseboard Heater Thermostats

TPI Corporation

- Thermostats are equipped with tamper-proof plug button
- Temperature range 50° to 90°F



Order #	Mfg. #	Description	F/L Amps @ 120V	Amps @ 277V	Phase
N45-200	3900T1	Single Pole	22	18	1-Phase
N45-201	3900T2	Double Pole	22	18	2-Phase

Raywall Baseboard Heaters

Stainless Steel Element Rod and Aluminum Fins

TPI Corporation

- 240/208VAC or 120VAC
- Junction box with quick-connect feature at either end
- Overall dimensions: 6" H x 2-1/2" D x L
- Mounting slots every 2" with a full length wireway along the back of the heater
- Durable designer white finish
- For use with baseboard or wall thermostats

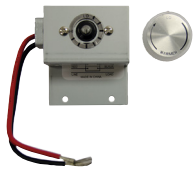


Order #	Mfg. #	Length	Volts	Watts	BtuH	Wt. Lbs.
X90-281	H2903-024SW	2'	240/208	375/281	1,275	8
X90-282	H2906-036SW	3'	240/208	600/450	2,040	9
X90-283	H2910-048SW	4'	240/208	1,000/750	3,413	11
X90-284	H2912-060SW	5'	240/208	1,250/938	4,250	13
X90-285	H2915-072SW	6'	240/208	1,500/1,125	5,100	15
X90-286	H2920-096SW	8'	240/208	2,000/1,500	6,826	20
X90-287	H2925-120SW	10'	240/208	2,500/1,875	8,532	25
X90-291	E2903-024SW	2'	120	375	1,275	8
X90-298	E2910-048SW	4'	120	1,000	3,413	11
X90-299	E2915-072SW	6'	120	1,500	5,100	15

Thermostats for "BC" Baseboard Heaters

TPI Corporation

- Baseboard mounted thermostat may be installed at either end of baseboard on junction box cover
- Integral snap action bimetal, single or double throw, 22A, 40°F to 100°F control range



Order #	Mfg. #	Color	Poles	For Use With
X71-206	TBS	White	Single	Raywall
X71-207	TBD	White	Double	Raywall

Line Voltage Thermostats

TPI Corporation

- Snap action bimetal switch
- Convenient snap-off cover with comfort zone indicator
- Temperature range: 50°F to 90°F
- Electrical ratings: 22A, 125/208/240/277VAC
- **L37-725** has thermometer on face plate



A



B

Fig.	Order #	Mfg. #	Switch Action	Color	Height	Width	Depth
A	**L37-495**	S2022H10AB	SPST	Ivory	4-1/2"	2-1/2"	1"
A	**L37-496**	D2022H10BB	DPST	Ivory	4-1/2"	2-1/2"	1"
A	**L37-840**	S2022H10AA	SPST	White	4-1/2"	2-1/2"	1"
A	**L37-841**	D2022H10BA	DPST	White	4-1/2"	2-1/2"	1"
B	**L37-725**	ETD9STS	SPDT	White	4-3/4"	2-3/4"	1"

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TPI Corporation

Portable Infrared Electric Heaters



- Provides instant heat for indoor and outdoor workstations
- Efficient infrared heat spot warms individuals and objects, not surrounding air
- Stand mount tip-resistant design, rear-mount carrying handle
- Stand mount cast aluminum three-wire terminal box
- Hand cart includes 6" diameter wheels, twin hand grips, and weather-tight steel conduit box

Fig.	Order #	Mfg. #	kW	BtuH	Volts	Phase	Amps	Watts	Shipping Dimensions	Shipping Wt. Lbs.	Reflector Pattern
Stand Mount											
A	**X93-103**	FSP-1412-1C	1.45	4,947	120	1	12	1,450	12" W x 12" L x 30" H	17	60° Symmetrical
A	**X93-104**	FSP-3124-1	3.15	10,749	240	1	13	3,150	12" W x 12" L x 52" H	22	60° Symmetrical
A	**X93-105**	FSP-3148-1	3.15	10,749	480	1	7	3,150	12" W x 12" L x 52" H	23	60° Symmetrical
Hand Cart											
B	**X93-106**	FSP-4324-3	4.3	14,972	240	3	10	4,300	24" W x 12" L x 41" H	32	60° Symmetrical
B	**X93-107**	FSP-4348-3	4.3	14,972	480	3	5	4,300	24" W x 12" L x 41" H	32	60° Symmetrical
B	**X93-108**	FSP-9524-3	9.5	32,414	240	3	23	9,500	48" W x 12" L x 62" H	46	60° Symmetrical
B	**X93-109**	FSP-9548-3	9.5	32,414	480	3	12	9,500	48" W x 12" L x 62" H	46	60° Symmetrical

TPI Corporation

Raywall Fan-Forced Wall Heaters



- 1,000 through 2,000 watts; 120 and 240/208V
- Auto limit
- Finned tubular steel element
- Thermostat: 40°F to 90°F
- Ideal for small space areas requiring supplementary heating
- Mounts horizontally or vertically
- Can be installed between studs
- All units include thermostat and wall box
- Manual reset thermal limit
- Thermal overload device disconnects elements and motor from power source if overheating occurs
- Steel frame construction with designer white finish — blends with decor
- Dimensions: 16-3/4" H x 7-5/8" W x 5-3/8" D
- Opening required: 14-1/2" H x 7-1/8" W x 3-1/2" D

Order #	Mfg. #	Watts	Volts	BtuH	Amps	Wt. Lbs.
X90-231	E4310TRPW	1,000	120	3,412	8	11
X90-232	HF4310TRPW	1,000/750	240/208	3,412	4	11
X90-233	E4315TRPW	1,500	120	5,120	13	11
X90-234	HF4315TRPW	1,500/1,125	240/208	5,120	6	11
X90-235	HF4320TRPW	2,000/1,500	240/208	6,284	8	11

TPI Corporation

Raywall Register Style Fan-Forced Wall Heaters



- Powder coated 20 ga. steel front
- Manual reset thermal limit
- Finned tubular steel element
- Dimensions: 16-3/4" W x 7-5/8" H
- Opening required: 14-1/2" W x 7-1/8" H x 3-1/2" D

Order #	Mfg. #	Watts	Volts	BtuH	Amps	Wt. Lbs.
X91-002	E4875RPW	750	120	2,560	6	8
X91-003	E4810RPW	1,000	120	3,413	8	8
X91-004	E4815RPW	1,500	120	5,120	13	8
X91-005	HF4875RPW	750/562	240/208	2,560	3.10/2.70	8
X91-006	HF4810RPW	1,000/750	240/208	3,413	4.20/3.60	8
X91-007	HF4815RPW	1,500/1,125	240/208	5,120	6.30/5.40	8
X91-008	HF4820RPW	2,000/1,500	240/208	6,826	8.30/7.20	8

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Raywall Fan-Forced Wall Heaters

TPI Corporation

- Dual wattage
- Designed for residential and commercial usage in spacious areas such as family rooms, basements, offices, lobbies, stores
- **X90-237** and **X90-238** have a built-in thermostat
- **X90-995** and **X90-996** have a built-in double pole thermostat
- **X90-997** and **X90-998** do not have a built-in thermostat
- Reliable thermal overload cut-offs
- Designer white finish with heavy gauge front louvered cover
- Heavy-duty sheath finned heating element for maximum heat transfer
- Powerful 12' downward air-throw for improved comfort and air circulation
- Dimensions: 20-9/64" H x 15-3/8" W
- Opening required: 19-15/16" H x 14-3/16" W x 4" D



Order #	Mfg. #	Watts	Volts	BtuH	Amps	Poles	Wt. Lbs.
X90-237	HF3315TRPW	3,000-2,250/1,500-1,125	240/208	10,239	12.5-10.8/6.2-5.4	Single	22
X90-238	HF3316TRPW	4,000-3,000/2,000-1,500	240/208	13,652	16.7-14.4/8.3-7.2	Single	22
X90-995	HF3315T2RPW	3,000-2,250/1,500-1,125	240/208	10,240	12.5-10.8/6.2-5.4	Double	24
X90-996	HF3316T2RPW	4,000-3,000/2,000-1,500	240/208	13,648	16.8-14.4/8.3-7.2	Double	24
X90-997	HF3315RPW	3,000-2,250/1,500-1,125	240/208	10,240	12.5-10.8/6.2-5.4	No Thermostat	24
X90-998	HF3316RPW	4,000-3,000/2,000-1,500	240/208	13,648	16.8-14.4/8.3-7.2	No Thermostat	24

Mid-Size Fan Forced Wall Heaters with Back Cans

TPI Corporation

- Approved for horizontal mounting — right or left discharge
- Opening required: 12-1/8" H x 9-1/4" W x 3-5/8" D
- Grill dimensions: 13" H x 9-25/32" W x 1" D
- Drywall depth embossments in back can
- Powder coated 18 ga. steel front
- Manual reset thermal limit
- Finned tubular steel element
- Propeller style fan blade — 2200 RPM/70 CFM
- Two-wire installation
- Built-in thermostats — 240/208V models have a double-pole thermostat, 120V models have a single-pole thermostat
- Units are white

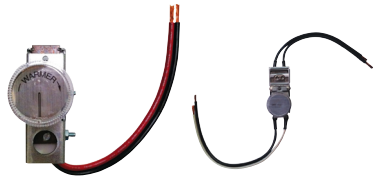


Order #	Mfg. #	Watts	Volts	BtuH	Amps	Wt. Lbs.
X92-381	HF3210T2RPW	1,000/750	240/208	3,413	4.20/3.60	6
X92-382	HF3215T2RPW	1,500/1,125	240/208	5,120	6.30/5.40	6
X92-383	HF3220T2RPW	2,000/1,500	240/208	6,826	8.30/7.20	6
X92-384	HF3222T2RPW	2,250/1,688	240/208	7,680	9.40/8.10	6
X92-385	E3275TRPW	750	120	2,560	6.25	6
X92-386	E3210TRPW	1,000	120	3,413	8.33	6
X92-387	E3215TRPW	1,500	120	5,120	12.50	6

Thermostat Kits

TPI Corporation

- For use with 4800 series register style fan forced wall heater - with wall box

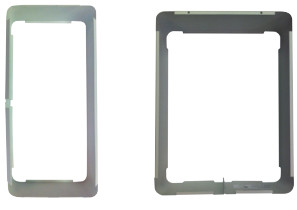


A B

Fig.	Order #	Mfg. #	Description	Mounting	For Use With	Wt. Lbs.
A	**L41-483**	43T	Single Pole Thermostat 50°F to 90°F	In-Built	4300 and 4800 Series Low Profile Fan Forced Wall Heaters	1
B	**L41-484**	48T2	Double Pole Thermostat 50°F to 90°F	In-Built	4300 Series Low Profile Fan Forced Wall Heaters	1

Surface Mounting Kits for Raywall Wall Heaters

TPI Corporation



A B

Fig.	Order #	Mfg. #	Description	Mounting	For Use With	Wt. Lbs.
A	**X89-600**	4300EX32	4" Surface Mounting Frame	Wall	4300 Series Low Profile Fan Forced Wall Heaters	2
B	**X89-694**	303EX32RW	4" Surface Mounting Frame	Wall	3200 Series Midsized Fan Forced Wall Heaters	2
B	**X89-915**	3310EX33WR	Surface Mounting Frame	Wall	3310 Series Fan Forced Wall Heaters	5

TPI Corporation

Fan-Forced Kickspace Heater

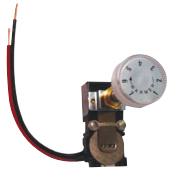


- Fits into soffits, stair risers or under utility cabinets
- Finned steel sheath lining element
- Manual reset thermal cut-out
- Recessed opening: 22-3/8" L x 3-5/8" W x 11-1/2" D

Order #	Mfg. #	Watts	Volts	BtuH	Amps	Wt. Lbs.
X91-009	TSH20J	1,500 or 1,000 1,500 or 750 2,000 or 1,000	120 208 240	5,120	12.5/8.4 7.2/3.6 8.4/4.2	16

TPI Corporation

Thermostat For Fan-Forced Kickspace Heaters



Order #	Mfg. #	Description	Mounting	For Use With	Wt. Lbs.
L41-485	TSH1TX	Single-Pole Built-In Thermostat Kit, 50°F to 90°F Temperature Range	Built-In	TSH Series Fan Forced Kickspace Specialty Heater	1

hotpod

Hotpod Electric Heaters



A



B

- Used to heat cold rooms or additions without upgrading central system
- Fan only operation for increased CFM output for A/C cycles
- 120V corded and hardwire models available
- 10 ft. cord length on corded models
- Zero clearance for all models
- Silent boot for rigid duct applications (**X82-496** and **X82-497**)

Fig.	Order #	Mfg. #	kW	BtuH	Volts	Phase	Amps	Watts	Temp. Rise	CFM	Size	Wt. Lbs.
A	**X82-492**	HP6-1000120-2T	1/.5	3,413	120	1	8.33	1,000/500	26° F	130	6"	4
A	**X82-493**	HP6-1000120-2CT	1/.5	4,915	120	1	8.33	1,000/500	26° F	130	6"	4
A	**X82-494**	HP8-1440120-2T	1.44/.72	3,413	120	1	12.60	1,440/720	23° F	210	8"	6
A	**X82-495**	HP8-1440120-2CT	1.44/.72	4,915	120	1	12.60	1,440/720	23° F	210	8"	6
B	**X82-496**	SB-6	—	—	—	—	—	—	—	—	6"	2
B	**X82-497**	SB-8	—	—	—	—	—	—	—	—	8"	2

fostoria
Quality Since 1917

Portable Electric Salamander Heaters



- For factories, garages and building construction sites where temporary, localized heat is needed
- Safe, clean and odor-free fan-forced heating system
- 10" heavy duty industrial wheels with pivoting housing for directional airflow
- Thermal cutout switch with auto reset
- Steel housing with safety yellow and black finish
- **X90-947** is factory pre-wired with 10 ft. cable

Order #	Mfg. #	kW	BtuH	Volts	Phase	Amps	Watts	Temp. Rise	CFM	Size	Wt. Lbs.
X90-947	FES-1024-1CA	10	34,130	240	1	42	10,000	30° F	800	21x27x39"	60
X90-948	FES-1520-3A	15	51,195	208	3	42	15,000	45° F	800	21x27x39"	65
X90-949	FES-1524-1A	15	51,195	240	1	63	15,000	45° F	800	21x27x39"	69
X90-950	FES-1524-3E	15	51,195	240	3	36	15,000	45° F	800	21x27x39"	65
X90-951	FES-1548-3E	15	51,195	480	3	18	15,000	45° F	800	21x27x39"	65
X90-952	FES-3048-3A	30	102,390	480	3	36	30,000	90° F	1100	23x27x39"	83

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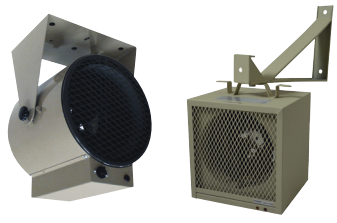
Fan Forced Portable Unit Heaters

TPI Corporation

- Finned steel tubular heating element
- Internal manual reset thermal cut-out
- 6' long cord with molded plug, can be removed at terminal block for hard wire installations
- Temperature control thermostat with 35°F to 85°F range
- 10' air throw = 262 CFM
- Swivel base can be used as a wall, floor or ceiling mount
- Beige Finish



A B

Fig.	Order #	Mfg. #	kW	BtuH	Volts	Phase	Amps	Watts	Temp. Rise	CFM	Size	Wt. Lbs.
Round Housing												
A	**X92-388**	HF684TC	4/3	13,652	240/208	1	16.7/14.5	4,000/3,000	48º F	262	13-1/2" x 17-1/2" x 11-1/2"	20
A	**X92-389**	HF685TC	4.8/3.6	16,384	240/208	1	20.0/17.4	4,800/3,600	58º F	262	13-1/2" x 17-1/2" x 11-1/2"	20
A	**X92-390**	HF686TC	5.6/4.2	19,107	240/208	1	23.4/20.2	5,600/4,200	75º F	262	13-1/2" x 17-1/2" x 11-1/2"	20
Square Housing												
B	**X93-134**	HF5840TC	4/3	13,652	240/208	1	16.6/14.4	4,000/3,000	45º F	238	11"	17
B	**X93-135**	HF5848TC	4.8/3.6	15,086	240/208	1	20.0/17.3	4,800/3,600	55º F	238	11"	17

Milk House Utility Heater

TPI Corporation

- Whisper quiet, fan-forced heat
- Adjustable automatic thermostat
- 3-wire, 3-prong, jacketed and grounded cord set
- Automatically shuts off if heater tips over
- 1,300 watts or 1,500 watts



Order #	Mfg. #	kW	BtuH	Volts	Phase	Amps	Watts	Temp. Rise	CFM	Size	Wt. Lbs.
X89-517	188 TASA	1.5/1.3	5,120	120	1	12.5/10.8	1500/1300	28º F	135	10" x 16" x 9-1/2"	9

Raywall Unit Heaters

Electric, Forced Air

TPI Corporation

- For commercial and industrial use
- Adjustable louvers, easily removable louver assembly
- Can be mounted to 45° off horizontal in a downward direction
- Enclosed heating element, automatic heat protection and large prewired control box
- Mounts with combination wall or ceiling bracket (not included) listed below
- Powder coat beige finish
- Larger kW models are available on special order



Order #	Mfg. #	kW	BtuH	Volts	Phase	Amps	Watts	Temp. Rise	CFM	Size	Wt. Lbs.
X90-396	H1HUH03003	3.3	11,200	240	1	13.8	3,300	26º F	400	20" W x 13" H x 11" D	36
X90-397	P3PUH03CA1	3.3	11,200	480	3	4.0	3,300	26º F	400	20" W x 13" H x 11" D	36
X90-398	H1HUH05003	5.0	17,100	240	1	20.8	5,000	40º F	400	20" W x 13" H x 11" D	36
X90-399	P3PUH05CA1	5.0	17,100	480	3	6.1	5,000	40º F	400	20" W x 13" H x 11" D	46
X90-400	H1HUH07CA1	7.5	25,600	240	1	31.3	7,500	42º F	575	20" W x 13" H x 11" D	41
X90-401	H2HUH07C03	7.5	25,600	240	1/3	31.3/18.1	7,500	42º F	575	20" W x 13" H x 11" D	44
X90-402	P3PUH07CA1	7.5	25,600	480	3	9.1	7,500	42º F	575	20" W x 13" H x 11" D	44
X90-403	H1HUH10CA1	10.0	34,100	240	1	41.7	10,000	55º F	575	20" W x 13" H x 11" D	42
X90-404	HF2BUH10C03	10.0/7.5	34,100	240/208	1/3	41.7/24.1/36.1/20.8	10,000/7,500	55º F/42º F	575	20" W x 13" H x 11" D	45
X90-405	P3PUH10CA1	10.0	34,100	480	3	12.1	10,000	55º F	575	20" W x 13" H x 11" D	51
X90-406	P3PUH12CA1	12.5	42,600	480	3	15.1	12,000	49º F	800	17" W x 24" H x 17" D	45
X90-407	P3PUH15CA1	15.0	51,200	480	3	18.1	15,000	59º F	800	17" W x 24" H x 17" D	52

Cabinet Dimensions

For Models	Width	Height	Depth
3.3kW through 10kW	13"	20"	11"

For Models	Width	Height	Depth
12kW & 15kW	15"	22"	11"

TPI Corporation

Accessories for Raywall Unit Heaters



Order #	Mfg. #	Description	Mounting	For Use With	Wt. Lbs.
X89-709	TUH1	Thermostat Kit	Wall or Ceiling	X90-396 thru X90-407	1
X89-361	UHB-1	Combination Mounting Bracket	Wall or Ceiling	X90-396 thru X90-407	6

TPI Corporation



Raywall Multi-Wattage Unit Heater

One Heater — Eight Wattage/Voltage Combinations

- Heavy-duty block fin element design offers excellent heat dissipation across entire element
- Unit mounted hydraulic action thermostat (50°F to 90°F)
- Heavy-duty wall/ceiling mount bracket; adjustable louvers
- Large wiring compartment with hinged door eases field wiring connections
- At 240V can provide 2,500, 3,332, 4,165 or 5,000 watts of heat
- At 208V can provide 1,874, 2,500, 3,123 or 3,750 watts of heat

Order #	Mfg. #	kW	BtuH	Volts	Phase	Amps	Watts	Temp. Rise	CFM	Size	Wt. Lbs.
X90-290	HF5605T	1.87 - 5	6,396 - 17,065	208/240	1	9 - 21	1,874 to 5,000	21° F - 57° F	275	14-1/4" W x 14-3/4" H x 12-11/16" D	32

TPI Corporation



Raywall 5100 Series Heavy-Duty Unit Heaters

Electric, Forced Air

- For commercial and industrial use
- Can be mounted for vertical or horizontal operation
- Adjustable louvers
- Heavy gauge welded steel cabinet with powder coat beige finish
- Hinged and latched access door simplifies wiring, installation and maintenance
- Larger kW models are available on special order

Order #	Mfg. #	kW	BtuH	Volts	Phase	Amps	Watts	Temp. Rise	CFM	Size	Wt. Lbs.
X90-467	F2F5103N	3.3	11,200	208	1/3	15.86/9.17	3,300	26° F	400	14-15/32" W x 17-3/4" H x 6-1/2" D	29
X90-468	HF2B5103N	3.3/2.5	11,200	240/208	1/3	13.7/11.9/7.9/6.9	3,300/2,500	26° F	400	14-15/32" W x 17-3/4" H x 6-1/2" D	29
X90-469	P3P5103CA1N	3.3	11,200	480	3	4.0	3,300	26° F	400	14-15/32" W x 17-3/4" H x 6-1/2" D	29
X90-470	F2F5105N	5.0	17,100	208	1/3	24.1/13.9	5,000	40° F	400	14-15/32" W x 17-3/4" H x 6-1/2" D	29
X90-471	HF2B5105N	5.0/3.7	17,100	240/208	1/3	20.8/18.1/12.1/10.4	5,000/3,700	40° F	400	14-15/32" W x 17-3/4" H x 6-1/2" D	29
X90-472	G1G5105N	5.0	17,100	277	1	18.1	5,000	40° F	400	14-15/32" W x 17-3/4" H x 6-1/2" D	29
X90-473	P3P5105CA1N	5.0	17,100	480	3	6.1	5,000	40° F	400	14-15/32" W x 17-3/4" H x 6-1/2" D	29
X90-474	F2F5107CA1L	7.5	25,600	208	1/3	36.1/20.8	7,500	34° F	700	21-1/2" W x 24-5/16" H x 6-1/2" D	47
X90-475	HF2B5107CA1L	7.5/5.6	25,600	240/208	1/3	27.1/31.3/31.3/27.1	7,500/5,600	34° F	700	21-1/2" W x 24-5/16" H x 6-1/2" D	47
X90-476	P3P5107CA1N	7.5	25,600	480	3	9.1	7,500	34° F	700	21-1/2" W x 24-5/16" H x 6-1/2" D	47
X90-477	F2F5110CA1L	10.0	33,800	208	1/3	47.8/27.4	10,000	45° F	700	21-1/2" W x 24-5/16" H x 6-1/2" D	47
X90-478	HF2B5110CA1L	10.0/7.5	34,100	240/208	1/3	41.2/24.0/36.1/20.8	10,000/7,500	45° F	700	21-1/2" W x 24-5/16" H x 6-1/2" D	47
X90-479	P3P5110CA1N	10.0	34,100	480	3	12.1	10,000	45° F	700	21-1/2" W x 24-5/16" H x 6-1/2" D	47
X90-480	F3F5115CA1L	15.0	51,200	208	3	41.7	15,000	43° F	1,100	21-1/2" W x 28-11/16" H x 6-1/2" D	60
X90-481	HF3B5115CA1L	15.0/11.2	51,200	240/208	3	36.1/31.3	15,000/11,200	43° F	1,100	21-1/2" W x 28-11/16" H x 6-1/2" D	60
X90-482	P3P5115CA1N	15.0	51,200	480	3	18.1	15,000	43° F	1,100	21-1/2" W x 28-11/16" H x 6-1/2" D	60

Cabinet Dimensions

For Models	Width	Height	Depth
3.3kW–5.0kW	14-15/32"	17-3/4"	6-1/2"
7.5kW–10.0kW	21-1/2"	24-5/16"	6-1/2"

For Models	Width	Height	Depth
15.0kW	21-1/2"	28-11/16"	6-1/2"

TPI Corporation



5100 Series Unit Heater Thermostats

- Temperature range: 45°F to 90°F
- Line duty, 25A, 120–277V
- **X89-804** is single pole, single throw
- **X89-805** is double pole, single throw

Order #	Mfg. #	Description	Switch Action	Mounting	For Use With	Wt. Lbs.
X89-804	T5100	Unit Heater Thermostat	SPST	Built-In	5100 Series Unit Heaters	1
X89-805	T5102	Unit Heater Thermostat	DPST	Built-In	5101 Series Unit Heaters	1

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5100 Series Unit Heater Mounting Brackets

- **X89-806** and **X89-807** includes **X89-808** Threaded Rod
- All steel construction
- Bracket can be mounted from wall or ceiling structure



Order #	Mfg. #	Description	Mounting	For Use With	Wt. Lbs.
X89-806	A5105	Unit Heater Mounting Bracket	Wall or Ceiling	3.3 kW–5.0 kW	9
X89-807	A5120	Unit Heater Mounting Bracket	Wall or Ceiling	7.5 kW–20.0 kW	13



WILLIAMS



Wall Furnace

Top Vent Gas Wall Heater, Ultra Low NOx

- High-efficiency 82% AFUE
- Sustainable ultra-low emissions
- No standing pilot
- Fits into the same opening and uses the same venting as the traditional Monterey wall furnace
- Heats up to 1,000 square feet
- Natural gas; LP conversion kits available
- Programmable digital thermostat included
- Either **L82-802** or **L82-803** power supply is required

Order #	Mfg. #	Type	Gas Type	BtuH Input	BtuH Output	Thermostat	Width	Height	Depth	Wt. Lbs.
Top Vent Gas Wall Heater										
L61-995	AC2030TNA	Top Vent	Natural	30,000	25,428	Programmable	16"	65-3/4"	6"	106
L51-827	TG2030TN	Top Vent	NG	30,000	24,600	Programmable	16	65-3/4	6	120
L82-802	M119015	—	—	—	—	—	—	—	—	—
L82-803	M119046	—	—	—	—	—	—	—	—	—

WILLIAMS



A



B

Wall Furnaces

Forsaire Top Vent, Direct Vent Counterflow and Electric Models

- 80% thermal efficiency
- Heats up to three rooms
- Forced air counterflow circulation provides equalized floor-to-ceiling temperatures
- Freestanding or recessed mounting
- Direct vent models use outside air for combustion; burners are completely sealed within the heating chamber; combustion is discharged through the wall
- Oval vent starter kit **L86-682** may be needed on some top vent installations
- **L96-860** and **L96-861** are intermittent ignition models; all others are standing pilot
- Automatic temperature and safety controls
- Gas furnaces are natural gas; LP conversion kits available for all models
- No venting included unless stated in the notes
- Requires **L40-149** Millivolt wall thermostat (not included)
- 115V

Fig.	Order #	Mfg. #	Type	Gas Type	BtuH/kW Input	BtuH Input	BtuH Output	Thermostat	Width	Height	Depth	Wt. Lbs.
A	**L92-642**	3508632	Forsaire T-Vent	NG	35,000	35,000	28,000	24V — Wall	14-1/8"	72-1/2"	10-1/4"	90
A	**L96-860**	3508232	Forsaire T-Vent	NG	35,000	35,000	28,000	24V — Wall	14-1/8"	72-1/2"	10-1/4"	95
A	**L96-636**	5008632	Forsaire T-Vent	NG	50,000	50,000	40,000	24V — Wall	14-1/8"	81"	10-1/4"	99
A	**L96-861**	5508232	Forsaire T-Vent	NG	55,000	55,000	42,500	24V — Wall	14-1/8"	87"	10-1/4"	113
A	**L92-641**	6508632	Forsaire T-Vent	NG	65,000	65,000	48,000	24V — Wall	14-1/8"	87"	10-1/4"	107
B	**L96-623**	4007732	Forsaire D-Vent	NG	40,000	40,000	32,000	24V — Wall	14-1/8"	77-3/8"	11-3/4"	126
B	**L93-823**	4007332	Forsaire D-Vent	NG	40,000	40,000	32,000	24V — Wall	14-1/8"	77-3/8"	11-3/4"	126
B	**L93-825**	5507332	Forsaire D-Vent	NG	55,000	55,000	42,500	24V — Wall	14-1/8"	87"	11-3/4"	140
B	**L92-386**	6007732	Forsaire D-Vent	NG	60,000	60,000	47,000	24V — Wall	14-1/8"	87"	11-3/4"	140

WILLIAMS



Wall Furnaces

Monterey SRO, Top Vent Gravity

- 80% thermal efficiency; 9% increased efficiency over existing gravity wall furnaces
- Heats up to three rooms
- Side relief opening (SRO) draft hood design
- No electricity required
- Louvered face panel
- Strictly vertical vent pipe cannot go through wall to vent horizontally
- Automatic temperature and safety controls
- All furnaces are natural gas; LP conversion kits available for all models
- No venting included unless stated in the notes
- Requires **L40-149** Millivolt wall thermostat (not included)

Order #	Mfg. #	Type	Gas Type	BtuH Input	BtuH Output	Thermostat	Width	Height	Depth	Wt. Lbs.
L96-180	2509622A	Monterey T-Vent	NG	25,000	19,200	Millivolt Wall	16"	65-3/4"	6"	86
L96-179	3509622A	Monterey T-Vent	NG	35,000	23,700	Millivolt Wall	16"	65-3/4"	6"	88
L96-178	5009622A	Monterey T-Vent	NG	50,000	38,500	Millivolt Wall	16"	65-3/4"	6"	137

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Wall Furnaces

WILLIAMS

Direct Vent, Wall Mounted

- Up to 76% thermal efficiency
- All vent material included
- Sealed combustion safety technology uses no inside air for operation
- Two-speed recirculating fan and electronic ignition (except **L90-055** and **L90-056** which do not require electricity)
- **L90-057** and **L90-058** offer a programmable seven-day timer/clock
- Durable white finish



A



B

Fig.	Order #	Mfg. #	Gas Type	BtuH Input	BtuH Output	Thermostat	Width	Height	Depth	Wt. Lbs.
A	**L90-055**	743511	LP	7,400	5,500	Built-In	18-7/8"	22-1/4"	6-3/4"	44
A	**L90-056**	743512	NG	7,400	5,500	Built-In	18-7/8"	22-1/4"	6-3/4"	44
B	**L90-057**	1773511	LP	17,700	13,500	Built-In	21-3/4"	28-1/8"	8-1/4"	57
B	**L90-058**	1773512	NG	17,700	13,500	Built-In	21-3/4"	28-1/8"	8-1/4"	57

Home Floor Furnaces

NEW

WILLIAMS

70% Thermal Efficiency

- Uses no above the floor room space
- Circulates warm air efficiently without a blower
- Automatic floor register grill temperature control
- Quiet heavy-duty burner
- Combustion chamber lifts out for easy servicing
- Requires **L40-149** Millivolt wall thermostat (not included)
- Pilot ignitor
- Propane conversion kits available



Order #	Mfg. #	BtuH Input	BtuH Output	Cabinet Dimensions	Floor Opening	Wt. Lbs.
L62-770 ◀	3005622	30,000	21,000	14"W x 32"L x 29-1/4"H	14-1/4"W x 32-1/4"L	96
L62-771 ◀	5005622	50,000	35,000	22"W x 32"L x 29-1/4"H	22-1/2"W x 32-1/2"L	120
L96-626	4505622A	45,000	31,500	24" W x 32" L x 28-1/2" H	24-1/4" W x 32-3/8" L	147
L96-627	6005622A	60,000	42,000	24" W x 42" L x 28-1/2" H	24-1/4" W x 42-3/8" L	174

Wall Furnaces

WILLIAMS

Direct-Vent Gravity

- Eliminates need for flues, pipes and chimneys
- Equipped with vent fittings for 5" to 9" wall
- Push button pilot ignition
- No electricity required
- Requires **L40-149** Millivolt wall thermostat (not included)
- Gas conversion kits available



Order #	Mfg. #	Type	Gas Type	BtuH Input	BtuH Output	Thermostat	Width	Height	Depth	Wt. Lbs.
L96-676	1403822	D-Vent	NG	14,000	9,800	Millivolt Wall	18"	26-7/8"	7-3/16"	56
L92-444	2203822	D-Vent	NG	22,000	16,242	Millivolt Wall	32-1/16"	28"	10-1/4"	98
L93-602	3003822	D-Vent	NG	30,000	21,000	Millivolt Wall	32-3/16"	28"	10-1/4"	100
L93-601	3003821	D-Vent	LP	30,000	21,000	Millivolt Wall	32-3/16"	28"	10-1/4"	100

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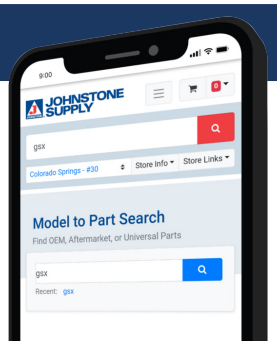

WILLIAMS



A



B

Vented Gas Console Heaters

Enclosed Models

- Louvered-top design and expansive front grill for improved heat circulation
- Free-standing; built-in draft diverter to permit close-to-wall installation
- Vent shutoff system for added safety
- **L82-259** Blower may be ordered separately
- Natural gas, propane gas conversion kits available
- Requires **L40-149** Millivolt wall thermostat (not included)
- 115V

Fig.	Order #	Mfg. #	Type	Gas Type	BtuH Input	BtuH Output	Thermostat	Width	Height	Depth	Wt. Lbs.
Enclosed Front - No Blower											
A	**L60-272**	2001622A	Vented Room Heater	NG	20,000	15,500	Millivolt Wall	23"	21-9/16"	12-3/8"	45
A	**L95-667**	3501522A	Vented Room Heater	NG	35,000	25,000	Millivolt Wall	25"	28-7/8"	16"	74
A	**L95-668**	5001522A	Vented Room Heater	NG	50,000	34,500	Millivolt Wall	30"	33-1/4"	17"	103
A	**L95-669**	6501522A	Vented Room Heater	NG	65,000	47,000	Millivolt Wall	34"	33-7/8"	20-1/2"	128
Enclosed Front - Blower Included											
A	**L96-193**	3501922A	Vented Room Heater	NG	35,000	25,000	Millivolt Wall	30"	28-7/8"	16"	83
A	**L96-194**	5001922A	Vented Room Heater	NG	50,000	34,500	Millivolt Wall	30"	33-1/4"	17"	112
A	**L96-195**	6501922A	Vented Room Heater	NG	65,000	47,000	Millivolt Wall	34"	33-7/8"	20-1/2"	137
Fireplace Front - No Blower											
B	**L95-670**	3502522A	Vented Room Heater	NG	35,000	25,000	Millivolt Wall	25"	28-7/8"	16"	81
B	**L95-671**	5002522A	Vented Room Heater	NG	50,000	34,500	Millivolt Wall	30"	33-1/4"	17"	108
B	**L95-672**	6502522A	Vented Room Heater	NG	65,000	47,000	Millivolt Wall	34"	33-7/8"	20-1/2"	135
Fireplace Front - Blower Included											
B	**L96-628**	3502922A	Vented Room Heater	NG	35,000	25,000	Millivolt Wall	25"	28-7/8"	16"	90
B	**L96-629**	5002922A	Vented Room Heater	NG	50,000	34,500	Millivolt Wall	30"	33-1/4"	17"	117
B	**L96-630**	6502922A	Vented Room Heater	NG	65,000	47,000	Millivolt Wall	34"	33-7/8"	20-1/2"	144

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LP Conversion Kits

WILLIAMS



A



B

Fig.	Order #	Mfg. #	Description	Application	For Use With	Shipping Wt. Lbs.	Shipping Dimensions	Wt. Lbs.
A	**L40-148**	7687	LP Gas Conversion Kit	Williams Products	5008732	0.15	5-3/4" W x 8-3/7" L x 1" H	0.15
A	**L47-743**	7716	LP Gas Conversion Kit	Williams Products	3508232, 3518232, 3538232, 3558232	0.15	6-1/5" W x 8-9/10" L x 9/10" H	0.15
A	**L47-744**	7718	LP Gas Conversion Kit	Williams Products	3508632, 3518632, 3538632, 3558632	0.20	5-7/10" W x 9" L x 7/10" H	0.20
A	**L47-745**	7720	LP Gas Conversion Kit	Williams Products	5008632, 5018632, 5038632, 5058632	0.20	5-4/5" W x 4-4/5" L x 7/10" H	0.20
A	**L47-746**	7722	LP Gas Conversion Kit	Williams Products	5508232, 5518232, 5538232, 5558232	0.20	6-2/5" W x 9-1/10" L x 7/10" H	0.20
A	**L47-747**	7726	LP Gas Conversion Kit	Williams Products	6508632, 6518632, 6538632, 6558632	0.15	8-3/5" W x 5-4/5" L x 9/10" H	0.15
A	**L47-748**	7728	LP Gas Conversion Kit	Williams Products	4007332, 4017332, 4037332, 4057332, 4007732, 4017732, 4037732, 4057732	0.15	7-1/5" W x 5-4/5" L x 7/10" H	0.15
A	**L47-749**	7730	LP Gas Conversion Kit	Williams Products	5507332, 5517332, 5537332, 5557332	0.20	6" W x 4" L x 7/10" H	0.20
A	**L47-750**	7732	LP Gas Conversion Kit	Williams Products	6007732, 6017732, 6037732, 6057732	0.09	6-1/2" W x 9" L x 1/2" H	0.09
B	**L39-052**	8901	LP Gas Conversion Kit	Williams Products	2509622	0.20	3-9/10" W x 8-3/10" L x 9/10" H	0.20
B	**L39-053**	8902	LP Gas Conversion Kit	Williams Products	3509622	0.25	5-3/5" W x 5-7/10" L x 9/10" H	0.25
B	**L39-055**	8925	LP Gas Conversion Kit	Williams Products	1403622	0.22	5-1/5" W x 5-2/5" L x 9/10" H	0.22
B	**L39-058**	8932	LP Gas Conversion Kit	Williams Products	3501522, 3501922, 3502522, 3502922	0.25	7" W x 7" L x 1-1/5" H	0.25
B	**L39-059**	8933	LP Gas Conversion Kit	Williams Products	5001522, 5001922, 5002522, 5002922	0.20	5-3/5" W x 8-1/2" L x 1-1/5" H	0.20
B	**L47-736**	8907	LP Gas Conversion Kit	Williams Products	2509822, 2519822, 2539822, 2559822	0.20	5-3/5" W x 6" L x 8/10" H	0.20
B	**L47-737**	8908	LP Gas Conversion Kit	Williams Products	3509822, 3519822, 3539822, 3559822	0.20	4-1/2" W x 6" L x 9/10" H	0.20
B	**L47-738**	8909	LP Gas Conversion Kit	Williams Products	5009822, 5019822, 5039822, 5059822	1.00	6" W x 1" L x 9" H	1.00
B	**L47-739**	8913	LP Gas Conversion Kit	Williams Products	2509622A, 2519622A, 2539622A, 2559622A	0.40	6-4/5" W x 8-1/2" L x 4-1/5" H	0.40
B	**L47-740**	8914	LP Gas Conversion Kit	Williams Products	3509622A, 3519622A, 3539622A, 3559622A	0.13	6-3/10" W x 9" L x 1" H	0.13
B	**L47-741**	8939	LP Gas Conversion Kit	Williams Products	1403822, 1413822, 1433822, 1453822	0.15	4-4/5" W x 8-9/10" L x 8/10" H	0.15
B	**L47-742**	8940	LP Gas Conversion Kit	Williams Products	2203822	1.25	3/10" W x 6-1/5" L x 1-3/10" H	1.25
B	**L47-751**	8945	LP Gas Conversion Kit	Williams Products	2001622A, 2011622A, 2031622A, 2051622A	0.25	5-3/5" W x 7-1/5" L x 1" H	0.25
B	**L47-752**	8946	LP Gas Conversion Kit	Williams Products	3501522A, 3511522A, 3531522A, 3551522A, 3501922A, 3511922A, 3531922A, 3551922A, 3502522A, 3512522A, 3532522A, 3552522A, 3502922A, 3512922A, 3532922A, 3552922A	0.20	8-1/2" W x 6" L x 7/10" H	0.20
B	**L47-753**	8947	LP Gas Conversion Kit	Williams Products	5001522A, 5011522A, 5031522A, 5051522A, 5001922A, 5011922A, 5031922A, 5051922A, 5002522A, 5012522A, 5032522A, 5052522A, 5002922A, 5012922A, 5032922A, 5052922A	0.15	4-1/2" W x 4-1/2" L x 9/10" H	0.15
B	**L47-754**	8948	LP Gas Conversion Kit	Williams Products	6501522A, 6511522A, 6531522A, 6551522A, 6501922A, 6511922A, 6531922A, 6551922A, 6502522A, 6512522A, 6532522A, 6552522A, 6502922A, 6512922A, 6532922A, 6552922A	2.35	6" W x 6-1/5" L x 1-1/10" H	2.35
B	**L47-755**	8953	LP Gas Conversion Kit	Williams Products	4505622A, 4515622A, 4535622A, 4555622A	1.00	6" W x 1" L x 9" H	1.00
B	**L47-756**	8954	LP Gas Conversion Kit	Williams Products	6005322A, 6015622A, 6035622A, 6055622A	1.00	6" W x 1" L x 9" H	1.00
B	**L49-377**	8941	LP Gas Conversion Kit	Williams Products	3003822	0.25	3-9/10" W x 6" L x 8/10" H	0.25

Ignition Control Module

WILLIAMS



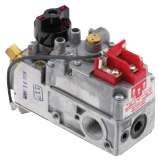
Order #	Mfg. #	Description	For Use With
L39-076	P321900	Ignition Control Module	3508231, 3508232, 3508332, 3508331, 4007331, 4007332, 5508331, 5508332, 5507331, 5507332, 5508231, 5508232

WILLIAMS

Gas Valves

- Gas valve kits (**L40-713**, **L40-714** and **L40-715**) include: gas valve, wall-mounted thermostat, wire, pilot and electrode


A


B


C


D


E


F

Fig.	Order #	Mfg. #	Description	For Use With
A	**L39-077**	P323209	Gas Valve	6508732, 3508732, 5008732, 6508632, 3508632 and 5008632
A	**L40-157**	P323210	Gas Valve	3508232, 3508332, 4007332, 5508332, 6508332, 5507332, 5508232, 6008132, 5508232
B	**L40-155**	P323011	Gas Valve	2509622, 2509622A, 3509622, 3509622A, 5009622, 5009622A, 2509822, 3509822, 5009822, 3501522, 3501922, 3502522, 3502922, 5001522, 5001922, 5002522, 5002922, 6501522, 6501922, 6502522, 6502922
C	**L40-159**	P295200A	Gas Valve	1403622, 2203622, 3003622, 1403822, 2203822
D	**L40-713**	7131	Gas Valve Kit	1403612, 2203612, 3003612
E	**L40-714**	7133	Gas Valve Kit	2509612, 3509612
F	**L40-715**	7137	Gas Valve Kit	3501912, 5001912, 6501912

WILLIAMS

Flame Sensor



Order #	Mfg. #	Description	For Use With
L40-151	P271100	Flame Sensor	3508231, 3508232, 3508332, 3508331, 4007331, 4007332, 5508331, 5508332, 5507331, 5507332, 5508231, 5508232

WILLIAMS

Manual Spark Ignitor



Order #	Mfg. #	Description	For Use With
L40-152	P285500	Manual Spark Ignitor	All Williams Monterey, Monterey Plus, Floor Furnace, Direct-Vent Gravity and Vented Gas Console Heaters

WILLIAMS

Natural Gas Pilots


A


B

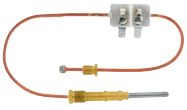

C

Fig.	Order #	Mfg. #	Description	For Use With
A	**L39-075**	P320758	Natural Gas Pilot	5009622
B	**L40-153**	P323700	Natural Gas Pilot	1403612, 2203612, 3003612

Fig.	Order #	Mfg. #	Description	For Use With
C	**L40-154**	P323418	Natural Gas Pilot	4007332, 5507332, 4007732, 5507732, 6007732, 6257732, 3508332, 5508332, 6508332, 3508232, 5508232

WILLIAMS

Thermocouples


A


B

Fig.	Order #	Mfg. #	Description	For Use With
A	**L39-078**	P322391	Terminal Block Thermocouple	6501912, 6502912.4
B	**L39-070**	P233100	Thermocouple	3003612, 2203612, 1403612

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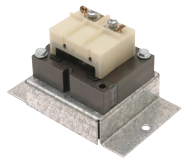
Transformer

WILLIAMS



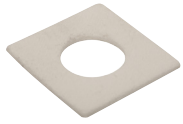
Order #	Mfg. #	Description	For Use With
L39-065	P024200	Transformer	All Williams Counterflow Forsaire models

Gaskets

WILLIAMS



A



B



C

Fig.	Order #	Mfg. #	Description	For Use With
A	**L39-066**	7811	Door Gasket	L96-184, L96-183, L96-182, L96-676
B	**L39-062**	P100100	Pilot Observation Door Gasket	L96-184, L96-183, L96-182, L96-676
C	**L39-072**	P142700	Pilot Gasket	L96-184, L96-183, L96-182, L96-676

Motors

WILLIAMS



Order #	Mfg. #	Description	For Use With
S89-406	P321601	Motor	6508731, 6508732, 6508631, 6508632, 6008531, 6008532, 6007731, 6007732, 6257731, 6257732
S89-407	P062101	Motor	5008731, 5008732, 5008631, 5008632

Fan Blades

WILLIAMS



A



B

Fig.	Order #	Mfg. #	Description	For Use With
A	**W89-273**	P200600	—	3144030, 4007331, 4007332, 4007731, 4007732, 5008631, 5008632, 5008731, 5008732, 5507331, 5507332, 6007731, 6007732, 6008531, 6008532, 6257731, 6257732
A	**W69-281**	P300500	Fan Blade	3508731, 3508732, 3508331, 3508332
B	**W89-274**	7B111	Fan Blade	6508731, 6508732, 6508631, 6508632

Header Accessories

WILLIAMS



A



B

Fig.	Order #	Mfg. #	Description	For Use With
A	**L86-523**	5902	25 & 35 BtuH Monterey Header	2509621, 2509622, 3509621, 3509622, 2509621A, 2509622A, 3509621A, 3509622A, 2509822, 3509822, 2509821, 3509821
B	**L86-522**	5901	50 BtuH Monterey Header	5009621, 5009622, 5009621A, 5009622A, 5009822, 5009821

Combustion Chambers

WILLIAMS



A



B

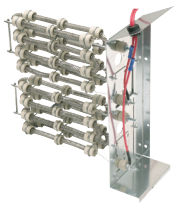
Fig.	Order #	Mfg. #	Description	For Use With
A	**L96-633**	6912	25 BtuH Combustion Chamber for Monterey	2509622
A	**L96-634**	6913	35 BtuH Combustion Chamber for Monterey	3509622
B	**L96-635**	6914	50 BtuH Combustion Chamber for Monterey	5009622

WILLIAMS

Heating Element for Electric Wall Furnaces



A



B

Fig.	Order #	Mfg. #	Description
A	**L40-166**	P323665	Fuse Limiter for L96-625
B	**L86-684**	P155001	Heating Element for L96-625

WILLIAMS

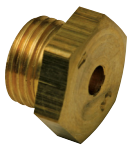
Replacement Thermostats



Order #	Mfg. #	Description	For Use With
L40-149	P322016	Dual Milivolt and 24V Thermostat	All Williams Monterey, Monterey Plus, Forsaire, Floor Furnace, Direct-Vent Gravity and Vented Gas Console Heaters
L51-069	8967	Milivolt Wall Thermostat Kit (includes wire and nut)	All Williams Monterey, Monterey Plus, Forsaire, Floor Furnace, Direct-Vent Gravity and Vented Gas Console Heaters

WILLIAMS

Replacement Burner Orifices



Order #	Mfg. #	Description	For Use With
L40-167	P090534	Orifice size #32	4007332, 4007732
L40-168	P090539	Orifice size #39	6257732, 6008532
L40-169	P090542	Orifice size #42	3003612, 3003622, 5508332
L40-170	P090543	Orifice size #43	2509622, 2509612, 5008732
L40-171	P090544	Orifice size #44	5009612, 5009622
L40-172	P090545	Orifice size #45	2203612, 2203622
L40-173	P090552	Orifice size #52	3508331, 3508731, 6508731, 3509621, 3509611
L40-174	P090553	Orifice size #53	3003611, 3003621, 6008531, 6257731
L40-175	P090554	Orifice size #54	2509611, 2509621, 5009611, 5009621, 5008731, 5507331
L40-176	P090555	Orifice size #55	2203621, 2203611
L40-177	P090556	Orifice size #56	2001621, 2001611
L40-178	P090558	Orifice size #58	1403611, 1403621

WILLIAMS

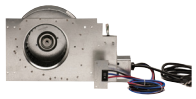
Blower Motor Assemblies



A



B



C

Fig.	Order #	Mfg. #	Description	For Use With
A	**L86-202**	2901	Blower Motor Assembly	5009622A, 3509622A, 2509622A
B	**L86-203**	2302	Blower Motor Assembly	2203622, 3003622
C	**L82-259**	2102	Blower Accessory, 120V	All room heaters except 2001622A

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Installation Accessories

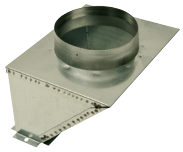
WILLIAMS


A


B


C


D


E


F

Fig.	Order #	Mfg. #	Model #	Description	Shipping Wt. Lbs.	Wt. Lbs.
A	**L86-520**	6901	6901	Rear Outlet Register for L96-180, L96-179	3.85	3.85
B	**L96-632**	4915	4915	Face Panel for L96-180, L96-179	28	28
C	**L96-631**	4901	4901	Free Standing Accessory, 102" Maximum for L96-180, L96-179	5	5

Fig.	Order #	Mfg. #	Model #	Description	Shipping Wt. Lbs.	Wt. Lbs.
D	**L86-682**	9929	9929	Oval Vent Starter Kit for Forsaire and Monterey Wall Furnaces	9.25	9.25
E	**L86-683**	9902	9902	Vent Adapter without Blower for Freestanding Applications	2.55	2.55
F	**L80-075**	9824	9824	Vent Enclosure 24" Kit	8.1	8.1

Direct Vent Wall Furnaces

Rinnai

- Programmable, ductless, for supplemental or specific zone heating
- WiFi wall thermostat connection ready
- High altitude approved



Order #	Mfg. #	Gas Type	Min. BtuH Input	Max. BtuH Input	Width	Height	Depth	Wt. Lbs.
Beige - Natural Gas								
L60-749	EX08DTN	NG	3,000	8,000	18-3/32"	27-13/32"	10-3/32"	42
L60-751	EX11DTN	NG	5,500	11,000	18-3/32"	27-13/32"	10-3/32"	42
L60-753	EX17DTN	NG	8,200	16,700	29-29/32"	22-29/32"	10-3/32"	51
L60-755	EX22DTN	NG	8,200	21,500	29-29/32"	22-29/32"	10-3/32"	51
L60-759	EX38DTN	NG	13,200	38,400	36-5/8"	26-13/32"	12-19/32"	86
Beige - Propane								
L60-750	EX08DTP	LP	3,000	8,000	18-3/32"	27-13/32"	10-3/32"	42
L60-752	EX11DTP	LP	5,700	11,000	18-3/32"	27-13/32"	10-3/32"	42
L60-754	EX17DTP	LP	8,200	16,700	29-29/32"	22-29/32"	10-3/32"	51
L60-756	EX22DTP	LP	8,200	20,700	29-29/32"	22-29/32"	10-3/32"	51
L60-760	EX38DTP	LP	13,200	36,500	36-5/8"	26-13/32"	12-19/32"	86
White - Natural Gas								
L60-757	EX22DTWN	NG	8,200	21,500	29-29/32"	22-29/32"	10-3/32"	51
L60-761	EX38DTWN	NG	13,200	38,400	36-5/8"	26-13/32"	12-19/32"	86
White - Propane								
L60-758	EX22DTWP	LP	8,200	20,700	29-29/32"	22-29/32"	10-3/32"	51
L60-762	EX38DTWP	LP	13,200	36,500	36-5/8"	26-13/32"	12-19/32"	86

Rinnai Heater Replacement Parts

Rinnai


A


B

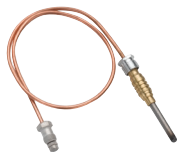

C


D

Fig.	Order #	Mfg. #	Description	For Use With
Convection Fan Motor and Accessories				
A	**S80-375**	ES-02051	Convection Fan Motor	RHFE-1004FA
Flame Rods				
B	**L41-847**	1001F-104-2X02	Flame Rod	RHFE-1004FA
B	**L41-849**	1001F-104-4	Flame Rod	RHFE-431/556

Fig.	Order #	Mfg. #	Description	For Use With
Ignitor				
C	**L41-862**	EI-161	Sparker	RHFE-1004FA
Overheat Switch				
D	**L41-874**	ES-01131	Overheat Switch	RHFE-1004FA
D	**L41-875**	ES-01170	Overheat Switch	RHFE-431/556

Thermocouples


A


B

Fig.	Order #	Mfg. #	Description	For Use With
A	**L44-912**	78095	Thermocouple Q309A1954	DVCF403B/C, DVCF404B/C, DVCF553C, DVCF554C, DVCF653B, DVCF654B, CF353C, CF354C, CF403D, CF404D, CF503C, CF504C, CF553D, CF554D, CF653C & CF654C
B	**L44-905**	P043801	Thermocouple Q313A1014	For all Cozy Challenger floor furnaces, CDV models B/C, W Series Gravity F/G, and VC +VCR models A/B-H/D

Gaskets


A


B


C

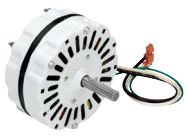

D


E


F

Fig.	Order #	Mfg. #	Description	For Use With
A	**L44-869**	72065	Burner Access Gasket	DVCF403B/C, DVCF404B/C, DVCF407B/C, DVCF408B/C, DVCF553C, DVCF554C, DVCF557B/C, DVCF558B/C, DVCF653B & DVCF654B
B	**L44-871**	78052	Element Support Gasket	CF353C, CF354C, CF357C, CF358C, CF403D, CF404D, CF407D, CF408D, CF503C, CF504C, CF553D, CF554D, CF557C/D, CF558C/D, CF653C & CF654C
C	**L44-881**	70060	Heat Exchanger Door Gasket	CDV155B/C, CDV156B/C, CDV255B/C, CDV256B/C, CDV335B/C & CDV336B/C
D	**L44-906**	70012	Pilot Tubing with fittings	CDV-B/C, VC-B/C, VC/VCR-R/H/D
E	**L44-908**	70064	Sight Glass/Pilot Gasket	CDV155B/C, CDV156B/C, CDV255B/C, CDV256B/C, CDV335B/C, CDV336B/C
F	**L44-909**	72067	Sight Glass Gasket	DVCF403B/C, DVCF404B/C, DVCF407B/C, DVCF408B/C, DVCF553C, DVCF554C, DVCF557B/C, DVCF558B/C, DVCF653B, DVCF654B, BBT53, BBT54, BBT103 & BBT104

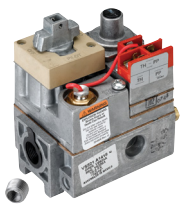
Fan Motors


A


B

Fig.	Order #	Mfg. #	Description	For Use With
A	**L44-872**	72108	Fan Motor (1 Speed)	DVCF403B/C, DVCF404B/C, DVCF407B/C, DVCF408B/C, CF353C, CF354C, CF357C & CF358C
B	**L44-873**	78111	Fan Motor (2 Speed)	CF403D, CF404D, CF407D, CF408D, CF503C, CF504C, CF553D, CF554D, CF557C/D, CF558C/D, CF653C & CF654C

Gas Valves


A


B

Fig.	Order #	Mfg. #	Description	For Use With
A	**L44-878**	74315-K	Gas Valve, Natural VS821A1061	90N30A, 90N50A, 90N65A, 90N75A, VC201A-H, VC351A-H, VC501A-H, VC701A-BM-H, VCR351A-H, VCR501A-H, & VCR701A-BM-H
B	**L44-876**	78091-K	Gas Valve, L.P. VR8200H-1103	DVCF404B/C-H, DVCF554C-H, DVCF654B-H, CF354C-H, CF404D-H, CF504C-H, CF554D-H & CF654C-H
B	**L44-880**	78092-K	Gas Valve, Natural VR8204H-1006	DVCF407B/C-H, DVCF557B/C-H, CF357C-H, CF407D-H & CF557C/D-H

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Ignition Controls



Order #	Mfg. #	Description	For Use With
L44-884	78097	Ignition Control Box, S8600B	CF357C-H, CF407D-H, CF557C/D-H, DVCF407B/C-H & DVCF-557B/C-H

Gas Pilots

Note: *__L44-898__ and __L44-901__ electrode sold separately, part # 70052

*__L44-903__ electrode sold separately, part # 74350


A


B


C


D


E


F

Fig.	Order #	Mfg. #	Description	For Use With
A	**L44-885**	78098	Pilot Electric with Flame Ignition, Natural Gas	DVCF407B/C, DVCF557B/C, CF357C, CF407D & CF557C/D
B	**L44-896**	72097	Pilot Assembly, Electric, L.P. Gas 3S-24	CF358C-R, CF558C-R, DVCF408B-R & DVCF558B-R
B	**L44-897**	72098	Pilot Assembly, Electric, Natural Gas 3S-24	CF357C-R, CF557C-R, DVCF407B-R & DVCF557B-R
C	**L44-898**	70008	Pilot Assembly, L.P. Gas Q350A1537	CDV156B/C, CDV256B/C & CDV336B/C
C	**L44-901**	70007	Pilot Assembly, Natural Gas Q350A1529	CDV155B/C, CDV255B/C & CDV335B/C
D	**L44-899**	72021	Pilot Assembly, L.P. Gas	DVCF404B/C, DVCF554C, DVCF654B, CF354C, CF404D, CF504C, CF554D & CF654C
D	**L44-902**	72020	Pilot Assembly, Natural Gas	DVCF403B/C, DVCF553C, DVCF653B, CF353C, CF403D, CF503C, CF553D & CF653C
E	**L44-903**	74410	Pilot Assembly, Natural Q350A1271	90N30, 90N50, 90N65, 90N75
F	**L49-434**	84129	Gas Pilot	90N30, 90N50, 90N65, 90N75
F	**L49-435**	74618	Pilot Electric with Flame Ignition, LP	DVCF407B/C, DVCF557B/C, CF357C, CF407D & CF557C/D

Manual Spark Igniter



Order #	Mfg. #	Description	For Use With
L44-895	80016	Piezo Igniter	For all Cozy Challenger Floor Furnaces, BFT, VFM/VFT, CF, DVCF, CDV, and VC/VCR models

MODEL to PART

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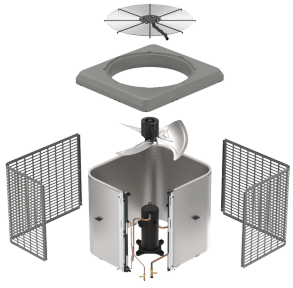

Switches


A


B


C


D


E

Fig.	Order #	Mfg. #	Description	For Use With
A	**L44-874**	78067	Fan Switch 60T12-F120	DVCF403B/C, DVCF404B/C, DVCF553C, DVCF554C, DVCF653B, DVCF654B, DVCF407B/C, DVCF408B/C, DVCF557B/C, DVCF558B/C, CF353C, CF354C, CF403D, CF404D, CF503C, CF504C, CF553D, CF554D, CF653C, CF654C, CF357C, CF358C, CF407D, CF408D, CF557C/D & CF558C/D
A	**L44-887**	78065	Limit Switch 60T11-L180	DVCF403B/C, DVCF404B/C, DVCF407B/C, DVCF408B/C, CF353C, CF354C, CF403D, CF404D, CF503C, CF504C, CF553D, CF554D, CF653C, CF654C, CF357C, CF358C, CF407D, CF408D, CF557C/D & CF-558C/D
A	**L44-886**	72160	Limit Switch	DVCF553C, DVCF554C, DVCF557B/C, DVCF558B/C, DVCF653B, & DVCF654B
B	**L44-888**	78066	Speed Switch 60T13-F160-30	DVCF553C, DVCF554C, DVCF653B, DVCF654B, DVCF557B, DVCF558B, CF503C, CF504C, CF553D, CF554D, CF653C, CF654C, CF557C/D, & CF558C/D
C	**L44-868**	78086	Auxiliary Limit Switch (Reset) 60T15-L350	All CF and DVCF Models
D	**L44-889**	74306	Limit Switch 60T11-L140 (2 Required)	90N30A & 90P30A
D	**L44-892**	74308	Limit Switch 60T11-L180 (2 Required)	90N65A & 90P65A
E	**L44-890**	74307	Limit Switch 60T11-L160 (2 Required)	90N50A & 90P50A
E	**L44-891**	74309	Limit Switch 60T11-L170 (2 Required)	90N75A & 90P75A

Motor Mounting Brackets


A


B

Fig.	Order #	Mfg. #	Description	For Use With
A	**L44-893**	30079	Motor Mounting Bracket (2 Required)	CF353C, CF354C, CF403D, CF404D, CF503C, CF504C, CF553D, CF554D, CF653C, CF654C, CF357C, CF358C, CF407D, CF408D, CF557C/D & CF558C/D
B	**L44-894**	34088	Motor Mounting Bracket (2 Required)	DVCF403B/C, DVCF404B/C, DVCF407B/C, DVCF-408B/C

Rubber Grommet



Order #	Mfg. #	Description	For Use With
L44-907	78010	Rubber Grommet (4 Required)	DVCF403B/C, DVCF404B/C, DVCF553C, DVCF554C, DVCF653B, DVCF654B, DVCF407B, DVCF408B/C, DVCF-557B/C, DVCF558B/C, CF353C, CF354C, CF403D, CF404D, CF503C, CF504C, CF553D, CF554D, CF653C, CF654C, CF357C, CF358C, CF407D, CF408D, CF557C/D & CF558C/D

Transformer



Order #	Mfg. #	Description	For Use With
L44-916	78069	Transformer (593-6)	DVCF403B/C, DVCF404B/C, DVCF553C, DVCF554C, DVCF653B, DVCF654B, DVCF407B/C, DVCF408B/C, DVCF557B/C, DVCF558B/C, CF353C, CF354C, CF403D, CF404D, CF503C, CF504C, CF553D, CF554D, CF653C, CF654C, CF357C, CF358C, CF407D, CF408D, CF557C/D, CF558C/D, HEDV403, HEDV253A, HEDV254A, HEDV403A, HEDV404A, WOW253, WOW254, WOW403 & WOW404

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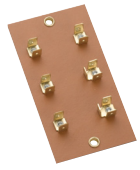
Controls

Fig.	Order #	Mfg. #	Description	For Use With
A	**L49-436**	1017249	Speed Control	CHB3 Blower
B	**L44-911**	78300	Terminal Board	DVCF403B/C, DVCF404B/C, DVCF553C, DVCF554C, DVCF653B, DVCF654B, DVCF407B/C, DVCF408B/C, DVCF557B/C, DVCF558B/C, CF353C, CF354C, CF403D, CF404D, CF503C, CF504C, CF553D, CF554D, CF653C, CF654C, CF357C, CF358C, CF407D, CF408D, CF557C/D & CF558C/D



A



B

Thermostat

Fig.	Order #	Mfg. #	Description	For Use With
A	**L44-914**	74592	Thermostat — Millivolt	For all Cozy Challenger floor furnaces, CDV models B/C, Gravity wall series
B	**L44-915**	49925	Thermostat Wire	For all Cozy Gravity Wall Furnaces, Challenger Floor Furnace, CDV, DVCF, CF, HEDV, WOW, and BBT

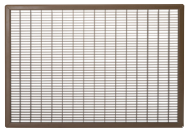


A

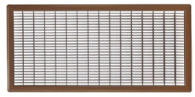


B

Installation Accessories



A



B

Fig.	Order #	Mfg. #	Model #	Description	Application	For Use With	Shipping Wt. Lbs.	Shipping Dimensions	Wt. Lbs.
A	**L99-463**	23145-10	23145-10	Grill for 30,000 BTU (14x32)	Cozy Furnaces	86B30, 88N30, 88P30, 90N30A & 90P30A	15.75	1" x 34" x 53-35/64"	15.75
A	**L99-464**	24175-10	24175-10	Grill for 50,000 BTU (22x32)	Cozy Furnaces	86B50, 88N50, 88P50, 90N50A & 90P50A	26	3" x 38" x 26"	26
A	**L99-465**	24475-10	24475-10	Grill for 62,000 BTU (24x38)	Cozy Furnaces	86B65, 88N65, 88P65, 90N65A & 90P65A	27	3" x 42" x 28"	27
B	**L99-462**	40025-K	40025-K	Front Panel Assembly	Cozy Furnaces	For all Cozy Gravity Wall Furnaces (25M, 35M and 50M BTU)	22	7" x 17" x 67"	22

Heat Exchangers

Fig.	Order #	Mfg. #	Description	For Use With
A	**L80-389**	42565	Heat Exchanger (15M BTU)	CDV155B/C & CDV156B/C
A	**L99-460**	40267	Combustion Chamber (35M BTU)	All W-Series
B	**L99-470**	42770	Heat Exchanger Kit (25/33M BTU)	CDV255B/C, CDV256B/C, CDV335B/C & CDV336B/C



A



B

Comfort-Aire



Hydronic Air Handlers

Up to 14 SEER, 1-1/2 To 5 Tons, R410A

- T0A models have a PSC motor
- X0A models have an ECM motor
- Bottom return air option
- Horizontal or vertical installation, field convertible to downflow
- Hydronic built-in coil with freeze protection
- Factory installed air filter
- Low voltage terminal strip
- Slide-out blower for easy maintenance
- Cooling post-purge
- Multi-speed blower

Order #	Mfg. #	Nom.Tons	BtuH Output @ 180°F	Heat Exchanger Option	Return Air Option	CFM	Min. Amps	Max. Fuse Size	Suction Conn.	Liquid Conn.	Width	Height	Depth	Wt. Lbs.
Standard Models														
L92-969	HWCG24T0A	1.5-2	48,400	3-row coil	Bottom	620	4.1	15A	3/4"	3/8"	21"	49-1/4"	20-1/2"	100
L92-970	HWCG36T0A	2.5-3.0	67,300	3-row coil	Bottom	1,070	7.4	15A	3/4"	3/8"	21"	49-1/4"	20-1/2"	147
L92-971	HWCG48T0A	3.5-4.0	98,000	4-row coil	Bottom	1,480	12.5	25A	7/8"	3/8"	24-1/2"	57"	20-1/2"	180
L92-972	HWCG60T0A	5	102,200	4-row coil	Bottom	1,480	12.5	25A	7/8"	3/8"	24-1/2"	57"	20-1/2"	200
L92-973	HWCG24X0A	1.5-2	59,300	3-row coil	Bottom	673	6.6	15A	3/4"	3/8"	21"	49-1/4"	20-1/2"	100
L92-974	HWCG30X0A	2.5	65,500	3-row coil	Bottom	910	9.1	20A	3/4"	3/8"	21"	49-1/4"	20-1/2"	118
L92-975	HWCG42X0A	3.0-3.5	86,300	3-row coil	Bottom	1,652	14.3	30A	7/8"	3/8"	24-1/2"	57"	20-1/2"	153
L92-976	HWCG48X0A	4	101,300	4-row coil	Bottom	1,652	14.3	30A	7/8"	3/8"	24-1/2"	57"	20-1/2"	180
L92-977	HWCG60X0A	5	106,400	4-row coil	Bottom	1,652	14.3	30A	7/8"	3/8"	24-1/2"	57"	20-1/2"	200
Compact Models														
L60-167	HWCG23T0A	1.5-2	56,300	3-row coil	Bottom	865	4.1	15A	3/4"	3/8"	21"	40"	20-1/2"	100
L60-168	HWCG35T0A	2.5-3	84,820	4-row coil	Bottom	1,235	7.4	15A	3/4"	3/8"	21"	42"	23"	170
L60-169	HWCG47T0A	3.5-4	98,640	4-row coil	Bottom	1,670	12.5	25A	7/8"	3/8"	21"	48"	28"	200
L60-170	HWCG23X0A	1.5-2	56,300	3-row coil	Bottom	895	6.6	15A	3/4"	3/8"	21"	40"	20-1/2"	100
L60-171	HWCG35X0A	2.5-3	84,820	4-row coil	Bottom	1,245	9.1	20A	3/4"	3/8"	21"	42"	23"	170
L60-172	HWCG47X0A	3.5-4	98,640	4-row coil	Bottom	1,950	14.3	25A	7/8"	3/8"	21"	48"	28"	200

MOTOR FINDER

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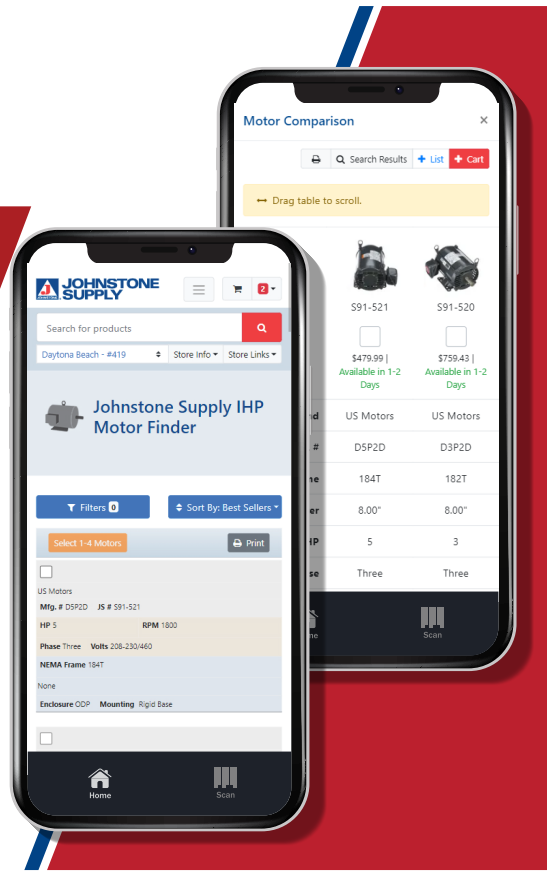

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Direct Drive Oil Furnaces

Highboy and Lowboy Front or Rear Flue Models with Beckett Oil Burner

- Up to 84% AFUE
- Beckett AFG burner with flame retention head, PSC motor and solid state ignition
- Multiple firing rates achieve the right furnace to heating requirements with a simple nozzle change
- High temperature ceramic combustion chamber
- Multi-speed direct drive blower assembly
- Honeywell primary with integral fan center and Honeywell fan/limit
- Heavy-duty 14 gauge steel heat exchanger
- Foil-faced high density fiberglass insulation
- Easy access clean-out ports for heat exchanger servicing
- 40VA transformer
- 120V


A


B


C

Fig.	Order #	Mfg. #	Nom. Tons	SCFM @ 0.5" SP	Flue Diam.	Width	Height	Depth	Wt. Lbs.
Highboy Front Flue Models									
A	**L94-095**	OUFB75-D3-4A	2-3	830-1,220	6"	19-1/2"	54"	30-5/8"	230
A	**L92-098**	OUFB95-D4-4A	2.5-4	925-1,590	6"	19-1/2"	54"	30-5/8"	250
A	**L94-096**	OUFB125-D5-3A	3-5	1,335-1,835	6"	22-1/2"	54"	33-1/8"	275
A	**L60-175**	OUFB87-E4-1A	2.5-4	650-1,400	6"	19-1/2"	54"	30-5/8"	250
A	**L60-176**	OUFB118-E5-1A	3-5	1,200-2,000	6"	22-1/2"	54"	33-1/8"	250
Downflow/Horizontal Models									
B	**L94-088**	ODFB95-D3-4A	2-3	900-1,195	6"	59"	20-1/2"	20-1/2"	250
B	**L94-090**	ODRB95-D3-4A	2-3	910-1,210	6"	59"	20-1/2"	20-1/2"	250
B	**L60-173**	OHFB95-E3-1A	1.5-3	600-1,200	6"	59"	20-1/2"	20-1/2"	225
B	**L60-174**	OHRB95-E3-1A	1.5-3	600-1,200	6"	59"	20-1/2"	20-1/2"	225
Lowboy Front Flue Models									
C	**L94-091**	OLFB95-D4-4A	2.5-4	1,105-1,550	6"	22-1/2"	37"	52"	225
C	**L94-092**	OLFB125-D5-3A	5	1,440-2,130	6"	22-1/2"	37"	52"	225
C	**L60-177**	OLFB87-E4-1A	2.5-4	800-1,400	6"	19-1/2"	37"	52"	225
C	**L60-179**	OLFB118-E5-1A	3-5	650-1,400	6"	22-1/2"	37"	52"	270
Lowboy Rear Flue Models									
C	**L94-093**	OLRB95-D4-4A	2.5-4	1,105-1,550	6"	22-1/2"	37"	52"	230
C	**L94-094**	OLRB125-D5-3A	3	1,440-2,130	6"	22-1/2"	37"	52"	230
C	**L60-178**	OLRB87-E4-1A	2.5-4	650-1,400	6"	19-1/2"	37"	52"	225
C	**L60-180**	OLRB118-E5-1A	3-5	950-2,000	6"	22-1/2"	37"	52"	270

Capacity Variations

Order #	Mfg. #	Nozzle Size	Use Nozzle	BtuH Input	BtuH Output
Highboy Front Flue Models					
L94-095	OUFB75-D3-4A	0.50GPH-80°B	L37-105	67,500	57,000
		0.65GPH-80°B	L37-156	85,500	72,000
L92-098	OUFB95-D4-4A	0.65GPH-80°B	L37-156	101,000	85,000
		0.75GPH-80°B	L37-064	113,500	95,000
L94-096	OUFB125-D5-3A	0.85GPH-80°B	L37-065	135,000	113,000
		1.00GPH-80°B	L37-066	151,000	126,000
L60-175	OUFB87-E4-1A	0.50GPH-80°B	L37-105	79,000	67,000
		0.65GPH-80°B	L37-156	105,000	87,000
L60-176	OUFB118-E5-1A	0.75GPH-80°B	L37-064	124,000	104,000
		0.85GPH-80°B	L37-065	141,000	118,000
Downflow/Horizontal Models					
L94-088	ODFB95-D3-3A	0.65GPH-80°B	L37-156	101,000	85,000
		0.75GPH-80°B	L37-064	113,500	95,000
L94-090	ODRB95-D3-3A	0.65GPH-80°B	L37-156	101,000	85,000
		0.75GPH-80°B	L37-064	113,500	95,000
L60-173	OHFB95-E3-1A	0.65GPH-80°B	L37-156	105,000	85,000
		0.75GPH-80°B	L37-064	119,000	97,000
L60-174	OHRB95-E3-1A	0.65GPH-80°B	L37-156	105,000	85,000
		0.75GPH-80°B	L37-064	119,000	97,000

Order #	Mfg. #	Nozzle Size	Use Nozzle	BtuH Input	BtuH Output
Lowboy Front Flue Models					
L94-091	OLFB95-D4-3A	0.65GPH-80°B	L37-156	101,000	85,000
		0.75GPH-80°B	L37-064	113,500	95,000
L94-092	OLFB125-D5-2A	0.85GPH-80°B	L37-156	134,000	113,000
		1.00GPH-80°B	L37-064	151,000	127,000
L60-177	OLFB87-E4-1A	0.50GPH-80°B	L37-105	79,000	67,000
		0.65GPH-80°B	L37-156	105,000	87,000
L60-179	OLFB118-E5-1A	0.75GPH-80°B	L37-064	124,000	104,000
		0.85GPH-80°B	L37-065	141,000	118,000
Lowboy Rear Flue Models					
L94-093	OLRB95-D4-4A	0.65GPH-80°B	L37-156	101,000	85,000
		0.75GPH-80°B	L37-064	113,500	95,000
L94-094	OLRB125-D5-3A	0.85GPH-80°B	L37-065	135,000	113,000
		1.00GPH-80°B	L37-066	151,000	126,000
L60-178	OLRB87-E4-1A	0.50GPH-80°B	L37-105	79,000	67,000
		0.65GPH-80°B	L37-156	105,000	87,000
L60-180	OLRB118-E5-1A	0.75GPH-80°B	L37-064	124,000	104,000
		0.85GPH-80°B	L37-065	141,000	118,000

HB Compact Series Water Source Heat Pumps

Commercial 1 to 5 Tons, Single-Phase and Three-Phase, R410A

- Ideal for tight spaces or retrofit applications
- Extended range option
- Heavy duty scroll compressors
- Quiet operation
- Performance monitoring system signals a potential problem
- Copper water coil w/non-coated air coil



A



B

Fig.	Order #	Mfg. #	Description	Volts	Nom. Tons	Water Loop Heat Pump Cooling BtuH 86°F EWT	Water Loop Heat Pump EER	Water Loop Heat Pump Heating BtuH 68°F EWT	Water Loop Heat Pump COP
Vertical, Left Connection, Single Phase									
A	**B64-969**	HBV012A1C30CPT	1 Ton Vertical WSHP Right Connection	208/230	1	11,100	12.5	14,700	4.3
A	**B64-971**	HBV018A1C30CPT	1-1/2 Ton Vertical WSHP Left Connection	208/230	1.5	18,700	14	21,800	5
A	**B64-972**	HBV024A1C30CPT	2 Ton Vertical WSHP Left Connection	208/230	2	23,600	13	27,500	4.6
A	**B64-973**	HBV030A1C30CPT	2.5 Ton Vertical WSHP Left Connection	208/230	2.5	28,600	13	37,000	4.7
A	**B64-974**	HBV036A1C30CPT	3 Ton Vertical WSHP Left Connection	208/230	3	34,500	13.2	45,200	4.4
A	**B64-975**	HBV042A1C30CPT	3.5 Ton Vertical WSHP Left Connection	208/230	3.5	41,000	13.2	52,700	4.3
A	**B75-867**	HBV060A1C30CLT	5 Ton Vertical LH Single-Phase 208/230V R410A	208/230	5	59,500	13	72,000	4.3
A	**B64-977**	HBV060A1C30CPT	5 Ton Vertical WSHP Left Connection	208/230	5	59,500	13	72,000	4.3
Vertical, Left Connection, Three Phase									
A	**B64-980**	HBV060A3C30CPT	5 Ton Vertical WSHP Left Connection	208/230	5	59,500	13	72,000	4.3
A	**B64-983**	HBV060A4C30CPT	5 Ton Vertical WSHP Left Connection	460	5	59,500	13	72,000	4.3
Vertical, Right Connection, Single Phase									
A	**B64-951**	HBV012A1C30CCT	1 Ton Vertical WSHP Right Connection	208/230	1	11,100	12.5	14,700	4.3
A	**B64-953**	HBV018A1C30CCT	1.5 Ton Vertical WSHP Right Connection	208/230	1.5	18,700	14	21,800	5
A	**B64-954**	HBV024A1C30CCT	2 Ton Vertical WSHP Right Connection	208/230	2	23,600	13	27,500	4.6
A	**B64-955**	HBV030A1C30CCT	2.5 Ton Vertical WSHP Right Connection	208/230	2.5	28,600	13	37,000	4.7
A	**B64-957**	HBV042A1C30CCT	3.5 Ton Vertical WSHP Right Connection	208/230	3.5	41,000	13.2	52,700	4.3
A	**B64-959**	HBV060A1C30CCT	5 Ton Vertical WSHP Right Connection	208/230	5	59,500	13	72,000	4.3
A	**B75-868**	HBV060A1C30CRT	5 Ton Vertical RH Single-Phase 208/230V R410A	208/230	5	59,500	13	72,000	4.3
Vertical, Right Connection, Three Phase									
A	**B64-961**	HBV060A3C30CCT	5 Ton Vertical WSHP Right Connection	208/230	5	59,500	13	72,000	4.3
A	**B64-964**	HBV042A4C30CCT	3.5 Ton Vertical WSHP Right Connection	460	3.5	41,000	13.2	52,700	4.3
A	**B64-966**	HBV060A4C30CCT	5 Ton Vertical WSHP Right Connection	460	5	59,500	13	72,000	4.3
Horizontal, Left Connection, Single Phase									
B	**B65-896**	HBH012A1C30CPS	1 Ton Horizontal WSHP Left Connection	208/230	1	11,100	12.5	14,700	4.3
Horizontal, Left Connection, Three Phase									
B	**B65-355**	HBH036A4C30CPS	3 Ton Horizontal WSHP Left Connection	460	3	34,500	13.2	45,200	4.4
Horizontal, Right Connection, Single Phase									
B	**B65-898**	HBH009A1C30CCS	3/4 Ton Horizontal WSHP Right Connection	208/230	0.75	8,600	13.4	11,600	4.3
B	**B65-897**	HBH012A1C30CCS	1 Ton Horizontal WSHP Right Connection	208/230	1	11,100	12.5	14,700	4.3
B	**B65-894**	HBH018A1C30CCS	1-3/4 Ton Horizontal WSHP Right Connection	208/230	1.75	18,700	14	21,800	5
B	**B65-892**	HBH024A1C30CCS	2 Ton Horizontal WSHP Right Connection	208/230	2	23,600	13	27,500	4.6
B	**B65-891**	HBH030A1C30CCS	2-1/2 Ton Horizontal WSHP Right Connection	208/230	2.5	28,600	13	37,000	4.7
B	**B65-890**	HBH036A1C30CCS	3 Ton Horizontal WSHP Right Connection	208/230	3	34,500	13.2	45,200	4.4
B	**B65-354**	HBH024A8C30CCS	2 Ton Horizontal WSHP Right Connection	265	2	23,600	13	27,500	4.6
B	**B65-594**	HBH036A8C30CCS	3 Ton Horizontal WSHP Right Connection	265	3	34,500	13.2	45,200	4.4
Horizontal, Right Connection, Three Phase									
B	**B65-356**	HBH036A4C30CCS	3 Ton Horizontal WSHP Right Connection	460	3	34,500	13.2	45,200	4.4
B	**B65-357**	HBH042A4C30CCS	3-1/2 Ton Horizontal WSHP Right Connection	460	3.5	41,000	13.2	52,700	4.3
B	**B65-888**	HBH060A4C30CCS	5 Ton Horizontal WSHP Right Connection	460	5	59,500	13	72,000	4.3

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GeoLogix® HEH Series Geothermal Heat Pumps

2 to 5 Tons, Residential, Single-Phase, R410A, Horizontal

- Capable of geothermal, ground loop, ground water and boiler/cooling tower applications
- Extended range refrigerant circuit
- Two-stage scroll compressor
- System performance monitoring
- ECM blower motor
- Double isolation compressor mounting and air handler compartment insulation for quiet operation
- Easy service access
- Integrated digital controller



Order #	Mfg. #	Description	Volts	Nom. Tons	Water Loop Heat Pump Cooling BtuH 86°F EWT	Water Loop Heat Pump EER	Water Loop Heat Pump Heating BtuH 68°F EWT	Water Loop Heat Pump COP
Left Connection, Single Phase								
B65-319	HEH024D1D00ASP	2 Ton Single-Phase Horizontal 208/230V R410A	208/230	2	18,100/23,700	16.1/14.3	20,600/28,000	5.2/4.6
B65-298	HEH036D1D00JSP	3 Ton Single-Phase Horizontal 208/230V R410A	208/230	3	25,800/34,300	17.2/15.1	29/900/42/000	5.3/4.6
Right Connection, Single Phase								
B65-299	HEH048D1D00MTP	4 Ton Single-Phase Horizontal 208/230V R410A	208/230	4	34,100/45,900	15.2/14.0	39,500/53,800	5.5/4.9

Hose Kits and Individual Hoses



Fig.	Order #	Mfg. #	Description
A	**R87-896**	7602-135015	Hose Kit W/Flow Control & Shut Off Valves 1/2" SS 1.5GPM
B	**R87-897**	7602-135020	Hose Kit W/Flow Control & Shut Off Valves 1/2" SS 2GPM
A	**R87-898**	7602-135030	Hose Kit W/Flow Control & Shut Off Valves 1/2" SS 3GPM
C	**R87-899**	7602-135050	Hose Kit W/Flow Control & Shut Off Valves 1/2" SS 5GPM
B	**R87-900**	7602-131060	Hose Kit W/Flow Control & Shut Off Valves 3/4" SS 6GPM
D	**R87-901**	7602-131080	Hose Kit W/Flow Control & Shut Off Valves 3/4" SS 8GPM
A	**R87-902**	7602-131090	Hose Kit W/Flow Control & Shut Off Valves 3/4" SS 9GPM
A	**R87-903**	7602-131100	Hose Kit W/Flow Control & Shut Off Valves 3/4" SS 10GPM
A	**R87-904**	7602-132120	Hose Kit W/Flow Control & Shut Off Valves 1" SS 12GPM
A	**R87-905**	7602-132150	Hose Kit W/Flow Control & Shut Off Valves 1" SS 15GPM
A	**R87-906**	7602-132180	Hose Kit W/Flow Control & Shut Off Valves 1" SS 18GPM
E	**R87-907**	7602-133180	Hose Kit W/Flow Control & Shut Off Valves 1-1/4" SS 18GPM
E	**R87-908**	7602-133200	Hose Kit W/Flow Control & Shut Off Valves 1-1/4" SS 20GPM
A	**R87-909**	7602-133300	Hose Kit W/Flow Control & Shut Off Valves 1-1/4" SS 30GPM
E	**R87-910**	7602-134200	Hose Kit W/Flow Control & Shut Off Valves 1-1/2" SS 20GPM
A	**R87-911**	7602-134300	Hose Kit W/Flow Control & Shut Off Valves 1-1/2" SS 30GPM
A	**R87-912**	7602-134400	Hose Kit W/Flow Control & Shut Off Valves 1-1/2" SS 40GPM
A	**R87-913**	7602-134500	Hose Kit W/Flow Control & Shut Off Valves 1-1/2" SS 50GPM
A	**R87-914**	7602-134600	Hose Kit W/Flow Control & Shut Off Valves 1-1/2" SS 60GPM
A	**R87-915**	7602-100	Hose, Braided 36" 1"MPT
A	**R87-916**	7602-101	Hose, Braided 36" 3/4"MPT
A	**R87-917**	7602-102	Hose Kit 3/4" W/Fitting 12' Hose Neoprene
A	**R87-918**	7602-103	Hose Kit 1" W/Fitting 12' Hose Neoprene
F	**R87-919**	7602-130	Hose Kit With Balance & Shut Off Valves 1/2" SS
F	**R87-920**	7602-131	Hose Kit With Balance & Shut Off Valves 3/4" SS
F	**R87-921**	7602-132	Hose Kit With Balance & Shut Off Valves 1" SS
F	**R87-922**	7602-133	Hose Kit With Balance & Shut Off Valves 1-1/4" SS
F	**R87-923**	7602-134	Hose Kit With Balance & Shut Off Valves 1-1/2" SS

Room Air Conditioners

R-32 Refrigerant



- Cooling capacity from 5,000 to 28,000 BtuH
- Easy access, cleanable filters
- Window mounting kit for windows up to 38" wide available
- Rust-free cabinets with white decorator grilles provide appealing contemporary appearance
- Electronic digital touchpad controls
- Insulated cabinets provide quiet operation
- Includes LCDI

Order #	Mfg. #	Type	Volts	BtuH Cooling	EER	Sq. Ft. Cooling	Air Delivery CFM	Dehumidity Pints/Hr.	Fan Speeds	Amps Cooling	Fuse Size T.D.	Max. Wall Thickness	Width	Height	Depth	Wt. Lbs.	Energy Star
Cooling Only																	
B61-435	RG-51Q	Cooling Only	115	5,000	11.1	100-150	136	1.27	2	4	15	2-1/8"	16"	12"	13-1/5"	45	—
B61-436	RADS-51Q	Cooling Only	115	5,000	12.2	100-150	140	1.6	3	3.9	15	3-5/16"	16"	12"	13-1/5"	47	Y
B61-437	RADS-61Q	Cooling Only	115	6,000	12.2	150-250	146	1.7	3	4.5	15	3-5/16"	18-1/2"	13-7/16"	15-3/4"	52	Y
B61-438	RADS-81Q	Cooling Only	115	8,000	12.0	300-350	224	2.11	3	5.9	15	5"	18-1/2"	13-7/16"	17-1/2"	58	Y
B61-439	RADS-101Q	Cooling Only	115	10,000	12.0	400-450	285	2.32	3	7.5	15	7-5/16"	19"	14-3/5"	21-1/2"	71	Y
B61-441	RADS-151Q	Cooling Only	115	15,100	12.0	600-700	353	3.17	3	11.5	15	8"	23-3/5"	17-9/10"	25-2/5"	118	Y
B64-306	RADS-253Q	Cooling Only	208/230	24,700	10.3	1,400-1,500	523	5.71	3	11.8	15	8"	26-1/2"	18-2/3"	26-1/2"	151	Y
B64-307	RAD-283Q	Cooling Only	208/230	28,000	9.0	1,500-2,000	523	6.34	3	15	15	8"	26-1/2"	18-2/3"	26-1/2"	156	—
Cooling Only - Smartphone Compatible																	
B64-308	RADS-61R	Cooling Only	115	6,000	12.2	150-250	169	3.7	3	3.7	15	8"	18-1/2"	13-7/16"	15-3/4"	49	Y
B65-531	RADS-81R01	Cooling Only	115	8,000	12.0	300-350	224	2.11	3	5.9	15	5"	18-1/2"	13.4"	15.7"	53	Y
B64-310	RADS-101R	Cooling Only	115	10,000	12.0	400-450	285	2.32	3	7.5	15	7-5/16"	22"	16-7/8"	23-1/8"	71	Y
B65-540	RADS-101R01	Cooling Only	115	10,000	12.0	400-450	285	2.32	3	7.5	15	7-5/16"	21.5"	14.6"	19.0"	65	Y
B65-541	RADS-121R01	Cooling Only	115	12,000	12.0	450-550	288	2.54	3	11.7	15	7-5/16"	19"	14.6"	19.0"	75	Y
B66-238	RADS-151R01	Cooling Only	115	14,500	11.3	550-700	300	3.17	3	11.8	15	8"	21-1/2"	14-3/5"	19"	79	Y

Room Air Conditioners and Heat Pumps

R410A Refrigerant



- Cooling capacity from 5,000 to 25,000 BtuH
- Some models also heat
- Easy access, cleanable filters
- 115V models have a window mounting kit for windows up to 38" wide
- Selected units include mount kits for windows up to 40" wide
- Rust-free cabinets with white decorator grilles provide appealing contemporary appearance
- Electronic digital touchpad controls
- Insulated cabinets provide quiet operation
- 1-year parts and labor warranty on full unit, 5-year parts only warranty on sealed system
- Includes LCDI
- **B64-299** are smartphone compatible

Order #	Mfg. #	Type	Volts	BtuH Cooling	BtuH Heating	EER	Sq. Ft. Cooling	Air Delivery CFM	Dehumidity Pints/Hr.	Fan Speeds	Amps Cooling	Amps Heating	Fuse Size T.D.	Max. Wall Thickness	Width	Height	Depth	Wt. Lbs.
Cooling With Electric Heat Models																		
B73-207	REG-81M	Heat/Cool	115	8,000	3,500	10.9	300-350	277	1.90	3	6.3	11.6	15	6-1/8"	23"	16-1/8"	22-5/8"	82
B73-208	REG-123M	Heat/Cool	208/230	12,000	11,000	10.9	450-550	279	2.54	3	5.2/5.0	16.0/14.5	20	6-1/8"	23"	16-1/9"	23-7/16"	95
B73-209	REG-183M	Heat/Cool	208/230	18,500	16,000	10.7	700-1,000	446	3.80	3	8.3/7.7	22.0/20.0	30	8"	23-5/8"	17-15/16"	25-7/16"	133
B73-210	REG-253M	Heat/Cool	208/230	25,000	16,000	9.4	1,400-1,500	523	5.70	3	12.4/11.3	22.5/20.0	30	10"	26-1/2"	18-5/8"	26-1/2"	156
B64-299	REG-253R	Heat/Cool	208/230	25,000	16,000	9.4	1,400-1,500	523	5.70	3	12.4/11.3	22.5/20.0	30	10"	26-1/2"	18-5/8"	26-1/2"	156
Heat Pump Models																		
B90-491	RAH-123M	Heat Pump	208/230	11,600	10,200	9.9	450-550	265	5.30	3	5.9/5.5	5.6/5.1	20	9"	22-5/8"	15-5/16"	23-5/8"	115
B90-492	RAH-183M	Heat Pump	208/230	17,300	14,300	9.9	700-1,000	541	4.10	3	9.0/8.5	8.8/8.3	20	8-1/2"	26"	16-7/8"	27-3/4"	141

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Slider/Casement Room Air Conditioners

R410A Refrigerant

- Three cooling speeds
- May be operated on fan only for economy
- Removable filter for easy cleaning
- Electronic controls and wireless remote
- Four-way adjustable air directors
- Fits into windows that open at least 21-1/2" H x 15-1/2" W
- Unit comes with window filler kit that allows installation into windows as high as 39-7/16"
- Full one-year parts and labor warranty, parts only second through fifth year on sealed refrigerant system
- Includes LCDI or AFCI power cord



Order #	Mfg. #	Type	Volts	BtuH Cooling	EER	Sq. Ft. Cooling	Air Delivery CFM	Dehumidity Pints/Hr.	Fan Speeds	Amps Cooling	Fuse Size T.D.	Max. Wall Thickness	Width	Height	Depth	Wt. Lbs.
B64-335	CD-81Q	Cooling Only	115	8,000	10.9	300-500	264	0.9	3	6.6	15	8-1/2"	14-3/5"	20-9/10"	23-1/2"	80
B63-394	CD-101Q	Cooling Only	115	10,000	10.4	400-449	322	1.1	3	8.5	15	8-1/2"	14-3/5"	20-9/10"	23-1/2"	85

Thru-the-Wall Air Conditioners

26" Mini-PTAC Air Conditioners and Heat Pumps, R410A

- High energy-efficiency model
- Fresh air control plate
- Easy to use control panel accesses all functions
- LED indicator flashes error code
- Adjustable discharge grille for 15° or 55° discharge angle
- 208/230V



Order #	Mfg. #	Type	Volts	BtuH Cooling	BtuH Heating	EER	Air Delivery CFM	Dehumidity Pints/Hr.	Amps Cooling	Amps Heating	Fuse Size T.D.	Width	Height	Depth	Wt. Lbs.
B64-347	PTTC09B-1	Cooling Only	230/208	9,100/9,300	—	9.8/9.8	282	2.3	4.7/4.3	—	15	26"	15-5/8"	21-3/16"	84
B64-408	PTTC12B-1	Cooling Only	230/208	11,800/12,000	—	9.8/9.8	282	3.5	6.1/5.7	—	15	26"	15-5/8"	21-3/16"	92
B64-409	PTTE09B-1	Heat/Cool	230/208	9,100/9,300	—	9.8/9.8	271	2.3	47.7/4.3	14/15.2	20	26"	15-5/8"	21-3/16"	86
B64-410	PTTE12B-1	Heat/Cool	230/208	11,800/12,000	—	9.8/9.8	271	3.5	6.1/5.7	14/15.2	20	26"	15-5/8"	21-3/16"	94
B64-411	PTTH09B-1	Heat Pump	230/208	9,100/9,300	8,600/8,800	9.7/9.7	271	2.3	4.8/4.4	14/15.2	20	26"	15-5/8"	21-3/16"	96
B64-412	PTTH12B-1	Heat Pump	230/208	11,500/11,700	11,200/11,400	9.6/9.6	271	3.5	6.1/5.6	14/15.2	20	26"	15-5/8"	21-3/16"	99

Thru-The-Wall Air Conditioners

Air Conditioners and Heat Pumps, R410A

- No louvers on side
- Cooling only or heat/cool models
- Four-way adjustable air directors
- Three cooling and three fan speeds
- Solid steel construction, corrosion resistant paint, attractive styling
- Quick access filter for easy cleaning
- Easily adapted to existing sleeves by other manufacturers
- Wall sleeve purchased separately
- Includes AFCI power cord



Order #	Mfg. #	Type	Volts	BtuH Cooling	BtuH Heating	EER	Sq. Ft. Cooling	Air Delivery CFM	Dehumidity Pints/Hr.	Fan Speeds	Amps Cooling	Amps Heating	Fuse Size T.D.	Max. Wall Thickness	Width	Height	Depth	Wt. Lbs.	Energy Star
Cooling Only Models																			
B73-211	BG-81P	Cool Only	115	8,000	—	10.6	300-350	270	2.1	3	7.0	—	15	18"	24-1/4"	14-1/2"	20-5/16"	76	Y
B73-212	BG-101P	Cool Only	115	10,000	—	10.6	400-450	269	2.3	3	8.3	—	15	18"	24-1/4"	14-1/2"	20-5/16"	80	Y
B73-996	BG-121P	Cool Only	115	12,000	—	10.5	450-550	286	2.54	3	10.0	—	15	15"	24-1/4"	14-1/2"	20-5/16"	87	Y
B73-213	BG-103P	Cool Only	208/230	10,000	—	10.6	400-450	275	2.3	3	4.5/4.8	—	15	18"	24-1/4"	14-1/2"	20-5/16"	80	Y
B73-214	BG-123P	Cool Only	208/230	12,000	—	10.5	450-550	286	2.54	3	5.2/5.6	—	15	18"	24-1/4"	14-1/2"	20-5/16"	89	Y
B73-215	BG-143M	Cool Only	208/230	14,000	—	9.3	550-700	296	2.96	3	7.5/6.9	—	15	18"	24-1/4"	14-1/2"	20-5/16"	89	Y
Cooling With Electric Heat Models																			
B73-216	BGE-103M	Heat/ Cool	208/230	10,000	10,600	9.6	400-450	269	2.32	3	5.0/4.6	15.0/13.5	20	18"	24-1/4"	14-1/2"	20-5/16"	85	—
B73-217	BGE-123M	Heat/ Cool	208/230	12,000	10,600	9.5	450-550	286	2.54	3	5.9/5.5	15.0/13.5	20	18"	24-1/4"	14-1/2"	20-5/16"	89	—
B73-758	BGE-143M	Heat/ Cool	208/230	14,000	10,600	9.3	550-700	296	2.96	3	7.5/6.9	15.0/13.5	20	18"	24-1/4"	14-1/2"	20-5/16"	89	—

Portable Air Conditioners and Heat Pumps

8,000 to 13,500 BtuH, R-32

- Disposes of its own condensate under most conditions
- Auto stop for overflow protection as a safeguard
- Easy-access, washable filter
- Electronic controls with soft-touch keypad
- Louvers can be set for horizontal or vertical air flow, also auto louver swing
- Full feature remote control
- 24-hour on/off timer
- Cooling and auto mode
- Dehumidify mode
- Fan only mode and three cooling speeds
- Single exhaust hose
- 5-year warranty on compressor, 1-year warranty on parts
- **B73-994** and **B73-995** are smartphone compatible


A


B


C


D

Fig.	Order #	Mfg. #	BtuH Cooling	BtuH Heating	EER	Volts	Air Delivery CFM	Sq. Ft. Cooling	Dehumidity Pints/Hr.	Amps Cooling	Width	Height	Depth	Wt. Lbs.
A	**B66-905**	PS-81G	8,000	—	10.24	115	165	300-350	2.32	7.3	12-31/32"	24-31/32"	12-17/32"	54
A	**B73-992**	PS-81D	8,000	—	10.57	115	194	300-350	4.16	7.4	13-5/8"	27-13/16"	14"	57.5
B	**B73-993**	PS-101D	10,000	—	9.55	115	177	400-450	4.8	9.1	14"	27-13/16"	13-5/8"	61.7
C	**B73-994**	PS-121D	12,000	—	9	115	237	450-550	5.54	12	18"	27-5/8"	14-5/16"	78
D	**B73-995**	PSH-141D	14,000	11,000	9.89	115	333	550-700	5.24	11.7	18-7/16"	30-1/8"	15-5/8"	89.7

Window A/C Support Brackets

- Fits all window A/C
- Complete unit for easy installation; fits walls 4" to 11" thick
- Weather resistant components, rugged construction
- Available in two sizes
- Unique bubble level helps ensure proper angle installation



Order #	Mfg. #	Description	For Use With	Dimensions	Width	Height	Depth	Wt. Lbs.
B12-854	AS080	Holds up to 80 lbs - Requires Tools	Room Air	4" H x 12" W x 2" D	12"	4"	2"	5
B81-666	AS160	Holds up to 160 lbs - Requires Tools	Room Air	4" H x 17" W x 2" D	17"	4"	2"	5
B22-207	NTN-2	Holds up to 50 lbs - 'Drop In' Design, no screws or tools required	Room Air	11" H x 14" W x 16" D	14"	11"	16"	3
B22-206	NTN-1	Holds up to 100 lbs - 'Drop In' Design, no screws or tools required	Room Air	23" H x 3.25" W x 2.25" D	3.25"	23"	2.25"	6

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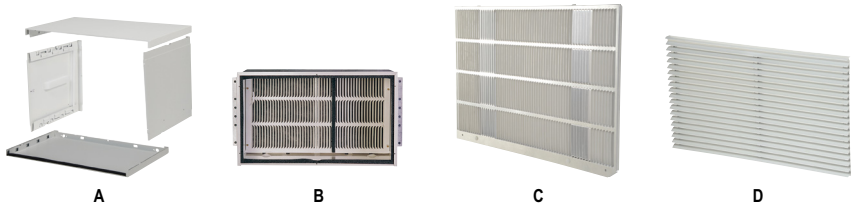
Wall Sleeves and Grilles



A B C D

Fig.	Order #	Mfg. #	Description	For Use With	Dimensions	Width	Height	Depth	Wt. Lbs.
A	**B87-263**	7602-800F	Wall Sleeve	PTT 26" Mini PTAC	17-5/8" W x 3" H x 29" D	17-5/8"	3"	29"	18
B	**B84-164**	EA448F	Wall Sleeve	PTT 26" Mini PTAC	25-7/8" W x 15-17/32" H x 16-23/32" D	25-7/8"	15-17/32"	16-23/32"	34
C	**B87-264**	7602-801F	Stamped Aluminum Grille	PTT 26" Mini PTAC	16" W x 3/4" H x 26-1/4" D	16"	3/4"	26-1/4"	3
D	**B87-265**	7602-805F	Architectural Grille	PTT 26" Mini PTAC	16" W x 1-5/8" H x 26-3/4" D	16"	1-5/8"	26-3/4"	6

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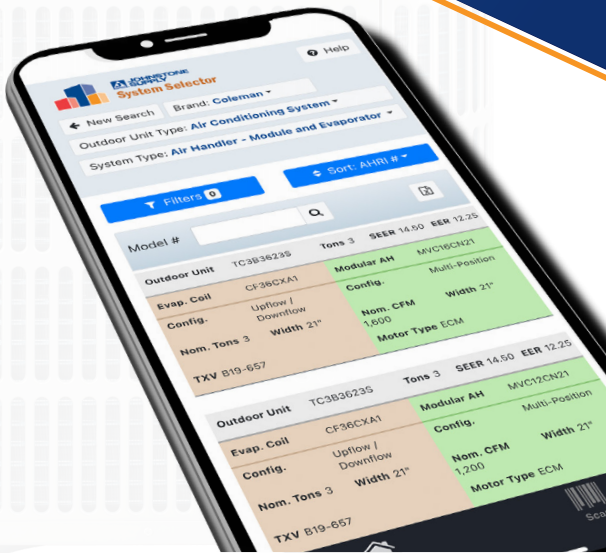

Room Air Conditioners

Chill™ Premier Series, Air Conditioners, Up to 15.1 EER, R-32



- Heavy duty insulation on inner wall for sound absorption
- 24-hour programmable timer
- 3-speed fan and remote control
- Defrost control
- Money Saver® setting saves money by conserving energy
- Compatible with Amazon Alexa™ and Google Home
- Washable, antimicrobial filter
- Built-in wall sleeve
- A2L Ready with R-32 Refrigerant

Order #	Mfg. #	Type	Volts	BtuH Cooling	EER	Sq. Ft. Cooling	Air Delivery CFM	Dehumidify Pints/Hr.	Fan Speeds	Amps Cooling	Fuse Size T.D.	Max. Wall Thickness	Width	Height	Depth	Wt. Lbs.	Energy Star
Cooling Only, Fixed Chassis Models																	
B66-113	CCF12B10B	Cool Only	115	12,000	12.1	450-550	270	1.5	3	7.2	15	—	19-3/4"	15-5/32"	21-1/2"	73	—
Cooling Only, Slide-Out Chassis Models																	
B64-289	CCW06B10B	Cool Only	115	6,000	12	150-250	141	1.8	3	4.3	15	8"	18-5/8"	13-1/2"	20"	44	—
B64-290	CCW08B10B	Cool Only	115	8,000	12	300-350	206	2.11	3	5.8	15	8"	18-5/8"	13-1/2"	20"	44	—
B67-176	CCW10B10B	Cool Only	115	10,000	12.1	400-450	300	1.2	3	7.3	15	8"	18-4/7"	13-1/3"	17-1/3"	51	—
B67-177	CCW12B10B	Cool Only	115	12,000	12	450-550	330	1.5	3	8.6	15	8"	19-3/4"	14-5/8"	23-3/4"	64	—
B67-178	CCW15B10B	Cool Only	115	15,000	11.8	550-700	400	2	3	11	15	9"	23-5/8"	18"	25-3/8"	73	—
B67-179	CCW18B30B	Cool Only	230	18,000	1.8	700-1,000	520	2.7	3	7.1	20	9"	23-5/8"	18"	25-3/8"	106	—
B87-892	CCW24B30B	Cool Only	230	24,000	10.3	1,400-1,500	590	2.7	3	10.2	20	9"	27"	18-3/4"	26-3/8"	117	—
Cooling Only, Inverter, Fixed Chassis Models																	
B67-180	CCV08A10A	Cool Only	115	8,000	15.1	300-350	194	2.5	3	8.3	15	—	20-5/8"	13-3/8"	19-1/4"	56	—
B67-181	CCV10A10A	Cool Only	115	10,000	15.1	400-450	253	3.1	3	8.3	15	—	20-5/8"	13-3/8"	19-1/4"	58	—
B67-182	CCV12A10A	Cool Only	115	12,000	15.1	450-550	265	3.5	3	10.5	15	—	20-5/8"	13-3/8"	19-1/4"	58	—
Cooling Only, Inverter, Slide-Out Chassis Models																	
B68-024 ◀	CCV15A10A	Cool Only	115	15,000	14.4	750-850	423	3.8	3	12.3	15	—	25-2/5"	17"	26-3/8"	85	Y
B68-025 ◀	CCV18A30A	Cool Only	208/230	18,000	14.4	700-1,000	470	5.5	3	12.3	15	—	25-2/5"	17"	26-3/8"	88	Y
B68-026 ◀	CCV24A30A	Cool Only	208/230	24,000	12.7	1,400-1,500	470	6.97	3	14	20	—	25-2/5"	17"	26-3/8"	99	Y

Room Air Conditioners and Heat Pump

Kühl® Series, Air Conditioners and Heat Pump, Up to 12.1 EER, R-32



- 20 gauge steel cabinet
- Solid sleeve top with solid steel blower wheel housing
- Aluminum outside grille
- EntryGard™ kick-in intrusion protection
- All Kühl units include two built-in 7-day energy management programs accessed and selected from unit's controls
- FriedrichLink Wi-Fi® including multi-unit control options (sold separately)
- Washable, antimicrobial air filter
- Superior fresh air intake and stale air exhaust vent (Excluding "Q" models)
- 4 cooling and 4 fan-only speeds on select models
- Automatic fan speed adjustment
- 8-way air flow control
- Sealed control panel for protection from dust, moisture and contaminants
- Dual cord option (right or left)
- Wall sleeves included

Order #	Mfg. #	Type	Volts	BtuH Cooling	BtuH Heating	EER	Sq. Ft. Cooling	Air Delivery CFM	Dehumidify Pints/Hr.	Fan Speeds	Amps Cooling	Amps Heating	Fuse Size T.D.	Max. Wall Thickness	Width	Height	Depth	Wt. Lbs.
Cooling Only Models																		
B67-673	KCQ08B10A	Cool Only	115	8,000	—	12.1	300-350	200	2.1	4	6.5	—	15	8-1/2"	19-3/4"	14-1/4"	21-3/8"	85
B67-674	KCS12B10A	Cool Only	115	12,000	—	12	450-550	300	3.5	4	11.1	—	15	7-3/8"	25-15/16"	15-15/16"	29"	85
B67-672	KCM24B30A	Cool Only	230	21,000	—	10.4	700-1,000	425	7.5	4	13.8	—	15	7-3/8"	25-15/16"	17-15/16"	29"	153
B67-670	KCL28B30A	Cool Only	230	28,000	—	10	1,600-1,900	640	9.3	4	16.0	—	20	15-1/8"	28"	20-3/16"	35-1/2"	214
B67-671	KCL36B30A	Cool Only	230	36,000	—	9.1	1,900-2,700	725	11.0	4	18.6	—	30	15-1/8"	28"	20-3/16"	35-1/2"	248
Heat Pump Model																		
B67-675	KHS10B10A	Heat Pump	115	10,000	8,000	10.9	400-450	300	2.0	4	9.3	9.1	15	7-3/8"	25-15/16"	15-15/16"	29"	134



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Room Air Conditioners and Heat Pumps

Kühl® Series, Air Conditioners and Heat Pumps, Up to 12.2 EER, R410A

- 20 gauge steel cabinet
- Solid sleeve top with solid steel blower wheel housing
- Aluminum outside grille
- EntryGard™ kick-in intrusion protection
- All Kühl units include two built-in 7-day energy management programs accessed and selected from unit's controls
- FriedrichLink Wi-Fi® including multi-unit control options (sold separately)
- Washable, antimicrobial air filter
- Superior fresh air intake and stale air exhaust vent (Excluding "Q" models)
- 4 cooling and 4 fan-only speeds on select models
- Automatic fan speed adjustment
- 8-way air flow control
- Sealed control panel for protection from dust, moisture and contaminants
- Dual cord option (right or left)
- Wall sleeves included



Order #	Mfg. #	Type	Volts	BtuH Cooling	BtuH Heating	Strip Heat BtuH	EER	Sq. Ft. Cooling	Air Delivery CFM	Dehumidify Pints/Hr.	Fan Speeds	Amps Cooling	Amps Heating	Fuse Size T.D.	Max. Wall Thickness	Width	Height	Depth	Wt. Lbs.	Energy Star
Cooling Only Models																				
B61-514	KCQ06A10A	Cool Only	115	5,800	—	—	12.2	150-250	190	1.5	4	4.1	—	15	8-1/2"	19-3/4"	14-1/4"	21-3/8"	72	—
B61-515	KCQ08A10A	Cool Only	115	8,000	—	—	12.2	300-350	200	1.9	4	6.1	—	15	8-1/2"	19-3/4"	14-1/4"	21-3/8"	72	—
B61-517	KCS08A10A	Cool Only	115	8,000	—	—	12.2	300-350	255	1.9	4	5.8	—	15	7-3/8"	25-15/16"	15-15/16"	29"	106	—
B62-668	KCQ10A10B	Cool Only	115	10,000	—	—	11.1	400-450	250	3.2	4	8.9	—	15	8-1/2"	19-3/4"	14-1/4"	21-3/8"	72	—
B61-518	KCS10A10A	Cool Only	115	10,000	—	—	12.2	400-450	300	2.5	4	7.2	—	15	7-3/8"	25-15/16"	15-15/16"	29"	112	—
B61-519	KCS12A10A	Cool Only	115	11,900	—	—	12.2	450-550	300	3.9	4	8.7	—	15	7-3/8"	25-15/16"	15-15/16"	29"	112	—
B61-520	KCS12A30A	Cool Only	230	12,000	—	—	12.2	450-550	300	3.6	4	4.5	—	15	7-3/8"	25-15/16"	15-15/16"	29"	116	—
B61-521	KCS14A10A	Cool Only	115	13,600	—	—	11.2	550-700	275	4.3	4	10.4	—	15	7-3/8"	25-15/16"	15-15/16"	29"	141	—
B61-523	KCM14A10A	Cool Only	115	13,700	—	—	12.1	550-700	360	3	4	9.9	—	15	7-3/8"	25-15/16"	17-15/16"	29"	138	—
B61-522	KCS16A30A	Cool Only	230	15,500	—	—	10.8	550-700	330	5	4	6.5	—	15	7-3/8"	25-15/16"	15-15/16"	29"	141	—
B61-524	KCM18A30A	Cool Only	230	20,000	—	—	10.4	700-1,000	425	6	4	9.3	—	15	7-3/8"	25-15/16"	17-15/16"	29"	132	—
B61-525	KCM21A30A	Cool Only	230	20,500	—	—	10.4	700-1,000	425	6	4	9.3	—	15	7-3/8"	25-15/16"	17-15/16"	29"	132	—
B64-287	KCL24A30B	Cool Only	230	23,000	—	—	10.4	1,400-1,500	640	7.5	4	11.1	—	20	15-1/8"	28"	20-3/16"	35-1/2"	207	—
B61-527	KCL28A30A	Cool Only	230	28,000	—	—	10	1,600-1,900	640	8.5	4	13.1	—	20	15-1/8"	28"	20-3/16"	35-1/2"	193	—
B61-528	KCL36A30A	Cool Only	230	36,000	—	—	9.1	1,900-2,700	725	12	4	17.5	—	30	15-1/8"	28"	20-3/16"	35-1/2"	212	—
Cooling With Electric Heat Models																				
B61-533	KEQ08A11A	Heat/ Cool	115	7,700	4,000	4,000	12.2	300-350	200	2.1	4	6.4	11.2	15	8-1/2"	19-3/4"	14-1/4"	21-3/8"	72	—
B61-534	KES12A33A	Heat/ Cool	230	12,000	10,700	10,700	11.3	450-550	325	3.4	4	4.9	16	20	7-3/8"	25-15/16"	15-15/16"	29"	113	—
B61-535	KES16A33A	Heat/ Cool	230	15,500	10,700	10,700	10.8	550-700	300	3.4	4	6.5	16	20	7-3/8"	25-15/16"	15-15/16"	29"	138	—
B61-536	KEM18A34A	Heat/ Cool	230	20,000	13,000	13,000	10.4	700-1,000	750	7	4	9.3	19.5	30	7-3/8"	25-15/16"	17-15/16"	29"	141	—
B64-288	KEL24A35B	Heat/ Cool	230	23,000	17,300	17,300	10.4	1,400-1,500	750	7	4	11.1	24	30	15-1/8"	28"	20-3/16"	35-1/2"	199	—
B61-538	KEL36A35A	Heat/ Cool	230	36,000	17,300	17,300	9	1,600-1,900	725	12	4	17.5	24	30	15-1/8"	28"	20-3/16"	35-1/2"	213	—
Heat Pump Models																				
B61-529	KHS10A10A	Heat Pump	115	10,000	8,800	—	10.9	1,900-2,700	300	2	4	8.8	9.1	15	7-3/8"	25-15/16"	15-15/16"	29"	109	—
B61-530	KHS12A33A	Heat Pump	230	12,000	9,800	—	10.9	450-550	375	3	4	5.0	4.7	20	7-3/8"	25-15/16"	15-15/16"	29"	115	—
B61-531	KHM18A34A	Heat Pump	230	17,500	14,900	—	10.9	700-1,000	450	5.6	4	7.4	7.4	30	7-3/8"	25-15/16"	17-15/16"	29"	141	—
B61-532	KHL24A35A	Heat Pump	230	24,000	21,000	—	10.3	1,400-1,500	600	7	4	11.1	10.3	30	15-1/8"	28"	20-3/16"	35-1/2"	197	Y

Room Air Conditioners

Hazardgard® Series, Air Conditioners, Up to 9.7 EER, R410A



- Class 1, Division 2, Group A / B / C / D, R410A
- Ideal for oil rigs, petrochemical sites, paint storage and plant areas with strong solvents and other hazardous locations where specific volatile flammable liquids or gasses are handled or used in enclosed containers or systems
- Hermetically sealed refrigeration system
- Heavy duty galvanized steel
- Commercial grade, enclosed fan motor with hermetically sealed overload for arc-free operation
- Hot gas bypass for cooling operation at low ambient temperatures, down to 45ºF / 7ºC without freezing
- Anti-Corrosive Treatments Diamonblue® technology standard on models except **B62-683** SH24N30A; **B62-683** has ElectroFin® 5-stage-Passed 6048 hrs. ASTM B-117 Salt Spray

Order #	Mfg. #	Type	Volts	BtuH Cooling	EER	Sq. Ft. Cooling	Air Delivery CFM	Dehumidity Pints/Hr.	Fan Speeds	Amps Cooling	Fuse Size T.D.	Max. Wall Thickness	Width	Height	Depth	Wt. Lbs.
B91-438	SH15M30A	Cool Only	230/208	14,500	9.7/9.7	550-700	375	4	1	7.9/7.8	15	6"	25-15/16"	15-15/16"	27-3/8"	140
B91-439	SH20M30B	Cool Only	230/208	19,000	9.7/9.6	900-1,100	375	5.5	1	10.5/9.4	20	6"	25-15/16"	17-15/16"	27-3/8"	166
B62-682	SH20M50B	Cool Only	240/220	19,500	8.8/8.8	900-1,100	425	7	1	11.6/10.3	15	6"	25-15/16"	17-15/16"	27-3/8"	171
B62-683	SH24N30A	Cool Only	230/208	24,000	9.7/8.5	1,100-1,300	385	8/7.5	1	11.8	20	6"	25-15/16"	17-15/16"	27-3/8"	180

Thru-the-Wall Air Conditioners

Uni-Fit® Series, Air Conditioners, Up to 10.6 EER, R410A



- Residential grade quality for installation in new construction, retrofits and remodels
- 24-hour programmable timer
- 3-speed fan and remote control
- Auto restart
- Defrost control
- Money Saver® setting saves money by conserving energy
- Washable antimicrobial filter
- Stale air exhaust and 6-way air flow control
- Rotary compressors provide quiet, dependable performance
- Seacoast protection for corrosion resistance in harsh environments
- Chassis and sleeve sold separately

Order #	Mfg. #	Type	Volts	BtuH Cooling	BtuH Heating	Strip Heat BtuH	EER	Sq. Ft. Cooling	Air Delivery CFM	Dehumidity Pints/Hr.	Fan Speeds	Amps Cooling	Amps Heating	Fuse Size T.D.	Max. Wall Thickness	Width	Height	Depth	Wt. Lbs.	Energy Star
Cooling Only Models																				
B61-557	UCT12A10A	Cool Only	115	12,000	—	—	10.6	450-550	276	1.7	3	10.1	—	15	16-1/4"	24-1/4"	14-1/2"	20-5/16"	75	Y
Cooling With Electric Heat Models																				
B61-560	UET08A11A	Heat/ Cool	115	8,000	4,200	4,200	9.7	300-350	265	0.75	3	7.2	12.5	15	16-1/4"	24-1/4"	14-1/2"	20-5/16"	66	—
B61-561	UET10A33A	Heat/ Cool	230/208	10,000	10,600	10,000	9.7	400-450	276	1.2	3	4.9	15.0	20	16-1/4"	24-1/4"	14-1/2"	20-5/16"	75	—
B61-562	UET12A33A	Heat/ Cool	230/208	12,000	10,600	12,000	9.7	450-550	276	1.65	3	5.9	15.0	20	16-1/4"	24-1/4"	14-1/2"	20-5/16"	76	—
B61-563	UET14A33A	Heat/ Cool	230/208	14,000	10,600	14,000	9.4	550-700	265	2.15	3	7.2	15.0	20	16-1/4"	24-1/4"	14-1/2"	20-5/16"	77	—

Thru-the-Wall Air Conditioners

Uni-Fit® Series, Air Conditioners, Up to 10.7 EER, R-32



- Residential grade quality for installation in new construction, retrofits and remodels
- 24-hour programmable timer
- 3-speed fan and remote control
- Auto restart
- Defrost control
- Money Saver® setting saves money by conserving energy
- Washable antimicrobial filter
- Stale air exhaust and 6-way air flow control
- Rotary compressors provide quiet, dependable performance
- Seacoast protection for corrosion resistance in harsh environments
- Chassis and sleeve sold separately
- A2L Ready with R-32 refrigerant

Order #	Mfg. #	Width	Height	Depth	Wt. Lbs.
Cooling Only Models					
B67-183	UCT08B10A	24-1/4"	14-1/2"	20-1/3"	77
B67-200	UCT10B10A	24-1/4"	14-1/2"	20-1/3"	91
B67-210	UCT10B30A	24-1/4"	14-1/2"	20-1/3"	91
B67-201	UCT12B10A	24-1/4"	14-1/2"	20-1/3"	94
B67-202	UCT12B30A	24-1/4"	14-1/2"	20-1/3"	94
B67-211	UCT14B30A	24-1/4"	14-1/2"	20-1/3"	90

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Thru-The-Wall Air Conditioners and Heat Pump

WallMaster® Series, Air Conditioners and Heat Pump, Up to 10.7 EER, R410A

- Commercial grade unit ideal for installation in new construction, retrofits and remodels
- 24-hour programmable timer and remote control
- 3-speed Smart Fan auto-adjusts fan speed to maintain desired temperature
- Electronic defrost control
- Adjustable louvers
- Money Saver® setting saves money by operating the fan only when needed
- Washable, antimicrobial filter
- Rotary compressors provide quiet, dependable performance
- Premium aluminum exterior grille
- EntryGard® anti-intrusion protection-chassis secured to sleeve to deter 'kick-in' intrusion
- Solid-sided, mounts in wall sleeve (wall sleeve not included — order **B81-663**)
- **B61-549** is R-32, all others are R410A



Order #	Mfg. #	Type	Volts	BtuH Cooling	BtuH Heating	Strip Heat BtuH	EER	Sq. Ft. Cooling	Air Delivery CFM	Dehumidify Pints/Hr.	Fan Speeds	Amps Cooling	Amps Heating	Fuse Size T.D.	Max. Wall Thickness	Width	Height	Depth	Wt. Lbs.
Cooling Only Models																			
B61-544	WCT08A10A	Cool Only	115	8,000	—	—	10.7	300-350	250	1.8	3	7	—	15	15-5/16"	30-5/8"	19-3/8"	27-1/2"	93
B61-545	WCT10A10A	Cool Only	115	10,000	—	—	10.7	400-450	250	2.4	3	9.3	—	15	15-5/16"	30-5/8"	19-3/8"	27-1/2"	103
B61-547	WCT10A30A	Cool Only	230/208	10,000	—	—	10.7	400-450	275	2.7	3	4.4	—	15	15-5/16"	30-5/8"	19-3/8"	27-1/2"	112
B66-114	WCT12A10B	Cool Only	115	12,000	—	—	10.6	450-550	295	3.8	3	10.5	—	15	15-5/16"	26.5"	15.75"	21"	101
B61-549	WCT16A30A	Cool Only	230/208	15,400	—	—	9.4	650-750	290	4.8	3	7.5	—	15	15-5/16"	30-5/8"	19-3/8"	27-1/2"	119
Cooling With Electric Heat Models																			
B61-551	WET10A33A	Heat/Cool	230/208	10,000	11,000	3,550	10.7	350-400	260	2.7	3	4.4	16	20	15-5/16"	30-5/8"	19-3/8"	27-1/2"	104
B61-552	WET12A33A	Heat/Cool	230/208	12,000	11,000	3,500	9.6	450-550	290	3.8	3	5.4	16	20	15-5/16"	30-5/8"	19-3/8"	27-1/2"	107
B61-553	WET16A33A	Heat/Cool	230/208	15,400	11,000	3,500	9.4	650-750	290	4.8	3	7.5	16	20	15-5/16"	30-5/8"	19-3/8"	27-1/2"	119
Heat Pump Model																			
B61-550	WHT12A33A	Heat Pump	230/208	11,100	8,900	1,087	9.4	450-550	275	3.1	3	5.5	5	20	15-5/16"	30-5/8"	19-3/8"	27-1/2"	111

Room Air Conditioners

◀ NEW

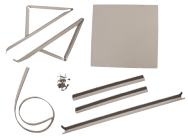
Chill™ Premier Series, Air Conditioners, Up to 16 EER, R-32

- Heavy duty insulation on inner wall for sound absorption
- 24-hour programmable timer
- 3-speed fan and remote control
- Defrost control
- Money Saver® setting saves money by conserving energy
- Compatible with Amazon Alexa™ and Google Home
- Washable, antimicrobial filter
- Built-in wall sleeve



Order #	Mfg. #	Type	Volts	BtuH Cooling	BtuH Heating	EER	Sq. Ft. Cooling	Air Delivery CFM	Dehumidify Pints/Hr.	Fan Speeds	Amps Cooling	Amps Heating	Fuse Size T.D.	Width	Height	Depth	Wt. Lbs.
Cooling Only Models																	
B68-023 ◀	CCF05B10B	Cool Only	115	5,000	—	12.2	100-150	141	1	3	4.3	—	15	18-4/7"	13-1/3"	15-3/4"	44
Cooling With Electric Heat Models																	
B67-884	CEW08B11B	Heat/Cool	115	8,000	4,200	12	300-350	350	2.1	3	7.2	12	15	19-3/4"	15-1/8"	24-1/8"	55
B68-027 ◀	CEW12B33B	Heat/Cool	230/208	12,000	11,000	16	450-550	230	3.6	3	6	16	20	19-9/4"	15-1/6"	24"	85
B67-885	CEW18B33B	Heat/Cool	230/208	18,000	10,600	16	700-1,000	230	5.3	3	7.1	16	20	23-7/8"	18"	25-3/8"	109
B68-028 ◀	CEW24B33B	Heat/Cool	230/208	24,000	10,600	16	1,400-1,500	480	7.8	3	12.5	16	20	26-2/5"	18-2/3"	26-8/9"	137

Window Mounting Kits



Order #	Mfg. #	Description	For Use With	Width	Height	Depth	Wt. Lbs.
B85-674	KWIKSB	Mount Kit	Kuhl KES, KHS Chasis Models	4"	24"	4"	8
B85-675	KWIKMB	Window Installation Kit	Kuhl KEM, KHM Chasis Models	18"	20-3/4"	2"	6.5
B85-676	KWIKLB	Window Mount Installation Kits	Kuhl KEL, KYL Chasis Models	4"	24"	4"	8

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Ask About Our Replenishment Programs Today!



Wall Sleeves and Grilles

FRIEDRICH 1883 WallMaster®



Order #	Mfg. #	Description	For Use With	Dimensions	Width	Height	Depth	Wt. Lbs.
B81-663	WSE	Wall Sleeve, Painted Steel	"W" WallMaster Models	16-3/4" x 27"x 16-3/4	27"	16-3/4"	16-3/4"	39
B82-541	USC	Uni-Fit Wall Sleeve, Metal	"U" Unifit Models	15-1/2" x 25-7/8" x 16-3/4 "	25-7/8"	15-17/32"	16-23/32"	25
B98-803	AG	Extruded aluminum architectural grille	"W" WallMaster Models	—	27"	16-3/4"	16-3/4"	6

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Thru-the-Wall Air Conditioners

26" Mini-PTAC Air Conditioners, Up to 10.6 EER, R-32

- Cooling only and electric heat
- Energy efficiency as high as 10.6 EER
- Two fan speeds for cooling and heating/fan only setting for air circulation
- Fan cycle switch runs only when compressor or heater is operating
- Upfront washable filter
- Slide out chassis
- Fits standard GE 26" wall case, wall case and aluminum grille, not included
- 1-year parts and labor warranty; 5-year limited warranty on sealed refrigerating system

Order #	Mfg. #	Type	Volts	BtuH Cooling	BtuH Heating	EER	Air Delivery CFM	Dehumidity Pints/Hr.	Fan Speeds	Amps Cooling	Amps Heating	Width	Height	Depth	Wt. Lbs.	Energy Star
Cooling Only Models																
B67-263	AJCQ08AWJ	Cool Only	115	8,000	—	10.6	250	1.9	3	7.2	—	26"	15-5/8"	21-13/16"	74	Y
B67-264	AJCQ10AWJ	Cool Only	115	10,000	—	10.6	270	2.7	3	8.8	—	26"	15-5/8"	21-13/16"	77	Y
B67-265	AJCQ10DWJ	Cool Only	230/208	10,000	—	10.6	280	2.7	3	4.3	—	26"	15-5/8"	21-13/16"	77.2	Y
B67-266	AJCQ12AWJ	Cool Only	115	12,000	—	10.5	270	3.4	3	10.3	—	26"	15-5/8"	21-13/16"	84	Y
B67-267	AJCQ12DWJ	Cool Only	230/208	12,000	—	10.5	270	3.4	3	5.3	—	26"	15-5/8"	21-13/16"	84	Y
Cooling With Electric Heat Models																
B67-574	AJEQ10DWJ	Heat/Cool	230/208	10,000	10,600	9.6	285	2.7	3	4.6	15	26"	15-5/8"	21-13/16"	81	—
B67-575	AJEQ12DWJ	Heat/Cool	230/208	12,000	10,600	9.5	285	3.4	3	5.5	15	26"	15-5/8"	21-13/16"	90.5	—

good things, for life. GE APPLIANCES



Wall Sleeves and Grilles

For GE Thru-the-Wall Air Conditioners

Order #	Mfg. #	Description
B82-403	RAB26A	Wall Case 26"W x 16-7/8"L x 15-5/8"H
B82-435	RAG13A	Stamped Aluminum Grille

Order #	Mfg. #	Description
B82-436	RAG14E	Architectural Grille

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Thru-the-Wall Air Conditioners and Heat Pumps

26" Mini-PTAC, Air Conditioners and Heat Pumps, Up to 9.8 EER, R410A

- Easily removable condenser top for cleaning of outdoor coils
- Optional wall sleeve: **B84-314**
- Full first-year warranty and five-year sealed component warranty



Order #	Mfg. #	Type	Volts	BtuH Cooling	BtuH Heating	Strip Heat BtuH	EER	Air Delivery CFM	Dehumidity Pints/Hr.	Fan Speeds	Amps Cooling	Amps Heating	Fuse Size T.D.	Max. Wall Thickness	Width	Height	Depth	Wt. Lbs.
Cooling Only																		
B91-009	PBC092G00CC	Cooling Only	115	9,300	—	—	9.8	275	2.3	2	8.7	—	15	16-3/8"	26"	15-5/8"	16-7/8"	87
B91-010	PBC122G00CC	Cooling Only	115	11,800	—	—	9.8	275	3.4	2	11.0	—	15	16-3/8"	26"	15-5/8"	16-7/8"	93
B91-011	PBC093G00CC	Cooling Only	230/208	9,300	—	—	9.8	275	2.3	2	4.4/4.7	—	15	16-3/8"	26"	15-5/8"	16-7/8"	84
B91-012	PBC123G00CC	Cooling Only	230/208	12,000	—	—	9.8	275	3.4	2	5.7/6.1	—	15	16-3/8"	26"	15-5/8"	16-7/8"	92
Cooling With Electric Heat																		
B91-013	PBE093G35CC	Heat/Cool	230/208	9,300	—	11,000/9,000	9.8	265	2.5	2	4.3/4.7	15.2/14.0	20	16-3/8"	26"	16-1/16"	22"	84
B91-014	PBE123G35CC	Heat/Cool	230/208	12,000	—	11,000/9,000	9.8	265	3.4	2	5.7/6.1	15.2/14.0	20	16-3/8"	26"	15-3/4"	22"	86
Heat Pump																		
B91-015	PBH092G12CC	Heat Pump	115	9,000	8,500	3,900	9.8	265	2.3	2	8.4	11.0	15	16-3/8"	26"	18-1/2"	29-1/2"	98
B91-016	PBH093G35CC	Heat Pump	230/208	9,300	8,600	11,000/9,000	9.6	265	2.3	2	4.4/4.8	15.2/14.0	20	16-3/8"	26"	15-5/8"	16-7/8"	96
B91-017	PBH113G35CC	Heat Pump	230/208	11,700	11,400	11,000/9,000	9.6	265	3.4	2	5.6/6.1	15.2/14.0	20	16-3/8"	26"	15-5/8"	16-7/8"	99

Wall Sleeve



Order #	Mfg. #	Description	For Use With	Width	Height	Depth	Wt. Lbs.
B84-314	PBWS01A	Wall Sleeve, Painted Aluminum	26" TTW	26"	15-3/4"	16-3/4"	22



KOLDWAVE

Portable Air Conditioners and Heat Pump

Air Cooled, R410A

- Spot-Cool / Room-Cool Thermostat Settings
- Internally Insulated with Fiberglass Insulation
- Thermostatic Control with Multi-Speed Fan
- Separate Direct Drive Fan Motors
- Directional Nozzles
- Heavy Duty Twin Wheel Casters for Portability
- Self-Diagnostic System
- Off-Timer
- Washable Filters


A


B


C

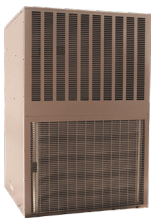

D


E

Fig.	Order #	Mfg. #	BtuH Cooling	BtuH Heating	Volts	Air Delivery CFM	Sq. Ft. Cooling	Amps Cooling	Width	Height	Depth	Wt. Lbs.
Air Conditioner												
A	**B78-947**	6CC10BEA2AA00	10,000	—	115	700	269	10.0	17-1/5"	20"	24"	121
B	**B78-948**	6KK14BEA2AA00	13,200	—	115	400	355	11.5	20-1/2"	40-9/10"	26"	143
B	**B78-949**	6KK17BGA2AA00	16,800	—	115	1,120	431	15.5	20-1/2"	40-9/10"	26"	190
C	**B78-951**	5KK30BGA2AA00	29,000	—	230	1,560	754	16.0	22"	47-3/10"	29-2/5"	216
C	**B78-952**	6KK37BFA0	37,000	—	230	776	1,076	19.5	26"	54-3/10"	34-4/5"	253
D	**B78-953**	6KK61BBFA0	61,000	—	230	1,700	1,722	32.0	29"	60"	51-1/2"	661
D	**B78-955**	6KK92BCA0	92,000	—	460	1,700	2,637	17.2	29"	60"	51-1/2"	761
Heat Pump												
E	**B78-956**	6HK16BEH0	16,800	18,500	115	470	430	16	24"	49"	30"	230

National Comfort Products

ncp NATIONAL COMFORT PRODUCTS



Thru-The-Wall Package Systems

Comfort Pack Series, Cooling with Electric Heat Option, 11.7 SEER2, R410A

- Slide out chassis
- Easy access service ports
- 2 stage sequencing control board
- ECM blower motor
- Built in auxiliary drain
- Optional field installed heat kits up to 15kW electric resistance heat
- 208/230V

Order #	Mfg. #	Volts	BtuH Cooling	Air Delivery CFM	Fan Speeds	Amps Cooling	Fuse Size T.D.	Max. Wall Thickness	Width	Height	Depth	Wt. Lbs.
Cooling with Electric Heat Option												
B67-863	CPE40900UB	208/230	9,000	760	5	8.9	15	12"	28"	43"	31-15/32"	310
B67-864	CPE41200UB	208/230	12,000	760	5	9.7	15	12"	28"	43"	31-15/32"	310
B67-865	CPE41800UB	208/230	17,300	760	5	10.9	15	12"	28"	43"	31-15/32"	310
B67-866	CPE42400UB	208/230	21,600	870	5	14.6	25	12"	28"	43"	31-15/32"	310
B67-867	CPE43000TB	208/230	27,000	1,000	5	20.3	35	12"	28"	43"	39"	330

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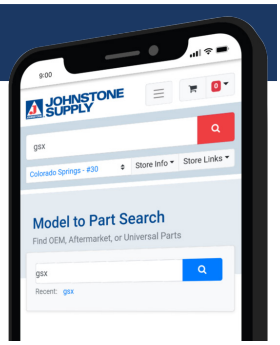

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Thru-The-Wall Package Systems

Comfort Pack Series, Gas Heat, 11.7 SEER2, R410A

- 80% AFUE gas efficiency
- Slide out gas furnace
- Stainless steel heat exchanger
- Easy access service ports
- Diagnostic LEDs and flame visible through sight glass on furnace door
- ECM blower motor
- Built in auxiliary drain
- 208/230V



Order #	Mfg. #	Type	Volts	BtuH Cooling	BtuH Heating	Air Delivery CFM	Fan Speeds	Amps Cooling	Amps Heating	Fuse Size T.D.	Max. Wall Thickness	Width	Height	Depth	Wt. Lbs.
Gas Heat 80%															
B67-832	CP840928UB	Gas Heat	208/230	9,000	22,400	760	5	8.9	2.6	15	12"	28"	43"	31-15/32"	310
B67-833	CP841228UB	Gas Heat	208/230	12,000	22,400	760	5	9.7	2.6	15	12"	28"	43"	31-15/32"	310
B67-834	CP841238UB	Gas Heat	208/230	12,000	30,400	760	5	9.7	2.6	15	12"	28"	43"	31-15/32"	310
B67-835	CP841828UB	Gas Heat	208/230	17,300	22,400	760	5	10.9	2.6	15	12"	28"	43"	31-15/32"	310
B67-836	CP841838UB	Gas Heat	208/230	17,300	30,400	760	5	10.9	2.6	15	12"	28"	43"	31-15/32"	310
B67-837	CP841851UB	Gas Heat	208/230	17,300	40,800	760	5	10.9	2.6	15	12"	28"	43"	31-15/32"	310
B67-838	CP841864UB	Gas Heat	208/230	17,300	51,200	760	5	10.9	2.6	15	12"	28"	43"	31-15/32"	310
B67-839	CP842428UB	Gas Heat	208/230	21,600	22,400	870	5	14.6	3.8	25	12"	28"	43"	31-15/32"	310
B67-840	CP842438UB	Gas Heat	208/230	21,600	30,400	870	5	14.6	3.8	25	12"	28"	43"	31-15/32"	310
B67-841	CP842451UB	Gas Heat	208/230	21,600	40,800	870	5	14.6	3.8	25	12"	28"	43"	31-15/32"	310
B67-842	CP842464UB	Gas Heat	208/230	21,600	51,200	870	5	14.6	3.8	25	12"	28"	43"	31-15/32"	310
B67-843	CP843051TB	Gas Heat	208/230	27,000	40,800	1,000	5	20.3	3.8	35	12"	28"	49-1/2"	39"	360
B67-844	CP843064TB	Gas Heat	208/230	27,000	51,200	1,000	5	20.3	3.8	35	12"	28"	49-1/2"	39"	360

Thru-the-Wall Split Systems

Thru-the-Wall Condensing Units, Up to 14 SEER2, Up to 12 EER2, R410A

- 1-1/2 to 2-1/2 ton sizes for multi-family new construction and retrofits
- High efficiency scroll compressor
- High efficiency condenser coil
- Heavy-duty water resistant cabinet
- Brass service valves
- Compatible with NCP Air Handlers
- 208/230V



Order #	Mfg. #	Nom. Tons	SEER	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
1000 Series									
B67-868	NCP4181000B	1-1/2	12.5	3/8"	3/4"	26-1/4"	28-5/8"	18-1/2"	180
B67-872	NCP4241000B	2	12.5	3/8"	3/4"	26-1/4"	28-5/8"	18-1/2"	180
B67-876	NCP4301000B	2-1/2	12	3/8"	3/4"	26-1/4"	28-5/8"	18-1/2"	180
3000 Series									
B67-869	NCP4183000B	1-1/2	13	3/8"	3/4"	24-1/8"	32"	18-1/2"	190
B67-873	NCP4243000B	2	13	3/8"	3/4"	24-1/8"	32"	18-1/2"	190
B67-877	NCP4303000B	2-1/2	12	3/8"	3/4"	24-1/8"	32"	18-1/2"	190
4000 Series									
B67-870	NCP4184000B	1-1/2	12.5	3/8"	3/4"	30"	23"	22-1/2"	180
B67-874	NCP4244000B	2	12.5	3/8"	3/4"	30"	23"	22-1/2"	180
5000 Series									
B67-871	NCP4185000B	1-1/2	13.5	3/8"	3/4"	26-7/8"	38-7/8"	18-1/2"	180
B67-875	NCP4245000B	2	14	3/8"	3/4"	26-7/8"	38-7/8"	18-1/2"	180
B67-878	NCP4305000B	2-1/2	14	3/8"	3/4"	26-7/8"	38-7/8"	18-1/2"	180

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FIRST-PAK GAS



Thru-The-Wall Package Systems

First-Pak Series, Gas Heat, 11.7 SEER2, R410A

- Self-contained packaged units with 80% AFUE gas heat and electric cooling
- 9,000 through 30,000 BtuH Cooling Capacity
- Up to 60,000 BtuH Heating Capacity
- Pre-wired and pre-charged from factory
- High efficiency R410A compressor
- Stainless steel heat exchanger
- Slide out cooling chassis and heating assembly
- Adjustable TXV
- Dual inlet blower with blower collar locking mechanism
- Double isolated compressor plate
- Warranty: 20-years on Heat Exchanger / 5-years on parts

Order #	Mfg. #	Type	Volts	BtuH Cooling	BtuH Heating	EER	Air Delivery CFM	Width	Height	Depth	Wt. Lbs.
Package Systems											
B67-930	FPG20N8012C2A00F	Gas Heat	208/230	12,000	16,200	10.5	460	27-7/8"	43-1/4"	31-3/8"	315
B67-931	FPG30N8012C2A00F	Gas Heat	208/230	12,000	24,300	10.5	460	27-7/8"	43-1/4"	31-3/8"	266
B67-932	FPG40N8012C2A00F	Gas Heat	208/230	12,000	32,400	10.5	460	27-7/8"	43-1/4"	31-3/8"	268
B67-933	FPG20N8018C2A00F	Gas Heat	208/230	16,500	16,200	10	650	27-7/8"	43-1/4"	31-3/8"	288
B67-934	FPG30N8018C2A00F	Gas Heat	208/230	16,500	24,300	10	650	27-7/8"	43-1/4"	31-3/8"	290
B67-935	FPG40N8018C2A00F	Gas Heat	208/230	16,500	32,400	10	650	27-7/8"	43-1/4"	31-3/8"	297
B67-936	FPG50N8018C2A00F	Gas Heat	208/230	16,500	40,500	10	650	27-7/8"	43-1/4"	31-3/8"	299
B67-937	FPG60N8018C2A00F	Gas Heat	208/230	16,500	48,600	10	650	27-7/8"	43-1/4"	31-3/8"	301
B67-938	FPG30N8024C2A00F	Gas Heat	208/230	22,000	24,300	10	790	27-7/8"	43-1/4"	31-3/8"	315
B67-939	FPG40N8024C2A00F	Gas Heat	208/230	22,000	32,400	10	790	27-7/8"	43-1/4"	31-3/8"	317
B67-940	FPG50N8024C2A00F	Gas Heat	208/230	22,000	40,500	10	790	27-7/8"	43-1/4"	31-3/8"	319
B67-941	FPG60N8024C2A00F	Gas Heat	208/230	22,000	48,600	10	790	27-7/8"	43-1/4"	31-3/8"	321
B67-942	FPG40N8030C2A00F	Gas Heat	208/230	26,000	32,400	9	920	27-7/8"	43-1/4"	31-3/8"	331
B67-943	FPG50N8030C2A00F	Gas Heat	208/230	26,000	40,500	9	920	27-7/8"	43-1/4"	31-3/8"	333
B67-944	FPG60N8030C2A00F	Gas Heat	208/230	26,000	48,600	9	920	27-7/8"	43-1/4"	31-3/8"	335

FIRST-PAK GAS



Thru-The-Wall Package Systems

◀ NEW

First-Pak Series, Gas Heat, 11.7 SEER2, R410A

- Self-contained packaged units with 96% AFUE gas heat and electric cooling
- 12,000 through 26,000 BtuH Cooling Capacity
- Up to 55,000 BtuH Heating Capacity
- Pre-wired and pre-charged from factory
- High efficiency R410A compressor
- Stainless steel heat exchanger
- Slide out cooling chassis and heating assembly
- Adjustable TXV
- Dual inlet blower with blower collar locking mechanism
- Double isolated compressor plate
- Warranty: 20 years limited on Heat Exchanger / 5 years limited on parts

Order #	Mfg. #	Nom. Tons	Width	Height	Depth	Wt. Lbs.
Package Systems						
B67-959 ◀	FPG44N9012C2A00F	1	27-7/8"	43-3/16"	31-1/2"	275
B67-960 ◀	FPG22N9018C2A00F	1-1/2	27-7/8"	43-3/16"	31-1/2"	300
B67-961 ◀	FPG33N9018C2A00F	1-1/2	27-7/8"	43-3/16"	31-1/2"	302
B67-962 ◀	FPG44N9018C2A00F	1-1/2	27-7/8"	43-3/16"	31-1/2"	304
B67-963 ◀	FPG55N9018C2A00F	1-1/2	27-7/8"	43-3/16"	31-1/2"	306
B67-964 ◀	FPG33N9024C2A00F	2	27-7/8"	43-3/16"	31-1/2"	322
B67-965 ◀	FPG44N9024C2A00F	2	27-7/8"	43-3/16"	31-1/2"	324
B67-966 ◀	FPG55N9024C2A00F	2	27-7/8"	43-3/16"	31-1/2"	326
B67-967 ◀	FPG44N9030C2A00F	2-1/2	27-7/8"	43-3/16"	31-1/2"	338
B67-968 ◀	FPG55N9030C2A00F	2-1/2	27-7/8"	43-3/16"	31-1/2"	340

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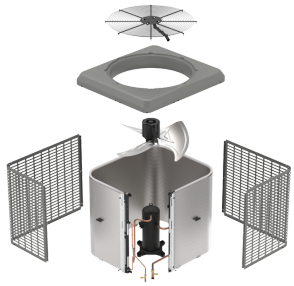

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Thru-The-Wall Air Conditioning Units

Eco Series Cool-Pak, Cooling with Electric Heat, 11.7 SEER2, R410A

- 3/4 to 2-1/2 ton units
- 9,000 through 30,000 BtuH Cooling Capacity
- 3-10 kW electric heat
- Pre-wired and pre-charged from factory
- Insulated compartment
- ECM indoor blower and outdoor fan motor
- Single-stage scroll and rotary compressors
- Corrosion resistant drain pan
- Make up air vent allows for 50 CFM of ventilation air
- 208/230V



Order #	Mfg. #	Nom. Tons	Width	Height	Depth	Wt. Lbs.
3kW Heating						
B67-969	ECE09203B00A000F	3/4	24"	24"	60"	185
B67-970	ECE12203B00A000F	1	24"	24"	60"	185
B67-972	ECE18203B00A000F	1-1/2	24"	24"	60"	200
5kW Heating						
B67-971	ECE12205B00A000F	1	24"	24"	60"	185
B67-973	ECE18205B00A000F	1-1/2	24"	24"	60"	200
B67-974	ECE24205B00B000F	2	24"	30"	60"	200
B67-975	ECE30205B00B000F	2-1/2	24"	30"	60"	200
7kW Heating						
B67-976	ECE18207B00A000F	1-1/2	24"	24"	60"	200
B67-978	ECE24207B00B000F	2	24"	30"	60"	200
B67-980	ECE30207B00B000F	2-1/2	24"	30"	60"	220
10kW Heating						
B67-977	ECE18210B00A000F	1-1/2	24"	24"	60"	200
B67-979	ECE24210B00B000F	2	24"	30"	60"	200
B67-981	ECE30210B00B000F	2-1/2	24"	30"	60"	220

Thru-The-Wall Heat Pumps

Eco Series Cool-Pack, Heat Pumps with Electric Heat, 11.9 SEER2, 6.3 HSPF2, R410A

- 3/4 to 2-1/2 ton units
- 9,000 through 30,000 BtuH Cooling Capacity
- 3-10 kW electric heat
- Pre-wired and pre-charged from factory
- Insulated compartment
- ECM indoor blower and outdoor fan motor
- Single-stage scroll and rotary compressors
- Corrosion resistant drain pan
- Make up air vent allows for 50 CFM of ventilation air
- Standard one pull out service switch and one terminal block
- 208/230V



Order #	Mfg. #	Nom. Tons	Width	Height	Depth	Wt. Lbs.
3kW Heating						
B67-982	EHE09203B00A000F	3/4	24"	24"	60"	200
B67-983	EHE12203B00A000F	1	24"	24"	60"	200
B67-985	EHE18203B00A000F	1-1/2	24"	24"	60"	200
5kW Heating						
B67-984	EHE12205B00A000F	1	24"	24"	60"	200
B67-986	EHE18205B00A000F	1-1/2	24"	24"	60"	200
B67-987	EHE24205B00B000F	2	24"	30"	60"	200
B67-988	EHE30205B00B000F	2-1/2	24"	30"	60"	200
7kW Heating						
B67-989	EHE18207B00A000F	1-1/2	24"	24"	60"	200
B67-991	EHE24207B00B000F	2	24"	30"	60"	200
B67-993	EHE30207B00B000F	2-1/2	24"	30"	60"	200
10kW Heating						
B67-990	EHE18210B00A000F	1-1/2	24"	24"	60"	200
B67-992	EHE24210B00B000F	2	24"	30"	60"	200
B67-994	EHE30210B00B000F	2-1/2	24"	30"	60"	200

Thru-The-Wall Packaged Air Conditioning Units

First-Pak Series, Cooling with Electric Heat, 11.7 SEER2, R410A



- 1 to 2-1/2 ton units
- 12,000 through 30,000 BTUH Cooling Capacity
- 5-15 kW electric heat
- Pre-wired and pre-charged from factory
- High efficiency scroll and rotary compressor
- Factory installed condensate float switch
- Dual inlet indoor blower
- Double isolated compressor mount
- Blower collar locking mechanism
- ECM indoor blower motor and outdoor fan motor
- 208/230V

Order #	Mfg. #	Volts	BtuH Cooling	BtuH Heating	EER	Air Delivery CFM	Width	Height	Depth	Wt. Lbs.
5kW Heating										
B67-916	FPE05E1012C2A00F	208/230	12,500	12,814	10.5	450	31-1/2"	44"	27-7/8"	273
B67-919	FPE05E1018C2A00F	208/230	17,000	12,814	10	630	31-1/2"	44"	27-7/8"	334
B67-922	FPE05E1024C2A00F	208/230	22,500	12,814	10	780	31-1/2"	44"	27-7/8"	345
B67-926	FPE05E1030C2A00F	208/230	26,500	12,814	9	920	31-1/2"	44"	27-7/8"	346
7kW Heating										
B67-917	FPE07E1012C2A00F	208/230	12,500	17,940	10.5	450	31-1/2"	44"	27-7/8"	275
B67-920	FPE07E1018C2A00F	208/230	17,000	17,940	10	630	31-1/2"	44"	27-7/8"	336
B67-923	FPE07E1024C2A00F	208/230	22,500	17,940	10	780	31-1/2"	44"	27-7/8"	346
B67-927	FPE07E1030C2A00F	208/230	26,500	17,940	9	920	31-1/2"	44"	27-7/8"	347
10kW Heating										
B67-918	FPE10E1012C2A00F	208/230	12,500	25,628	10.5	450	31-1/2"	44"	27-7/8"	275
B67-921	FPE10E1018C2A00F	208/230	17,000	25,628	10	630	31-1/2"	44"	27-7/8"	336
B67-924	FPE10E1024C2A00F	208/230	22,500	25,628	10	780	31-1/2"	44"	27-7/8"	346
B67-928	FPE10E1030C2A00F	208/230	26,500	25,628	9	920	31-1/2"	44"	27-7/8"	347
15kW Heating										
B67-925	FPE15E1024C2A00F	208/230	22,500	38,442	10	780	31-1/2"	44"	27-7/8"	349
B67-929	FPE15E1030C2A00F	208/230	26,500	38,442	9	920	31-1/2"	44"	27-7/8"	350

Thru-The-Wall Packaged Heat Pumps

First-Pak Series, Heat Pumps with Electric Heat, 11.9 SEER2, 6.3 HSPF2, R410A



- 1 to 2-1/2 ton units
- 12,000 through 30,000 BtuH Cooling Capacity
- 3-10 kW electric heat
- Pre-wired and pre-charged from factory
- Insulated chassis
- Blower collar locking mechanism
- ECM indoor blower motor and outdoor fan motor
- Double isolated compressor mount
- Two corrosion resistant drain pans
- Two TXVs
- Operated down to 5° F ambient temperature
- 208/230V

Order #	Mfg. #	Nom. Tons	Width	Height	Depth	Wt. Lbs.
3kW Heating						
B67-945	FPH03E1012C2A00F	1	27-7/8"	43-3/16"	31-1/2"	261
5kW Heating						
B67-946	FPH05E1012C2A00F	1	27-7/8"	43-3/16"	31-1/2"	261
B67-947	FPH05E1018C2A00F	1-1/2	27-7/8"	43-3/16"	31-1/2"	262
B67-948	FPH05E1024C2A00F	2	27-7/8"	43-3/16"	31-1/2"	299
B67-949	FPH05E1030C2A00F	2-1/2	27-7/8"	43-3/16"	31-1/2"	301
7kW Heating						
B67-950	FPH07E1012C2A00F	1	27-7/8"	43-3/16"	31-1/2"	301
B67-951	FPH07E1018C2A00F	1-1/2	27-7/8"	43-3/16"	31-1/2"	305
B67-952	FPH07E1024C2A00F	2	27-7/8"	43-3/16"	31-1/2"	306
B67-953	FPH07E1030C2A00F	2-1/2	27-7/8"	43-3/16"	31-1/2"	306
10kW Heating						
B67-954	FPH10E1018C2A00F	1-1/2	27-7/8"	43-3/16"	31-1/2"	306
B67-955	FPH10E1024C2A00F	2	27-7/8"	43-3/16"	31-1/2"	308
B67-956	FPH10E1030C2A00F	2-1/2	27-7/8"	43-3/16"	31-1/2"	308

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Thru-the-Wall Split Condensing Units

Single-Phase, 1 to 2-1/2 Tons, Up to 14 SEER, R410A

- High-efficiency scroll or reciprocating R410A compressor
- High pressure switch
- Propeller type fan
- Copper tube/aluminum fin coils
- Side panels fit inside the base pan to improve water containment on the sides of the cabinet
- Sloped base pan
- Plastic coated coil guard
- Brass service valves with sweat connections



A



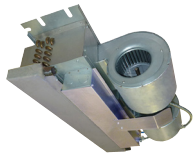
B

Fig.	Order #	Mfg. #	Nom. Tons	SEER	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
Air Conditioning Units											
A	**B61-444**	18WCX12-AB	1-1/2	12	—	3/8"	3/4"	24"	32"	19"	170
A	**B61-445**	18WCX12-BB	1-1/2	12	—	3/8"	3/4"	26"	28"	19"	165
A	**B61-446**	24WCX12-AB	2	12	—	3/8"	3/4"	24"	32"	19"	175
A	**B61-447**	24WCX12-BB	2	12	—	3/8"	3/4"	26"	28"	19"	175
A	**B61-448**	30WCXA12-AB	2.5	12	—	3/8"	3/4"	24"	32"	19"	180
A	**B61-449**	30WCXA12-BB	2-1/2	12	—	3/8"	3/4"	26"	28"	19"	180
B	**B63-652**	12WCX14-CB	1	14	15	3/8"	3/4"	29-1/2"	23"	22"	125
B	**B63-653**	18WCX14-CB	1-1/2	14	20	3/8"	3/4"	29-1/2"	23"	22"	134
B	**B63-654**	24WCX14-CB	2	14	25	3/8"	3/4"	29-1/2"	23"	22"	140

Ceiling Fan Coils

HX Series, Uncased, Horizontal Recessed, 1-1/2 To 3 Ton, 3 To 10kW

- Copper tube/aluminum coils
- Primary and secondary drains
- Sloped and insulated drain pan
- Factory installed electric heat
- 240V relay
- 24V transformer



Order #	Mfg. #	Nom. Tons	Nom. CFM	Rows	Volts	Conn. Size	Conn. Size HW	Drain Conn.	kW	Width	Height	Depth	Wt. Lbs.
L93-382	18HX5	1-1/2	600	3	240	5/8"	5/8"	3/4"	5	37-1/4"	10"	21"	58
L93-766	19HX3	1-1/2	600	4	240	5/8"	5/8"	3/4"	3	37-1/4"	10"	21"	60
L93-383	19HX5	1-1/2	600	4	240	5/8"	5/8"	3/4"	5	37-1/4"	10"	21"	60
L93-384	24HX5	2	800	4	240	5/8"	5/8"	3/4"	5	37-1/4"	10"	21"	63
L93-385	25HX5	2	800	4	240	7/8"	7/8"	3/4"	5	43-1/4"	10"	21"	70
L93-386	25HX6	2	800	4	240	7/8"	7/8"	3/4"	6	43-1/4"	10"	21"	70
L93-387	30HX5	2-1/2	1,000	4	240	7/8"	7/8"	3/4"	5	43-1/4"	10"	21"	71
L93-388	30HX8	2-1/2	1,000	4	240	7/8"	7/8"	3/4"	8	43-1/4"	10"	21"	71
L94-154	31HX8	2-1/2	1,000	4	240	7/8"	7/8"	3/4"	8	49-1/4"	10"	21"	85
L93-390	31HX10	2-1/2	1,000	4	240	7/8"	7/8"	3/4"	10	49-1/4"	10"	21"	85
L93-391	36HX5	3	1,200	4	240	7/8"	7/8"	3/4"	5	49-1/4"	10"	21"	85
L93-392	36HX8	3	1,200	4	240	7/8"	7/8"	3/4"	8	49-1/4"	10"	21"	85
L93-393	36HX10	3	1,200	4	240	7/8"	7/8"	3/4"	10	21"	10"	49"	82
L93-395	37HX10	3	1,200	4	240	7/8"	7/8"	3/4"	10	56-1/4"	10"	21"	95
L94-155	37HX8	3	1,200	4	240	7/8"	7/8"	3/4"	8	56-1/4"	10"	21"	95

MOTOR FINDER

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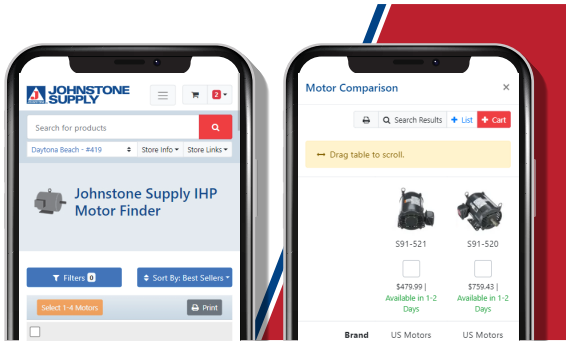

Ceiling Fan Coils

CDX-HW Series, Uncased, Horizontal Recessed, 1-1/2 To 3 Ton, Hot Water



- Copper tube/aluminum coils
- Two speed fan operation
- Sloped and insulated drain pan
- Electrical service switch
- Factory installed freeze protector
- Manual air bleed port
- Piston type metering device
- 120V relay
- 24V transformer

Order #	Mfg. #	Nom. Tons	Nom. CFM	Rows	Volts	Conn. Size	Conn. Size HW	Drain Conn.	Width	Height	Depth	Wt. Lbs.
L93-408	18CDX-HW	1-1/2	720	3	120	5/8"	5/8"	3/4"	21"	10"	38"	62
L93-409	19CDX-HW	1-1/2	710	3	120	5/8"	5/8"	3/4"	21"	10"	38"	62
L93-410	24CDX-HW	2	860	4	120	5/8"	5/8"	3/4"	21"	10"	44"	73
L93-411	25CDX-HW	2	880	4	120	5/8"	5/8"	3/4"	21"	10"	44"	73
L93-412	30CDX-HW	2-1/2	1,050	4	120	5/8"	5/8"	3/4"	21"	10"	50"	77
L93-413	31CDX-HW	2-1/2	1,100	4	120	7/8"	5/8"	3/4"	21"	10"	50"	77
L93-414	37CDX-HW	3	1,310	4	120	7/8"	5/8"	3/4"	21"	10"	57"	101

Ceiling Fan Coils

CDXQ Series, Uncased, Horizontal Recessed, 1-1/2 To 3 Ton



- Copper tube Heating/Cooling Coils
- Two speed fan operation
- Factory installed circulating pump
- Sloped and insulated drain pan
- Electrical service switch
- Factory installed freeze protector
- Manual air bleed port
- Piston type metering device
- 120V relay
- 24V transformer
- TXV Models come with factory installed Thermostatic Expansion Valves

Order #	Mfg. #	Nom. Tons	Nom. CFM	Rows	Volts	Conn. Size	Conn. Size HW	Drain Conn.	Width	Height	Depth	Wt. Lbs.
Piston Models												
L93-415	18CDXQ	1-1/2	720	3	120	5/8"	5/8"	3/4"	45-1/8"	10"	21"	74
L93-416	19CDXQ	1-1/2	710	3	120	5/8"	5/8"	3/4"	45-1/8"	10"	21"	74
L93-417	24CDXQ	2	860	4	120	5/8"	5/8"	3/4"	51-1/8"	10"	21"	82
L93-418	25CDXQ	2	880	4	120	5/8"	5/8"	3/4"	51-1/8"	10"	21"	82
L93-419	30CDXQ	2-1/2	1,050	4	120	7/8"	5/8"	3/4"	57-1/8"	10"	21"	103
L93-420	31CDXQ	2-1/2	1,100	4	120	7/8"	5/8"	3/4"	57-1/8"	10"	21"	103
L93-421	37CDXQ	3	1,310	4	120	7/8"	5/8"	3/4"	64-1/8"	10"	21"	103
TXV Models												
L94-156	18CDXQ-R410-TXV-FR	1-1/2	720	3	120	5/8"	5/8"	3/4"	45-1/8"	10"	21"	74
L94-157	24CDXQ-R410-TXV-FR	2	860	3	120	5/8"	5/8"	3/4"	51-1/8"	10"	21"	82
L94-158	25CDXQ-R410-TXV-FR	2	880	4	120	5/8"	5/8"	3/4"	51-1/8"	10"	21"	82
L94-159	30CDXQ-R410-TXV-FR	2-1/2	1,050	4	120	7/8"	5/8"	3/4"	57-1/8"	10"	21"	103
L94-160	31CDXQ-R410-TXV-FR	2-1/2	1,100	4	120	7/8"	5/8"	3/4"	57-1/8"	10"	21"	103
L94-161	37CDXQ-R410-TXV-FR	3	1,310	4	120	7/8"	5/8"	3/4"	64-1/8"	10"	21"	103

Ceiling Fan Coils

HBC Series, Uncased, Horizontal Concealed, 3/4 To 3 Ton



- Copper tube/aluminum coils
- Standard PSC motor
- Sloped and insulated drain pan
- 24V transformer

Order #	Mfg. #	Nom. Tons	Nom. CFM	Rows	Volts	Conn. Size	Conn. Size CW	Conn. Size HW	Drain Conn.	Width	Height	Depth	Wt. Lbs.
Left Hand Models													
L93-396	3HBC3-LH	3/4	300	3	120	5/8"	5/8"	5/8"	3/4"	30-1/8"	10"	21-1/2"	39
L93-398	4HBC3-LH	1	400	3	120	5/8"	5/8"	5/8"	3/4"	36-1/8"	10"	21-1/2"	48
L93-400	6HBC3-LH	1-1/2	600	3	120	5/8"	5/8"	5/8"	3/4"	40-1/8"	10"	21-1/2"	54
L93-402	8HBC3-LH	2	800	3	120	5/8"	5/8"	5/8"	3/4"	46-1/8"	10"	21-1/2"	57
L93-404	10HBC3-LH	2-1/2	1,000	3	120	5/8"	5/8"	5/8"	3/4"	52-1/8"	10"	21-1/2"	67
L93-406	13HBC3-LH	3	1,300	3	120	5/8"	5/8"	5/8"	3/4"	59-1/8"	10"	21-1/2"	87
Right Hand Models													
L93-397	3HBC3-RH	3/4	300	3	120	5/8"	5/8"	5/8"	3/4"	30-1/8"	10"	21-1/2"	39
L93-399	4HBC3-RH	1	400	3	120	5/8"	5/8"	5/8"	3/4"	36-1/8"	10"	21-1/2"	48
L93-401	6HBC3-RH	1-1/2	600	3	120	5/8"	5/8"	5/8"	3/4"	40-1/8"	10"	21-1/2"	54
L93-403	8HBC3-RH	2	800	3	120	5/8"	5/8"	5/8"	3/4"	46-1/8"	10"	21-1/2"	57
L93-405	10HBC3-RH	2-1/2	1,000	3	120	5/8"	5/8"	5/8"	3/4"	52-1/8"	10"	21-1/2"	66
L93-407	13HBC3-RH	3	1,300	3	120	5/8"	5/8"	5/8"	3/4"	59-1/8"	10"	21-1/2"	87

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Single-Piece Air Handlers

HBQB Series, Upflow/Horizontal Cooling or Heat Pump/Hot Water Heating, 1-1/2 To 5 Ton

- Copper tube/aluminum fin heating and cooling coils
- Primary and secondary drains
- Factory installed filter
- Automatic pump timer
- Blower-on delay
- Blower-off delay
- 4-way airflow (kit required for counterflow - 60HBQB not approved for counterflow installation
- 120/24V relay/transformer



Order #	Mfg. #	Nom. Tons	Nom. CFM	CFM @ 0.5" ESP	CFM High @ 0.3 ESP	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
L93-428	18HBQB	1-1/2	810	810	650	5	15	3/8"	5/8"	20"	40"	18-1/2"	130
L93-429	24HBQB	2	950	950	790	7	15	3/8"	5/8"	20"	40"	20"	130
L93-430	30HBQB	2-1/2	1,120	1,120	995	7	15	3/8"	3/4"	20"	42"	23"	145
L93-431	36HBQB	3	1,340	1,340	1,190	12	15	3/8"	3/4"	20"	42"	23"	147
L93-432	48HBQB	4	1,810	1,810	1,660	14	15	1/2"	7/8"	21-1/4"	48"	26-1/4"	212
L93-433	60HBQB	5	2,160	2,160	1,980	16	20	1/2"	7/8"	25-1/4"	52"	26-1/2"	270

Single-Piece Air Handlers

HBXB-HW Series, Upflow/Horizontal Cooling or Heat Pump/Hot Water Heat, 1-1/2 To 5 Ton

- Copper tube heating and cooling coils
- Primary and secondary drains
- Blower delay
- Extra high efficiency "A" coil
- Factory installed filter
- Two-speed fan operation
- Piston-type metering device
- Convertible horizontal drain pan
- Slide out hot water coil assembly
- Blower door switch (except 60HBXB-HW)
- 120/24V relay/transformer



Order #	Mfg. #	Nom. Tons	Nom. CFM	CFM @ 0.5" ESP	CFM High @ 0.3 ESP	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
L93-422	18HBXB-HW	1-1/2	810	810	650	3.5	15	3/8"	5/8"	20"	40"	20"	130
L93-423	24HBXB-HW	2	950	950	790	6.38	15	3/8"	5/8"	20"	40"	20"	135
L93-424	30HBXB-HW	2-1/2	1,120	1,120	995	6.38	15	3/8"	3/4"	20"	42"	20"	150
L93-425	36HBXB-HW	3	1,340	1,340	1,190	10.63	15	3/8"	3/4"	20"	42"	20"	152
L93-427	60HBXB-HW	5	2,160	2,160	1,980	14.38	15	1/2"	7/8"	25-1/4"	52"	28"	270

Single-Piece Air Handlers

VHBXB-HW Series, Variable-Speed, Cooling/Hot Water Heating, 1-1/2 To 5 Ton

- Copper tube heating and cooling coils
- Primary and secondary drains
- Blower delay
- High-efficiency "A" coil
- Factory installed TXV & filter
- Variable-speed motor
- Convertible horizontal drain pan
- Slide out hot water coil assembly
- Blower door switch (except 60HBXB-HW)
- 120/24V relay/transformer



Order #	Mfg. #	Nom. Tons	Nom. CFM	CFM @ 0.5" ESP	CFM High @ 0.3 ESP	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
L93-434	24VHBXB-HW	1-1/2-2	800	800	800	6	15	3/8"	5/8"	20"	40"	20"	145
L93-435	36VHBXB-HW	2-1/2-3	1,200	1,200	1,200	9.1	15	3/8"	3/4"	23"	42"	20"	165
L93-436	48VHBXB-HW	3-1/2-4	1,600	1,600	1,600	13.1	15	1/2"	7/8"	28"	48"	21-1/4"	225
L93-437	60VHBXB-HW	5	2,000	2,000	2,000	14.4	15	1/2"	7/8"	28"	52"	25-1/4"	285

WILLIAMS

High-Performance Fan Coils



A



B

- Four-pipe system configuration
- Constructed of heavy-duty, galvanized steel
- Direct-drive, 115V, three-speed motor
- Right-hand coil connections with SWT connectors
- Manual air-vents on water coils
- Insulated condensate drain pan with primary and secondary drain connections
- DX coil includes distributor and nozzle (TXV not included)

Fig.	Order #	Mfg. #	Nom. Tons	Nom. CFM	Rows	Conn. Size CW	Conn. Size HW	Optional Piping Package	Width	Height	Depth	Wt. Lbs.
Chilled and Hot Water Coils												
A	**B95-732**	V006W4B311R000	1-1/2	600	3/1	1/2"	1/2"	P-3 or P-4	21"	43"	20"	121
A	**B95-733**	V010W4B411R000	2-1/2	1,000	4/1	3/4"	1/2"	P-7 or P-8	25"	46"	20"	146
B	**B95-734**	C018W4B411R000	4-1/2	1,800	4/1	3/4"	1/2"	P-7 or P-8	61-1/2"	18-1/2"	31-3/4"	255
DX Cooling and Hot Water Coils												
A	**B95-735**	V006DHB311R000	1-1/2	600	3/1	1/2"	1/2"	P-1 or P-2	21"	43"	20"	121
A	**B95-736**	V010DHB411R000	2-1/2	1,000	4/1	3/4"	1/2"	P-1 or P-2	25"	46"	20"	146
B	**B95-737**	C018DHB411R000	4-1/2	1,800	4/1	3/4"	1/2"	P-1 or P-2	61-1/2"	18-1/2"	31-3/4"	255

WILLIAMS

Wall-Mounted Fan Coils



- 4 -pipe system configuration
- Soft-white epoxy powder-coat finish
- Direct-drive, three-speed motor
- Right-hand coil connection with SWT connectors
- Manual air-vents on water coils
- Insulated condensate drain pan
- DX coil includes distributor and nozzle (TXV not included)
- 115V

Order #	Mfg. #	Nom. Tons	Nom. CFM	Rows	Conn. Size CW	Conn. Size HW	Optional Piping Package	Width	Height	Depth	Wt. Lbs.
Chilled or Hot Water Coils Only											
B95-726	L004W4M311R000	1	400	3/1	1/2"	1/2"	P-3 or P-4	52-1/8"	26-1/2"	11-1/4"	195
B95-727	L008W4M311R000	2	800	3/1	3/4"	1/2"	P-7 or P-8	57-3/4"	30-1/8"	12-1/4"	253
DX with Hot Water Coils											
B95-728	L004DHM311R000	1	400	3/1	1/2"	1/2"	P-1 or P-2	52-1/8"	26-1/2"	11-1/4"	195
B95-729	L008DHM311R000	2	800	3/1	3/4"	1/2"	P-1 or P-2	57-3/4"	30-1/8"	12-1/4"	253

WILLIAMS

Horizontal Fan Coils



- Ceiling-mount installation
- Two or four-pipe system configurations
- Constructed of heavy-duty, galvanized steel
- Direct-drive, three-speed motor
- Copper tube — aluminum fin coil construction
- Right-hand coil connection with SWT piping connection
- Manual air-vents on water coils
- Insulated condensate drain pan with primary and secondary drain connections

Order #	Mfg. #	Nom. Tons	Nom. CFM	Rows	Volts	Conn. Size	Conn. Size CW	Conn. Size HW	Optional Piping Package	kW	Width	Height	Depth	Wt. Lbs.
Chilled or Hot Water Coils Only														
B95-710	H004W2B301R000	1	400	3	115	1/2"	1/2"	—	P-1 or P-2	—	33"	9-1/2"	21-3/4"	90
B95-711	H006W2B301R000	1-1/2	600	3	115	1/2"	1/2"	—	P-1 or P-2	—	39"	9-1/2"	21-3/4"	117
B95-712	H008W2B301R000	2	800	3	115	3/4"	3/4"	—	P-5 or P-6	—	39"	10-5/8"	22-1/4"	130
B95-713	H010W2B301R000	2-1/2	1,000	3	115	3/4"	1/2"	—	P-5 or P-6	—	51"	10-5/8"	22-1/4"	150
Chilled and Hot Water Coils														
B95-714	H006W4B311R000	1-1/2	600	3/1	115	1/2"	1/2"	1/2"	P-3 or P-4	—	39"	9-1/2"	21-3/4"	117
B95-715	H008W4B311R000	2	800	3/1	115	3/4"	3/4"	3/4"	P-7 or P-8	—	39"	10-5/8"	22-1/4"	130
B95-716	H010W4B311R000	2-1/2	1,000	3/1	115	—	1/2"	3/4"	P-7 or P-8	—	51"	10-5/8"	22-1/4"	150
DX with Hot Water Coils														
B95-717	H008DHB311R000	2	800	3/1	115	—	3/4"	1/2"	P-1 or P-2	—	39"	10-5/8"	22-1/4"	130
B95-718	H006DHB312R000	1-1/2	600	3/1	208	1/2"	1/2"	1/2"	P-9 or P-10	—	39"	9-1/2"	21-3/4"	117
B95-719	H008DHB312R000	2	800	3/1	208	—	3/4"	1/2"	P-9 or P-10	—	39"	10-5/8"	22-1/4"	130
DX with Electric Heat														
B95-720	H004DXB301R031	1	400	3	115	1/2"	1/2"	—	—	3	33"	9-1/2"	21-3/4"	90
B95-721	H006DXB301R031	1-1/2	600	3	115	1/2"	1/2"	—	—	5	39"	9-1/2"	21-3/4"	117
B95-722	H004DXB302R032	1	400	3	208	1/2"	1/2"	—	—	3	33"	9-1/2"	21-3/4"	90
B95-723	H006DXB302R052	1-1/2	600	3	208	1/2"	1/2"	—	—	5	39"	9-1/2"	21-3/4"	117
B95-724	H008DXB302R072	2	800	3	208	3/4"	3/4"	—	—	8	39"	10-5/8"	22-1/4"	130
B95-725	H010DXB302R072	2-1/2	1,000	3	208	3/4"	3/4"	—	—	9	51"	10-5/8"	22-1/4"	150

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Mini-Split Selector

Quick • Accurate • Easy

Quick

Real-time pricing and availability

Accurate

Single-zone or multi-zone system matches

Easy

Effortless indoor style selection and identification



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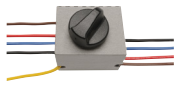
WILLIAMS

Fan Coil Installation Accessories



A


B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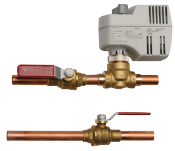
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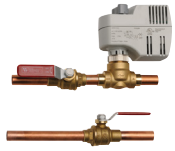
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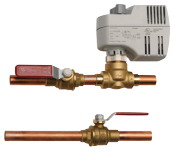
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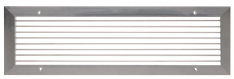
H


I

Fig.	Order #	Mfg. #	For Use With	Description
A	**L40-505**	P600114	Horizontal and Wall-Mounted Fan Coil Units	Three-Speed Switch
B	**L40-507**	P600308	Horizontal and High Performance Fan Coil Units	Automatic Thermostat, Three-Speed Switch, On/Off
C	**L40-508**	P600846	High Perfomance Fan Coil Units	Three-Speed Switch
D	**L40-510**	P603102	Wall-Mounted Fan Coil Units	Automatic Thermostat, Three-Speed with On/Off
E	**L40-512**	P-1	All Fan Coil Units	1/2" Two-Way 30 PSI Valve Body and 115V Valve Actuator with Two Ball Valves
E	**L40-517**	P-5	Horizontal Fan Coil Units	3/4" Two-Way 30 PSI Valve Body and 115V Valve Actuator with Two Ball Valves
E	**L40-522**	P-9	Horizontal Fan Coil Units	1/2" Two-Way 30 PSI Valve Body and 208V Valve Actuator with Two Ball Valves
F	**L40-514**	P-2	All Fan Coil Units	1/2" Three-Way 30 PSI Valve Body and 115V Valve Actuator with Two Ball Valves
F	**L40-516**	P-4	All Fan Coil Units	1/2" Three-Way 30 PSI Valve Body and 115V Valve Actuator with Four Ball Valves
F	**L40-521**	P-8	All Fan Coil Units	1/2" and 3/4" Three-Way 30 PSI Valve Body and 115V Valve Actuator with Four Ball Valves
G	**L40-515**	P-3	All Fan Coil Units	1/2" Two-Way 30 PSI Valve Body and 115V Valve Actuator with Four Ball Valves
G	**L40-520**	P-7	All Fan Coil Units	1/2" and 3/4" Two-Way 30 PSI Valve Body and 115V Valve Actuator with Four Ball Valves
H	**L40-518**	P-6	Horizontal Fan Coil Units	3/4" Three-Way 30 PSI Valve Body and 115V Valve Actuator with Two Ball Valves
H	**L40-513**	P-10	Horizontal Fan Coil Units	1/2" Three-Way 30 PSI Valve Body and 208V Valve Actuator with Two Ball Valves
I	**L40-519**	P604809	Horizontal and High Performance Fan Coil Units	Manual Thermostat, Three-Speed Switch, On/Off

WILLIAMS

Supply-Air Grilles and Return-Air Plenums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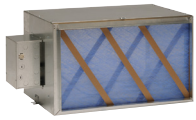
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Fig.	Order #	Mfg. #	For Use With	Description
A	**L97-206**	P604499	H10 Series	Single-Deflection, Supply-Air Grille
B	**L97-205**	P603358	H10 Series	Double-Deflection, Supply-Air Grille
C	**L99-214**	RAP.B04	H04 Series	Bottom Return-Air Plenum
C	**L99-215**	RAP.B06	H06 Series	Bottom Return-Air Plenum
C	**L99-216**	RAP.R04	H04 Series	Rear Return-Air Plenum
C	**L99-217**	RAP.R06	H06 Series	Rear Return-Air Plenum

Fig.	Order #	Mfg. #	For Use With	Description
C	**L97-184**	RAP.B08	H08 Series	Bottom Return-Air Plenum
C	**L97-185**	RAP.B10	H10 Series	Bottom Return-Air Plenum
C	**L97-187**	RAP.R08	H08 Series	Rear Return-Air Plenum
C	**L97-188**	RAP.R10	H10 Series	Rear Return-Air Plenum



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Ductless Mini-Split Systems

16 SEER, Single-Zone, Heat Pumps, R410A

- High power airflow through advanced 1,320 RPM DC motor
- Wall mounted
- Inverter-driven compressor
- Auto restart/reset
- Auto louver function
- Power diffuser
- Dry mode
- Economy mode
- Auto changeover from cooling to heating
- Wireless remote control standard
- 5-year parts, 7-year compressor warranty
- Line set and electrical cable not included
- Sold as complete indoor/outdoor system only
- 115V

Note: **Please visit www.JohnstoneSupply.com for new models


A


B

Fig.	Order #	Mfg. #	Style	BtuH Cooling	BtuH Heating	CFM High	Volts	Amps Cooling	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
System 9RL2															
A	**B73-678**	ASU9RL2	Wall Mounted	9,000	10,000	—	115	—	—	1/4"	3/8"	32-9/32"	10-5/16"	8-1/8"	16
B	**B73-679**	AOU9RL2	—	9,000	10,000	436	115	7.5	15	1/4"	3/8"	26"	21-1/4"	11-11/32"	64
System 12RL2															
A	**B73-680**	ASU12RL2	Wall Mounted	12,000	14,000	—	115	—	—	1/4"	3/8"	31-1/8"	10-13/16"	8-1/2"	16
B	**B73-681**	AOU12RL2	—	12,000	14,000	436	115	10.9	20	1/4"	3/8"	31-1/8"	21-3/8"	11-1/2"	69

Ductless Mini-Split Systems

Up to 26.5 SEER, Single-Zone, Heat Pumps, R410A

- Ultra compact wall mounted
- Inverter-driven compressor
- Wireless remote control standard
- Dry mode
- Auto louver/louver up/down/left/right
- Auto restart/reset
- Moderate low ambient
- Remote Control Warranty 90 days
- Line set and electrical cable not included
- 208-230V
- 5-year parts, 7-year compressor standard warranty
- 10-year parts, 10-year compressor warranty when registered within 60 days of installation in a residence
- 12-year parts, 12-year compressor warranty when registered within 60 days of installation in a residence and installed by a Fujitsu Elite contractor

Note: **Please visit www.JohnstoneSupply.com for new models


A


B


C

Fig.	Order #	Mfg. #	Style	BtuH Cooling	BtuH Heating	CFM High	Volts	Amps Cooling	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	Energy Star
Single Zone Indoor Wall Mount Units																
A	**B64-663**	ASUH09LMAS	Wall Mounted	9,000	12,000	—	208/230	—	—	1/4"	3/8"	32-13/16"	10-5/8"	8-3/4"	22	—
A	**B64-664**	ASUH12LMAS	Wall Mounted	12,000	16,000	—	208/230	—	—	1/4"	3/8"	32-13/16"	10-5/8"	11-7/16"	22	—
A	**B64-860**	ASUH18LMAS	Wall Mounted	18,000	21,600	—	208/230	—	—	3/8"	5/8"	38-9/16"	11"	9-7/16"	29	—
A	**B71-565**	ASU18RLF	Wall Mounted	18,000	21,600	—	208/230	—	—	3/8"	5/8"	39-1/4"	12-5/8"	9"	31	—
A	**B64-862**	ASUH24LMAS	Wall Mounted	24,000	25,200	—	208/230	—	—	3/8"	5/8"	45-4/16"	13-6/16"	11"	36	—
A	**B71-566**	ASU24RLF	Wall Mounted	24,000	27,600	—	208/230	—	—	1/4"	5/8"	39-1/4"	12-5/8"	9"	31	—
A	**B78-983**	ASU30RLE	Wall Mounted	30,000	32,000	—	208/230	—	—	3/8"	5/8"	45-1/4"	13-3/8"	9"	40	—
Single Zone Outdoor Units																
B	**B62-760**	AOUH09LEAS1	—	9,000	10,900	789	208/230	3.4	15	1/4"	3/8"	19-11/16"	14-5/16"	19-5/16"	73	Y
B	**B65-638**	AOUH09LMAS1	—	9,000	12,000	954	208/230	6.4	20	1/4"	3/8"	31-7/16"	21-5/16"	11-7/16"	68	Y
B	**B65-457**	AOUH12LEAS1	—	12,000	12,000	789	208/230	6.4	15	1/4"	3/8"	19-11/16"	14-5/16"	19-5/16"	73	Y
B	**B65-639**	AOUH12LMAS1	—	12,000	14,500	1,065	208/230	6.9	20	1/4"	3/8"	31-7/16"	21-5/16"	11-7/16"	71	Y
B	**B64-861**	AOUH18LMAS1	—	18,000	21,600	1,683	208/230	6.2	20	3/8"	5/8"	37"	31"	12-5/8"	53	Y
B	**B64-863**	AOUH24LMAS1	—	24,000	25,200	1,936	208/230	7.8	20	3/8"	5/8"	37"	31"	12-5/8"	53	Y
Single Zone Extra Low Temp Heating Outdoor Units																
C	**B64-661**	AOUH09LMAH1	—	9,000	12,000	901	208/230	3	15	1/4"	3/8"	31-7/16"	21-5/16"	11-7/16"	73	Y
C	**B67-256**	AOUH12LMBH1	—	12,000	14,000	1,065	208/230	4.7	15	1/4"	3/8"	31-7/16"	21-5/16"	11-7/16"	73	Y
C	**B75-794**	AOU18RLXFWH	—	18,000	21,600	541	208/230	6.2	20	3/8"	5/8"	35-7/16"	32-11/16"	13"	135	Y
C	**B75-795**	AOU24RLXFWH	—	24,000	25,200	647	208/230	7.9	20	3/8"	5/8"	35-7/16"	32-11/16"	13"	135	Y
C	**B78-984**	AOU30RLXEH	—	30,000	32,000	812	208/230	10.6	30	3/8"	5/8"	35-3/8"	50-13/16"	13"	205	Y

FUJITSU



A



B

Ductless Mini-Split Systems

Up to 33.1 SEER, Single-Zone, Heat Pumps, R410A

- Indoor units are Wi-Fi compatible with field conversion kit **G38-226** (MFG. # UTY-TFSX1)
- Inverter-driven compressors
- High performance fan blades, condensers and evaporators
- Auto louver: 4-way and auto changeover
- Wireless remote control standard
- Sleep feature
- Auto mode, dry mode and quiet mode
- Economy mode
- Auto restart and reset
- Apple-catechin filter and ion deodorizing filter
- Weekly timer, 24-hour timer, & ESP
- Optional basic third party interface
- **B62-627**, **B62-630** and **B62-633** operate down to -15° F
- 208/230V
- 5-year parts, 7-year compressor standard warranty
- 10-year parts, 10-year compressor warranty when registered within 60 days of installation in a residence
- 12-year parts, 12-year compressor warranty when registered within 60 days of installation in a residence and installed by a Fujitsu Elite contractor

Fig.	Order #	Mfg. #	Style	BtuH Cooling	BtuH Heating	CFM High	Volts	Amps Cooling	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	Energy Star
Single-Zone Indoor Units																
A	**B64-790**	ASUG09LZBS	Wall Mounted	9,000	12,000	—	208/230	—	—	1/4"	3/8"	38-9/16"	11-1/16"	9-7/16"	29	—
A	**B64-791**	ASUG12LZBS	Wall Mounted	12,000	16,000	—	208/230	—	—	1/4"	3/8"	38-9/16"	11-1/16"	9-7/16"	29	—
A	**B64-792**	ASUG15LZBS	Wall Mounted	14,500	18,000	—	208/230	—	—	1/4"	1/2"	38-9/16"	11-1/16"	9-7/16"	29	—
Single-Zone Outdoor Units																
B	**B62-626**	AOUG09LZAS1	—	9,000	12,000	542	208/230	2.5	15	1/4"	3/8"	31-7/16"	24-7/8"	11-7/16"	84	Y
B	**B62-629**	AOUG12LZAS1	—	12,000	16,000	1,171	208/230	3.8	15	1/4"	3/8"	31-7/16"	24-7/8"	11-7/16"	84	Y
B	**B62-632**	AOUG15LZAS1	—	14,500	18,000	1,218	208/230	4.8	20	1/4"	1/2"	31-7/16"	24-7/8"	11-7/16"	86	Y
Single-Zone Extra Low Temp Heating Outdoor Units																
B	**B62-627**	AOUG09LZAH1	—	9,000	12,000	1,089	208/230	2.5	15	1/4"	3/8"	31-7/16"	24-7/8"	11-7/16"	86	Y
B	**B62-630**	AOUG12LZAH1	—	12,000	16,000	1,171	208/230	3.8	15	1/4"	3/8"	31-7/16"	24-7/8"	11-7/16"	86	Y
B	**B62-633**	AOUG15LZAH1	—	14,500	18,000	1,218	208/230	4.8	20	1/4"	1/2"	31-7/16"	24-7/8"	11-7/16"	88	Y

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Ductless Mini-Split Systems

Up to 26 SEER, Single and Multi-Zone, Heat Pumps, R410A

- Inverter system with variable-speed compressor
- 24-hour timer and auto restart/reset
- Auto changeover
- Dry, economy, auto, minimum heat and quiet modes
- Auto louver up/down
- Wall mount indoor units have a ion deodorizing and apple-catechin filter
- Multi-zone systems offer up to 5 zones
- Multi-zone systems offer long piping up to 377 feet
- **B65-052** and **B64-851** through **B64-853** require compact cassette grille, **B87-756** sold separately
- SEER depends on combination of indoor units selected
- Must be sold as a complete indoor/outdoor system
- See following pages for multi-zone allowable combinations
- 208/230V

Note: *Please visit www.JohnstoneSupply.com for new models


A


B


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D


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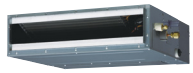
G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L


M

Fig.	Order #	Mfg. #	Style	BtuH Cooling	BtuH Heating	CFM High	Volts	Amps Cooling	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	Energy Star
Single-Zone Indoor Medium Static Ducted Units																
A	**B65-643**	ARUH12LUAS	Ducted	12,000	16,000	—	208/230	—	—	1/4"	3/8"	27-9/16"	11-13/16"	27-9/16"	66	Y
A	**B67-192**	ARUH18LUAS	Ducted	18,000	21,600	—	208/230	—	—	1/4"	1/2"	29-13/16"	16-9/16"	27-9/16"	90	—
A	**B67-193**	ARUH24LUAS	Ducted	24,000	27,000	—	208/230	—	—	3/8"	5/8"	29-13/16"	16-9/16"	27-9/16"	93	—
A	**B67-194**	ARUH30LUAS	Ducted	30,000	32,000	—	208/230	—	—	3/8"	5/8"	29-13/16"	16-9/16"	27-9/16"	93	—
A	**B67-195**	ARUH36LUAS	Ducted	36,000	38,000	—	208/230	—	—	3/8"	5/8"	55-1/8"	11-13/16"	27-9/16"	121	—
A	**B61-458**	ARU42RGLX	Ducted	42,000	47,000	—	208/230	—	—	3/8"	5/8"	55-1/8"	11-13/16"	27-9/16"	121	—
A	**B61-459**	ARU48RGLX	Ducted	48,000	53,000	—	208/230	—	—	3/8"	5/8"	55-1/8"	11-13/16"	27-9/16"	121	—
Single-Zone Indoor Multi-Position Air Handler Units																
B	**B63-315**	AMUG24LMAS	Air Handler	24,000	27,000	—	208/230	—	—	3/8"	5/8"	21"	42-8/16"	21-11/16"	104	—
B	**B63-316**	AMUG30LMAS	Air Handler	30,000	32,000	—	208/230	—	—	3/8"	5/8"	21"	42-8/16"	21-11/16"	104	—
B	**B63-317**	AMUG36LMAS	Air Handler	36,000	42,000	—	208/230	—	—	3/8"	5/8"	21"	57"	21-11/16"	132	—
B	**B63-318**	AMUG48LMAS	Air Handler	48,000	52,000	—	208/230	—	—	3/8"	5/8"	21"	57"	21-11/16"	132	—
Single-Zone Indoor Ceiling Suspended Units																
C	**B67-184**	ABUH18LUAS	Ceiling Mounted	18,000	21,600	—	208/230	—	—	1/4"	1/2"	42-1/2"	9-1/4"	27-3/4"	53	—
C	**B67-185**	ABUH24LUAS	Ceiling Mounted	24,000	27,000	—	208/230	—	—	3/8"	5/8"	54-3/4"	9-1/4"	27-3/4"	68	—
C	**B67-186**	ABUH30LUAS	Ceiling Mounted	30,000	32,000	—	208/230	—	—	3/8"	5/8"	54-3/4"	9-1/4"	27-3/4	139	—
C	**B67-187**	ABUH36LUAS	Ceiling Mounted	36,000	38,000	—	208/230	—	—	3/8"	5/8"	66-15/16"	9-1/4"	27-3/4"	84	—
Single-Zone Indoor Large Cassette Circular Flow Units																
D	**B67-188**	AUUH18LUAS	Cassette	18,000	15,100	—	208/230	—	—	1/4"	1/2"	33-1/16"	9-11/16"	33-1/16"	53	—
D	**B67-189**	AUUH24LUAS	Cassette	24,000	18,000	—	208/230	—	—	3/8"	5/8"	33-1/16"	9-11/16"	33-1/16"	53	—
D	**B67-190**	AUUH30LUAS	Cassette	30,000	32,000	—	208/230	—	—	3/8"	5/8"	33-1/16"	11-5/16"	33-1/16"	57	—
D	**B67-191**	AUUH36LUAS	Cassette	36,000	38,000	—	208/230	—	—	3/8"	5/8"	33-1/16"	11-5/16"	33-1/16"	57	—
D	**B61-181**	AUU42RGLX	Cassette	42,000	47,000	—	208/230	—	—	3/8"	5/8"	33-1/16"	11-5/16"	33-1/16"	64	—
D	**B62-003**	AUU48RGLX	Cassette	48,000	53,000	—	208/230	—	—	3/8"	5/8"	35-7/16"	11-5/16"	33-1/16"	64	—
Single and Multi-Zone Indoor Wall Mount Units																
E	**B65-050**	ASUH07LPAS	Wall Mounted	7,000	7,000	—	208/230	—	—	1/4"	3/8"	32-13/16"	10-5/8"	8-3/4"	21	—
E	**B64-839**	ASUH09LPAS	Wall Mounted	9,000	10,000	—	208/230	—	—	1/4"	3/8"	32-13/16"	10-5/8"	8-3/4"	21	—
E	**B64-841**	ASUH12LPAS	Wall Mounted	12,000	14,000	—	208/230	—	—	1/4"	3/8"	32-13/16"	10-5/8"	8-3/4"	22	—
E	**B65-051**	ASUH15LPAS	Wall Mounted	15,000	15,000	—	208/230	—	—	1/4"	1/2"	32-13/16"	10-5/8"	8-3/4"	22	—
E	**B64-843**	ASUH18LPAS	Wall Mounted	18,000	18,000	—	208/230	—	—	1/4"	1/2"	38-9/16"	11"	9-7/16"	29	—
E	**B64-845**	ASUH24LPAS	Wall Mounted	24,000	24,000	—	208/230	—	—	1/4"	1/2"	38-9/16"	11"	9-7/16"	29	—
E	**B64-847**	ASUH30LPAS	Wall Mounted	30,000	30,000	—	208/230	—	—	3/8"	5/8"	45-1/4"	13-3/8"	11"	39	—
E	**B64-849**	ASUH36LPAS	Wall Mounted	33,000	34,000	—	208/230	—	—	3/8"	5/8"	45-1/4"	13-3/8"	11"	39	—
Single and Multi-Zone Indoor Floor Mount Units																
F	**B74-707**	AGU9RLF	Floor Mounted	9,000	12,000	—	208/230	—	—	1/4"	3/8"	29-1/8"	23-5/8"	7-7/8"	31	Y

continued on next page

Fig.	Order #	Mfg. #	Style	BtuH Cooling	BtuH Heating	CFM High	Volts	Amps Cooling	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	Energy Star
F	**B74-705**	AGU12RLF	Floor Mounted	12,000	16,000	—	208/230	—	—	1/4"	3/8"	29-1/8"	23-5/8"	7-7/8"	31	Y
F	**B74-706**	AGU15RLF	Floor Mounted	14,200	18,000	—	208/230	—	—	1/4"	1/2"	29-1/8"	23-5/8"	7-7/8"	31	Y
Single and Multi-Zone Indoor Compact Cassette Units																
G	**B65-052**	ACUH07LUAS1	Compact Ceiling Cassette	7,000	7,000	—	208/230	—	—	1/4"	3/8"	22-7/16"	9-5/8"	22-7/16"	33	—
G	**B64-851**	ACUH09LUAS1	Compact Ceiling Cassette	9,000	10,500	—	208/230	—	—	1/4"	3/8"	22-7/16"	9-5/8"	22-7/16"	33	—
G	**B64-852**	ACUH12LUAS1	Compact Ceiling Cassette	12,000	17,000	—	208/230	—	—	1/4"	3/8"	22-7/16"	9-5/8"	22-7/16"	33	—
G	**B64-853**	ACUH18LUAS1	Compact Ceiling Cassette	17,100	19,600	—	208/230	—	—	1/4"	1/2"	22-7/16"	9-5/8"	22-7/16"	33	—
Multi-Zone Indoor Slim Duct Units																
H	**B65-053**	ADUH07LUAS1	Ducted	7,000	7,000	—	208/230	—	—	1/4"	3/8"	27-9/16"	7-13/16"	24-7/16"	35	—
H	**B64-854**	ADUH09LUAS1	Ducted	9,000	7,400	—	208/230	—	—	1/4"	3/8"	27-9/16"	7-13/16"	24-7/16"	37	—
H	**B64-855**	ADUH12LUAS1	Ducted	12,000	10,500	—	208/230	—	—	1/4"	3/8"	27-9/16"	7-13/16"	24-7/16"	37	—
H	**B64-856**	ADUH18LUAS1	Ducted	18,000	14,400	—	208/230	—	—	1/4"	1/2"	35-7/16"	7-13/16"	24-7/16"	44	—
H	**B65-054**	ADUH24LUAS1	Ducted	24,000	24,000	—	208/230	—	—	1/4"	5/8"	43-5/16"	7-13/16"	24-7/16"	53	—
Single-Zone Outdoor Units																
I	**B64-840**	AOUH09LPAS1	—	9,000	10,000	959	208/230	3.5	15	1/4"	3/8"	26-1/8"	21-5/16"	11-7/16"	51	Y
I	**B64-842**	AOUH12LPAS1	—	12,000	14,000	989	208/230	4.9	15	1/4"	3/8"	26-1/8"	21-5/16"	11-7/16"	68	Y
I	**B64-844**	AOUH18LPAS1	—	18,000	18,000	530	208/230	6.7	15	1/4"	1/2"	31-7/16"	24-7/16"	11-7/16"	86	Y
I	**B64-846**	AOUH24LPAS1	—	24,000	24,000	642	208/230	11.4	20	1/4"	1/2"	31-7/16"	24-7/8"	11-7/16"	86	Y
I	**B64-848**	AOUH30LPAS1	—	30,000	30,000	2,187	208/230	13.4	30	3/8"	5/8"	37"	31"	12-5/8"	117	Y
I	**B64-850**	AOUH36LPAS1	—	33,000	34,000	2,187	208/230	17.8	30	3/8"	5/8"	37"	31"	12-5/8"	117	Y
Single-Zone Outdoor Units for Floor Mount Systems																
J	**B74-713**	AOU9RLFF	—	9,000	12,000	335	208/230	2.9	15	1/4"	3/8"	31-1/8"	24-7/16"	11-7/16"	84	Y
J	**B74-708**	AOU12RLFF	—	12,000	16,000	335	208/230	4.2	15	1/4"	3/8"	31-1/8"	24-7/16"	11-7/16"	84	Y
J	**B74-711**	AOU15RLFF	—	14,200	18,000	383	208/230	5.1	20	1/4"	1/2"	31-1/8"	24-7/16"	11-7/16"	86	Y
Single-Zone Outdoor Units for XLTH Floor Mount Systems																
K	**B74-714**	AOU9RLFFH	—	9,000	12,000	335	208/230	2.9	15	1/4"	3/8"	31-1/8"	24-7/16"	11-7/16"	86	Y
K	**B74-709**	AOU12RLFFH	—	12,000	16,000	335	208/230	4.2	15	1/4"	3/8"	31-1/8"	24-7/6"	11-7/16"	86	Y
K	**B74-712**	AOU15RLFFH	—	14,200	18,000	383	208/230	5.1	20	1/4"	1/2"	31-1/8"	24-7/16"	11-7/16"	86	Y
Single-Zone Outdoor Units for Cassette, Ducted, Multi-Position & Ceiling Suspended Systems																
L	**B64-857**	AOUH09LUAS1	—	9,000	12,000	906	208/230	4.6	15	1/4"	3/8"	31-7/16"	21-5/16"	11-7/16"	70	Y
L	**B64-858**	AOUH12LUAS1	—	12,000	16,000	1,171	208/230	6.4	15	1/4"	3/8"	31-7/16"	24-7/8"	11-7/16"	84	Y
L	**B64-859**	AOUH18LUAS1	—	18,000	21,600	1,395	208/230	8.1	20	1/4"	1/2"	31-7/16"	24-7/8"	11-7/16"	86	—
L	**B67-173**	AOUH24LUAS1	—	24,000	27,000	2,187	208/230	8.4	20	3/8"	5/8"	37"	31"	12-5/8"	117	Y
L	**B67-174**	AOUH30LUAS1	—	30,000	32,000	2301	208/230	11.3	25	3/8"	5/8"	37"	39-5/16"	12-5/8"	139	—
L	**B67-175**	AOUH36LUAS1	—	36,000	38,000	2,502	208/230	15.8	25	3/8"	5/8"	37"	39-5/16"	12-5/8"	139	—
L	**B63-319**	AOUG36LMAS1	—	36,000	38,000	2,590	208/230	20.1	40	3/8"	5/8"	38-3/16"	39-5/16"	14-9/16"	198	—
L	**B63-320**	AOUG48LMAS1	—	48,000	52,000	2,590	208/230	20.1	40	3/8"	5/8"	38-3/16"	39-5/16"	14-9/16"	198	—
L	**B61-452**	AOU48RGLX	—	48,000	53,000	4,061	208/230	20.9	30	3/8"	5/8"	35-7/16"	50-13/16"	13"	209	—
Single-Zone Outdoor Units for XLTH Multi-Position Systems																
M	**B65-640**	AOUH30LUAH1	—	30,000	32,000	2,590	208/230	10.7	35	3/8"	5/8"	38-3/16"	39-5/16"	14-9/16"	187	—
M	**B65-641**	AOUH36LMAH1	—	36,000	38,000	3,767	208/230	12.8	40	3/8"	5/8"	38-3/16"	52-1/2"	14-9/16"	236	—
M	**B65-642**	AOUH48LMAH1	—	48,000	51,000	4,297	208/230	22.2	45	3/8"	5/8"	38-3/16"	52-1/2"	14-9/16"	236	—
Multi-Zone Outdoor Units																
J	**B71-912**	AOU18RLXFZ	—	18,000	22,000	1,795	208/230	6.6	15	1/4"	3/8"	35-7/16"	27-9/16"	13"	119	—
J	**B71-913**	AOU24RLXFZ	—	22,000	24,000	1,942	208/230	9.1	20	1/4"	3/8" & 1/2"	35-7/16"	27-9/16"	13"	124	—
J	**B76-516**	AOU36RLXFZ1	—	35,200	36,400	695	208/230	17.1	30	1/4"	3/8" & 1/2"	35-7/16"	32-11/16"	13"	149	Y
J	**B78-873**	AOU45RLXFZ	—	45,000	48,000	2,472	208/230	20.1	30	1/4"	3/8" & 1/2"	38-3/16"	39-5/16"	14-9/16"	205	—
Multi-Zone XLTH Outdoor Units																
J	**B76-514**	AOU18RLXFZH	—	18,000	22,000	1,647	208/230	6.4	20	1/4"	3/8"	35-7/16"	32-11/16"	13"	134	Y
J	**B76-515**	AOU24RLXFZH	—	22,000	25,000	659	208/230	7.9	30	1/4"	3/8" & 1/2"	35-7/16"	32-11/16"	13"	146	Y
J	**B78-874**	AOU36RLXFZH	—	35,200	36,400	2,119	208/230	12.9	40	1/4"	3/8" & 1/2"	38-3/16"	39-5/16"	14-9/16"	205	—

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Select Your Mini-Split System with Confidence!

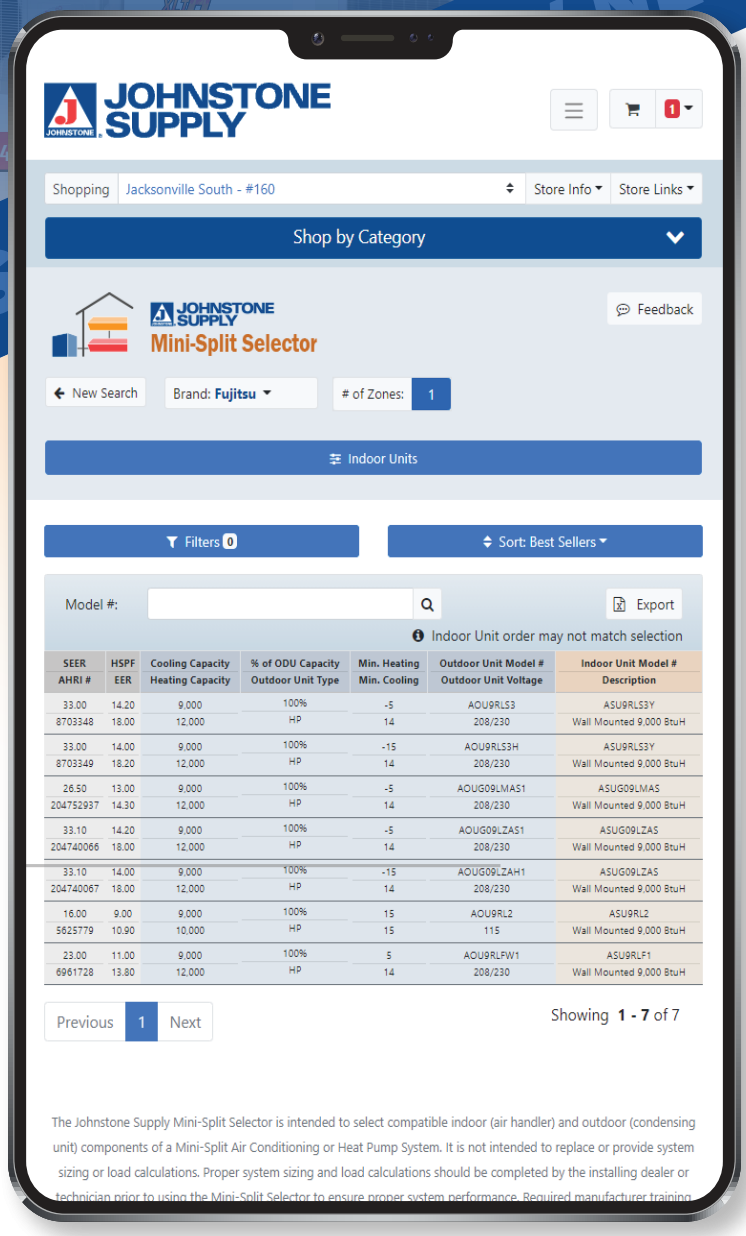
NEW PRODUCTS



AOU18RLXFZH

Connect 2 indoor units

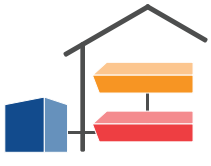
AOU18RLXFZ / AOU18RLXFZH		
ZONE 1	ZONE 2	TOTAL
7	7	14
7	9	16
7	12	
9	9	
9		



SEER / AHRI #	HSPF / EER	Cooling Capacity / Heating Capacity	% of ODU Capacity / Outdoor Unit Type	Min. Heating / Min. Cooling	Outdoor Unit Model # / Outdoor Unit Voltage	Indoor Unit Model # / Description
33.00 / 8703348	14.20 / 18.00	9,000 / 12,000	100% / HP	-5 / 14	AOU9RLS3 / 208/230	ASU9RLS3Y / Wall Mounted 9,000 BtuH
33.00 / 8703349	14.00 / 18.20	9,000 / 12,000	100% / HP	-15 / 14	AOU9RLS3H / 208/230	ASU9RLS3Y / Wall Mounted 9,000 BtuH
26.50 / 204752937	13.00 / 14.30	9,000 / 12,000	100% / HP	-5 / 14	AOUG09LMAS1 / 208/230	ASUG09LMAS / Wall Mounted 9,000 BtuH
33.10 / 204740066	14.20 / 18.00	9,000 / 12,000	100% / HP	-5 / 14	AOUG09LZAS1 / 208/230	ASUG09LZAS / Wall Mounted 9,000 BtuH
33.10 / 204740067	14.00 / 18.00	9,000 / 12,000	100% / HP	-15 / 14	AOUG09LZAH1 / 208/230	ASUG09LZAS / Wall Mounted 9,000 BtuH
16.00 / 5625779	9.00 / 10.90	9,000 / 10,000	100% / HP	15 / 15	AOU9RL2 / 115	ASU9RL2 / Wall Mounted 9,000 BtuH
23.00 / 6961728	11.00 / 13.80	9,000 / 12,000	100% / HP	5 / 14	AOU9RLFW1 / 208/230	ASU9RLF1 / Wall Mounted 9,000 BtuH

Johnstone Supply's Mini-Split Selector Tool allows you to accurately and quickly identify the best system match ups for your needs.

- **Research, build and order from tablet, phone or computer**
- **Weekly updates to models and compatibility**
- **Single zone or multi-zone**
- **Easy indoor style selection and identification**
- **Real-time pricing and availability**
- **AHRI certified matches**



Mini-Split Selector

Quick • Accurate • Easy

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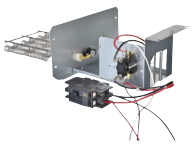
*Must have a Johnstone Supply account.

Single-Zone Multi Position Air Handler Heater Kits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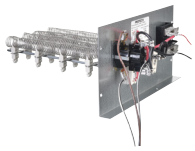
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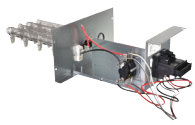
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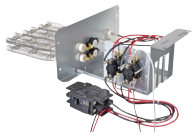
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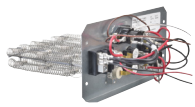
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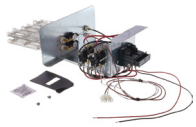
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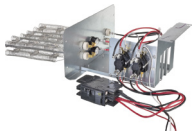
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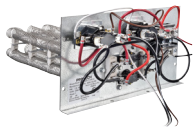
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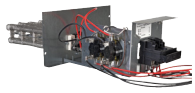
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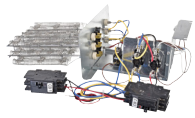

J

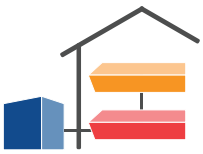
Fig.	Order #	Mfg. #	Description	For Use With
A	**L82-417**	RXBH-1724A03J-A	3 kW Electric Hit Kit, With Breaker	Fujitsu Equipment
A	**L82-418**	RXBH-1724A05J-A	5 kW Electric Hit Kit, With Breaker	Fujitsu Equipment
B	**L82-420**	RXBH-1724B05J-A	5 kW Electric Hit Kit, No Breaker	Fujitsu Equipment
C	**L82-422**	RXBH-1724C05J-A	5 kW Electric Hit Kit, Pull Out Disconnect	Fujitsu Equipment
D	**L82-419**	RXBH-1724A07J-A	7 kW Electric Hit Kit, With Breaker	Fujitsu Equipment
E	**L82-421**	RXBH-1724B07J-A	7 kW Electric Hit Kit, No Breaker	Fujitsu Equipment
F	**L82-423**	RXBH-1724C07J-A	7 kW Electric Hit Kit, Pull Out Disconnect	Fujitsu Equipment
G	**L82-424**	RXBH-1724A10J-A	10 kW Electric Hit Kit, With Breaker	Fujitsu Equipment
H	**L82-425**	RXBH-1724B10J-A	10 kW Electric Hit Kit, No Breaker	Fujitsu Equipment
I	**L82-426**	RXBH-1724C10J-A	10 kW Electric Hit Kit, Pull Out Disconnect	Fujitsu Equipment
J	**L82-427**	RXBH-1724A15J-A	15 kW Electric Hit Kit, With Breaker	Fujitsu Equipment

Compact Cassette Grilles


A


B

Fig.	Order #	Mfg. #	Description	For Use With
A	**B61-311**	UTG-GCGF	White RGLX Grille	B61-177, B61-178, B61-179, B61-180, B61-181
B	**B61-312**	UTG-LCGVCB	Black RGLX Grille	AUU18RGLX, AUU24RGLX, AUU30RGLX, AUU36R-GLX, AUU42RGLX
A	**B87-756**	UTG-CCGFGA	Compact Cassette Grille	ACUH09LUAS1, ACUH12LUAS1, ACUH18LUAS1



Mini-Split Selector

Quick • Accurate • Easy

Quick
Real-time pricing and availability

Accurate
Single-zone or multi-zone system matches

Easy
Effortless indoor style selection and identification

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Remote Controllers

- Residential and commercial applications
- Child lock capable
- Timer mode: ON/OFF/WEEKLY
- Set back timer
- Remote controller sensor
- Operating mode: COOL/HEAT/DRY/FAN/AUTO
- Temperature setting: 60°F–88°F
- Fan speed: HIGH/MED/LOW/AUTO
- Energy saving operation
- Air flow direction: horizontal/vertical
- **G35-193** is required to install **G35-191** for 9 and 12 RL models


A


B


C


D


E

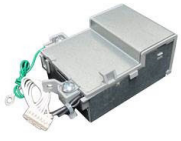

F


G


H


I


J


K



L


M


N


O


P

Fig.	Order #	Mfg. #	Description	For Use With
A	**G36-954**	FJ-IR-WIFI-1NA	Wi-Fi IR Wireless Module	All Models
B	**G36-953**	FJ-RC-WIFI-1NA	Wi-Fi Module	All Models
C	**G35-702**	UTY-RNNUM	Wired Remote Control	ASU7RLF1, ASU9RLF1, ASU12RLF1, ASU18RLF, ASU24RLF, ARU9RLF, ARU12RLF, ARU18RLF, ARU24RLF, AOU18RLXFZ, AOU24RLXFZ, AOU36RLXFZ, AOU48RLXFZ, ASU9RLS3Y, ASU12RLS3Y, ASU15RLS3Y, AGU9RLF, AGU12RLF, AGU15RLF
C	**G37-748**	UTY-RVNUM	Wired Remote Control	All Models
C	**G35-701**	UTY-DMMUM	Central Remote Control	ASU7RLF1, ASU9RLF1, ASU12RLF1, ASU18RLF, ASU24RLF, AUU9RLF, AUU12RLF, AUU18RLF, ARU7RLF, ARU9RLF, ARU12RLF, ARU18RLF, ARU24RLF, AOU48RLXFZ, AOU45RLXFZ
D	**G35-191**	UTY-RNBYU	Wire Remote	9RL, 12RL, 9RLS, 12RLS, 15RLQ, 18CL, 18RLQ, 24CL, 24RLXQ, 30CLX, 30RLXQ, 36CLX
E	**G35-192**	UTY-LNHFU1	Cassette Remote Controller	AUU9RML, AUU12RML, AUU18RML
E	**G35-058**	9313693039	Remote Control Wireless	ASU9RQ,ASU12RQ
F	**G35-795**	UTY-LNHUM	Wireless Remote Control	ASU7RLF, ASU9RLF, ASU12RLF, ASU18RLF, ASU24RLF, AUU9RLF, AUU12RLF, AUU18RLF, AOU48RLXFZ
F	**B87-031**	UTY-LNHU	Remote Control	ACUH09LUAS1, ACUH12LUAS1, ACUH18LUAS1
G	**G35-796**	UTY-XCBXZ1	Interface Kit	ASU7RLF, ASU9RLF, ASU12RLF, AOU18RLXFZ, AOU24RLXFZ, AOU36RLXFZ, AOU48RLXFZ, AOU12RLFW, AOU9RLFW, System 15RLS
H	**G36-598**	UTY-XCBXZ2	Interface Kit	RLF1 Wall Mount Units
I	**G37-765**	UTY-TTRX	Thermostat Converter	ASU12RLF1, ASU15RLF1, ASU18RLB, ASU18RLF, ASU24RLB, ASU24RLF, ASU30RLE, ASU9RLF1, AUU18R-GLX, AUU24RGLX, AUU30RGLX, AUU36RGLX, AUU42RGLX
J	**B20-995**	UTY-TFNXZ2	Wi-Fi Interface Kit	AGU12RLF, AGU15RLF, AGU9RLF, ARU12RLF, ARU18RLF, ARU24RLF, ARU7RLF, ARU9RLF, ASU12RLF, ASU12RLF1, ASU12RLS2, ASU12RLS3, ASU15RLF1, ASU15RLS2, ASU15RLS3, ASU18RLB, ASU18RLF, ASU24RLB, ASU24RLF, ASU30CLX1, ASU30RLE, ASU30RLX, ASU30RLXB, ASU36CLX1, ASU36RLXB, ASU7RLF, ASU7RLF1, ASU9RLF, ASU9RLF1, ASU9RLS2, ASU9RLS3, AUU12RLF, AUU18RLF, AUU7RLF, AUU9RLF
J	**G38-016**	UTY-TFSXZ2	Interface Kit	Fujitsu Equipment
K	**G35-193**	UTY-XCBXE	Interface Kit	9RL, 12RL
L	**B23-297**	UTY-RNRUZ5	Panel Remote	AGUA12TLAV1, AGUA14TLAV1, AGUA4TLAV1, AGUA7TLAV1, AGUA9TLAV1, ARUL4TLAV1, ASU30RLE, ASUA12TLAV1, ASUA14TLAV1, ASUA4TLAV1, ASUA7TLAV1, ASUA9TLAV1, ASUB18TLAV1, ASUB24TLAV1, ASUB30TLAV1, ASUB36TLAV1, AUU18RGLX, AUU24RGLX, AUU30RGLX, AUU36RGLX, AUU42RGLX, AUUA4TLAV1, AUUB18TLAV1, AUUB24TLAV1, AUUB30TLAV1, AUUB36TLAV1, AUUB48TLAV1
L	**G37-928**	TTRX-KIT	3rd Party Thermostat Converter Kit	Fujitsu Equipment Halcyon Models

continued on next page

Fig.	Order #	Mfg. #	Description	For Use With
M	**G37-708**	UTY-WIFI	Connector For Wired Wi-Fi	AGU12RLF, AGU15RLF, AGU9RLF, ASU12RLS2, ASU12RLS3, ASU15RLS2, ASU15RLS3, ASU18CL, ASU18R-LB, ASU18RLF, ASU24CL1, ASU24RLB, ASU24RLF, ASU30CLX1, ASU30RLX, ASU30RLXB, ASU36CLX1, ASU36RLXB, ASU9RLS3
N	**G38-226**	UTY-TFSXF1	Interface Kit	ASUG09LMAS, ASUG12LMAS
O	**G38-017**	UTY-LBTUM	IR Receiver Kit	All Fujitsu Mid-Static Ducted Equipment
—	**G37-931**	UTY-LBTUC	IR Receiver Kit with Wireless Remote Controller	RGLX Circular Flow Cassette Units
P	**G38-349**	TTRXZ1-KIT	3rd Party Thermostat Converter Kit	Fujitsu Equipment Halcyon Models

Southwire BARON

Mini-Split Tray Cable



- THHN control tray cable
- Designed to meet manufacturer's specifications when installed in raceways
- Meets national codes for indoor or outdoor use
- PVC jacket for UV and direct burial
- 600V, -25°C to 90°C

Order #	Description	Gauge	Conductors	Length	Each
G80-540	Bag	14	4/Solid	50'	**199.00**
G95-097	Spool	14	4/Solid	250'	**755.00**
G80-774	Bag	14	4/Stranded	50'	**145.00**
G95-156	Spool	14	4/Stranded	250'	**655.00**

YELLOW JACKET

R410A Adapter



- For use with most mini-split systems
- 5/16" female quick coupler x 1/4" male with Schrader valve
- 45° angled adapter for easy access
- Swivel nut for easy attachment; remove the adapter once the job is done to prevent unauthorized access

Order #	Mfg. #	Each
H26-660	19173	**45.49**

cps

R410A Adapters



- For use with most mini-split systems
- 1/4" male SAE x 5/16" female SAE (1/2"-20 UNF)
- Includes core and depressor

Order #	Mfg. #	Description	Each
B15-154	AD87	Straight Adapter	**13.99**
B19-027	AD87S	55° Angle/Swivel Adapter	**16.49**

FUJITSU

ACTPM Active Filter Module

Order #	Mfg. #	Description	For Use With
B17-027	9703457012	Active Filter Module	AOU18RLXFZ,AOU24CL,AOU24RL,AOU24RLQ,AOU24RLX-,AOU24RLXFZ,AOU24RLXQ,AOU24RML,AOU24RML1,AOU30CLX-,AOU30RLXQ,AOU36CLX,AOU36RLX,AOU36RLXFZ,AOU36RM-L,AOU36RML1



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Miscellaneous Accessories for Fujitsu Mini-Split Systems



Order #	Mfg. #	Description	For Use With
B17-037	9315212016	Air Filter Kit W/ Frame	ASU18RLF,ASU18RLXS,ASU24CL,ASU24CL1,ASU24RL,ASU24RLB,ASU24RLF,ASU24RLXS,ASU30CLX,ASU30CLX1,ASU30RLX,ASU30RLXB,ASU36CLX,ASU36CLX1,ASU36RLXB
B18-159	K9FZ1818	Fittings Kit for 18 + 18 Indoor Combination	AOU36RLXFZ1
B18-160	UTZ-KXGC	Insulation Kit for Compact Cassettes	AUU9RLF, AUU12RLF, AUU18RLF
B85-714	UTR-YDZB	Air Outlet Shutter Plate	AUU9RML, AUU12RML, AU18RML
B91-880	KHRS940-25	Fresh Air Intake Kit	ABU18RULX, ABU24RULX, ABU36RSLX, AUU18RCLX, AUU24RCLX, AUU36RCLX, AUU42RCLX
B91-881	UTZ-VXAA	Fresh Air Kit for Compact Cassettes	AUU9RLF, AUU12RLF, AU18RLF, AUU9RML, AUU12RML, AUU18RML, ACUH09LUAS1, ACUH12LUAS1, ACUH18LUAS1
G35-704	UTY-LRHUM	Receiver Unit (Concealed Ceiling, Includes Wireless Remote)	ARU9RLF, ARU12RLF, ARU18RLF, ARU24RLF
G35-913	UTY-XWZXZ3	External Input/Output Connector	AOU48RLXFZ
G35-914	UTY-XWZXZ4	Base Heater Connector	AOU48RLXFZ
G35-915	UTD-ECS5A	Auxiliary Heater Connector	ARU9RLF, ARU12RLF, ARU18RLF, ARU24RLF

Filter



Order #	Mfg. #	Description	For Use With
L99-244	9086706004	Charcoal Filter for Plasma Cartridge	ASU12RLQ,ASU12RMLQ,ASU12RQ,ASU15RLQ,ASU18RLQ,ASU18RMLQ,ASU24RLQ,ASU24RLXQ,ASU30RLXQ,ASU9CQ,ASU9RLQ,ASU9RMLQ,ASU9RQ

Fan Motors



Order #	Mfg. #	Description	For Use With
S59-309	9602783014	Fan Motor	ASU12RMLQ,ASU15RLQ,ASU18CL,ASU18RL,ASU18RLQ,ASU18RMLQ,ASU9RLQ,ASU9RMLQ
S59-310	9602704019	Fan Motor	ASU12RLF,ASU15RLS,ASU7RLF,ASU9RL,ASU9RLF
S59-311	9602848003	Fan Motor	AOU9RL
S59-312	9602751013	Fan Motor	AOU12RL
S59-313	9602783021	Fan Motor	ASU9RLS,ASU12RLS
S59-314	9602724017	Fan Motor	AOU12RLFC,AOU12RLFF,AOU12RLFFH,AOU12RLS,AOU12RLS2,AOU12RLS2H,AOU12RLS3,AOU12RLS3H,AOU15RLS,AOU24CL1,AOU9RLFC,AOU9RLFF,AOU9RLFFH,AOU9RLS,AOU9RLS2,AOU9RLS2H,AOU9RLS3,AOU9RLS3H
S59-256	9601846017	Fan Motor	ASU12CQ,ASU12R2,ASU12RQ,ASU9CQ,ASU9R2,ASU9RQ
S59-257	9601847014	Fan Motor	AOU12CQ,AOU12R2,AOU12RQ,AOU9CQ,AOU9R2,AOU9RQ
S59-261	9379853019	Fan Motor	AOU18RLX,AOU18RLXFZH,AOU24RLX,AOU24RLXFZH,AOU24RLXQ,AOU24RML,AOU24RML1,AOU30CLX,AOU30RLXQ,AOU36CLX-,AOU36RLX,AOU36RLXFZ,AOU36RLXFZ1,AOU36RML,AOU36RML1,AOU42RLX
S59-266	9602133017	Fan Motor	AOU15RLQ,AOU18RLQ,AOU18RL,AOU18CL
S59-358	9603229009	Fan Motor	ASU36CLX1
S83-553	9603074043	Fan Motor	AOU9RLFW1
S83-554	9602966011	Fan Motor	ARU9RLF
S83-555	9603788018	Fan Motor	AOU18/24RLXS/30RLX/RLXFW/FZ

Crossflow Fan Assembly

Order #	Mfg. #	Description	For Use With
B84-345	9315024015	Crossflow Fan Assembly	ASU18RLF,ASU18RLXS,ASU24CL,ASU24CL1,ASU24RL,ASU24RLB,ASU24RLF,ASU24RLQ,ASU24RLXQ,ASU24RLXS,ASU30CLX,ASU30CLX1,ASU30RLX,ASU30RLXB,ASU30RLXQ,ASU36CLX,ASU36CLX1,ASU36RLXB

PCB Assemblies



Order #	Mfg. #	Description	For Use With
B84-341	9709942017	PCB Assembly	AOU30CLX,AOU36CLX
L46-162	9709681213	PCB Assembly	AOU18RLXS,AOU18RLXFW
L46-181	9708497013	PCB Assembly	AOU48RLXFZ
B84-344	9709942024	PCB Assembly	AOU24CL,AOU24RL,AOU24RLQ
L46-131	9707039320	PCB Assembly	AOU9RLQ
L46-132	9707039337	PCB Assembly	AOU12RLQ
L46-133	9708523101	PCB Assembly	AOU12RLFW
L46-152	9709216132	PCB Assembly	AOU24CL1
L46-164	9707706567	PCB Assembly	AOU9RL
L46-165	9707706574	PCB Assembly	AOU12RL
L46-166	9709215197	PCB Assembly	AOU9RLFW
L46-167	9709682685	PCB Assembly	AOU36RLX
L46-168	9709682777	PCB Assembly	AOU18RLXFZ
L46-169	9709682784	PCB Assembly	AOU24RLXFZ
L46-193	9709681008	PCB Assembly	AOU42RLX
L46-126	9705039049	PCB Assembly	ASU9R2,ASU12R2
L46-135	9707204032	PCB Assembly	ASU9RLS,ASU12RLS
L46-136	9707209051	PCB Assembly	ASU18RLB,ASU18RLF,ASU18RLXS,ASU24RLB,ASU24RLF,ASU24RLXS,ASU30RLX,ASU30RLXB,ASU36RLXB
L46-153	9707649017	PCB Assembly	ASU9RL,ASU12RL
L46-154	9707649024	PCB Assembly	ASU12RLF,ASU15RLS,ASU7RLF,ASU9RLF
B16-874	9708523132	PCB Assembly	AOU18CL,AOU18RL
L43-923	9705712034	PCB Assembly	ASU9CQ
L43-924	9705712041	PCB Assembly	ASU12CQ
L43-928	9705717039	PCB Assembly	AOU9CQ
L43-930	9705717046	PCB Assembly	AOU12CQ
L43-951	9707193022	PCB Assembly	ASU18CL
L43-960	9708065038	PCB Assembly	ASU30CLX
L43-961	9708065045	PCB Assembly	ASU36CLX
L43-964	9707193091	PCB Assembly	ASU18RLQ
L43-965	9707193084	PCB Assembly	ASU15RLQ
L45-553	9707645385	PCB Assembly	ASU9RL
L45-554	9707645392	PCB Assembly	ASU12RL
L45-557	9708065076	PCB Assembly	ASU9RLS
L45-558	9708065083	PCB Assembly	ASU12RLS
L46-129	9705712058	PCB Assembly	ASU9R2
L46-130	9705712065	PCB Assembly	ASU12R2
L46-134	9707121568	PCB Assembly	AOU24RLQ
L46-138	9707393606	PCB Assembly	AUU12RML
L46-139	9707393613	PCB Assembly	AUU18RML
L46-155	9708511498	PCB Assembly	AOU18RLXS
L46-156	9708511504	PCB Assembly	AOU24RLXS
L46-157	9708511511	PCB Assembly	AOU30RLX
L46-158	9708511566	PCB Assembly	AOU30CLX1
L46-159	9708511573	PCB Assembly	AOU36CLX1
L46-160	9708511580	PCB Assembly	AOU18RLXFW

Order #	Mfg. #	Description	For Use With
L46-161	9708511597	PCB Assembly	AOU24RLXFW
L46-171	9708065021	PCB Assembly	ASU24CL
L46-172	9708065069	PCB Assembly	ASU24RLXQ,ASU30RLXQ
L46-173	9708065168	PCB Assembly	ASU18RLXS
L46-174	9708065175	PCB Assembly	ASU24RLXS
L46-175	9708065182	PCB Assembly	ASU30RLX
L46-176	9708065205	PCB Assembly	ASU24CL1
L46-177	9708065229	PCB Assembly	ASU30CLX1
L46-178	9708065236	PCB Assembly	ASU36CLX1
L46-179	9708485010	PCB Assembly	AOU48LXFZ
L46-180	9708488011	PCB Assembly	AOU48LXFZ
L46-187	9708536019	PCB Assembly	ASU7RLF
L46-188	9708536026	PCB Assembly	ASU9RLF
L46-189	9708536033	PCB Assembly	ASU12RLF
L46-190	9708536071	PCB Assembly	ASU15RLS
L46-195	9708482019	PCB Assembly	UTP-PU03A,UTP-PU03B
L46-127	9709893081	PCB Assembly	AOU18RLXFZ,AOU24RLXFZ
L46-128	9709893098	PCB Assembly	AOU18RLXFZH,AOU24RLXFZH,AOU36RLXFZ,AOU36RLXFZ1
L46-148	9707398236	PCB Assembly	AUU7RLF,AUU9RLF,AUU12RLF,AUU18RLF
L46-149	9707398243	PCB Assembly	ARU7RLF,ARU9RLF,ARU12RLF,ARU18RLF,ARU24RLF
L46-183	9708513041	PCB Assembly	AOU24RLXS,AOU30CLX1,AOU30RLX,AOU36CLX1
L46-184	9708510057	PCB Assembly	AOU18RLXS
L46-147	9707398182	PCB Assembly	AUU9RML,AUU12RML,AUU18RML
L46-185	9708513065	PCB Assembly	AOU18RLXFW
L46-186	9708513072	PCB Assembly	AOU24RLXFW,AOU30RLXB,AOU36RLXB
B19-110	9709427354	PCB Assembly	ASU7RLF1
B19-111	9709427330	PCB Assembly	ASU9RLF1
B19-112	9709427347	PCB Assembly	ASU12RLF1
B19-113	9709170304	PCB Assembly	ASU12RL2
B19-114	9708713410	PCB Assembly	ASU9RLS2
B19-115	9708713427	PCB Assembly	ASU12RLS2
B19-116	9708713434	PCB Assembly	ASU15RLS2
B19-117	9708540368	PCB Assembly	ASU18RLF
B19-118	9708540375	PCB Assembly	ASU24RLF
B19-120	9709928028	PCB Assembly	AUU9RLF
B19-121	9710621758	PCB Assembly	AUU12RLF
B19-122	9710621765	PCB Assembly	AUU18RLF
B19-123	9709928059	PCB Assembly	ARU7RLF
B19-124	9710621789	PCB Assembly	ARU9RLF R-TYPE, ARU9RLF T-TYPE
B19-125	9710621796	PCB Assembly	ARU12RLF R-TYPE, ARU12RLF T-TYPE
B19-128	9708532165	PCB Assembly	AGU9RLF
B19-129	9708532172	PCB Assembly	AGU12RLF
B19-130	9708532189	PCB Assembly	AGU15RLF
L47-542	9708065014	PCB Assembly	ASU24RL

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Fuses

Order #	Mfg. #	Description	For Use With
B17-028	0600372163	Fuse	AOU12CQ,AOU12R2,AOU12RL,AOU12RLFC,AOU12RLFW,AOU12RLFW,AOU12RLQ,AOU12RLS,AOU12RLS2,AOU12RLS2,AOU12R-Q,AOU15RLFF,AOU15RLQ,AOU15RLS,AOU15RLS2,AOU18CL,AOU18RL,AOU18RLQ,AOU9CQ,AOU9R2,AOU9RL,AOU9RLFC,AOU9R-LFW,AOU9RLFW1,AOU9RLQ,AOU9RLS,AOU9RLS2,AOU9RLS2H,AOU9RQ
B17-032	0600382018	Fuse	AOU12RL,AOU12RLFC,AOU12RLFW,AOU12RLFW1,AOU12RLQ,AOU12RLS,AOU12RLS2,AOU12RLS2H,AOU15RLQ,AOU15RLS,AOU-18CL,AOU18RL,AOU18RLQ,AOU24CL1,AOU9RL,AOU9RLFC,AOU9RLFW,AOU9RLFW1,AOU9RLQ,AOU9RLS,AOU9RLS2,AOU9RLS2H
G35-932	0600470012	Fuse	AOU48RLXFZ,AOU48RLXFZ1,ARU12RLF T Type,ARU12RML,ARU18RLF T Type,ARU18RML,ARU24RLF T Type,ARU7RLF,ARU9RLF T Type ,ARU9RML,ASU12RLF,ASU15RLS,ASU18RLF,ASU24RLF,ASU7RLF,ASU9RLF,AUU12RLF,AUU12RML,AUU18RLF,AUU18RM-L,AUU7RLF,AUU9RLF,AUU9RML

Condensate Pump

Order #	Mfg. #	Description	For Use With
B17-226	UTR-DPB24T	Drain Condensate Pump	36RSLX

Compressors

Order #	Mfg. #	Description	For Use With
B84-276	9314228018	Compressor	AOU9CQ,AOU9RQ,AOU9R2
B84-277	9314200014	Compressor	AOU12CQ,AOU12RQ,AOU12R2
B84-282	9374653010	Compressor	AOU42RLX
B84-284	9315206015	Compressor	AOU9RLQ,AOU12RLQ

Order #	Mfg. #	Description	For Use With
B84-285	9372558126	Compressor	AOU24RLXQ, AOU30CLX, AOU30RLXQ, AOU36CLX
B84-287	9377946010	Compressor	AOU24RML, AOU24RML1, AOU36RML

Drain Cap



Order #	Mfg. #	Description	For Use With
B17-029	313166024302	Drain Cap	For Outdoor Heat Pumps or Indoor ARU models

Shaft Holder

Order #	Mfg. #	Description	For Use With
B17-036	9357921006	Shaft Holder	ABU36RSLX

Bushing

Order #	Mfg. #	Description	For Use With
B17-030	9357942001	Bushing	ABU18RLX,ABU24RLX

Receiver Window

Order #	Mfg. #	Description	For Use With
B17-033	9315010018	Receiver Window	ASU24CL,ASU24RL,ASU30CLX-,ASU36CLX

Grilles

Order #	Mfg. #	Description	For Use With
X82-217	9359738008	Intake Grille	ABU36RSLX
B16-992	9362782005	Grille Hook Holder Cass Plastic	AUU18RCLX,AUU24RCLX,AUU36RCLX,AUU42RCLX
B17-035	9373323006	Intake Grille Clamp	ASU18RLB,ASU18RLF,ASU18RLXS,ASU24CL,ASU24CL1,ASU24RL,ASU24RLB,ASU24RLF,ASU24RLXS,ASU-30CLX,ASU30CLX1,ASU30RLX,ASU30RLXB,ASU36CLX,ASU36CLX1,ASU36RLXB
B16-991	9362779012	Grille Hook-A	AUU18RCLX,AUU24RCLX,AUU36RCLX,AUU42RCLX
B16-990	9362778015	Grille Hook-B	AUU18RCLX,AUU24RCLX,AUU36RCLX,AUU42RCLX
X92-892	9362818131	Intake Grille	AUU18RCLX,AUU24RCLX,AUU36RCLX,AUU42RCLX

Panels

Order #	Mfg. #	Description	For Use With
X82-218	9314991028	Front Panel	ASU24CL,ASU24CL1,ASU30CLX,ASU30CLX1,ASU36CLX,ASU36CLX1
X92-472	9312112074	Casing Assembly	ASU12CQ,ASU12R2,ASU12RMLQ,ASU12RMLQ,ASU12RQ,ASU18RMLQ,ASU9CQ,ASU9CQ,ASU9R2,ASU9RMLQ,ASU9R-MLQ,ASU9RQ
B84-320	9371364018	Side Cover	ABU36RSLX
B16-993	9362787000	Decoration Plate Plastic	AUU18RCLX,AUU24RCLX,AUU36RCLX,AUU42RCLX

Disconnect



Order #	Mfg. #	Description	For Use With
B17-149	K3PST	3 Pole Disconnect Switch	ABU18RULX, ABU24RULX, ABU36RSLX, AOU9CQ, ASU12CQ, ASU12RLQ, ASU12RQ, ASU15RLQ, ASU18CL, ASU18RLQ, ASU30CLXASU24RL, ASU24CL, ASU24RLQ, ASU36CLX, ASU9CQ, ASU9RLQ, ASU9RMLQ, ASU9RQ, AUU18RCLX, AUU24RCLX, AUU36RCLX, AUU42RCLX

Capacitors

Order #	Mfg. #	Description	For Use With
G34-870	9708514031	Capacitor Pcb	AOU24CL,AOU24RL,AOU24RLQ
G35-930	9709894033	Capacitor	AOU18RLXFW, AOU18RLXS

Order #	Mfg. #	Description	For Use With
G35-931	9709894040	Capacitor	AOU24RLXFW, AOU24RLXS, AOU30CLX1, AOU30RLX, AOU36CLX1

Daikin

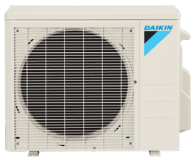
Ductless Mini-Split Systems

ENTRA Series, 18 SEER2, Single-Zone, Heat Pumps, R410A

- Inverter variable speed compressor
- Automatic operation for year-round comfort
- Vertical auto swing air movement
- Dry mode
- Auto fan speed
- Remote controller
- 24-hour on/off timer
- Auto restart after power failure
- Self diagnosis with digital display
- 10-year parts warranty
- 208/230V



A



B

Fig.	Order #	Mfg. #	Style	BtuH Cooling	BtuH Heating	Volts	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
Single-Zone Indoor Heat Pump Units													
A	**B67-118**	FTXB09BXVJU	Wall Mounted	8,800	9,400	208/230	—	1/4"	3/8"	30-5/16"	11-1/3"	9-3/16"	20.3
A	**B67-119**	FTXB12BXVJU	Wall Mounted	11,000	11,300	208/230	—	1/4"	3/8"	30-5/16"	11-1/3"	9-3/16"	21.4
A	**B67-120**	FTXB18BXVJU	Wall Mounted	18,000	17,900	208/230	—	1/4"	1/2"	39-9/16"	11-11/16"	10-3/4"	31
A	**B67-172**	FTXB24BXVJU	Wall Mounted	21,200	21,200	208/230	—	1/4"	5/8"	39-9/16"	11-11/16"	10-3/4"	31
Single-Zone Outdoor Heat Pump Units													
B	**B67-129**	RXB09BXVJU	—	8,800	9,400	208/230	15	1/4"	3/8"	26-1/2"	21-11/16"	11-3/16"	55
B	**B67-130**	RXB12BXVJU	—	11,000	11,300	208/230	15	1/4"	3/8"	26-1/2"	21-11/16"	11-3/16"	62
B	**B67-131**	RXB18BXVJU	—	18,000	17,900	208/230	20	1/4"	1/2"	36-5/8"	27-13/32"	13-13/16"	97
B	**B67-132**	RXB24BXVJU	—	21,200	21,200	208/230	20	1/4"	5/8"	36-5/8"	27-13/32"	13-13/16"	97

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Ductless Mini-Split Systems

DAIKIN

Oterra Series, 20 SEER2, Single-Zone, Heat Pumps and Cooling Only, R410A

- Inverter variable speed compressor
- Automatic operation for year-round comfort
- Vertical auto swing air movement
- Dry mode
- Auto fan speed
- Remote controller with backlit display
- 24-hour on/off timer
- Auto restart after power failure
- Self-diagnosis with digital display
- 12-year parts and 12-year compressor warranty
- 208/230V



A



B

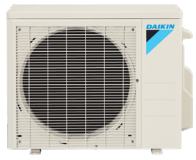


Fig.	Order #	Mfg. #	Style	BtuH Cooling	BtuH Heating	CFM High	Volts	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
Single-Zone Indoor Heat Pump Units														
A	**B67-114**	FTX09BXVJU	Wall Mounted	8,900	10,000	—	208/230	—	1/4"	3/8"	30-29/32"	11-1/3"	9-27/32"	20
A	**B67-115**	FTX12BXVJU	Wall Mounted	10,900	13,500	—	208/230	—	1/4"	3/8"	30-29/32"	11-1/3"	9-27/32"	22
A	**B67-116**	FTX18BXVJU	Wall Mounted	18,000	21,600	—	208/230	—	1/4"	1/2"	39-1/2"	11-11/16"	11-1/3"	31
A	**B67-117**	FTX24BXVJU	Wall Mounted	21,200	23,600	—	208/230	—	1/4"	5/8"	39-1/2"	11-11/16"	11-1/3"	31
Single-Zone Indoor Cooling Only Units														
B	**B67-110**	FTK09BXVJU	Wall Mounted	9,000	—	—	208/230	—	1/4"	3/8"	30-29/32"	11-1/3"	9-27/32"	20
B	**B67-111**	FTK12BXVJU	Wall Mounted	12,000	—	—	208/230	—	1/4"	3/8"	30-29/32"	11-1/3"	9-27/32"	22
B	**B67-112**	FTK18BXVJU	Wall Mounted	18,000	—	—	208/230	—	1/4"	1/2"	39-1/2"	11-11/16"	11-1/3"	31
B	**B67-113**	FTK24BXVJU	Wall Mounted	24,000	—	—	208/230	—	1/4"	5/8"	39-1/2"	11-11/16"	11-1/3"	31
Single-Zone Outdoor Heat Pump Units														
C	**B67-125**	RX09BXVJU	—	8,900	10,000	1,083	208/230	15	1/4"	3/8"	26-1/2"	21-11/16"	11-3/16"	55
C	**B67-126**	RX12BXVJU	—	10,900	13,500	1,051	208/230	15	1/4"	3/8"	26-1/2"	21-11/16"	11-3/16"	62
C	**B67-127**	RX18BXVJU	—	18,000	21,600	1,987	208/230	20	1/4"	1/2"	36-5/8"	27-13/32"	13-13/16"	97
C	**B67-128**	RX24BXVJU	—	21,200	23,600	1,879	208/230	20	5/8"	1/4"	36-5/8"	27-13/32"	13-13/16"	104
Single-Zone Outdoor Cooling Only Units														
C	**B67-121**	RK09BXVJU	—	9,000	—	1,083	208/230	15	1/4"	3/8"	26-1/2"	21-11/16"	11-3/16"	53
C	**B67-122**	RK12BXVJU	—	10,900	—	1,051	208/230	15	1/4"	3/8"	26-1/2"	21-11/16"	11-3/16"	60
C	**B67-123**	RK18BXVJU	—	18,000	—	1,987	208/230	20	1/4"	1/2"	36-5/8"	27-13/32"	13-13/16"	95
C	**B67-124**	RK24BXVJU	—	21,200	—	1,879	208/230	20	1/4"	5/8"	39-1/2"	27-13/32"	13-13/16"	101

Ductless Mini-Split Systems

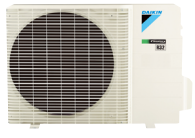
DAIKIN

Atmosphera Series, Up to 27.4 SEER2, Single-Zone, Heat Pumps, R-32

- Inverter variable speed compressor
- Automatic operation for year-round comfort
- Dry mode
- Adjustable fan speed
- Econo mode for controlled energy consumption
- 24-hour on/off timer
- Auto restart after power failure
- Self-diagnosis with digital display
- 12-year parts warranty
- 208/230V
- A2L Ready with R-32 Refrigerant



A



B

Fig.	Order #	Mfg. #	Style	BtuH Cooling	BtuH Heating	CFM High	Volts	Amps Cooling	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
Single-Zone Indoor Heat Pump Units															
A	**B67-143**	FTXM09WVJU9	Wall Mounted	9,000	11,000	—	208/230	—	—	1/4"	3/8"	36-1/4"	11-3/4"	10-13/16"	29
A	**B67-144**	FTXM12WVJU9	Wall Mounted	12,000	13,600	—	208/230	—	—	1/4"	3/8"	36-1/4"	11-3/4"	10-13/16"	29
A	**B67-145**	FTXM18WVJU9	Wall Mounted	18,000	21,600	—	208/230	—	—	1/4"	1/2"	43-5/16"	11-3/4"	10-13/16"	33
A	**B67-146**	FTXM24WVJU9	Wall Mounted	21,600	24,000	—	208/230	—	—	1/4"	5/8"	43-5/16"	11-3/4"	10-13/16"	33
Single-Zone Outdoor Heat Pump Units															
B	**B67-139**	RXM09WVJU9	—	9,000	11,000	1,317	208/230	12.3	15	1/4"	3/8"	33-1/4"	23-7/16"	11-13/16"	96
B	**B67-140**	RXM12WVJU9	—	12,000	13,600	1,487	208/230	12.3	15	1/4"	3/8"	33-1/4"	23-7/16"	11-13/16"	96
B	**B67-141**	RXM18WVJU9	—	18,000	21,600	2,119	208/230	18.8	20	1/4"	1/2"	34-1/4"	28-15/16"	12-5/8"	132
B	**B67-142**	RXM24WVJU9	—	21,600	24,000	2,179	208/230	19.8	20	1/4"	5/8"	34-1/4"	28-15/16"	12-5/8"	132

DAIKIN

Ductless Mini-Split Systems

Cirra Series, 17 SEER, Multi-Zone, Heat Pumps, R410A



A



B

- Inverter variable speed compressor
- Automatic operation for year-round comfort
- Vertical auto swing air movement
- Humidity control
- Auto fan speed
- Remote controller with backlit display
- LCD wireless remote control
- 24 hour on/off timer
- Auto restart after power failure
- self-diagnosis with digital display
- 208/230V

Fig.	Order #	Mfg. #	Style	BtuH Cooling	BtuH Heating	CFM High	Volts	Amps Cooling	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
Multi-Zone Indoor Units															
A	**B65-233**	CTX07AXVJU	Wall Mounted	7,000	8,500	—	208/230	—	—	1/4"	3/8"	30-29/32"	11-1/3"	9-27/32"	20
A	**B65-234**	CTX09AXVJU	Wall Mounted	9,000	10,000	—	208/230	—	—	1/4"	3/8"	30-29/32"	11-1/3"	9-27/32"	20
A	**B65-235**	CTX12AXVJU	Wall Mounted	12,000	13,500	—	208/230	—	—	1/4"	3/8"	30-29/32"	11-1/3"	9-27/32"	20
Multi-Zone Outdoor Unit															
B	**B65-232**	2MX18AXVJU	—	17,000	17,000	1,170	208/230	10.9	15	1/4"	3/8"	26-1/2"	21-11/16"	11-3/16"	77

DAIKIN AIR INTELLIGENCE

Ductless Mini-Split Systems

NEW

ENTRA Series, Up to 18 SEER2, Single-Zone, Heat Pumps, R-32



A



B

- Inverter variable speed compressor
- Automatic operation for year-round comfort
- Vertical auto swing air movement
- Dry mode
- Auto fan speed
- Remote controller
- 24-hour on/off timer
- Auto restart after power failure
- Self diagnosis with digital display
- 10-year parts warranty
- 208/230V
- A2L Ready with R-32 Refrigerant

Note: There is no backwards compatibility between the current R-410A and new R-32 Daikin ENTRA models

Fig.	Order #	Mfg. #	Style	BtuH Cooling	BtuH Heating	Volts	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
Single-Zone Indoor Heat Pump Units													
A	**B68-111** ◀	FTXC09AXVJU	Wall Mounted	9,000	9,400	208/230	—	1/4"	3/8"	30-5/16"	11-1/3"	9-11/16"	19.8
A	**B68-112** ◀	FTXC12AXVJU	Wall Mounted	12,000	11,300	208/230	—	1/4"	3/8"	30-5/16"	11-1/3"	9-11/16"	20.9
A	**B68-113** ◀	FTXC18AXVJU	Wall Mounted	18,100	18,000	208/230	—	1/4"	1/2"	39-9/16"	11-11/16"	11-1/3"	30.5
A	**B68-114** ◀	FTXC24AXVJU	Wall Mounted	22,400	23,000	208/230	—	1/4"	5/8"	39-9/16"	11-11/16"	11-1/3"	30.5
Single-Zone Outdoor Heat Pump Units													
B	**B68-107** ◀	RXC09AXVJU	—	9,000	9,400	208/230	15	1/4"	3/8"	26-1/2"	21-11/16"	11-3/16"	60
B	**B68-108** ◀	RXC12AXVJU	—	12,000	11,300	208/230	15	1/4"	3/8"	26-1/2"	21-11/16"	11-3/16"	60
B	**B68-109** ◀	RXC18AXVJU	—	18,100	18,000	208/230	20	1/4"	1/2"	36-5/8"	27-13/32"	13-13/16"	101
B	**B68-110** ◀	RXC24AXVJU	—	22,400	23,000	208/230	20	1/4"	5/8"	36-5/8"	27-13/32"	13-13/16"	101

PROVIDING YOU UNIVERSAL TRUCK STOCK OPTIONS

Ask About Our Replenishment Programs Today!



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Ductless Mini-Split Systems

NEW

DAIKIN

Oterra Series, 21 SEER2, Single-Zone, Heat Pumps and Cooling Only, R-32

- Inverter variable speed compressor
- Automatic operation for year-round comfort
- Vertical auto swing air movement
- Humidity control
- Auto fan speed
- Remote controller with backlit display
- 24 hour on / off timer
- Auto restart after power failure
- Self-diagnosis with digital display
- 10 Year Parts / 10 Year Compressor warranty
- 208/230V
- A2L Ready with R-32 Refrigerant

Note: There is no backwards compatibility between the current R-410A and the new R-32 Oterra models.



A



B

Fig.	Order #	Mfg. #	Style	BtuH Cooling	BtuH Heating	CFM High	Volts	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
Single-Zone Indoor Cooling Only Units														
A	**B68-190**	FTKF09AXVJU	Wall Mounted	9,000	—	—	208/230	—	1/4"	3/8"	30-5/16"	11-1/3"	9-3/16"	19.8
A	**B68-191**	FTKF12AXVJU	Wall Mounted	12,000	—	—	208/230	—	1/4"	3/8"	30-5/16"	11-1/3"	9-3/16"	20.9
A	**B68-192**	FTKF18AXVJU	Wall Mounted	18,100	—	—	208/230	—	1/4"	1/2"	39-9/16"	11-11/16"	10-3/4"	30.5
A	**B68-193**	FTKF24AXVJU	Wall Mounted	22,400	—	—	208/230	—	1/4"	5/8"	39-9/16"	11-11/16"	10-3/4"	30.5
Single-Zone Indoor Heat Pump Units														
A	**B68-186**	FTXF09AXVJU	Wall Mounted	9,000	10,000	—	208/230	—	1/4"	3/8"	30-5/16"	11-1/3"	9-3/16"	19.8
A	**B68-187**	FTXF12AXVJU	Wall Mounted	12,000	13,500	—	208/230	—	1/4"	3/8"	30-5/16"	11-1/3"	9-3/16"	20.9
A	**B68-188**	FTXF18AXVJU	Wall Mounted	18,100	21,600	—	208/230	—	1/4"	1/2"	39-9/16"	11-11/16"	10-3/4"	30.5
A	**B68-189**	FTXF24AXVJU	Wall Mounted	22,400	23,600	—	208/230	—	1/4"	5/8"	39-9/16"	11-11/16"	10-3/4"	30.5
Single-Zone Outdoor Cooling Only Units														
B	**B68-182**	RKF09AXVJU	—	9,000	—	1,051	208/230	15	1/4"	3/8"	26-1/2"	21-11/16"	11-3/16"	60
B	**B68-183**	RKF12AXVJU	—	12,000	—	1,051	208/230	15	1/4"	3/8"	26-1/2"	21-11/16"	11-3/16"	60
B	**B68-184**	RKF18AXVJU	—	18,100	—	1,879	208/230	20	1/4"	1/2"	36-5/8"	27-13/32"	13-13/16"	101
B	**B68-185**	RKF24AXVJU	—	22,400	—	1,879	208/230	20	1/4"	5/8"	36-5/8"	27-13/32"	13-13/16"	101
Single-Zone Outdoor Heat Pump Units														
B	**B68-178**	RXF09AXVJU	—	9,000	10,000	1,051	208/230	15	1/4"	3/8"	26-1/2"	21-11/16"	11-3/16"	60
B	**B68-179**	RXF12AXVJU	—	12,000	13,500	1,051	208/230	15	1/4"	3/8"	26-1/2"	21-11/16"	11-3/16"	60
B	**B68-180**	RXF18AXVJU	—	18,100	21,600	1,879	208/230	20	1/4"	1/2"	36-5/8"	27-13/32"	13-13/16"	101
B	**B68-181**	RXF24AXVJU	—	22,400	23,600	1,879	208/230	20	1/4"	5/8"	36-5/8"	27-13/32"	13-13/16"	101



DAIKIN

Ductless Mini-Split Systems

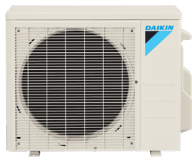
Up to 25 SEER2, Single-Zone, Heat Pumps and Cooling Only, R410A

- Inverter variable speed compressor
- Automatic operation for year-round comfort
- Vertical and horizontal auto swing air movement
- Humidity control
- Auto fan speed
- Remote controller with backlit display
- LCD Wireless remote control
- 24-hour on/off timer
- Auto restart after power failure
- Self-diagnosis with digital display
- 12-year parts and 12-year compressor standard warranty
- 208/230V


A


B


C


D


E

Fig.	Order #	Mfg. #	Style	BtuH Cooling	BtuH Heating	CFM High	Volts	Amps Cooling	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
Aurora Single Zone Indoor Wall Mount Heat Pump Units															
A	**B67-152**	FTX09WMVJU9	Wall Mounted	9,000	10,900	—	208/230	—	—	1/4"	3/8"	30-5/16"	11-1/4"	8-3/4"	18
A	**B67-153**	FTX12WMVJU9	Wall Mounted	10,600	13,400	—	208/230	—	—	1/4"	3/8"	30-5/16"	11-1/4"	8-3/47"	20
A	**B67-154**	FTX15WMVJU9	Wall Mounted	15,000	18,300	—	208/230	—	—	1/4"	1/2"	39"	11-5/8"	10-3/8"	27
A	**B67-155**	FTX18WVJU9	Wall Mounted	18,000	21,600	—	208/230	—	—	1/4"	1/2"	41-5/16"	13-3/8"	10-3/16"	33
A	**B67-156**	FTX24WVJU9	Wall Mounted	21,200	24,000	—	208/230	—	—	1/4"	5/8"	41-5/16"	13-3/8"	10-3/16"	33
NV / LV Series Single Zone Indoor Wall Mount Heat Pump and AC Units															
B	**B67-137**	FTX30WVJU9	Wall Mounted	31,400	34,800	—	208/230	—	—	1/4"	5/8"	47-1/4"	13-3/8"	10-3/16"	38
B	**B73-374**	FTXS30LVJU	Wall Mounted	30,000	—	—	208/230	—	—	3/8"	5/8"	47-1/4"	13-3/8"	9-7/16"	38
B	**B67-138**	FTX36WVJU9	Wall Mounted	34,400	36,000	—	208/230	—	—	1/4"	5/8"	47-1/4"	13-3/8"	10-3/16"	38
B	**B73-375**	FTXS36LVJU	Wall Mounted	36,000	—	—	208/230	—	—	3/8"	5/8"	47-1/4"	13-3/8"	9-7/16"	38
Single Zone Indoor Ducted Heat Pump Units															
C	**B66-685**	FDMQ09WVJU9	Ducted	9,000	10,900	—	208/230	—	—	1/4"	3/8"	27-9/16"	9-5/8"	31-1/2"	64
C	**B66-686**	FDMQ12WVJU9	Ducted	10,800	13,600	—	208/230	—	—	1/4"	3/8"	27-9/16"	9-5/8"	31-1/2"	64
C	**B66-687**	FDMQ15WVJU9	Ducted	14,400	18,000	—	208/230	—	—	1/4"	1/2"	39-3/8"	9-5/8"	31-1/2"	77
C	**B66-688**	FDMQ18WVJU9	Ducted	17,600	21,600	—	208/230	—	—	1/4"	1/2"	39-3/8"	9-5/8"	31-1/2"	82
C	**B66-689**	FDMQ24WVJU9	Ducted	21,800	24,000	—	208/230	—	—	1/4"	5/8"	39-3/8"	9-5/8"	31-1/2"	82
Emura Single Zone Outdoor Heat Pump Units															
D	**B67-136**	RX09WMVJU9	—	9,000	10,900	—	208/230	—	15	1/4"	3/8"	26-9/16"	21-5/8"	11-3/16"	63
D	**B66-955**	RX12WMVJU9	—	12,000	12,000	—	208/230	—	15	1/4"	3/8"	26-9/16"	21-5/8"	11-3/16"	63
D	**B66-953**	RX15WMVJU9	—	15,000	—	—	208/230	—	15	1/4"	1/2"	34-1/4"	28-15/16"	12-5/8"	100
D	**B66-954**	RX18WMVJU9	—	18,000	20,000	—	208/230	—	15	1/4"	1/2"	34-1/4"	28-15/16"	12-5/8"	100
D	**B66-957**	RX24WMVJU9	—	24,000	—	—	208/230	—	20	1/4"	5/8"	34-1/4"	28-15/16"	12-5/8"	109
Aurora Single Zone Outdoor Heat Pump Units															
D	**B67-147**	RXL09WMVJU9	—	9,000	10,900	—	208/230	—	15	1/4"	3/8"	26-9/16	21-5/8"	11-3/16"	63
D	**B67-148**	RXL12WMVJU9	—	10,800	12,500	—	208/230	—	15	1/4"	3/8"	26-9/16	21-5/8"	11-3/16"	73
D	**B67-149**	RXL15WMVJU9	—	15,000	18,300	—	208/230	—	15	1/4"	1/2"	34-1/4	28-15/16"	12-5/8"	109
D	**B67-150**	RXL18WMVJU9	—	17,600	21,600	—	208/230	—	20	1/4"	1/2"	34-1/4	28-15/16"	12-5/8"	132
D	**B67-151**	RXL24WMVJU9	—	21,200	24,000	—	208/230	—	20	1/4"	5/8"	34-1/4	28-15/16"	12-5/8"	132
NV Series Single Zone Outdoor Heat Pump Units															
D	**B67-135**	RX30WMVJU9	—	31,400	34,800	—	208/230	—	20	1/4"	5/8"	34-1/4"	28-15/16"	12-5/8"	133
D	**B66-956**	RX36WMVJU9	—	36,000	36,000	—	208/230	—	20	1/4"	5/8"	34-1/4"	28-15/16"	12-5/8"	133
NV / LV Series Single Zone Outdoor AC Units															
D	**B67-133**	RK30WMVJU9	—	31,400	—	2,528	208/230	—	20	1/4"	5/8"	34-1/4"	28-15/16"	12-5/8"	133
E	**B73-332**	RKS30LVJU	—	30,000	—	2,627	208/230	19.5	20	3/8"	5/8"	37"	38-15/16"	12-5/8"	179
D	**B67-134**	RK36WMVJU9	—	33,200	—	—	208/230	—	20	1/4"	5/8"	34-1/4"	28-15/16"	12-5/8"	133
E	**B73-333**	RKS36LVJU	—	36,000	—	2,627	208/230	19.5	20	3/8"	5/8"	37"	38-15/16"	12-5/8"	179

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Ductless Mini-Split Systems

Up to 20 SEER2, Multi-Zone, Air Conditioners and Heat Pumps, R410A

- Inverter variable speed compressor
- Automatic operation for year-round comfort
- Dry mode
- Adjustable fan speed
- Remote controller (optional for FDMQ & FFQ)
- Econo mode for controlled energy consumption
- 24-hour on/off timer
- Auto restart after power failure
- Self-diagnosis with digital display
- 12-year parts and 12-year compressor standard warranty
- 208/230V

Note: *For complete specifications and match-ups go to the Mini-Split Selector


A


B


C


D


E

Fig.	Order #	Mfg. #	Style	BtuH Cooling	BtuH Heating	CFM High	Volts	Amps Cooling	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
Emura Multi-Zone Wall Mount Indoor Units															
A	**B66-520**	FTXR09WVJUW9	Wall Mounted Designer	9,000	10,000	—	208/230	—	—	1/4"	3/8"	39-5/16"	11-15/16"	8-3/8"	27
A	**B66-516**	FTXR09WVJUS9	Wall Mounted Designer	9,000	10,000	—	208/230	—	—	1/4"	3/8"	39-5/16"	11-15/16"	8-3/8"	27
A	**B66-668**	FTXR12WVJUW9	Wall Mounted Designer	12,000	13,500	—	208/230	—	—	1/4"	3/8"	31-1/2"	11-5/8"	8-7/16"	20
A	**B66-517**	FTXR12WVJUS9	Wall Mounted Designer	12,000	13,500	—	208/230	—	—	1/4"	3/8"	39-5/16"	11-15/16"	8-3/8"	27
A	**B66-669**	FTXR18WVJUW9	Wall Mounted Designer	18,000	20,000	—	208/230	—	—	1/4"	1/2"	41-5/16"	13-3/8"	9-3/4"	31
A	**B66-519**	FTXR18WVJUS9	Wall Mounted Designer	18,000	20,000	—	208/230	—	—	1/4"	1/2"	31-1/2"	11-5/8"	8-7/16"	21
Multi-Zone Wall Mount Indoor Units															
B	**B66-670**	CTXS07WVJU9	Wall Mounted	7,000	8,500	—	208/230	—	—	1/4"	3/8"	31-1/2"	11-5/8"	8-7/16"	20
B	**B66-671**	FTXS09WVJU9	Wall Mounted	9,000	12,000	—	208/230	—	—	1/4"	3/8"	31-1/2"	11-5/8"	8-7/16"	20
B	**B66-672**	FTXS12WVJU9	Wall Mounted	12,000	14,400	—	208/230	—	—	1/4"	3/8"	31-1/2"	11-5/8"	8-7/16"	21
B	**B66-673**	FTXS15WVJU9	Wall Mounted	15,000	18,000	—	208/230	—	—	1/4"	1/2"	39-5/16"	11-15/16"	8-3/8"	27
B	**B66-674**	FTXS18WVJU9	Wall Mounted	18,000	21,600	—	208/230	—	—	1/4"	1/2"	41-5/16"	13-3/8"	9-3/4"	27
B	**B66-675**	FTXS24WVJU9	Wall Mounted	21,400	25,400	—	208/230	—	—	1/4"	5/8"	39-5/16"	11-15/16"	8-3/8"	27
Vista Multi-Zone Ceiling Cassette Indoor Units															
C	**B66-676**	FFQ09W2VJU9	2x2 Cassette	9,100	10,000	—	208/230	—	—	1/4"	3/8"	22-5/8"	10-1/4"	22-5/8"	36
C	**B66-677**	FFQ12W2VJU9	2x2 Cassette	10,800	13,500	—	208/230	—	—	1/4"	3/8"	22-5/8"	10-1/4"	22-5/8"	36
C	**B66-678**	FFQ15W2VJU9	2x2 Cassette	14,400	16,200	—	208/230	—	—	1/4"	1/2"	22-5/8"	10-1/4"	22-5/8"	36
C	**B66-679**	FFQ18W2VJU9	2x2 Cassette	17,400	21,600	—	208/230	—	—	1/4"	1/2"	22-5/8"	10-1/4"	22-5/8"	39
Multi-Zone Floor Mount Indoor Units															
D	**B66-680**	FVXS09WVJU9	Floor Mounted	9,000	10,100	—	208/230	—	—	1/4"	3/8"	27-9/16"	23-5/8"	8-1/4"	31
D	**B66-681**	FVXS12WVJU9	Floor Mounted	10,200	13,000	—	208/230	—	—	1/4"	3/8"	27-9/16"	23-5/8"	8-1/4"	31
D	**B66-682**	FVXS15WVJU9	Floor Mounted	15,000	18,000	—	208/230	—	—	1/4"	1/2"	27-9/16"	23-5/8"	8-1/4"	31
D	**B66-683**	FVXS18WVJU9	Floor Mounted	18,000	18,000	—	208/230	—	—	1/4"	1/2"	27-9/16"	23-5/8"	8-1/4"	31
MXS Series Multi-Zone Outdoor Heat Pump Units															
E	**B66-693**	2MXS18WMVJU9	—	18,000	18,500	2,151	208/230	15.5	20	1/4"	3/8"	34-1/4"	28-15/16"	12-5/8"	126
E	**B66-694**	3MXS24WMVJU9	—	24,000	24,000	2094	208/230	18.1	25	1/4"	3/8"	34-1/4"	28-15/16"	12-5/8"	140
E	**B66-695**	4MXS36WMVJU9	—	36,000	36,000	2611	208/230	20.9	25	1/4"	3/8"	34-1/4"	28-15/16"	12-5/8"	144
E	**B66-696**	5MXS48WVJU9	—	48,000	48,500	3684	208/230	30.8	35	1/4"	3/8"	43-5/16"	34-1/4"	18-1/8"	216
E	**B73-666**	RMXS48LVJU	—	48,000	54,000	3,740	208/230	27	30	3/8"	3/4"	35-7/16"	52-15/16"	12-5/8"	283
Aurora Multi-Zone Outdoor Heat Pump Units															
E	**B66-690**	2MXL18WMVJU9	—	18,000	18,500	2,151	208/230	17	20	1/4"	3/8"	34-1/4"	28-15/16"	12-5/8"	142
E	**B66-691**	3MXL24WMVJU9	—	24,000	24,000	2094	208/230	20.1	25	1/4"	3/8"	34-1/4"	28-15/16"	12-5/8"	143
E	**B66-692**	4MXL36WVJU9	—	36,000	36,600	3684	208/230	30.2	35	1/4"	3/8"	43-5/16"	34-1/4"	18-1/8"	214
E	**B67-397**	2MXLH18WVJU9	—	17,800	18,500	2,151	208/230	15.5	20	1/4"	3/8"	34-1/4"	28-15/16"	12-5/8"	143
E	**B67-398**	3MXLH24WVJU9	—	24,000	24,000	2094	208/230	17.5	25	1/4"	3/8"	34-1/4"	28-15/16"	12-5/8"	144
E	**B67-399**	4MXLH36WVJU9	—	34,400	36,600	3684	208/230	27	35	1/4"	3/8"	43-5/16"	34-1/4"	18-1/8"	216

DAIKIN SkyAir

Ductless Mini-Split Systems

NEW

SkyAir Series, Single-Zone, Air Conditioners and Heat Pumps, R410A

- Wall mount, DC ducted, round flow cassette, ceiling suspended and inverter ducted indoor models
- Brushless DC compressor
- Automatic operation for year-round comfort
- Intelligent eye infrared movement sensor
- Vertical auto swing air movement
- Humidity control
- Auto fan speed
- Econo mode for controlled energy consumption
- FAQ, FBQ, FCQ, FHQ, FTQ models do not include remote, must order **G36-601**
- All other indoor units include LCD wireless remote control
- 24-hour on/off timer
- Auto restart after power failure
- Self-diagnosis with digital display
- 10-year parts and 10-year compressor standard warranty
- 208-230V

Note: BtuH Heating shown for heat pump configuration


A


B


C


D


E


F

Fig.	Order #	Mfg. #	Style	BtuH Cooling	BtuH Heating	CFM High	Volts	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
Single-Zone Wall Mount Indoor Units														
A	**B61-632**	FAQ18TAVJU	Wall Mounted	18,000	20,000	—	208/230	—	3/8"	5/8"	41-3/8"	11-3/8"	9-1/4"	31
A	**B61-633**	FAQ24TAVJU	Wall Mounted	24,000	27,000	—	208/230	—	3/8"	5/8"	41-3/8"	11-3/8"	9-1/4"	31
Single-Zone Round Flow Ceiling Cassette Indoor Units														
B	**B66-887**	FCQ18AAVJU	Round Flow Ceiling Cassette	18,000	20,000	—	208/230	—	3/8"	5/8"	33-1/16"	9-11/16"	33-1/16"	51
B	**B66-888**	FCQ24AAVJU	Round Flow Ceiling Cassette	24,000	27,000	—	208/230	—	3/8"	5/8"	33-1/16"	9-11/16"	33-1/16"	51
B	**B66-889**	FCQ30AAVJU	Round Flow Ceiling Cassette	30,000	34,000	—	208/230	—	3/8"	5/8"	33-1/16"	11-11/32"	33-1/16"	58
B	**B66-890**	FCQ36AAVJU	Round Flow Ceiling Cassette	36,000	40,000	—	208/230	—	3/8"	5/8"	33-1/16"	11-11/32"	33-1/16"	58
B	**B66-891**	FCQ42AAVJU	Round Flow Ceiling Cassette	42,000	47,000	—	208/230	—	3/8"	5/8"	33-1/16"	11-11/16"	33-1/16"	58
B	**B66-892**	FCQ48AAVJU	Round Flow Ceiling Cassette	48,000	54,000	—	208/230	—	3/8"	5/8"	33-1/16"	11-11/32"	33-1/16"	58
Single-Zone Ceiling Suspended Indoor Units														
C	**B73-393**	FHQ18PVJU	Ceiling Mounted	18,000	20,000	—	208/230	—	3/8"	5/8"	62-5/8"	7-11/16"	26-3/4"	90
C	**B73-394**	FHQ24PVJU	Ceiling Mounted	24,000	27,000	—	208/230	—	3/8"	5/8"	62-5/8"	7-11/16"	26-3/4"	90
C	**B73-395**	FHQ30PVJU	Ceiling Mounted	30,000	34,000	—	208/230	—	3/8"	5/8"	62-5/8"	7-11/16"	26-3/4"	90
C	**B73-396**	FHQ36MVJU	Ceiling Mounted	36,000	37,500	—	208/230	—	3/8"	5/8"	62-5/8"	7-11/16"	26-3/4"	90
C	**B73-397**	FHQ42MVJU	Ceiling Mounted	40,500	40,000	—	208/230	—	3/8"	5/8"	62-5/8"	7-11/16"	26-3/4"	90
Single-Zone DC Ducted Indoor Units														
D	**B66-881**	FBQ18TBVJU	Ducted	17,700	20,600	—	208/230	—	3/8"	5/8"	39-3/8"	9-11/16"	31-1/2"	77
D	**B66-882**	FBQ24TBVJU	Ducted	23,400	27,400	—	208/230	—	3/8"	5/8"	39-3/8"	9-11/16"	31-1/2"	82
D	**B66-883**	FBQ30TBVJU	Ducted	28,400	34,800	—	208/230	—	3/8"	5/8"	55-1/8"	9-11/16"	31-1/2"	101
D	**B66-884**	FBQ36TBVJU	Ducted	35,000	40,000	—	208/230	—	3/8"	5/8"	55-1/8"	9-11/16"	31-1/2"	101
D	**B66-885**	FBQ42TBVJU	Ducted	40,000	47,000	—	208/230	—	3/8"	5/8"	55-1/8"	9-11/16"	31-1/2"	104
D	**B66-886**	FBQ48TBVJU	Ducted	46,500	54,000	—	208/230	—	3/8"	5/8"	55-1/8"	9-11/16"	31-1/2"	104
Single-Zone Air Handler Units														
E	**B68-847** ◀	FTQ18TBVJUA	Air Handler	18,000	20,000	—	208/230	—	3/8"	5/8"	22"	48-1/8"	26"	161
E	**B68-848** ◀	FTQ24TBVJUA	Air Handler	24,000	27,000	—	208/230	—	3/8"	5/8"	22"	48-1/8"	26"	161
E	**B68-849** ◀	FTQ30TBVJUA	Air Handler	30,000	34,000	—	208/230	—	3/8"	5/8"	22"	58-1/4"	26"	192
E	**B68-850** ◀	FTQ36TBVJUA	Air Handler	36,000	40,000	—	208/230	—	3/8"	5/8"	22"	58-1/4"	26"	192
E	**B68-851** ◀	FTQ42TBVJUA	Air Handler	40,000	47,000	—	208/230	—	3/8"	5/8"	22"	58-1/4"	26"	203
E	**B68-852** ◀	FTQ48TBVJUA	Air Handler	48,000	—	—	208/230	—	3/8"	5/8"	22"	58-1/4"	26"	203
Single-Zone Air Handler Units with Factory Installed Disconnect														
E	**B68-841** ◀	FTQ18TBVJUD	Air Handler	18,000	20,000	—	208/230	—	3/8"	5/8"	22"	48-1/8"	26"	161
E	**B68-842** ◀	FTQ24TBVJUD	Air Handler	24,000	27,000	—	208/230	—	3/8"	5/8"	22"	48-1/8"	26"	161
E	**B68-843** ◀	FTQ30TBVJUD	Air Handler	30,000	34,000	—	208/230	—	3/8"	5/8"	22"	58-1/4"	26"	192
E	**B68-844** ◀	FTQ36TBVJUD	Air Handler	36,000	40,000	—	208/230	—	3/8"	5/8"	22"	58-1/4"	26"	192
E	**B68-845** ◀	FTQ42TBVJUD	Air Handler	40,000	47,000	—	208/230	—	3/8"	5/8"	22"	58-1/4"	26"	203
E	**B68-846** ◀	FTQ48TBVJUD	Air Handler	48,000	—	—	208/230	—	3/8"	5/8"	22"	58-1/4"	26"	203

continued on next page

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Fig.	Order #	Mfg. #	Style	BtuH Cooling	BtuH Heating	CFM High	Volts	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
Single-Zone Outdoor Heat Pump Units														
F	**B68-829**	RZQ18TBVJUB	—	17,700	20,600	2,862	208/230	15	3/8"	5/8"	37"	39"	12-5/8"	172
F	**B68-830**	RZQ24TBVJUB	—	23,400	27,400	2,862	208/230	15	3/8"	5/8"	37"	39"	12-5/8"	172
F	**B68-831**	RZQ30TBVJUB	—	28,400	34,800	3,741	208/230	15	3/8"	5/8"	35-7/16"	52-15/16"	12-5/8"	225
F	**B68-832**	RZQ36TBVJUB	—	35,000	40,000	3,741	208/230	15	3/8"	5/8"	35-7/16"	52-15/16"	12-5/8"	225
F	**B68-833**	RZQ42TBVJUB	—	40,000	47,000	3,741	208/230	15	3/8"	5/8"	35-7/16"	52-15/16"	12-5/8"	225
F	**B68-834**	RZQ48TBVJUB	—	46,500	54,000	3,741	208/230	15	3/8"	5/8"	35-7/16"	52-15/16"	12-5/8"	225
Single-Zone Outdoor Cooling Only Units														
F	**B68-835**	RZR18TBVJUB	—	17,700	—	2,682	208/230	15	3/8"	5/8"	37"	39"	12-5/8"	172
F	**B68-836**	RZR24TBVJUB	—	23,400	—	2,682	208/230	15	3/8"	5/8"	37"	39"	12-5/8"	172
F	**B68-837**	RZR30TBVJUB	—	28,400	—	3,741	208/230	15	3/8"	5/8"	35-7/16"	52-15/16"	12-5/8"	225
F	**B68-838**	RZR36TBVJUB	—	35,000	—	3,741	208/230	15	3/8"	5/8"	35-7/16"	52-15/16"	12-5/8"	225
F	**B68-839**	RZR42TBVJUB	—	40,000	—	3,741	208/230	15	3/8"	5/8"	35-7/16"	52-15/16"	12-5/8"	225
F	**B68-840**	RZR48TBVJUB	—	46,500	—	3,741	208/230	15	3/8"	5/8"	35-7/16"	52-15/16"	12-5/8"	225

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AOU18RLXFZH

Connect 2 indoor units

AOU18RLXFZ / AOU18RLXFZH		
ZONE 1	ZONE 2	TOTAL
7	7	14
7	9	16
7	12	
9	9	
9		

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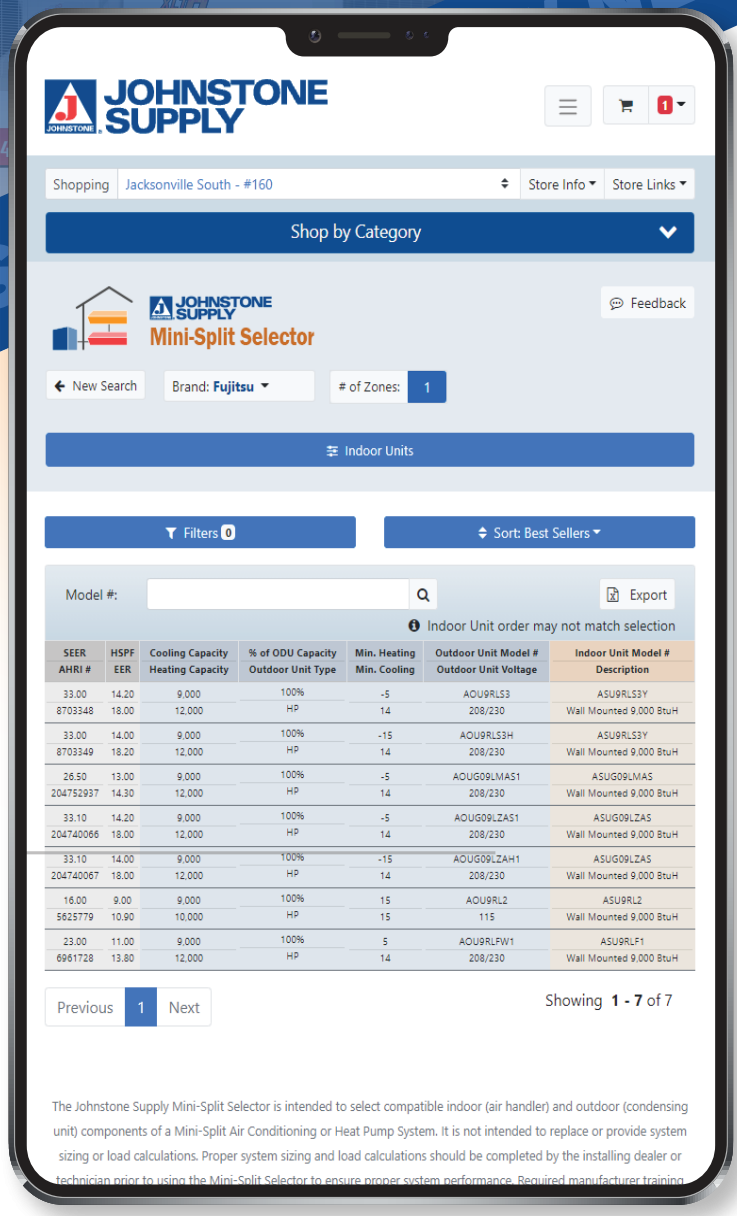
NEW



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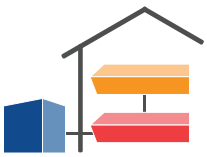

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Daikin Extended Warranties

- For use with Daikin mini-splits only

Order #	Mfg. #	Description	For Use With
B21-067	DDO10L-NT	10 year outdoor unit labor warranty	Daikin Mini-Split
B21-068	DDO10PL-T	10 year outdoor unit part warranty	Daikin Mini-Split
B21-069	DDI10L-NT	10 year indoor unit labor warranty	Daikin Mini-Split
B21-070	DDI10PL-T	10 year indoor unit part warranty	Daikin Mini-Split
B21-071	DDO12L-NT	12 year outdoor unit labor warranty	Daikin Mini-Split
B21-072	DDO12PL-T	12 year outdoor unit part warranty	Daikin Mini-Split
B21-073	DDUE5-NT	Warranty replacement 5 year	Daikin Mini-Split
B21-074	DDUE12-NT	Warranty replacement 12 year	Daikin Mini-Split
B21-075	DDI12L-NT	12 year indoor unit labor warranty	Daikin Mini-Split
B21-076	DDI12PL-T	12 year indoor unit part warranty	Daikin Mini-Split

Mini-Split Accessories and Controls

- Used for field installation on Daikin Mini-Split Systems



A



B



C



D

Fig.	Order #	Mfg. #	Description	For Use With
—	**L50-904**	DTST-ONE-ADA-A	Daikin One+ Smart Thermostat for Ductless Products	FTX_N, FTX_U, FTK_N, FVXS, FTXR, FTXG, FTXS, CTXS, FDXS, CDXS, FDMQ_RVJU, FFQ_Q2VJU, SkyAir, VRV Life, VRV Models
A	**B21-509**	AZAI6WSCDKA	DKN Cloud Wi-Fi Adaptor	FDMQ_RVJU, FFQ_Q2VJU, SkyAir, VRV Life, VRV
A	**B22-224**	AZAI6WSCDKB	DKN Residential Cloud Wi-Fi Adaptor for Single- and Multi-Zone System (S21)	FTX, FTK, FVXS, FTXR, FTXS, CTXS, FDXS and CDXS Models
A	**B22-216**	AZAI6WSPDKC	DKN Plus Interface	FTX, FTK, FVXS, FTXR, FTXS, CTXS, FDXS, CDXS, FDMQ_RVJU, FFQ_Q2VJU, SkyAir, VRV Life, VRV Models
B	**L47-419**	DZK-ZTS-2-W	Wireless Thermostat	DZK Zoning Kits
C	**G36-446**	BRC944B2	Wired Remote Control	FTXN, FTKN, FTX, FTK, FVXS, FTXR, FTXG, FTXS, CTXS, FDXS and CDXS Models
D	**G36-601**	BRC1E73	Navigation Remote Control	FFQ-Q2 Cassettes, FTQ, FHQ, FCQ, FBQ, FAQ, FDMQ
—	**B19-641**	KRP980B2E	Adapter For Remote	FTKN, FTK, FTXN, FTX; 15, 18 & 24
—	**L51-031**	BRC1H71W	Madoka Remote Controller	FDMQ, FFQ, FAQ, FBQ, FCQ, FHQ, FTQ
—	**B19-642**	KRP067A41E	Adapter For Remote	FTKN, FTXN, FTX, FTK; 09 & 12
—	**L46-521**	KRCS01-4B	Remote Sensor Kit	All Ducted Indoor if Required
—	**B20-572**	BRYQ60A2S	Occupancy Sensor	FFQ-C, FFQ-Q2 Cassettes
—	**B20-573**	BRYQ60A2W	Occupancy Sensor	FFQ-C, FFQ-Q2 Cassettes
—	**B20-666**	BRC082A42W	White Wireless Controller	FFQ-Q2 Cassettes with BYFQ60C2W1W
—	**B20-667**	BRC082A42S	Silver Wireless Controller	FFQ-Q2 Cassettes with BYFQ60C2W1S
—	**B20-668**	BRC082A41W	White Wireless Controller	FFQ-Q2 Cassettes with BYFQ60B3W1
—	**L48-291**	BRC7E818	Controller Wireless	FAQ
—	**B21-398**	BRC082A43	Wireless Remote Controller	FDMQ
—	**B21-399**	BRC7E83	Remote Control	FXHQ, FHQ
—	**G80-776**	DACA-ARCW901P10	IR Receiver Cable 10'	FDXS09/12 and CDXS15/18/24
—	**G80-777**	DACA-BRCW901P10	Remote Control Cable 10'	With BRC944B2-A08
—	**G80-778**	DACA-BRCW901P25	Remote Control Cable 25'	With BRC944B2-A08
—	**G80-817**	DACA-ARCW901P25	IR Receiver Cable 25'	FDXS09/12 and CDXS15/18/24
—	**G95-157**	DACA-PCWBLACK-1	Control Wire 1000'	All Sky Air
—	**G80-822**	KHRP26A22TA	Refnet Pipe Fitting	B73-666 (RMXS48LVJU)
—	**L50-230**	KRCS01-2UA	Remote Temperature Sensor	FXDQ, FXMQ, FXSQ, FXFQ, FXZQ
—	**L46-522**	KRP980B1	Interface Adaptor	For DIII Net or BAS Systems
—	**L46-631**	KER26A60	Electric Heater Connection	FTQ
—	**L46-701**	DACA-WB-3	Wall Mounted Bracket	All Outdoor Units 500lbs or Less
—	**L81-823**	DACA-WB-1	Wall Mount Bracket	RK, RKN, RX-Q, RX-N, RXL, RXN
—	**L94-549**	DFK-B	Downflow Kit	Daikin Equipment Air Handlers
—	**L94-550**	DFK-C	Downflow Kit	Daikin Equipment Air Handlers

Multi-Plus Port Boxes


A


B

Fig.	Order #	Mfg. #	Description	For Use With
A	**B18-443**	BPMKS048A2U	2 Port BP Multi-Split Box	Daikin Equipment VRV Systems
B	**B18-444**	BPMKS049A3U	3 Port BP Multi-Split Box	Daikin Equipment VRV Systems

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Filters

• Used for field installation on Daikin Mini-Split Systems



Order #	Mfg. #	Description	For Use With
L81-821	KAF970A45	Air Filter With Frame	Daikin Equipment
L81-822	KAF970A46	Air Filter	Daikin Equipment

Order #	Mfg. #	Description	For Use With
L81-826	KAF968B42	Air Filter	Daikin Equipment

Snow Protection Hoods

• Used for field installation on Daikin and SkyAir Mini-Split Systems

Order #	Mfg. #	Description	For Use With
B86-831	KPS067A41	Side Plate	RXL09 - 12QMVJU
B86-832	KPS063A41	Side Plate	RXL15QMVJUA, 2,3MXL , 2,3,4MXS
B87-512	KPS00302	Side Plate	RZR18 - 24TAVJUA, RZQ18 - 24TAVJUA
B87-515	KPS00402	Side Plate	RZR30 - 48TAVJUA, RZQ30 - 48TAVJUA
B86-833	KPS067A42	Rear Plate	RXL09 - 12QMVJU
B86-834	KPS063A44	Rear Plate	RXL15QMVJUA, 2,3MXL , 2,3,4MXS
B87-513	KPS00303	Rear Plate	RZR18 - 24TAVJUA, RZQ18 - 24TAVJUA

Order #	Mfg. #	Description	For Use With
B87-516	KPS00403	Rear Plate	RZR30 - 48TAVJUA, RZQ30 - 48TAVJUA
B87-511	KPS00301	Front Plate	RZR18 - 24TAVJUA, RZQ18 - 24TAVJUA
B87-514	KPS00401	Front Plate	RZR30 - 48TAVJUA, RZQ30 - 48TAVJUA
B86-835	KPS067A44	Outlet	RXL09 - 12QMVJU
B86-836	KPS063A47	Outlet	RXL15QMVJUA, 2,3MXL , 2,3,4MXS
B87-517	KPS00344	Snow Visor	RZR18 - 48TAVJUA, RZQ18 - 48TAVJUA

Wind Baffles

• Used for field installation on Daikin and SkyAir Mini-Split Systems



Order #	Mfg. #	Description	For Use With
L81-825	KPW937F4	Low Ambient Wind Baffle	RK09 - 12NMVJU, RX09 - 12NMVJU, RK09 - 12AXVJU, RX09 - 12AXVJU, RXS09 - 12, RXG09 - 12, RXL09 - 12
X82-570	KPW945B4	Low Ambient Wind Baffle	RXS15 - 24LVJU
X82-569	KPW5F80	Low Ambient Wind Baffle	RZQ, RZR, RKS30LVJU
X82-568	KPW5G112	Low Ambient Wind Baffle	RXS30 - 36LVJU
L82-201	KPW082A41	Low Ambient Wind Baffle	4MXL36TVJU, 5MXS48TVJU
L81-824	KPW063B4	Low Ambient Wind Baffle Kit	RK18 - 36NMVJUA, RX18 - 36NMVJUA, 2 - 4MXS, 2 - 3MXL, RXL15 - 24, RX15 - 24RMVJU(9)A

Décor Panels

• For installation of SkyAir Round Flow Ceiling Cassette units



A B C D

Fig.	Order #	Mfg. #	Description	For Use With
A	**B21-401**	BYCQ125BGW1	Self Cleaning Decoration Panel	FXFQ_TVJU
B	**B21-400**	BYCQ125B-W1	Decoration Panel	FXFQ_TVJU
C	**B20-574**	BYFQ60C2W1S	Silver Décor Panel Kit	FFQ_Q2VJU Cassettes
D	**B20-575**	BYFQ60C2W1W	White Décor Panel Kit	FFQ_Q2VJU Cassettes

DAIKIN

Drain Pan Heaters

- Used for field installation on Daikin Mini-Split Systems
- The Bottom Plate Heater Kits are for applications with heating operating hours seen between 17°F and 32°F (-8°C – 0°C) coupled with large amounts of snowfall



Order #	Mfg. #	Description	For Use With
L46-703	KEH041A41	Drain Pan Heater	RXS09 Through RXS12
L46-704	KEH041A42	Drain Pan Heater	RXS15L Through RXS18L
L46-705	KEH041A43	Drain Pan Heater	RXS24L
L46-706	KEH041A44	Drain Pan Heater	RXS30L Through RXS36L
L46-708	KEH041A46	Drain Pan Heater	RXN09KE Through RXN12KE
L46-709	KEH041A47	Drain Pan Heater	RXN15KE Through RXN24KE
L46-710	KEH041A48	Drain Pan Heater	RXS15D Through RXS24D
L46-711	KEH041A49	Drain Pan Heater	RXS30H Through RXS36H
L48-031	KEH067A41E	Drain Pan Heater Small	RX09NMVJU and RX12NMVJU
L48-032	KEH063A4EA	Drain Pan Heater Large	RX18NMVJU, RX24NMVJU, RX18AXVJU, RX24AXVJU, 2MXS18NMVJUA, 3MXS24NMVJUA, 4MXS36NMVJUA
L82-202	KEH082A41A	Drain Pan Heater	2/3/4MXS & 2/3MXL
L48-289	KEHC082A41	Ultra Low Ambient Kit	RKS30LVJU
B19-646	KKP937A4	Drain Plug	RK, RKN, RX-Q, RX-N, RXG, RXL, RXN, RXS

Bosch Ductless Mini-Split Systems

BOSCH
Invented for life


A


B


C


D

Ductless Mini-Split Systems

BMS5000 Series, Up to 28.1 SEER2, Single and Multi-Zone, Mini-Split Heat Pumps, R410A

- 100% heating capacity between -5ºF and 5ºF, depending on system configuration
- No additional accessory needed for Low Ambient Cooling operation down to -22ºF with MAX Performance System (Maximum 107% Cooling capacity at -22ºF)
- Whisper quiet operation: ODU as low as 53 dB, IDU as low as 23 dB(2)
- Wired wall thermostat (**L51-392**)
- 24V Interface for use with 24V thermostat
- Intelligent Eye (Wall-Mounted Indoor Unit)
- Factory installed base pan heater for all ODU models
- Built in condensate (lift) pump for Cassette & Ducted IDU's
- Compatible with the Bosch Connected Control (BCC) Wi-Fi Thermostat family (**L50-706**, **L50-707**)
- 10-year compressor & 10-year parts residential warranty

Fig.	Order #	Mfg. #	Style	BtuH Cooling	BtuH Heating	CFM High	Volts	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	Energy Star
Single and Multi-Zone Wall Mounted Indoor Units															
A	**B66-701**	BMS500-AAU006-1AHWXC	Wall	6000	7000	—	208/230	—	1/4"	3/8"	9-1/12"	11-3/4"	33-4/10"	26	—
A	**B66-702**	BMS500-AAU009-1AHWXC	Wall	9000	10000	—	208/230	—	1/4"	3/8"	9-1/12"	11-3/4"	33-4/10"	26	—
A	**B66-703**	BMS500-AAS012-0AHWXC	Wall	12000	12000	—	115	—	1/4"	1/2"	9-1/12"	11-3/4"	33-4/10"	26	—
A	**B66-704**	BMS500-AAU012-1AHWXC	Wall	12000	12000	—	208/230	—	1/4"	1/2"	9-1/12"	11-3/4"	33-4/10"	26	—
A	**B66-705**	BMS500-AAU018-1AHWXC	Wall	18000	19000	—	208/230	—	1/4"	1/2"	9-1/2"	12-7/12"	40-1/12"	29	—
A	**B66-706**	BMS500-AAU024-1AHWXC	Wall	24000	25000	—	208/230	—	3/8"	5/8"	10-11/12"	14-7/12"	46-4/5"	49	—
A	**B66-707**	BMS500-AAU030-1AHWXC	Wall	30000	30000	—	208/230	—	3/8"	5/8"	10-11/12"	14-7/12"	46-5/6"	49	—
A	**B66-708**	BMS500-AAU036-1AHWXC	Wall	36000	36000	—	208/230	—	3/8"	5/8"	10-11/12"	14-7/12"	46-5/6"	49	—
Single-Zone Cassette Indoor Units															
B	**B66-714**	BMS500-AAU036-1AHCXC	Cassette	36,000	38,000	—	208/230	—	3/8"	5/8"	37-4/10"	2-1/6"	37-4/10"	14	—
B	**B66-715**	8733956931	Cassette	36,000	38,000	—	208/230	—	3/8"	5/8"	37-4/10"	2-1/6"	37-4/10"	22	—
B	**B66-716**	BMS500-AAU048-1AHCXC	Cassette	48,000	50,000	—	208/230	—	3/8"	5/8"	37-4/10"	2-1/6"	37-4/10"	14	—
B	**B66-717**	8733956932	Cassette	48,000	50,000	—	208/230	—	3/8"	5/8"	37-4/10"	2-1/6"	37-4/10"	22	—
Single and Multi-Zone Cassette Indoor Units															
B	**B66-709**	BMS500-AAU009-1AHCXB	Cassette	9000	10000	—	208/230	—	1/4"	3/8"	22-5/12"	10-1/4"	22-5/12"	41	—
B	**B66-710**	BMS500-AAU012-1AHCXB	Cassette	12000	12000	—	208/230	—	1/4"	1/2"	22-5/12"	10-1/4"	22-5/12"	41	—
B	**B66-711**	BMS500-AAU018-1AHCXB	Cassette	16000	18500	—	208/230	—	1/4"	1/2"	22-5/12"	10-1/4"	22-5/12"	41	—
B	**B66-712**	BMS500-AAU024-1AHCXC	Cassette	24000	35000	—	208/230	—	3/8"	5/8"	37-4/10"	2-1/6"	37-4/10"	14	—
B	**B66-713**	8733956930	Cassette	24000	25000	—	208/230	—	3/8"	5/8"	37-4/10"	2-1/6"	37-4/10"	22	—

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Fig.	Order #	Mfg. #	Style	BtuH Cooling	BtuH Heating	CFM High	Volts	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	Energy Star
Single-Zone Ducted Indoor Units															
C	**B66-722**	BMS500-AAU036-1AHDXB	Ducted	36,000	40,000	—	208/230	—	3/8"	5/8"	30"	10"	54"	122	—
C	**B66-723**	BMS500-AAU048-1AHDXB	Ducted	48,000	50,000	—	208/230	—	3/8"	5/8"	34-3/8"	11-7/8"	47-1/4"	142	—
C	**B66-724**	BMS500-AAU060-1AHDXB	Ducted	57,000	60,000	—	208/230	—	3/8"	5/8"	33-3/4"	17-1/3"	55-1/8"	190	—
Single and Multi-Zone Ducted Indoor Units															
C	**B66-718**	BMS500-AAU009-1AHDXB	Ducted	9000	10000	—	208/230	—	1/4"	3/8"	17-3/4"	7-5/6"	27-7/12"	49	—
C	**B66-719**	BMS500-AAU012-1AHDXB	Ducted	12000	12000	—	208/230	—	1/4"	1/2"	17-3/4"	7-5/6"	27-7/12"	49	—
C	**B66-720**	BMS500-AAU018-1AHDXB	Ducted	18000	20000	—	208/230	—	1/4"	1/2"	28-1/2"	8-1/4"	34-5/8"	66	—
C	**B66-721**	BMS500-AAU024-1AHDXB	Ducted	24000	24600	—	208/230	—	3/8"	5/8"	30"	10"	43"	103	—
Single-Zone Outdoor Heat Pump Units															
D	**B66-725**	BMS500-AAS009-1CSXRC	—	9,000	10,000	353	208/230	15	1/4"	3/8"	11-9/10"	21-17/20"	30-3/25"	63.70	Y
D	**B66-727**	BMS500-AAS012-0CSXRC	—	12,000	12,000	794	115	25	1/4"	1/2"	11-9/10"	21-17/20"	30-3/25"	66.80	Y
D	**B66-728**	BMS500-AAS012-1CSXRC	—	12,000	12,000	1,294	208/230	15	1/4"	1/2"	11-9/10"	21-17/20"	30-3/25"	63.70	—
D	**B66-730**	BMS500-AAS018-1CSXRC	—	18,000	19,000	1,765	208/230	25	1/4"	1/2"	13-1/2"	26-1/2"	35"	95.00	—
D	**B66-734**	BMS500-AAS024-1CSXRC	—	24,000	25,000	2,235	208/230	30	3/8"	5/8"	16-3/20"	31-9/10"	37-1/4"	124.80	Y
D	**B66-738**	BMS500-AAS030-1CSXRC	—	30,000	30,000	2,235	208/230	30	3/8"	5/8"	16-3/20"	31-9/10"	37-1/4"	141.76	Y
D	**B66-740**	BMS500-AAS036-1CSXLC	—	36,000	38,000	2,118	208/230	45	3/8"	5/8"	16-3/20"	31-9/10"	37-1/4"	155.42	Y
D	**B66-739**	BMS500-AAS036-1CSXRC	—	36,000	36,000	2,235	208/230	35	3/8"	5/8"	16-3/20"	31-9/10"	37-1/4"	150.13	Y
D	**B66-743**	BMS500-AAS048-1CSXLC	—	48,000	50,000	4,500	208/230	50	3/8"	5/8"	16-1/3"	52-1/2"	37-1/2"	219.14	Y
D	**B66-746**	BMS500-AAS060-1CSXLC	—	59,000	60,000	4,412	208/230	50	3/8"	5/8"	16-1/3"	52-1/2"	37-1/2"	225	Y
Multi-Zone Outdoor Heat Pump Units															
D	**B66-732**	BMS500-AAM018-1CSXRC	—	18,000	19,000	1,765	230	25	1/4"	3/8"	13-15/32"	26-1/2"	35-1/32"	100.31	Y
D	**B66-736**	BMS500-AAM027-1CSXRC	—	28,000	28,000	2,129	230	30	1/4"	3/8"	161/8"	31-7/8"	37-1/4"	139.77	Y
D	**B66-741**	BMS500-AAM036-1CSXRC	—	36,000	37,000	2,147	230	40	1/4"	3/8"	16-1/8"	31-7/8"	37-1/4"	169.09	Y
D	**B66-745**	BMS500-AAM048-1CSXRC	—	48,000	48,000	4,500	230	60	1/4"	3/8"	16-11/32"	52-15/32"	37-15/32"	225.53	Y
Single-Zone Outdoor Heat Pump Units MAX Performance															
D	**B66-726**	BMS500-AAS009-1CSXHC	—	9,000	12,000	1,324	208/230	15	1/4"	3/8"	13"	21-8/10"	31-7/10"	74.10	Y
D	**B66-729**	BMS500-AAS012-1CSXHC	—	12,000	12,000	1,324	208/230	15	1/4"	1/2"	13"	21-8/10"	31-7/10"	73.63	Y
D	**B66-731**	BMS500-AAS018-1CSXHC	—	18,000	18,000	1,765	208/230	25	1/4"	1/2"	13-1/2"	26-1/2"	35"	100.97	—
D	**B66-735**	BMS500-AAS024-1CSXHC	—	24,000	29,000	2,235	208/230	35	3/8"	5/8"	16-3/20"	31-9/10"	37-1/4"	134.48	Y
Multi-Zone Outdoor Heat Pump Units MAX Performance															
D	**B66-733**	BMS500-AAM018-1CSXHC	—	19,000	20,000	2,129	230	25	1/4"	3/8"	16-1/8"	31-7/8"	37-1/4"	138.23	Y
D	**B66-737**	BMS500-AAM027-1CSXHC	—	28,000	28,000	2,147	230	40	1/4"	3/8"	16-1/8"	31-7/8"	37-1/4"	167.99	Y
D	**B66-742**	BMS500-AAM036-1CSXHC	—	36,000	37,000	4,500	230	60	1/4"	3/8"	16-11/32"	52-15/32"	37-15/32"	223.11	Y
D	**B66-744**	8733956204	—	48,000	49,000	4,500	230	50	1/4"	3/8"	16-11/32"	52-15/32"	37-15/32"	238.32	Y

Ductless Mini-Split Systems

Floating Air® Select, Up To 18 SEER, Single-Zone, Heat Pumps, R410A

- Ideal for commercial and residential applications
- Advanced inverter technology
- Auto swing-louvers (up/down/side-to-side)
- Low-ambient operation built-in
- Continuous Air Sweep
- Auto-restart after power interruptions
- Washable, reusable air filters
- Auto-changeover (heat pump models)

Note: **Please visit www.JohnstoneSupply.com for new models


A


B


C


D

Fig.	Order #	Mfg. #	Style	BtuH Cooling	BtuH Heating	CFM High	Volts	Amps Cooling	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
Single Zone Indoor Units															
A	**B61-504**	FSHSW09A1A	Wall Mounted	9,000	9,500	—	115	—	—	1/4"	3/8"	31-1/8"	10-7/8"	8"	20.9
A	**B61-506**	FSHSW12A1A	Wall Mounted	12,000	13,000	—	115	—	—	1/4"	3/8"	31-1/8"	11-3/8"	8"	23.2
A	**B61-508**	FSHSW18A3A	Wall Mounted	18,000	19,800	—	208/230	—	—	1/4"	1/2"	38"	11-7/8"	9"	30.9
A	**B61-510**	FSHSW24A3A	Wall Mounted	24,000	24,000	—	208/230	—	—	1/4"	5/8"	42-1/2"	12-7/8"	10"	37.5
B	**B61-512**	FSHSW36A3A	Wall Mounted	36,000	36,000	—	208/230	—	—	1/4"	5/8"	53-1/8"	12-7/8"	10"	42
Single Zone Outdoor Units															
C	**B61-505**	FSHSR09A1A	—	9,724	9,500	318	115	10.87	25	1/4"	3/8"	33-4/9"	21-1/4"	12-5/8"	62.8
C	**B61-507**	FSHSR12A1A	—	12,500	13,000	400	115	13	30	1/4"	3/8"	33-4/9"	21-1/4"	12-5/8"	67.3
C	**B61-509**	FSHSR18A3A	—	18,000	19,800	500	208/230	8.1	25	1/4"	1/2"	37-5/8"	27-5/8"	15-5/8"	97
C	**B61-511**	FSHSR24A3A	—	24,000	24,000	588	208/230	17	25	1/4"	5/8"	37-5/8"	27-5/8"	15-5/8"	103.6
D	**B61-513**	FSHSR36A3A	—	35,997	34,600	883	208/230	10.87	40	1/4"	5/8"	38-5/8"	31-1/8"	16-4/5"	161

Ductless Mini-Split Systems

Floating Air® Pro, Up To 21.5 SEER, Single and Multi-Zone, Heat Pumps, R410A

- Ideal for commercial and residential applications
- Fast Pro® technology
- Auto swing-louvers (up/down/side-to-side)
- Auto Restart
- Low ambient operation built-in
- Continuous Air Sweep
- Washable, reusable air filters

Note: **Please visit www.JohnstoneSupply.com for new models


A


B


C


D


E


F


G

Fig.	Order #	Mfg. #	Style	BtuH Cooling	BtuH Heating	CFM High	Volts	Amps Cooling	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	Energy Star
Single Zone Indoor Units																
A	**B62-705**	FPHSW12A1B	Wall Mounted	12,000	13,000	—	115	—	—	1/4"	3/8"	33-7/8"	11-1/8"	8-1/2"	20	Y
A	**B64-296**	FPHSW36A3C	Wall Mounted	35,000	35,000	—	230/208	—	—	3/8"	5/8"	50-5/8"	13-5/8"	10-1/4"	40	—
C	**B62-771**	FPHSC36A3B	Ceiling Cassette	36,000	42,600	—	230/208	—	—	3/8"	3/4"	33-1/8"	16-1/2"	33"	70	—
B	**B62-770**	FPHSD36A3A	Ducted	36,000	36,000	—	230/208	—	—	3/8"	3/4"	51-1/8"	13-3/4"	31-1/2"	112	—
Single and Multi-Zone Indoor Units																
D	**B62-707**	FPHFC09A3B	Ceiling Cassette	9,000	10,200	—	230/208	—	—	1/4"	3/8"	22-1/2"	8-1/2"	22-1/2"	32	Y
D	**B62-708**	FPHFC12A3B	Ceiling Cassette	12,000	13,500	—	230/208	—	—	1/4"	3/8"	22-1/2"	8-1/2"	22-1/2"	34	Y
C	**B62-709**	FPHFC18A3B	Ceiling Cassette	18,000	19,000	—	230/208	—	—	1/4"	1/2"	33-1/8"	9-3/4"	33-1/8"	56	Y
C	**B62-710**	FPHFC24A3B	Ceiling Cassette	24,000	24,000	—	230/208	—	—	3/8"	5/8"	33-1/8"	9-3/4"	33-1/8"	60	Y
B	**B61-476**	FPHFD09A3A	Ducted	9,000	9,000	—	230/208	—	—	1/4"	3/8"	35-7/8"	7-1/2"	17-5/8"	40	—
B	**B61-477**	FPHFD12A3A	Ducted	12,000	12,000	—	230/208	—	—	1/4"	3/8"	35-7/8"	7-1/2"	17-5/8"	40	—
B	**B61-478**	FPHFD18A3A	Ducted	18,000	18,000	—	230/208	—	—	1/4"	1/2"	46-1/2"	7-1/2"	17-5/8"	50	—
B	**B62-769**	FPHFD24A3A	Ducted	24,000	28,000	—	230/208	—	—	3/8"	5/8"	35-3/8"	10-5/8"	28-3/8"	66	—
A	**B62-699**	FPHFW09A3B	Wall Mounted	9,000	9,500	—	230/208	—	—	1/4"	3/8"	33-7/8"	11-1/8"	8-1/2"	20	Y
A	**B62-700**	FPHFW12A3B	Wall Mounted	12,000	13,000	—	230/208	—	—	1/4"	3/8"	33-7/8"	11-1/8"	8-1/2"	20	Y
A	**B62-701**	FPHFW18A3B	Wall Mounted	18,000	19,000	—	230/208	—	—	1/4"	1/2"	45-1/8"	13-1/8"	10"	33	Y
A	**B62-702**	FPHFW24A3B	Wall Mounted	24,000	24,000	—	230/208	—	—	3/8"	5/8"	45-1/8"	13-1/8"	10"	33	Y
A	**B62-706**	FPHMW07A3B	Wall Mounted	7,000	8,500	—	230/208	—	—	1/4"	3/8"	37-3/8"	10-3/4"	8-1/8"	19	Y
Single-Zone Outdoor Units - Wall Mount Systems																
E	**B61-492**	FPHSR12A1A	—	12,000	13,000	424	115	8.3	25	1/4"	3/8"	31-7/8"	23"	11"	82	Y
E	**B61-487**	FPHSR12A3A	—	12,000	13,000	424	230/208	4.3	15	1/4"	3/8"	31-7/8"	23"	11"	79	Y
E	**B61-488**	FPHSR18A3A	—	18,000	19,000	618	230/208	6.3	20	1/4"	1/2"	33-7/8"	25-1/2"	12-1/8"	99	Y
E	**B61-489**	FPHSR24A3A	—	23,500	26,000	735	230/208	8.3	30	3/8"	5/8"	34-7/8"	25-1/2"	14-3/8"	123	Y
F	**B64-297**	FPHSR36A3B	—	35,000	35,000	1,031	230/208	18.6	35	3/8"	5/8"	34-7/8"	31-1/4"	14-3/8"	142	—
Single-Zone Outdoor Units - Ceiling Cassette and Ducted Systems																
E	**B62-772**	FPHFR09A3A	—	9,000	11,000	309	230/208	3.7	20	1/4"	3/8"	37"	25"	22-1/4"	75	—
E	**B62-773**	FPHFR12A3A	—	12,000	12,000	338	230/208	4.8	30	1/4"	3/8"	37"	25"	11-1/4"	75	—
F	**B62-774**	FPHFR18A3A	—	18,000	18,000	529	230/208	7	30	1/4"	1/2"	39"	17-3/4"	11"	108	—
E	**B61-498**	FPHFR24A3A	—	24,000	24,000	647	230/208	8.6	30	3/8"	5/8"	43"	36-1/4"	13-3/8"	155	Y
E	**B61-499**	FPHFR36A3A	—	36,000	36,000	853	230/208	14.4	50	3/8"	3/4"	43"	36-1/4"	37"	192	—
Multi-Zone Outdoor Units																
F	**B62-711**	FPHMR18A3A	—	18,000	18,000	1,850	208/230	6.5	30	1/4"	3/8"	33-7/8"	26-3/8"	12-1/4"	108	Y
F	**B61-493**	FPHMR24A3A	—	24,000	24,000	2,350	208/230	8.7	30	1/4"	3/8"	37-3/8"	33"	13-3/8"	159	Y
G	**B61-494**	FPHMR36A3A	—	32,000	36,000	3,411	208/230	11	50	1/4"	3/8"	37-3/8"	41-3/8"	13-3/8"	186	Y
G	**B64-283**	FPHMR42A3A	—	42,000	42,000	3,411	208/230	17.5	45	1/4"	3/8"	37-3/8"	41-3/8"	13-3/8"	198	—

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Ductless Mini-Split Systems

Floating Air® Premier, Up To 28 SEER, Single-Zone, Heat Pumps, R410A

- Ideal for commercial and residential applications
- Fast Pro® technology
- Auto swing-louvers (up/down)
- Low-ambient operation built-in
- Continuous Air Sweep
- Auto-restart after power interruptions
- Auto-shut flaps close when unit is off for a sleeker appearance
- Washable, reusable air filters
- Auto-changeover (heat pump models)



A



B

Fig.	Order #	Mfg. #	Style	BtuH Cooling	BtuH Heating	CFM High	Volts	Amps Cooling	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	Energy Star
Single Zone Indoor Units																
A	**B62-712**	FRHSW09A3B	Wall Mounted	9,000	10,500	—	230/208	—	—	1/4"	3/8"	33-7/8"	11-1/8"	8-1/2"	22	Y
A	**B62-713**	FRHSW12A3B	Wall Mounted	12,000	13,000	—	230/208	—	—	1/4"	3/8"	38-1/8"	13-1/8"	10"	29	Y
Single Zone Outdoor Units																
B	**B61-501**	FRHSR09A3A	—	9,000	10,500	416	230/208	2.3	15	1/4"	3/8"	37"	24 7/8"	15 1/8"	81.5	Y
B	**B61-503**	FRHSR12A3A	—	12,000	13,000	598	230/208	4.6	15	1/4"	3/8"	37"	24 7/8"	15 1/8"	92.5	Y

Ductless Accessories

- Used for field installation on Friedrich Ductless mini-splits



Order #	Mfg. #	Description	For Use With
B20-623	DFACC	Remote Control - Cooling Only	Floating Air Select Series

Cassette Grilles and Wall Mount Controllers



A



B



C



D

Fig.	Order #	Mfg. #	Description	For Use With	Rectangular
A	**B62-158**	FPCG0912	Decorative Ceiling Cassette Panel	FPHFC09A3A, FPHFC12A3A, FPHFC09A3B, FPHFC12A3B	Yes
B	**B62-159**	FPCG182436	Decoratice Ceiling Cassette Panel	FPHFC18A3A, FPHFC24A3A, FPHSC36A3A, FPHFC18A3B, FPHFC24A3B, FPHSC36A3B	Yes
C	**B23-286**	FPWC1	Wall Mount Controller	FPHSW09A1B, FPHSW12A1B, FPHFW09A3B, FPHFW12A3B, FPHFW18A3B, FPHFW24A3B, FPHFC09A3B, FPHFC12A3B, FPHFC18A3B, FPHFC24A3B, FPHSC36A3B, FRHSW09A3B, FRHSW12A3B, FPHMW07A3B	Yes
D	**B23-287**	FSWC1	Wall Mount Controller	FSHSW09A1A, FSHSW12A1A, FSHSW18A3A, FSHSW24A3A, FSHSW36A3A	Yes

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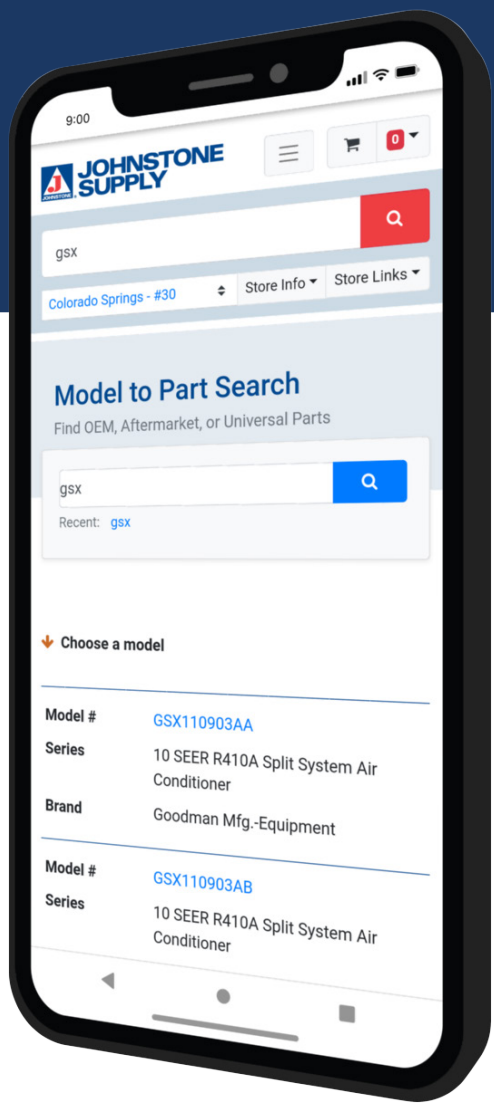

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Ductless Mini-Split Systems

16 SEER, Single-Zone, Air Conditioners and Heat Pumps, R410A

- Inverter-driven compressor
- Auto operation adjusts fan temperature to maintain the selected room temperature
- Multi-stage filtration
- Auto restart
- Hot start (heat pumps) prevents discharge of cold air during heat mode
- Quiet operation — outside compressor design
- 3-minute time delay at start to protect the compressor from short cycling
- Installation requires less than 3" diameter hole for connections
- Sleep mode and timer used to save energy
- Horizontal and vertical louvers can be set for air direction, includes auto swing
- Full feature remote control included


A


B

Fig.	Order #	Mfg. #	Style	BtuH Cooling	BtuH Heating	CFM High	Volts	Amps Cooling	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
Single Zone Indoor Units															
A	**B62-612**	B-SVH09SB-0	Wall Mounted	9,000	9,800	—	115	—	—	1/4"	3/8"	28-1/8"	11-1/4"	7-5/8"	15.9
A	**B62-614**	B-SVH12SB-0	Wall Mounted	12,000	12,000	—	115	—	—	1/4"	3/8"	31-5/8"	11-1/4"	7-5/8"	17.2
A	**B62-613**	B-SVH09SB-1	Wall Mounted	9,000	9,000	—	208/230	—	—	1/4"	3/8"	31-5/8"	11-1/4"	7-5/8"	15.9
A	**B62-615**	B-SVH12SB-1	Wall Mounted	12,000	12,000	—	208/230	—	—	1/4"	3/8"	31-5/8"	11-1/4"	7-5/8"	17.2
A	**B62-616**	B-SVH18SB-1	Wall Mounted	17,000	18,000	—	208/230	—	—	1/4"	1/2"	37-5/8"	11-7/8"	8-3/8"	22.9
A	**B62-617**	B-SVH24SB-1	Wall Mounted	24,000	24,000	—	208/230	—	—	3/8"	5/8"	40-7/8"	12-3/4"	8-5/8"	29.3
Single Zone Outdoor Units															
B	**B62-606**	A-SVH09SB-0	—	9,000	9,800	1058.82	115	7.5	20	1/4"	3/8"	28-3/8"	19-1/2"	10-5/8"	54.67
B	**B62-608**	A-SVH12SB-0	—	12,000	12,000	1058.82	115	11.89	20	1/4"	3/8"	28-3/8"	19-1/2"	10-5/8"	55.12
B	**B62-607**	A-SVH09SB-1	—	9,000	9,000	1058	208/230	4.45	20	1/4"	3/8"	28-3/8"	19-1/2"	10-5/8"	52.91
B	**B62-609**	A-SVH12SB-1	—	12,000	12,000	1058.82	208/230	5.92	15	1/4"	3/8"	28-3/8"	19-1/2"	10-5/8"	52.91
B	**B62-610**	A-SVH18SB-1	—	17,000	18,000	1235.29	208/230	7.6	20	1/4"	1/2"	31-1/8"	21-7/8"	11-7/8"	64.2
B	**B62-611**	A-SVH24SB-1	—	24,000	24,000	1764.71	208/230	12.3	25	3/8"	5/8"	35"	26-1/2"	13-1/2"	97.89

Ductless Mini-Split Systems

17 SEER, Single-Zone, Air Conditioners and Heat Pumps, R410A

- Inverter-driven compressor
- Auto operation adjusts fan temperature to maintain the selected room temperature
- Multi-stage filtration
- Auto restart
- Hot start (heat pumps) prevents discharge of cold air during heat mode
- Quiet operation — outside compressor design
- 3-minute time delay at start to protect the compressor from short cycling
- Installation requires less than 3" diameter hole for connections
- Sleep mode and timer used to save energy
- Horizontal and vertical louvers can be set for air direction, includes auto swing
- Full feature remote control included
- SG series are smartphone compatible


A


B

Fig.	Order #	Mfg. #	Style	BtuH Cooling	BtuH Heating	CFM High	Volts	Amps Cooling	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
Single-Zone Heat Pump Indoor Units															
A	**B64-317**	B-DVH09SG-0	Wall Mounted	9,000	9,500	—	115	—	—	1/4"	3/8"	28-7/16"	11-7/16"	7-3/8"	17.2
A	**B79-447**	B-DVH12SG-0	Wall Mounted	12,000	12,000	—	115	—	—	1/4"	1/2"	31-9/16"	11-11/16"	7-7/16"	18.7
A	**B64-318**	B-DVH09SG-1	Wall Mounted	9,000	9,500	—	208/230	—	—	1/4"	3/8"	28-7/16"	11-7/16"	7-3/8"	17.2
A	**B64-319**	B-DVH12SG-1	Wall Mounted	12,000	12,500	—	208/230	—	—	1/4"	1/2"	31-1/2"	11-7/16"	7-3/8"	19
A	**B79-448**	B-DVH18SG-1	Wall Mounted	18,000	18,000	—	208/230	—	—	1/4"	1/2"	38"	12-9/16"	8-1/2"	26
A	**B64-320**	B-DVH24SG-1	Wall Mounted	24,000	24,000	—	208/230	—	—	3/8"	5/8"	42-9/16"	13-3/16"	8-15/16"	30.2
Single-Zone Heat Pump Outdoor Units															
B	**B64-313**	A-DVH09SG-0	—	9,000	10,000	1176.47	115	7.0	20	1/4"	3/8"	11-3/7"	28-3/7"	7-1/3"	67
B	**B79-451**	A-DVH12SG-0	—	12,000	12,000	1176	115	10.4	20	1/4"	1/2"	11-2/3"	31-4/7"	7-4/9"	65
B	**B64-314**	A-DVH09SG-1	—	9,000	9,000	1176.47	208/230	7.0	15	1/4"	3/8"	11-3/7"	28-3/7"	7-1/3"	67
B	**B64-315**	A-DVH12SG-1	—	12,000	12,000	1176	208/230	4.5	15	1/4"	1/2"	31-1/2"	21-13/16"	13-1/8"	67
B	**B79-452**	A-DVH18SG-1	—	18,000	18,000	1176	208/230	7.2	20	1/4"	1/2"	12-5/9"	38"	8-1/2"	80.5
B	**B64-316**	A-DVH24SG-1	—	24,000	24,000	1823	208/230	11.2	25	3/8"	5/8"	13-1/5"	42-1/2"	9"	106

Ductless Mini-Split Systems

NEW

Up to 22 SEER, Multi-Zone, Heat Pumps, R410A

- Inverter-driven compressor
- LCD wireless remote controls
- Auto restart
- Heat operates down to 5°F
- Airflow direction control
- 24-hour on/off timer
- Turbo mode
- Dehumidification mode
- Cooling mode
- Fan only mode
- Auto sleep mode
- Auto operation mode
- SEER based on indoor/outdoor combinations
- Up to 5 indoor units per outdoor unit
- Mix and match indoor units to maximum capacity of outdoor unit
- More than 70 different combinations
- 208/230V



A



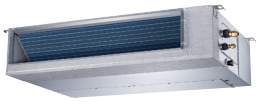
B



C



D



E



F

Fig.	Order #	Mfg. #	Style	BtuH Cooling	BtuH Heating	CFM High	Volts	Amps Cooling	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	Energy Star
Multi-Zone Indoor Units																
A	**B60-866**	B-VFH09MB-1A	Wall Mounted	9,000	9,800	—	208/230	—	—	1/4"	1/2"	34-1/16"	11-1/2"	8-1/4"	24.25	—
A	**B68-177** ◀	B-VFH09MC-1	Wall Mounted	9,000	9,800	—	208/230	—	—	1/4"	3/8"	34-1/16"	11-1/2"	8-1/4"	19.9	—
A	**B60-867**	B-VFH12MB-1A	Wall Mounted	12,000	13,000	—	208/230	—	—	1/4"	1/2"	34-1/16"	11-1/2"	8-1/4"	24.25	—
A	**B79-649**	B-VFH18MB-1	Wall Mounted	18,000	19,000	—	208/230	—	—	1/4"	1/2"	40-1/16"	12-9/16"	9"	30.9	—
A	**B79-650**	B-VFH24MB-1	Wall Mounted	20,800	21,500	—	208/230	—	—	3/8"	5/8"	46-3/8"	12-7/8"	10-3/8"	39.7	—
B	**B75-737**	B-VFH12CA-1	Ceiling Cassette	12,000	13,000	—	208/230	—	—	1/4"	3/8"	22-7/16"	22-7/16"	9-1/16"	39.6	Y
B	**B64-301**	B-VFH18CB-1	Ceiling Cassette	14,400	16,000	—	208/230	—	—	1/4"	1/2"	22-7/16"	22-7/16"	9-1/16"	39.7	Y
B	**B75-739**	B-VFH24CA-1	Ceiling Cassette	22,800	27,400	—	208/230	—	—	3/8"	5/8"	33-1/16"	33-1/16"	9-7/16"	61.7	Y
C	**B76-607**	B-VFH09UA-1	Universal Mounted	8,500	9,500	—	208/230	—	—	1/4"	3/8"	48"	27-5/16"	8-7/8"	88.2	Y
C	**B76-608**	B-VFH12UA-1	Universal Mounted	11,900	13,100	—	208/230	—	—	1/4"	3/8"	48"	27-5/16"	8-7/8"	88.2	Y
C	**B76-609**	B-VFH18UA-1	Universal Mounted	17,000	18,700	—	208/230	—	—	1/4"	1/2"	48"	27-5/16"	8-7/8"	88.2	Y
C	**B76-610**	B-VFH24UA-1	Universal Mounted	22,800	27,400	—	208/230	—	—	3/8"	5/8"	48"	27-5/16"	8-7/8"	99.2	Y
D	**B76-611**	B-VFH09FA-1	Floor Mounted	9,000	9,500	—	208/230	—	—	1/4"	3/8"	27-9/16"	23-5/8"	8-7/16"	33.07	Y
D	**B76-612**	B-VFH12FA-1	Floor Mounted	12,000	13,000	—	208/230	—	—	1/4"	3/8"	27-9/16"	23-5/8"	8-7/16"	33.07	Y
D	**B76-613**	B-VFH18FA-1	Floor Mounted	18,000	19,800	—	208/230	—	—	1/4"	1/2"	27-9/16"	23-5/8"	8-7/16"	33.07	Y
E	**B76-614**	B-VFH09DA-1	Ducted	8,500	9,500	—	208/230	—	—	1/4"	3/8"	27-9/16"	7-7/8"	24-3/16"	48.5	Y
E	**B76-615**	B-VFH12DA-1	Ducted	11,900	13,100	—	208/230	—	—	1/4"	3/8"	27-9/16"	7-7/8"	24-3/16"	50.7	Y
E	**B76-616**	B-VFH18DA-1	Ducted	15,300	18,700	—	208/230	—	—	1/4"	1/2"	35-7/16"	7-7/8"	24-3/16"	59.5	Y
E	**B76-617**	B-VFH21DA-1	Ducted	20,400	22,600	—	208/230	—	—	3/8"	5/8"	43-5/16"	7-7/8"	24-3/16"	68.3	Y
E	**B76-618**	B-VFH24DA-1	Ducted	22,800	27,400	—	208/230	—	—	3/8"	5/8"	43-5/16"	7-7/8"	24-3/16"	68.3	Y
Multi-Zone Outdoor Units																
F	**B79-642**	A-VFH18DB-1	—	21,000	22,600	1,883	208/230	6.26	25	1/4"	3/8"	37-5/8"	27-5/8"	15-5/8"	115	Y
F	**B79-643**	A-VFH24TB-1	—	24,000	29,500	2,354	208/230	8.4	30	1/4"	3/8"	38-15/16"	31-1/8"	16-13/16"	153.2	Y
F	**B79-644**	A-VFH30QB-1	—	29,000	32,414	2,354	208/230	9.9	30	1/4"	3/8"	38-1/2"	31-1/8"	16-5/16"	145.5	Y
F	**B79-645**	A-VFH36QB-1	—	34,000	41,000	4,531	208/230	11.8	35	1/4"	3/8"	42-13/16"	43-7/16"	17-5/16"	154.32	Y
F	**B79-646**	A-VFH42PB-1	—	39,000	45,000	4,531	208/230	16.5	40	1/4"	3/8"	42-13/16"	43-7/16"	17-5/16"	198.4	—

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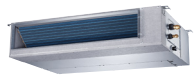
Ductless Mini-Split Systems

Up To 23.5 SEER, Single and Multi-Zone, Heat Pumps, R410A

- Inverter-driven compressor
- LCD wireless remote controls
- Auto restart
- Temperature display — indoor unit shows the room temperature
- Airflow direction control
- 24-hour on/off timer
- Turbo mode
- Dehumidification mode
- Auto sleep mode
- Auto operation mode
- Operation as low as -22°F
- 208/230V


A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H

Fig.	Order #	Mfg. #	Style	BtuH Cooling	BtuH Heating	CFM High	Volts	Amps Cooling	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	Energy Star
Single Zone and Multi-Zone Indoor Units																
A	**B65-545**	B-VMH09SV-1	Wall Mounted	9,000	9,000	—	208/230	—	—	1/4"	3/8"	31-1/3"	11-3/5"	8-6/7"	22.71	Y
A	**B65-546**	B-VMH12SV-1	Wall Mounted	12,000	12,000	—	208/230	—	—	1/4"	1/2"	31-1/3"	11-3/5"	8-6/7"	22.93	Y
A	**B64-444**	B-VMH18SU-1B	Wall Mounted	17,000	18,000	—	208/230	—	—	1/4"	1/2"	39"	12-2/5"	8-4/7"	26.9	Y
A	**B65-547**	B-VMH18SV-1	Wall Mounted	18,000	18,000	—	208/230	—	—	1/4"	1/2"	38"	12-5/9"	9-2/5"	27.12	Y
A	**B64-445**	B-VMH24SU-1A	Wall Mounted	24,000	24,000	—	208/230	—	—	3/8"	5/8"	46-11/16"	13-7/16"	10-3/16"	40.1	Y
Single Zone Indoor Units																
A	**B66-240**	B-VMH30SG-1	Wall Mounted	30,000	30,000	—	208/230	—	—	3/8"	5/8"	44-22/25"	14-1/2"	10-7/8"	43.65	Y
A	**B79-254**	B-VMH36SD-1	Wall Mounted	36,000	36,000	—	208/230	—	—	3/8"	5/8"	46-5/8"	13-1/2"	10-1/8"	40.5	Y
Multi-Zone Indoor Units																
B	**B60-645**	B-VMH09DU-1	Ducted	9,000	9,000	—	208/230	—	—	1/4"	3/8"	27-9/16"	7-7/8"	17-23/32"	37.5	—
B	**B60-646**	B-VMH12DU-1	Ducted	12,000	12,000	—	208/230	—	—	1/4"	1/2"	27-9/16"	7-7/8"	17-23/32"	37.5	—
B	**B60-647**	B-VMH18DU-1	Ducted	18,000	18,000	—	208/230	—	—	1/4"	1/2"	34-21/32"	8-17/64"	28-17/32"	54	—
B	**B60-648**	B-VMH24DU-1	Ducted	24,000	24,000	—	208/230	—	—	3/8"	5/8"	43"	10"	30"	87	—
C	**B60-650**	B-VMH09CU-1	Ceiling Cassette	9,000	9,000	—	208/230	—	—	1/4"	3/8"	22-7/16"	10-1/4"	22-7/16"	35.27	Y
C	**B60-651**	B-VMH12CU-1	Ceiling Cassette	12,000	12,000	—	208/230	—	—	1/4"	1/2"	22-7/16"	10-1/4"	22-7/16"	35.27	Y
C	**B60-652**	B-VMH18CU-1	Ceiling Cassette	18,000	18,000	—	208/230	—	—	1/4"	1/2"	22-7/16"	10-1/4"	22-7/16"	39.68	Y
D	**B60-653**	B-VMH24CU-1	Ceiling Cassette	24,000	24,000	—	208/230	—	—	3/8"	5/8"	33-1/16"	8-1/16"	33-1/16"	45.19	Y
E	**B60-654**	B-VMH18UU-1	Universal Mounted	18,000	18,000	—	208/230	—	—	1/4"	1/2"	42-1/16"	26-9/16"	9-1/4"	55.12	Y
E	**B60-655**	B-VMH24UU-1	Universal Mounted	24,000	24,000	—	208/230	—	—	3/8"	5/8"	42-1/16"	26-9/16"	9-1/4"	55.12	Y
F	**B60-649**	B-VMH12FU-1	Floor Mounted	12,000	12,000	—	208/230	—	—	1/4"	1/2"	27-9/16"	23-5/8"	8-17/64"	43	Y
Single Zone Outdoor Units																
G	**B79-243**	A-VMH09SU-1	—	9,000	10,900	1,120	208/230	2.7	15	1/4"	3/8"	31-1/2"	21-13/16"	13-1/8"	88.2	Y
G	**B65-652**	A-VMH09SU-1	—	9,000	12,000	1,120	208/230	2.7	15	1/4"	3/8"	31-1/2"	21-13/16"	13-1/8"	88.2	Y
G	**B65-650**	A-VMH12SV-1	—	12,000	11,800	1,180	208/230	4.2	15	1/4"	1/2"	31-1/2"	21-13/16"	13-1/8"	88.2	Y
G	**B79-244**	A-VMH12SU-1	—	12,000	11,800	1,180	208/230	4.2	15	1/4"	1/2"	31-1/2"	21-13/16"	13-1/8"	88.2	Y
G	**B65-651**	A-VMH18SV-1	—	17,000	18,000	1,355	208/230	6	25	1/4"	1/2"	35-1/4"	26-1/2"	13-5/16"	101	Y
G	**B65-653**	A-VMH24SU-1A	—	24,000	26,000	2,355	208/230	8.3	30	3/8"	5/8"	37-1/4"	31-7/8"	16-9/16"	134.5	Y
G	**B66-239**	A-VMH30SG-1	—	30,000	30,000	647	208/230	11.4	30	3/8"	5/8"	37-1/4"	31-7/8"	16-1/7"	141.75	Y
G	**B79-252**	A-VMH36SD-1	—	36,000	36,000	2,130	208/230	18.5	35	3/8"	5/8"	37-1/4"	31-7/8"	10-1/8"	145.5	Y
Single Zone and Multi-Zone Outdoor Units																
H	**B65-542**	A-VMH28TV-1	—	28,000	24,000	2,130	208/230	25	40	3 x 1/4"	3 x 3/8"	37-1/4"	31-7/8"	16-7/50"	167.99	—
H	**B65-543**	A-VMH36QV-1	—	36,000	36,000	4,500	208/230	40	60	5 x 1/4"	3 x 3/8"	37-1/2"	52-1/2"	16-17/50"	223.11	—
H	**B65-544**	A-VMH48PV-1	—	48,000	48,000	4,500	208/230	42	50	5 x 1/4"	3 x 3/8"	37-1/2"	52-1/2"	16-17/50"	238.32	—
H	**B61-798**	A-VMH48PU-1	—	48,000	48,000	4,500	208/230	21	50	1/4"	3/8"-1/2"	37-1/2"	52-1/2"	16-11/32"	224	—

Amana Heating & Air Conditioning



Packaged Terminal Air Conditioners and Heat Pumps

PTAC's and PTHP's R410A

- Assembled in the USA for over 40 years
- DigiSmart control board provides easy connection to wireless accessories
- Indoor tangential fan for quiet operation
- Easy pull-out filters
- Random restart delay after power outages
- Indication LED temperature readout and fan operation
- Transfer fan on the low voltage terminal board allow for an external fan connection (**B14-620** wire harness kit required for this option)
- Front mounting hole is provided to secure the front to the chassis
- Energy management system features temperature limiting
- DigiSmart wireless door switch/motion sensor and wireless wall thermostat available
- May require **G22-891** wall receptacle
- Five year limited warranty
- Controls not included and must be ordered separately (**B13-368**, **B22-434**, **B21-413**)
- R410A Version Only

Order #	Mfg. #	Type	BtuH Cooling	BtuH Heating	Strip Heat BtuH	EER	Width	Height	Depth	Shipping Wt. Lbs.	Wt. Lbs.
230/208V A/C R410A Units											
B66-433	PTC073K35AXXX	A/C Electric Heat	7,000/7,000	—	12,000 / 9,900	12.0 / 12.4	42"	16-1/16"	21-1/2"	115.00 lb	108
B66-435	PTC093K35AXXX	A/C Electric Heat	9,200 / 9,000	—	12,000 / 9,900	11.6 / 11.7	42"	16-1/16"	21-1/2"	114.00 lb	108
B66-437	PTC093K50AXXX	A/C Electric Heat	9,200 / 9,000	—	17,100 / 14,000	11.6 / 11.7	42"	16-1/16"	21-1/2"	114.00 lb	108
B66-438	PTC123K35AXXX	A/C Electric Heat	11,900 / 11,600	—	12,000 / 9,900	11.0 / 11.0	42"	16-1/16"	21-1/2"	124.00 lb	108
B66-440	PTC123K50AXXX	A/C Electric Heat	11,900 / 11,600	—	17,100 / 14,000	11.0 / 11.0	42"	16-1/16"	21-1/2"	122.00 lb	108
B66-441	PTC153K35AXXX	A/C Electric Heat	14,800 / 14,500	—	12,000 / 9,900	10.0 / 10.0	42"	16-1/16"	21-1/2"	132.00 lb	108
B66-443	PTC153K50AXXX	A/C Electric Heat	14,800 / 14,500	—	17,100 / 14,000	10.0 / 10.0	42"	16-1/16"	21-1/2"	134.00 lb	108
B66-444	PTC173K35AXXX	A/C Electric Heat	16,700 / 16,400	—	12,000 / 9,900	9.4 / 9.7	42"	16-1/16"	21-1/2"	129.09 lb	108
230/208V HP R410A Units											
B66-445	PTH073K35AXXX	Heat Pump	7,100 / 7,000	6,500 / 6,400	12,000 / 9,900	12.0 / 12.4	42"	16-1/16"	21-1/2"	120.00 lb	108
B66-447	PTH093K35AXXX	Heat Pump	9,000 / 9,000	8,200 / 8,000	12,000 / 9,900	11.9 / 12.0	42"	16-1/16"	21-1/2"	121.00 lb	108
B66-449	PTH093K50AXXX	Heat Pump	9,000 / 9,000	8,200 / 8,000	17,100 / 14,000	11.9 / 12.0	42"	16-1/16"	21-1/2"	122.00 lb	108
B66-450	PTH123K35AXXX	Heat Pump	11,600 / 11,400	10,600 / 10,500	12,000 / 9,900	11.0 / 11.1	42"	16-1/16"	21-1/2"	120.00 lb	108
B66-452	PTH123K50AXXX	Heat Pump	11,600 / 11,400	10,600 / 10,500	17,100 / 14,000	11.0 / 11.1	42"	16-1/16"	21-1/2"	130.00 lb	108
B66-453	PTH153K35AXXX	Heat Pump	14,200 / 14,000	13,900 / 13,700	12,000 / 9,900	9.9 / 9.9	42"	16-1/16"	21-1/2"	140.00 lb	108
B66-455	PTH153K50AXXX	Heat Pump	14,200 / 14,000	13,900 / 13,700	17,100 / 14,000	9.9 / 9.9	42"	16-1/16"	21-1/2"	140.00 lb	108
265V A/C R410A Units											
B66-434	PTC074K35AXXX	A/C Electric Heat	7,000/7,000	—	12,000 / 9,900	12.0 / 12.4	42"	16-1/16"	21-1/2"	114.00 lb	108
B66-436	PTC094K35AXXX	A/C Electric Heat	9,200 / 9,000	—	12,000 / 9,900	11.6 / 11.7	42"	16-1/16"	21-1/2"	116.00 lb	108
B66-439	PTC124K35AXXX	A/C Electric Heat	11,900 / 11,600	—	12,000 / 9,900	11.0 / 11.0	42"	16-1/16"	21-1/2"	122.00 lb	108
B66-442	PTC154K35AXXX	A/C Electric Heat	14,800 / 14,500	—	12,000 / 9,900	10.0 / 10.0	42"	16-1/16"	21-1/2"	132.00 lb	108
265V HP R410A Units											
B66-446	PTH074K35AXXX	Heat Pump	7,100 / 7,000	6,500 / 6,400	12,000 / 9,900	12.0 / 12.4	42"	16-1/16"	21-1/2"	120.00 lb	108
B66-448	PTH094K35AXXX	Heat Pump	9,000 / 9,000	8,200 / 8,000	12,000 / 9,900	11.9 / 12.0	42"	16-1/16"	21-1/2"	122.00 lb	108
B66-451	PTH124K35AXXX	Heat Pump	11,600 / 11,400	10,600 / 10,500	12,000 / 9,900	11.0 / 11.1	42"	16-1/16"	21-1/2"	130.00 lb	108
B66-454	PTH154K35AXXX	Heat Pump	14,200 / 14,000	13,900 / 13,700	12,000 / 9,900	9.9 / 9.9	42"	16-1/16"	21-1/2"	140.00 lb	108

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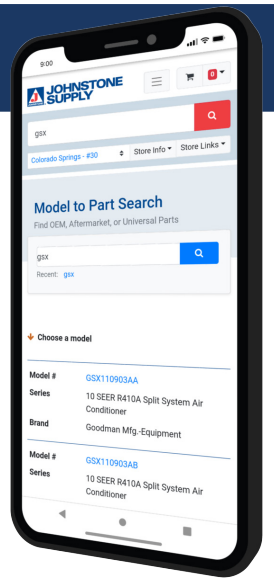

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Packaged Terminal Air Conditioners and Heat Pumps

PTAC's and PTHP's R32

- Assembled in the USA for over 40 years
- DigiSmart control board provides easy connection to wireless accessories
- Indoor tangential fan for quiet operation
- Easy pull-out filters
- Random restart delay after power outages
- Indication LED temperature readout and fan operation
- Transfer fan on the low voltage terminal board allow for an external fan connection (**B14-620** wire harness kit required for this option)
- Front mounting hole is provided to secure the front to the chassis
- Energy management system features temperature limiting
- DigiSmart wireless door switch/motion sensor and wireless wall thermostat available
- May require **G22-891** wall receptacle
- Five year limited warranty
- Controls not included and must be ordered separately (**B13-368**, **B22-434**, **B21-413**)
- R32 Version Only



Order #	Mfg. #	Type	BtuH Cooling	BtuH Heating	Strip Heat BtuH	EER	Width	Height	Depth	Shipping Wt. Lbs.	Wt. Lbs.
230/208V A/C R32 Units											
B66-410	PTC073J35AXXX	A/C Electric Heat	7,000/7,000	—	12,000 / 9,900	12.8 / 12.8	42"	16-1/16"	21-1/2"	131.00 lb	108
B66-412	PTC093J35AXXX	A/C Electric Heat	9,200 / 9,000	—	12,000 / 9,900	12.1 / 12.2	42"	16-1/16"	21-1/2"	120.00 lb	108
B66-414	PTC093J50AXXX	A/C Electric Heat	9,200 / 9,000	—	17,100 / 14,000	12.1 / 12.2	42"	16-1/16"	21-1/2"	129.090 lb	108
B66-415	PTC123J35AXXX	A/C Electric Heat	11,900 / 11,700	—	12,000 / 9,900	11.4 / 11.5	42"	16-1/16"	21-1/2"	120.00 lb	108
B66-417	PTC123J50AXXX	A/C Electric Heat	11,900 / 11,700	—	17,100 / 14,000	11.4 / 11.5	42"	16-1/16"	21-1/2"	122.090 lb	108
B66-418	PTC153J35AXXX	A/C Electric Heat	14,800 / 14,900	—	12,000 / 9,900	10.3 / 10.4	42"	16-1/16"	21-1/2"	131.00 lb	108
B66-420	PTC153J50AXXX	A/C Electric Heat	14,800 / 14,900	—	17,100 / 14,000	10.3 / 10.4	42"	16-1/16"	21-1/2"	133.00 lb	108
B66-421	PTC173J35AXXX	A/C Electric Heat	16,700 / 16,400	—	12,000 / 9,900	9.4 / 9.7	42"	16-1/16"	21-1/2"	129.090 lb	108
230/208V HP R32 Units											
B66-422	PTH073J35AXXX	Heat Pump	7,100 / 7,000	6,300 / 6,100	12,000 / 9,900	12.4 / 12.8	42"	16-1/16"	21-1/2"	118.00 lb	108
B66-424	PTH093J35AXXX	Heat Pump	9,000 / 9,000	8,200 / 8,000	12,000 / 9,900	12.4 / 12.5	42"	16-1/16"	21-1/2"	122.00 lb	108
B66-426	PTH093J50AXXX	Heat Pump	9,000 / 9,000	8,200 / 8,000	17,100 / 14,000	12.4 / 12.5	42"	16-1/16"	21-1/2"	122.00 lb	108
B66-427	PTH123J35AXXX	Heat Pump	12,000 / 11,600	11,000 / 10,800	12,000 / 9,900	11.5 / 11.5	42"	16-1/16"	21-1/2"	128.00 lb	108
B66-429	PTH123J50AXXX	Heat Pump	12,000 / 11,600	11,000 / 10,800	17,100 / 14,000	11.5 / 11.5	42"	16-1/16"	21-1/2"	130.00 lb	108
B66-430	PTH153J35AXXX	Heat Pump	14,600 / 14,400	14,300 / 14,000	12,000 / 9,900	10.4 / 10.6	42"	16-1/16"	21-1/2"	138.00 lb	108
B66-432	PTH153J50AXXX	Heat Pump	14,600 / 14,400	14,300 / 14,000	17,100 / 14,000	10.4 / 10.6	42"	16-1/16"	21-1/2"	140.00 lb	108
265V A/C R32 Units											
B66-411	PTC074J35AXXX	A/C Electric Heat	7,000/7,000	—	12,000 / 9,900	12.8 / 12.8	42"	16-1/16"	21-1/2"	115.00 lb	108
B66-413	PTC094J35AXXX	A/C Electric Heat	9,200 / 9,000	—	12,000 / 9,900	12.1 / 12.2	42"	16-1/16"	21-1/2"	116.00 lb	108
B66-416	PTC124J35AXXX	A/C Electric Heat	11,900 / 11,700	—	12,000 / 9,900	11.4 / 11.5	42"	16-1/16"	21-1/2"	123.00 lb	108
B66-419	PTC154J35AXXX	A/C Electric Heat	14,800 / 14,900	—	12,000 / 9,900	10.3 / 10.4	42"	16-1/16"	21-1/2"	130.00 lb	108
265V HP R32 Units											
B66-423	PTH074J35AXXX	Heat Pump	7,100 / 7,000	6,300 / 6,100	12,000 / 9,900	12.4 / 12.8	42"	16-1/16"	21-1/2"	113.00 lb	108
B66-425	PTH094J35AXXX	Heat Pump	9,000 / 9,000	8,200 / 8,000	12,000 / 9,900	12.4 / 12.5	42"	16-1/16"	21-1/2"	122.00 lb	108
B66-428	PTH124J35AXXX	Heat Pump	12,000 / 11,600	11,000 / 10,800	12,000 / 9,900	11.5 / 11.5	42"	16-1/16"	21-1/2"	128.00 lb	108
B66-431	PTH154J35AXXX	Heat Pump	14,600 / 14,400	14,300 / 14,000	12,000 / 9,900	10.4 / 10.6	42"	16-1/16"	21-1/2"	140.00 lb	108

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DigiSmart™ Accessories

Wireless Energy Management System

- Reduces energy costs up to 35%
- DigiSmart antenna powered by PTAC, communicates to DigiSmart suite via an encrypted 2.4 GHz signal using the 802.15.4 standard
- DigiSmart thermostat wireless control of system, large LED display
- DigiSmart occupancy sensor activates setback function and can be programmed through the DigiSmart platform or thermostat
- DigiSmart web based platform controller DL01G with DT01G antenna controls up to 170 PTAC's per site with building and room level EMS and PTAC health monitoring
- DigiSmart platform controller is BACnet and LAN compliant



A



B



C



D



E

Fig.	Order #	Mfg. #	Description	Features
A	**B17-176**	DT01G	DigiSmart Antenna	Communicates Via Encrypted 2.4 Ghz Signal, Powered Through PTAC
B	**B21-413**	DS01G	DigiSmart - Remote RF Wireless Wall Mounted Thermostat	Built in Occupancy Detector, Controls PTAC From Anywhere in the Room
C	**B17-845**	DD01E	DigiSmart - Wireless RF Room/Door Combo Motion Sensor	Set-Back Function Activates When Room is Unoccupied, Up To 100,000 Set-Back Combinations
D	**B17-847**	DL01G	Digi-Link Communicates w/ up to 170 DigiSmart units with DT01G antenna installed	Communicates w/ Up to 170 DigiSmart Units
E	**B17-848**	DSUK01D	DigiSmart Upgrade Kit Upgrade works with Amana circuit board PTAC units built since 1996	Upgrade all Amana Knob control PTACs 1996 or newer to DigiSmart control
F	**B22-766**	DSA02NO	Wireless battery-powered Digital/Manual wall thermostat for use with Amana J and K model PTACs and PTHPs.	No add-on antenna needed with Amana J & K Series PTACs. 2-way wireless communication between PTAC and thermostat.

Accessories For Amana Packaged Terminal Units

Order #	Mfg. #	Description	Features
B13-367	DK900D	Condensate Drain Kit	For Internal or External Disposal of Condensate
B13-368	PHWT-A200	Remote Wall Thermostat	2-Stage Heat/2-Stage Cool, Rectangular, Heat Pump Application
B13-370	REK10B	Remote Escutcheon Plate (10-Pk.)	Replaces Knob Controls & Wire Harness for Units Operated by Wall Thermostat
B14-620	PWHK01C	PTAC Wiring Harness Kit	Wiring Harness Kit for Remote Wall Thermostat
B93-142	SGK01B	Stamped Aluminum Grille	Standard Stamped Aluminum Grille for Application w/ Wall Sleeve
B93-143	AGK01CB	Anodized Architectural Grille	Anodized Grille — Clear
B93-144	AGK01WB	Aluminum Architectural Grille	Anodized Grille — White Enamel Finish
B93-145	AGK01DB	Aluminum Architectural Grille	Anodized Grille — Dark Bronze Enamel Finish
B93-146	AGK01TB	Aluminum Architectural Grille	Anodized Grille — Stonewood Beige Finish

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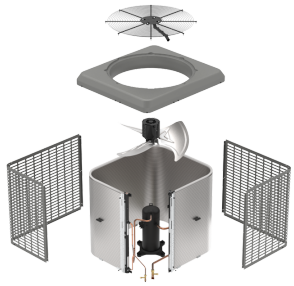

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Thermistors



Order #	Mfg. #	For Use With
L40-248	0130P00073	PTC073A35AC, PTC093A35AC, PTC123A35AC, PTC153A35AC, PTC153B35AE, PTH073A35AC, PTH073B35AE, PTH093A35AC, PTH093B35AE, PTH123A35AC, PTH123B35AE, PTH153A35AC, PTH153B35AE
L43-296	0130P00084	DRYC073B(25,35), DRY093B(25,35), DRY094B(25,35), DRY123B(25,35), DRY124B(25,35), P12488(53,54,66,67,68,69)R, P12502(03,04,13,24 to 32,34 to 69)R, P12505(01 to13, 15 to 28)R, P12508(01 to 07)R, P12524(01 to 04)R, P12546(01 to 05)R, P12553(01 to 60)R, P12553(65 to 94)R, P12608(33 to 36)R, P12556(41 to 44)R, P12556(32 to 39)R, P12556(47 to70)R, P12558(01 to 05)R, P12558(09 to 13)R, P12559(01 to 32)R, P12608(01 to 30)R, P12608(38 to52)R, P12608(57 to 60)R, P1260901RP12609(03 to 12)R, P12610(01 to 09)R, PTC073B(00,15,25,35), PTC073D(00,15,25,35), PTC074B(25,35), PTC092B, PTC093B(D), PTC094B(25,35,50), PTC094D(00,25,35), PTC105B(00,30), PTC122B00, PTC123B(00,15,25,35,50), PTC123D(00,15,25,35,50), PTC124B(00,15,25,35,50) PTC125B00(CG,FP,FPBM), PTC154D(00,25,35,50), PTC125B30(AG,AM,CM,CMBM), PTC-133D35(AR,ARDA), PTC153B(00,15,25,35,50), PTC153D(00,15,25,35,50), PTC154B(00,25,35,50)
L43-297	0130P00096	Goodman & Amana equipment

Control Board



Order #	Mfg. #
L40-241	RSKP0014

Motor

Order #	Mfg. #	Description	For Use With	Volts
S89-664	0131P00002S	Fan Motor	Goodman, Amana, and Daikin equipment	208-230

Overloads



Order #	Mfg. #	For Use With
B14-327	D6961607	PTH09300E, EC, PTH153A (All), PTH12300J, PTH12325J, PTH12335J, JC, JDF, JF, JFP, JR, JT, PTH12350J, JC, PTH123 (All), PTH12425J, JR
B14-329	D6961612	PTH153A (All), PTC15400D, DC, DR
B14-330	D6961639	PTC093A35AC, PTC093B35AE, PTH093A35AC, PTH093B35AE

Heater Assemblies For Amana PTAC's and PTHP's

Order #	Mfg. #	Description
L86-744	22312903	Heater Assembly 3.5kW — 230/208V
L86-745	22312904	Heater Assembly 5.0kW — 230/208V
L86-746	22312907	Heater Assembly 3.5kW — 265V

Grilles



Order #	Mfg. #	Description	For Use With
X89-751	D9817305	Grille, Air Discharge	HVK03, HWK03, MDK02
X89-752	R0181104	Air Discharge Kit	PTC09300A, B, D, DC, DR, PTC09400A, B, D, DC, DR, PTC09500A, PTC12300A, B, D, DC, DR, PTC12400A, B, D, DC, DR, PTC12500A, B, C, D, DC, DR, PTC15400A, B, D, DC, DR, PTC15500A, PTH09300A, B, C, DC, DR, PTH09400A, B, D, DC, DR, PTH12300A, B, D, DC, DR, PTH12335D, PTH12400A, B, D, DC, DR, PTH12500A, B, D, DC, DR, PTH15400A, B, D, DC, DR, PTH15500A

Filters



A



B

Fig.	Order #	Mfg. #	Description	For Use With
A	**L40-250**	10078901	Filter	PTC07300E, EC & ER, J, JT, PTC07325J, PTC07335J, PTC07335J, PTC07335JR, PTC07400E, EC & ER, PTC07425J, PTC07435J, PTC07435JR, PTC09300E, EC & ER, J, JT, PTC09325J, PTC09325J, PTC09325JR, PTC09335J, PTC09335J, PTC09335JC, PTC-09335JFT, PTC09335JFT, PTC09335JR, PTC09335JR, PTC09340J, PTC09350J, PTC09350JR, PTC09400E, EC & ER, PTC09425J, PTC09430J, PTC09435J, PTC09435JC, PTC12300E, EC & ER, J, JT, PTC12325J, PTC12325J, PTC12325JF, PTC12335J, PTC12335J, PTC12335JC, PTC12335JC, PTC12335JF, PTC12335JR, PTC12335JR, PTC12350J, PTC12350J, PTC12350JC, PTC-12350JR, PTC12350JR, PTC12400E, EC & ER, JP, PTC12425JC, PTC12430J, PTC12435J, PTC12435JR, PTC12450J, PTC15325J, PTC15335J, PTC15335JC, PTC15335JR, PTC15350J, PTC15350JC, PTC15350JF, PTC15350JR, PTC15400E, EC & ER, PTC15430J, PTC15435J, PTC15450J, PTH07300E, EC, ER, PTH07325J, JR, PTH07335J, JC, JR, JT, PTH07400E, EC, ER, PTH07415J, PTH07435J, PTH07450J, PTH08525J, PTH08535J, PTH09300E, EC, ER, F, FC, FR, J, PTH09325J, JR, JK, KF, KR, PTH09335J, JD, JR, JT, K, KC, KF, KR, PTH09435J, JD, PTH09525GFP, JFP, PTH10535J, PTH12300E, EC, ER, J, PTH12325J, PTH12335J, JC, JDF, JF, JFP, JR, JT, PTH12350EDG, J, JC, JR, PTH12350J, PTH12400E, EC, ER, PTH12425J, PTH12435J, JR, PTH15300E, EC, ER, J, PTH15325J, JC, JR, JRP, PTH15350EDG, J, JC, JD, JR, PTH15400E, EC, ER, PTH15435J, JR, PTH15450J
B	**L40-251**	11045201	Filter	PTC073A (All), PTC074A (All), PTC093A (All), PTC094A (All), PTC123A (All), PTC094A (All), PTC153A (All), PTC154A (All), PTH073A (All), PTH094A (All), PTH093A (All), PTH094A (All), PTH123A, PTH124A (All), PTH153A (All), PTH154A (All)
A	**L87-971**	20415801	Filter	Goodman & Amana equipment

Compressors

Order #	Mfg. #	For Use With
B85-883	39R162AD-9DSS	PTC073D00, PTC073D15, PTC073D25, PTC073D35

GE Appliances



Packaged Terminal Air Conditioners and Heat Pumps

PTAC's and PTHP's

- All units have a universal heater
- Universal Power Cord (UPC) determines the heater size; all units require a cord (LCDI cord purchased separately)
- Two fan motors/two speed fan for higher efficiency
- Reverse cycle defrost and simultaneous supplemental resistance heat on all heat pumps
- Random restart after power outages
- Fan cycle switch “Smart Fan” for increased guest comfort
- Permanently lubricated fan motors
- Solid-state controls for better room temperature control
- Touch pad controls and digital readout of temperature set point
- Freeze and heat sentinel for increased room protection
- Up-front universal filters
- Remote control TSTAT and central desk control compatibility
- High sound transmission class (STC) 29
- All GE PTAC’s have a cross fan blower for much quieter operation

Note: Also available from participating Johnstone Supply Stores by special order: 265V models, Corrosion/seacoast models, Dry Air 25, Makeup Air, and Vertical PTAC models.

Order #	Mfg. #	Type	BtuH Cooling	BtuH Heating	Strip Heat BtuH	EER	Air Delivery CFM	Dehumidity Pints/Hr.	Current Amps Cooling	Width	Height	Depth	Shipping Wt. Lbs.	Wt. Lbs.
230/208V R410A Units														
B78-103	AZ45E07DAB	A/C Electric Heat	7,200	—	7,000	13.4	290	1.7	2.8/3	42"	16"	20-3/8"	92	80
B78-104	AZ45E09DAB	A/C Electric Heat	9,700	—	9,600	12.0	340	2.7	3.9/3.9	42"	16"	20-3/8"	92	90
B78-105	AZ45E12DAB	A/C Electric Heat	11,900	—	11,800	11.1	420	3.6	4.9/5.3	42"	16"	20-3/8"	102	90
B78-106	AZ45E15DAB	A/C Electric Heat	14,900	—	14,800	10.3	409	4.5	7/7.5	42"	16"	20-3/8"	103	91
B78-107	AZ65H07DAB	Heat Pump	7,100	6,400	—	13.2	340	1.7	2.8/3	42"	16"	20-3/8"	96	84
B78-108	AZ65H09DAB	Heat Pump	9,000	8,400	—	12.2	360	2.7	3.9/3.9	42"	16"	20-3/8"	103	91
B78-109	AZ65H12DAB	Heat Pump	11,800	10,900	—	11.6	370	3.6	4.9/5.3	42"	16"	20-3/8"	104	92
B78-110	AZ65H15DAB	Heat Pump	14,600	13,400	—	10.6	370	4.5	7/7.5	42"	16"	20-3/8"	107	95
265V R410A Units														
B78-111	AZ45E07EAC	A/C Electric Heat	7,200	—	7,000	12.8	290	1.7	2.4	42"	16"	20-3/8"	93	81
B78-112	AZ45E09EAC	A/C Electric Heat	9,700	—	9,600	12.3	340	2.7	3.3	42"	16"	20-3/8"	103	91
B78-113	AZ45E12EAC	A/C Electric Heat	11,900	—	11,800	11.8	420	3.6	4.4	42"	16"	20-3/8"	103	91
B78-114	AZ45E15EAC	A/C Electric Heat	14,900	—	14,800	10.6	406	4.5	6.0	42"	16"	20-3/8"	104	92
B78-115	AZ65H07EAC	Heat Pump	7,100	6,400	—	13.2	340	1.7	2.4	42"	16"	20-3/8"	97	85
B78-116	AZ65H09EAC	Heat Pump	9,000	8,550	—	12.2	360	2.7	3.3	42"	16"	20-3/8"	104	92
B78-117	AZ65H12EAC	Heat Pump	11,700	10,900	—	11.6	370	3.6	4.4	42"	16"	20-3/8"	105	93
B78-118	AZ65H15EAC	Heat Pump	14,750	13,750	—	10.6	370	4.5	6.0	42"	16"	20-3/8"	108	96

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Accessories For GE Zoneline Packaged Terminal Units



Order #	Mfg. #	Description	Features
B64-919	RAB78B	Wall Case	Molded SMC Fiberglass-Reinforced Polyester Compound
B13-401	RAD10	Drain Kit	For Internal or External Disposal of Condensate
B93-201	RAG60	Aluminum Grille	Standard Aluminum Grille

Order #	Mfg. #	Description	Features
B95-686	RAG67	Architectural Grille	Paintable Architectural Aluminum Rear Grille
B20-235	RAK315P	15A Power Cord	2.5 kW/15 Amp Power Cord 208/230V
B20-236	RAK320P	20A Power Cord	3.5 kW/20 Amp Power Cord 208/230V
B20-237	RAK330P	30A Power Cord	5.0 kW/30 Amp Power Cord 208/230V

GE Zoneline OEM Replacement Parts

All of the core replacement parts and more for GE Zoneline are available at your local Johnstone Supply. Contact us for model to part cross reference and solve your no heat and warranty service calls — fast and efficiently with the exact OEM replacement part. www.JohnstoneSupply.com

Packaged Terminal Air Conditioners and Heat Pumps

ZoneAire Select Series R410A

- Ideal for hospitality industry, healthcare facilities, offices, apartments, dormitories and residential add-on applications
- Low operating cost
- Ultra quiet operation
- High strength polystyrene front panel resists scratches and dents
- Easily installs into 16" x 42" wall sleeve
- Tangential indoor blower for quiet operation
- Permanently lubricated fan motors
- Electric strip heat on every unit
- Wall sleeves and outdoor grilles/louvers sold separately
- DiamonBlue Advanced Corrosion Protection® on indoor and outdoor coils
- Factory installed 3.6kW electric heaters, except **B60-465** and **B60-471** which include a 5kW electric heater



Order #	Mfg. #	Type	BtuH Cooling	BtuH Heating	Strip Heat BtuH	EER	Air Delivery CFM	Dehumidity Pints/Hr.	Current Amps Cooling	Min. Ampacity	Overcurrent Protection	Width	Height	Depth	Shipping Wt. Lbs.	Wt. Lbs.
230/208V R410A Units																
B60-460	PZE07K3SB	A/C Electric Heat	7,200/6,800	—	12,200/10,000	12.0/12.0	335	1.7	2.6/2.7	20	20	42"	16"	21-1/2"	126	104
B60-461	PZE09K3SB	A/C Electric Heat	9,600/9,400	—	12,200/10,000	11.8/11.8	400	2.2	3.5/3.8	20	20	42"	16"	21-1/2"	130	108
B60-463	PZE12K3SB	A/C Electric Heat	12,000/11,800	—	12,200/10,000	11.4/11.4	470	2.7	4.5/5.0	20	20	42"	16"	21-1/2"	135	113
B60-465	PZE15K5SB	A/C Electric Heat	14,500/14,300	—	17,000/13,900	10.2/10.2	360	3.2	6.2/6.7	30	30	42"	16"	21-1/2"	137	115
B60-466	PZH07K3SB	Heat Pump	7,200/6,800	6,400/6,300	12,200/10,000	12.0/12.0	335	1.7	3.5/3.8	20	20	42"	16"	21-1/2"	127	105
B60-467	PZH09K3SB	Heat Pump	9,600/9,400	8,500/8,200	12,200/10,000	11.8/11.8	400	2.2	3.5/3.8	20	20	42"	16"	21-1/2"	131	109
B60-469	PZH12K3SB	Heat Pump	12,000/11,800	11,000/10,800	12,200/10,000	11.4/11.4	470	2.7	4.5/5.0	20	20	42"	16"	21-1/2"	136	114
B60-471	PZH15K5SB	Heat Pump	14,500/14,300	13,600/13,200	17,000/13,900	10.2/10.2	470	3.2	6.2/6.7	30	30	42"	16"	21-1/2"	139	116
265V R410A Units																
B60-462	PZE09R3SB	A/C Electric Heat	9,200	—	12,280	11.5	400	2.2	4.2	20	20	42"	16"	21-1/2"	136	113
B60-464	PZE12R3SB	A/C Electric Heat	12,000	—	12,280	10.6	470	2.7	5.92	20	20	42"	16"	21-1/2"	137	115
B60-468	PZH09R3SB	Heat Pump	9,200	8,500	12,280	11.5	400	2.2	4.2	20	20	42"	16"	21-1/2"	136	113
B60-470	PZH12R3SB	Heat Pump	12,000	11,400	12,280	10.6	470	2.7	5.9	20	20	42"	16"	21-1/2"	137	115

Packaged Terminal Air Conditioners and Heat Pumps

ZoneAire Premier Series R410A



- High-Efficiency refrigeration design with EERs up to 13.3
- Stainless steel endplates
- Advanced oil design
- Ideal for hospitality industry, healthcare facilities, offices, apartments, dormitories and residential add-on applications
- Ultra quiet operation
- High strength polystyrene front panels
- Easily installs into 16" x 42" wall sleeve
- Two-speed fan motor includes permanently lubricated bearings
- Electric strip heat on every unit
- Wall sleeves and outdoor grilles/louvers sold separately
- DiamonBlue Advanced Corrosion Protection® on outdoor coils
- R410A refrigerant

Order #	Mfg. #	Type	BtuH Cooling	BtuH Heating	Strip Heat BtuH	EER	Air Delivery CFM	Dehumidity Pints/Hr.	Current Amps Cooling	Min. Ampacity	Overcurrent Protection	Width	Height	Depth	Shipping Wt. Lbs.	Wt. Lbs.
230/208V R410A Units																
B76-099	PDE07K3SG	A/C Electric Heat	7,200/7,000	—	11,700/9,600	13.0/13.0	345	1.7	2.9/2.7	19	20	42"	16"	21-1/2"	126	106
B76-100	PDE09K3SG	A/C Electric Heat	9,400/9,200	—	11,700/9,600	12.1/12.1	355	2.1	3.9/3.7	19	20	42"	16"	21-1/2"	135	115
B76-101	PDE12K3SG	A/C Electric Heat	11,800/11,600	—	11,700/9,600	11.6/11.6	400	2.7	5.1/4.9	19	20	42"	16"	21-1/2"	139	119
B76-102	PDE15K5SG	A/C Electric Heat	14,500/14,200	—	17,000/13,900	10.4/10.4	400	3.1	6.7/6.2	19	20	42"	16"	21-1/2"	140	121
B76-103	PDH07K3SG	Heat Pump	7,200/7,000	6,000/5,800	11,700/9,600	13.0/13.0	345	1.7	2.9/2.7	19	20	42"	16"	21-1/2"	133	113
B76-104	PDH09K3SG	Heat Pump	9,400/9,200	8,300/8,100	11,700/9,600	12.1/12.1	355	2.1	3.9/3.7	19	20	42"	16"	21-1/2"	139	119
B76-105	PDH12K3SG	Heat Pump	11,800/11,600	10,600/10,400	11,700/9,600	11.6/11.6	400	2.7	5.1/4.9	19	20	42"	16"	21-1/2"	141	122
B76-106	PDH15K5SG	Heat Pump	14,500/14,200	13,300/13,000	17,000/13,900	10.4/10.4	400	3.1	6.7/6.2	28	30	42"	16"	21-1/2"	144	124
265V R410A Units																
B76-107	PDE07R3SG	A/C Electric Heat	7,200	11,700	11,700	13	345	1.7	2.4	19	20	42"	16"	21-1/2"	127	107
B76-108	PDE09R3SG	A/C Electric Heat	9,400	11,700	11,700	12.1	355	2.1	3.3	19	20	42"	16"	21-1/2"	135	115
B76-109	PDE12R3SG	A/C Electric Heat	11,800	11,700	11,700	11.6	400	2.7	4.2	19	20	42"	16"	21-1/2"	138	118
B76-110	PDE15R5SG	A/C Electric Heat	14,500	11,700	17,000/13,900	10.4	400	3.1	5.4	19	20	42"	16"	21-1/2"	140	121
B76-111	PDH07R3SG	Heat Pump	7,200	6,000	11,700	13	345	1.7	2.4	19	20	42"	16"	21-1/2"	132	112
B76-112	PDH09R3SG	Heat Pump	9,400	8,300	11,700	12.1	355	2.1	3.3	19	20	42"	16"	21-1/2"	139	119
B76-113	PDH12R3SG	Heat Pump	11,800	10,600	11,700	11.6	400	2.7	4.2	19	20	42"	16"	21-1/2"	139	122
B76-114	PDH15R5SG	Heat Pump	14,500	13,300	17,000/13,900	10.4	400	3.1	5.4	24	25	42"	16"	21-1/2"	144	122

Packaged Terminal Heat Pumps

FreshAire Series R410A



- Up to 12.1 EER
- Ideal for hotel and motel rooms, healthcare facilities, offices, apartments, dormitories and residential add-on applications
- Low operating cost, ultra-quiet operation
- Electronic controls
- High strength polystyrene front panel resists scratches and dents
- Easily installs into 16" x 42" wall sleeve
- Built-in fresh air damper with filtered outdoor air
- Two-speed fan motor includes permanently lubricated bearings
- Electric strip heat on every unit
- Fully charged and ready for operation
- Wall sleeves and outdoor grilles/louvers sold separately
- Thermostat limiter
- First-year warranty on parts and labor on entire unit; second- through fifth-year parts and labor on entire sealed system
- Seacoast protected units for use in a coastal or corrosive environment, available by special order
- 230/208V

Note: 265V units available at participating Johnstone Supply stores.

Order #	Mfg. #	Type	BtuH Cooling	BtuH Heating	Strip Heat BtuH	EER	Air Delivery CFM	Dehumidity Pints/Hr.	Current Amps Cooling	Min. Ampacity	Overcurrent Protection	Width	Height	Depth	Shipping Wt. Lbs.	Wt. Lbs.
B62-695	PVH09K3FB	Heat Pump	9,600/9,400	8,200/8,500	12,100/9,900	12.1/12.1	400	1.4	4.4/4.5	20	20	42"	16"	21.5"	137	115
B62-696	PVH12K3FB	Heat Pump	12,000/11,800	11,600/11,800	12,100/9,900	11.5/11.5	470	1.9	4.5/5.0	20	20	42"	16"	21.5"	142	120

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Accessories For Packaged Terminal Units


A


B


C


D


E


F


G


H


I


J


K


L

Fig.	Order #	Mfg. #	Description	Features
A	**B12-496**	PXDR10	Condensate Drain Kit	For Internal or External Disposal of Condensate
B	**B19-260**	PXPC23015A	Power Cord for ZoneAire Premier	2.5 kW 15A 230V LCDI
B	**B19-261**	PXPC23020A	Power Cord for ZoneAire Premier	3.5 kW 20A 230V LCDI
B	**B19-262**	PXPC26515A	Power Cord for ZoneAire Premier	2.5 kW 15A 265V Non-LCDI
B	**B19-263**	PXPC26520A	Power Cord for ZoneAire Premier	3.5 kW 20A 265V Non-LCDI
B	**B17-959**	PXPC26530	Power Cord for ZoneAire Premier	5.0 kW 30A 265V Non-LCDI
C	**B22-332**	PXPCFA23015	Power Cord for FreshAire	2.5 kW 15A 230V LCDI
D	**B22-333**	PXPCFA23020	Power Cord for FreshAire	3.5 kW 20A 230V LCDI
D	**B22-334**	PXPCFA23030	Power Cord for FreshAire	5.0 kW 30A 230V LCDI
B	**B22-335**	PXPCFA26515	Power Cord for FreshAire	2.5 kW 15A 265V Non-LCDI
E	**B22-336**	PXPCFA26520	Power Cord for FreshAire	3.5 kW 20A 265V Non-LCDI
E	**B22-337**	PXPCFA26530	Power Cord for FreshAire	5.0 kW 30A 265V Non-LCDI
F	**B72-964**	PXSBA	Sub-base	PTAC Decorative Sub-Base for Walls Less than 6" Thick
G	**B92-620**	PXGA	Standard Grille	Stamped, Anodized Aluminum
H	**B92-621**	PXAA	Architectural Grille	Clear Anodized Extruded Aluminum
I	**B98-804**	PXBG	Architectural Grille	Beige Acrylic Enamel
J	**B93-470**	PDXWSA	Wall Sleeve	For Installation in Walls Less than 13-3/4" Thick; 42" W x 16" H
K	**B23-284**	RT7	Single Stage Digital Thermostat	For use with all PTAC Models
L	**B23-285**	RT7P	Single Stage Digital, Programmable Thermostat	For use with all PTAC Models

Thermostat



Order #	Mfg. #	Description
L40-260	61822401	Thermostat Heat/Cool, Indoor

Motors



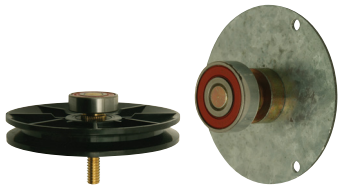
Order #	Mfg. #	HP	Volts
S89-672	21061127	1/4	230V

Bearings and Accessories



Order #	Mfg. #	Description	For Use With
L40-266	21063375	Bearing, Isolator With Hole, Idle End	TEC & THC (All)

Pulley and Bearing Shaft Assemblies



A B

Fig.	Order #	Mfg. #	Description	For Use With
A	**L40-269**	25009200	Pulley & Bearing Shaft Asy, Indoor Wheel 3"	TEC & THC (07, 09, 12)
A	**L40-270**	25009300	Pulley & Bearing Shaft Asy, Indoor Wheel 2.5"	TEC & THC (15)
A	**L40-271**	25009400	Pulley & Bearing Shaft Asy, Outdoor Wheel 2.5"	TEC & THC (12 & 15)
B	**L40-273**	25009600	Shaft Assy w/Bearing, Indoor Wheel	TEC & THC (All)

Filter



Order #	Mfg. #	Description	For Use With
L87-094	21147828	Filter, Aluminum Mesh, 8" x 30-3/4" S SERIES (All)	

Packaged Terminal Air Conditioners and Heat Pumps

PTAC's and PTHP's



- Room freeze protection
- Fresh air control arm
- LED indicator flashes error code
- Reversible discharge grille for 15° or 55° discharge angle
- Extends 7-5/8" into the room and can be mounted flush to the floor
- Energy management interface can be centrally controlled
- Electronic temperature limiter can be programmed for both heating and cooling

Note: Electric heat standard 3kW on 7K, 9K, and 12K models, and 3 or 5kW on the 15K model

Order #	Mfg. #	Type	BtuH Cooling	BtuH Heating	Strip Heat BtuH	EER	Air Delivery CFM	Dehumidity Pints/Hr.	Current Amps Cooling	Width	Height	Depth	Shipping Wt. Lbs.	Wt. Lbs.
230/208V Models														
B65-320	PTAC07F130A	A/C Electric Heat	7,400	—	10,200	11.9	720	0.21	2.8/30	42"	16-1/16"	21-1/16"	105	94
B65-321	PTAC09F130A	A/C Electric Heat	9,500	—	10,200	11.4	700	1.16	3.7/4.0	42"	16-1/16"	21-1/16"	105	94
B65-332	PTAC12F130ASC	A/C Electric Heat	12,000	—	10,236	10.7	405	2.32	5.4	42"	16-1/16"	21-1/16"	121	108
B65-334	PTAC12F150ASC	A/C Electric Heat	12,000	—	17,060	10.7	405	2.32	5.4	42"	16-1/16"	21-1/16"	121	108
B65-322	PTAC12F130A	A/C Electric Heat	12,200	—	10,200	10.5	750	2.18	5.0/5.5	42"	16-1/16"	21-1/16"	113	102
B65-323	PTAC12F150A	A/C Electric Heat	13,200	—	10,200	10.5	750	2.18	5.0/5.5	42"	16-1/16"	21-1/16"	113	102
B65-324	PTAC15F130A	A/C Electric Heat	14,500	—	10,200	10	800	3.27	6.4/7.0	42"	16-1/16"	21-1/16"	119	108
B65-325	PTAC15F150A	A/C Electric Heat	14,500	—	10,200	10	800	3.27	6.4/7.0	42"	16-1/16"	21-1/16"	119	108
B65-335	PTAC15F130ASC	A/C Electric Heat	14,500	—	10,236	10.2	405	3.59	7	42"	16-1/16"	21-1/16"	126	112
B65-336	PTAC15F150ASC	A/C Electric Heat	14,500	—	17,060	10.2	405	3.59	7	42"	16-1/16"	21-1/16"	126	112
B65-326	PTHP07F130A	Heat Pump	7,200	6,000	10,200	11.9	720	0.21	2.7/2.8	42"	16-1/16"	21-1/16"	106	95
B65-327	PTHP09F130A	Heat Pump	9,200	8,300	10,200	11.4	700	1.16	3.6/3.9	42"	16-1/16"	21-1/16"	106	95
B65-328	PTHP12F130A	Heat Pump	12,000	10,800	10,200	10.6	720	2.18	5.0/5.4	42"	16-1/16"	21-1/16"	114	103
B65-329	PTHP12F150A	Heat Pump	12,000	10,800	17,000	10.6	720	2.18	5.0/5.4	42"	16-1/16"	21-1/16"	114	103
B65-337	PTHP12F130ASC	Heat Pump	12,000	11,000	10236	10.5	405	2.32	5.1	42"	16-1/16"	21-1/16"	123	110
B65-338	PTHP12F150ASC	Heat Pump	12,000	11,000	17,060	10.5	405	2.32	5.1	42"	16-1/16"	21-1/16"	123	110
B65-330	PTHP15F130A	Heat Pump	14,300	13,600	10,200	10	800	3.27	6.4/7.0	42"	16-1/16"	21-1/16"	120	109
B65-331	PTHP15F150A	Heat Pump	14,300	13,600	17,000	10	800	3.27	6.4/7.0	42"	16-1/16"	21-1/16"	120	109
B65-339	PTHP15F130ASC	Heat Pump	14,500	13,600	10236	10.2	405	3.59	6.8	42"	16-1/16"	21-1/16"	126	112
B65-340	PTHP15F150ASC	Heat Pump	14,500	13,600	17060	10.2	405	3.59	6.8	42"	16-1/16"	21-1/16"	126	112
265V Models														
B65-341	PTAC07F230ASC	A/C Electric Heat	7,000	—	10,236	12.1	352	0.63	2.27	42"	16-1/16"	21-1/16"	110	97
B65-342	PTAC09F230ASC	A/C Electric Heat	9,000	—	10,236	11.32	352	1.48	3.14	42"	16-1/16"	21-1/16"	119	106
B65-343	PTAC12F230ASC	A/C Electric Heat	12,000	—	10,236	10.4	405	2.75	4.5	42"	16-1/16"	21-1/16"	121	108
B65-333	PTAC15F250ASC	A/C Electric Heat	15,000	—	17,060	9.61	405	4.23	5.88	42"	16-1/16"	21-1/16"	123	110
B65-344	PTHP07F230ASC	Heat Pump	7,000	6,000	10,236	12.1	352	0.63	2.27	42"	16-1/16"	21-1/16"	112	99
B65-345	PTHP09F230ASC	Heat Pump	9,000	8,000	10,236	11.03	352	1.48	3.14	42"	16-1/16"	21-1/16"	121	108
B65-346	PTHP12F230ASC	Heat Pump	12,000	11,000	10,236	10.4	405	2.75	4.35	42"	16-1/16"	21-1/16"	123	110
B65-347	PTHP15F250ASC	Heat Pump	15,000	14,000	17,060	9.61	405	4.23	5.88	42"	16-1/16"	21-1/16"	126	112

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Accessories for Packaged Terminal Units





Order #	Mfg. #	Description	Features
B72-596	7602-500F	Wall Sleeve	Insulated
B72-597	7602-501F	Standard Exterior Grille	Stamped Aluminum

Vertical Packaged Units

Wall Mount Air Conditioners

- Ideal for modular offices, telecommunication structures and other portable structures
- Aluminum finned copper coils
- Galvanized 20-gauge zinc coated steel cabinet allows it to withstand 1,000 hours of salt spray tests per ASTM B117-03
- Full length mounting brackets
- Barometric fresh air damper allows up to 25% outside air
- Rain flashing and slope top
- Condenser fan and motor shroud assembly slides out for easy access



Order #	Mfg. #	Type	Volts	BtuH Cooling	EER	Air Delivery CFM	Fuse Size T.D.	Width	Height	Depth	Wt. Lbs.
Right Side Control Panel											
B61-832	J36AB-A00XPXXXJ	Air Conditioner - Single-Phase	230/208	35,200	11	1,150	35	38-1/5"	74-4/7"	17-1/8"	385
Center Control Panel											
B62-189	J60AC-C00XPXXXJ	Air Conditioner - Three-Phase	460	57,500	11	1,750	20	42"	92-7/8"	25-1/2"	518

Wall-Mount Heater Kits

Order #	Mfg. #	Description	For Use With	Wt. Lbs.
Right Side Control Heat Packages				
B18-168	EHWA02-A05B	5 kW Heater 230/208/1	J17A1-A, J24A1-A, J30A1-A, J36A1-A	9
B18-169	EHW02A-A08B	8 kW Heater 230/208/1	J17A1-A, J24A1-A, J30A1-A, J36A1-A	9
B18-170	EHWA02A-A10B	10 kW Heater 230/208/1	J17A1-A, J24A1-A	10
B18-171	EHWA03-A05B	5 kW Heater 230/208/1	J30A1-A, J36A1-A	9
B18-172	EHWA03-A08B	8 kW Heater 230/208/1	J30A1-A, J36A1-A	13
B18-173	EHWA03-A10B	10 kW Heater 230/208/1	J30A1-A, J36A1-A	12
B18-174	EHWA03-A15B	15 kW Heater 230/208/1	J30A1-A, J36A1-A	13
B18-175	EHWA05-A05B	5 kW Heater 230/208/1	J42A1-A, J48A1-A	9
B18-176	EHWA05-A10B	10 kW Heater 230/208/1	J42A1-A, J48A1-A, J60A1-A, J70A-A	11
B18-177	EHWA05-A15B	15 kW Heater 230/208/1	J42A1-A, J48A1-A, J60A1-A, J70A-A	10
B18-178	EHWA05-A20B	20 kW Heater 230/208/1	J42A1-A, J48A1-A, J60A1-A, J70A-A	12
B18-179	EHWA60-A05B	5 kW Heater 230/208/1	J60A1-A, J70A-A	9
B18-180	EHW60A-B09B	9 kW Heater 230/208/3	J30A1-B, J36A1-B	9
B18-181	EHWA24-B06B	6 kW Heater 230/208/3	J24A1-B	9
B18-182	EHWA03-B06B	6 kW Heater 230/208/3	J30A1-B	9
B18-183	EHWA03-B09B	9 kW Heater 230/208/3	J30A1-B, J36A1-B	9
B18-184	EHW36A-B06B	6 kW Heater 230/208/3	J36A1-B	9
B18-185	EHWA37-B15B	15 kW Heater 230/208/3	J30A1-B, J36A1-B	13
B18-186	EHWA05-B09B	9 kW Heater 230/208/3	J42A1-B, J48A1-B	9
B18-187	EHWA05-B15B	15 kW Heater 230/208/3	J42A1-B, J48A1-B, J60A1-B	12
B18-188	EHW05A-B18B	18 kW Heaters 230/208/3	J42A1-B, J48A1-B, J60A1-B	12
B18-189	EHW70A-B09B	9 kW Heater 230/208/3	J70A1-B	9
B18-192	EHWH24B-C06	6 kW Heater 460/3	J24A1-C	9
B18-193	EHWC03A-C06	6 kW Heater 460/3	J30A1-C, J36A1-C	9
B18-194	EHWC03A-C09	9 kW Heater 460/3	J30A1-C, J36A1-C	9
B18-195	EHWA03A-C15	15 kW Heater 460/3	J30A1-C, J36A1-C	11
B18-196	EHWA05A-C09	9 kW Heater 460/3	J42A1-C, J48A1-C	9
B18-197	EHWA05A-C15	15 kW Heater 460/3	J42A1-C, J48A1-C	13
B20-927	EHW2TA-A05	5 kW Heater 208/230/1	J18AA-A	9
B20-928	EHW2TA-A08	8 kW Heater 208/230/1	J18AA-A, J24AA-A	9
B20-929	EHW2TA-A10	10 kW Heater 208/230/1	J18AA-A, J24AA-A	12
B20-930	EHWA24A-A04B	4 kW Heater 208/230/1	J24AA-A	9
B20-931	EHW3TA-A05	5 kW Heater 208/230/1	J30AA-A, J36AA-A	9
B20-932	EHW3TA-A08	8 kW Heater 208/230/1	J30AA-A, J36AA-A	9
B20-933	EHW3TA-A10	10 kW Heater 208/230/1	J30AA-A, J36AA-A	13
B20-934	EHW3TA-A15	15 kW Heater 208/230/1	J30AA-A, J36AA-A	12
B20-935	EHW4TA-A05	5 kW Heater 208/230/1	J42AA-A,J48AA-A	9

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Order #	Mfg. #	Description	For Use With	Wt. Lbs.
B20-936	EHW5TA-A05	5 kW Heater 208/230/1	J60AA-A, J72AA-A, J72AB-A	9
B20-937	EHW2TA-B06	6 kW Heater 208/230/3	J24AA-B	9
B20-938	EHW30A-B06	6 kW Heater 208/230/3	J30AA-B	9
B20-939	EHW3TA-B09	9 kW Heater 208/230/3	J30AA-B, J36AA-B	9
B20-940	EHW3TA-B15	15 kW Heater 208/230/3	J30AA-B, J36AA-B	11
B20-941	EHW3TA-B06	6 kW Heater 208/230/3	J36AA-B	9
B20-942	EHW4TA-B06	6 kW Heater 208/230/3	J42AA-B, J48AA-B, J60AA-B	9
B20-943	EHW5TA-B18	18 kW Heater 208/230/3	J60AA-B	10
B20-944	EHW6TA-B06	6 kW Heater 208/230/3	J72AA-B, J72AB-B	9
B20-945	EHW6TA-B18	18 kW Heater 208/230/3	J72AA-B, J72AB-B	10
B20-946	EHW3TA-C06	6 kW Heater 460/3	J30AA-C, J36AA-C	9
B20-947	EHW3TA-C09	9 kW Heater 460/3	J30AA-C, J36AA-C	9
B20-948	EHW3TA-C12	12 kW Heater 460/3	J30AA-C, J36AA-C	10
B20-949	EHW3TA-C15	15 kW Heater 460/3	J30AA-C, J36AA-C	13
B20-950	EHW4TA-C09	9 kW Heater 460/3	J42AA-C, J48AA-C, J60AA-C, J72AA-C	9
B20-951	EHW4TA-C15	15 kW Heater 460/3	J42AA-C, J48AA-C, J60AA-C, J72AA-C	13
Left Side Control Heat Packages				
B18-198	EHWA02A-A05LB	5 kW Heater 230/208/1	J17L1-A, J24L1-A	9
B18-199	EHW02A-A08LB	8 kW Heater 230/208/1	J17L1-A, J24L1-A	9
B18-200	EHWA02-A10LB	10 kW Heater 230/208/1	J17L1-A, J24L1-A	12
B18-201	EHWA03-A05LB	5 kW Heater 230/208/1	J30L1-A, J36L1-A	9
B18-202	EHWA03-A08LB	8 kW Heater 230/208/1	J30L1-A	9
B18-203	EHWA03-A10LB	10 kW Heater 230/208/1	J30L1-A, J36L1-A	13
B18-204	EHWA03-A15LB	15 kW Heater 230/208/1	J30L1-A, J36L1-A	13
B18-205	EHWA05-A05LB	5 kW Heater 230/208/1	J42L1-A, J48L1-A, J60L1-A	9
B18-206	EHWA05-A10LB	10 kW Heater 230/208/1	J42L1-A, J48L1-A, J60L1-A	12
B18-207	EHWA05-A15LB	15 kW Heater 230/208/1	J42L1-A, J48L1-A, J60L1-A	10
B18-208	EHWA24-B06LB	6 kW Heater 230/208/3	J24L1-B	9
B18-209	EHWA03-B09LB	9 kW Heater 230/208/3	J30L1-B, J36L1-B	9
B18-210	EHWA37-B15LB	15 kW Heater 230/208/3	J30L1-B, J36L1-B	13
B18-211	EHWA05-B09LB	9 kW Heater 230/208/3	J42L1-B. J48L1-B	9
B18-212	EHWA05-B15LB	15 kW Heater 230/208/3	J42L1-B. J48L1-B, J60L1-B	10
B18-213	EHWA60-B09LB	9 kW Heater 230/208/3	J60L1-B	9
B18-214	EHWC03-C09L	9 kW Heater 460/3	J30L1-C, J36L1-C	9
B18-215	EHWA03-C15L	15 kW Heater 460/3	J30L1-C, J36L1-C	13
B18-216	EHWA05A-C09L	9 kW Heater 460/3	J42L1-C, J48L1-C, J60L1-C	9
B18-217	EHWA05A-C15L	15 kW Heater 460/3	J42L1-C, J48L1-C, J60L1-C	12
B20-952	EHW2TA-A05L	5 kW Heater 208/230/1	J24LB-A	9
B20-953	EHW2TA-A08L	8 kW Heater 208/230/1	J24LB-A	9
B20-954	EHW2TA-A10L	10 kW Heater 208/230/1	J24LB-A	13
B20-955	EHW3TA-A05L	5 kW Heater 208/230/1	J30LB-A, J36LB-A	9
B20-956	EHW3TA-A08L	8 kW Heater 208/230/1	J30LB-A, J36LB-A	9
B20-957	EHW3TA-A10L	10 kW Heater 208/230/1	J30LB-A, J36LB-A	12
B20-958	EHW3TA-A15L	15 kW Heater 208/230/1	J30LB-A, J36LB-A	12
B20-959	EHW4TA-A05L	5 kW Heater 208/230/1	J42LA-A, J48LA-A, J60LA-A	9
B20-960	EHW6TA-A05L	5 kW Heater 208/230/1	J72LB-A	9
B20-961	EHW72A-A10LB	10 kW Heater 208/230/1	J72LB-A	12
B20-962	EHW72A-A15LB	15 kW Heater 208/230/1	J72LB-A	10
B20-963	EHW2TA-B06L	6 kW Heater 208/230/3	J24LB-B	9
B20-964	EHW3TA-B09L	9 kW Heater 208/230/3	J30LB-B	9
B20-965	EHW3TA-B15L	15 kW Heater 208/230/3	J30LB-B	11
B20-966	EHW4TA-B06L	6 kW Heater 208/230/3	J42LA-B, J48LA-B, J60LA-B	9
B20-967	EHW6TA-B06L	6 kW Heater 208/230/3	J72LB-B	9
B20-968	EHW70A-B09LB	9 kW Heater 208/230/3	J72LB-B	9
B20-969	EHW3TA-C09L	9 kW Heater 460/3	J30LB-C, J36LB-C	9
B20-970	EHW3TA-C15L	15 kW Heater 460/3	J30LB-C, J36LB-C	13
B20-971	EHW4TA-C09L	9 kW Heater 460/3	J30LB-C, J36LB-C	9
B20-972	EHW4TA-C15L	15 kW Heater 460/3	J30LB-C, J36LB-C	13
Heat Pump Heat Packages				
L82-495	EHW2HB-B05	5 kW Heater 208/230/3	J24HB-B	9
L82-496	EHW2HB-C05	5 kW Heater 460	J24HB-C	9
L82-497	EHW30HB-A05	5 kW Heater 1Ph	J30HB-A	9
L82-498	EHW30HB-A10	10 kW Heater 1Ph	J30HB-A	11
L82-499	EHW30HB-B05	5 kW Heater 208/230/3	J30HB-B	9
L82-500	EHW3HB-B09	9 kW Heater 208/230/3	J30HB, J36HB-B	9
L82-501	EHW3HB-C05	5 kW Heater 460	J30HB-C, J36HB-C	9
L82-502	EHW3HB-C09	9 kW Heater 460	J30HB-C, J36HB-C	9
L82-503	EHW3HB-A05	5 kW Heater 1Ph	J36HB-A	9
L82-504	EHW3HB-A10	10 kW Heater 1Ph	J36HB-A	9

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Order #	Mfg. #	Description	For Use With	Wt. Lbs.
L82-505	EHW3HB-A15	15 kW Heater 1Ph	J36HB-A	14
L82-506	EHW3HB-B05	5 kW Heater 208/230/3	J36HB-B	9
L82-507	EHW3HC-A04	4 kW Heater 1Ph	J36HB-A	9
L82-508	EHW3HC-A05	5 kW Heater 1Ph	J36HB-A	9
L82-509	EHW6HCDA10	10 kW Heater 1Ph	J36HB-A, J48HC-A, J60HC-A	10
L82-510	EHW3HC-A15	15 kW Heater 1Ph	J36HB-A, J48HC-A	16
L82-511	EHW3HC-B05	5 kW Heater 208/230/3	J36HB-B	9
L82-512	EHW3HC-B09	9 kW Heater 208/230/3	J36HB-B	9
L82-513	EHW3HC-B15	15 kW Heater 208/230/3	J36HB-B	11
L82-514	EHW3HC-C05	5 kW Heater 460	J36HB-C	9
L82-516	EHW3HC-C15	15 kW Heater 460	J36HB-C	15
L82-517	EHW4HC-A04	4 kW Heater 1Ph	J48HC-A	9
L82-518	EHW4HC-A05	5 kW Heater 1Ph	J48HC-A	9
L82-519	EHW4HC-A15	15 kW Heater 1Ph	J48HC-A	16
L82-520	EHW4HC-A20	20 kW Heater 1Ph	J48HC-A	16
L82-521	EHW4HC-B09	9 kW Heater 208/230/3	J48HC-B	9
L82-522	EHW4HC-B15	kW Heater 208/230/3	J48HC-B	14
L82-523	EHW4HC-B18	18 kW Heater 208/230/3	J48HC-B	15
L82-524	EHW4HC-C05	5 kW Heater 460	J48HC-C	9
L82-525	EHW4HC-C09	9 kW Heater 460	J48HC-C	9
L82-526	EHW4HC-C15	15 kW Heater 460	J48HC-C, J60HC-C	16
L82-527	EHW6HCDA05	5 kW Heater 1Ph	J60HC-A	9
L82-528	EHW6HC-A15	15 kW Heater 1Ph	J60HC-A	14
L82-529	EHW6HC-A20	20 kW Heater 1Ph	J60HC-A	17
L82-530	EHW6HC-B09	9 kW Heater 208/230/3	J60HC-B	9
L82-531	EHW6HC-B15	15 kW Heater 208/230/3	J60HC-B	14
L82-532	EHW6HC-B18	18 kW Heater 208/230/3	J60HC-B	17
L82-533	EHW6HC-C09	9 kW Heater 460	J60HC-C	9
L82-534	EHW2HB-A04	4kW Heater 208/230/1	J24HB-A	9
L82-535	EHW2HB-A08	8kW Heater 208/230/1	J24HB-A	10
B18-222	EHWH02A-A04B	4 kW Heater 208/230/1	J18H1-A	9
B18-223	EHWH02A-A08B	8 kW Heater 208/230/1	J18H1-A	9
B18-224	EHW24H-A04B	4 kW Heater 208/230/1	J24H1-A	9
B18-225	EHW24H-A08B	8 kW Heater 208/230/1	J24H1-A	9
B18-226	EHWH30-A05B	5 kW Heater 208/230/1	J30H1-A	9
B18-227	EHWH30-A10B	10 kW Heater 208/230/1	J30H1-A	13
B18-228	EHWH36-A05B	5 kW Heater 208/230/1	J36H1-A	9
B18-229	EHWH36-A10B	10 kW Heater 208/230/1	J36H1-A	10
B18-230	EHWH36-A15B	15 kW Heater 208/230/1	J36H1-A	12
B18-231	EHWH42-A05B	5 kW Heater 208/230/1	J42H1-A, J48H1-A	9
B18-232	EHWH42-A10B	10 kW Heater 208/230/1	J42H1-A, J48H1-A	13
B18-233	EHWH42-A15B	15 kW Heater 208/230/1	J42H1-A, J48H1-A	12
B18-234	EHWH04-A04B	4 kW Heater 208/230/1	J42H1-A, J48H1-A	9
B18-235	EHWH04-A05B	5 kW Heater 208/230/1	J60H1-A	9
B18-236	EHWH04-A10B	10 kW Heater 208/230/1	J60H1-A	10
B18-237	EHWH04-A15B	15 kW Heater 208/230/1	J60H1-A	11
B18-238	EHWH04-A20B	20 kW Heater 208/230/1	J48H1-A, J60H1-A	11
B18-239	EHW36H-B06B	6 kW Heater 208/230/3	J36H1-B	9
B18-240	EHW24H-B06B	6 kW Heater 208/230/3	J24H1-B	9
B18-241	EHWH03-B06B	6 kW Heater 208/230/3	J30H1-B	9
B18-242	EHWH03-B09B	9 kW Heater 208/230/3	J30H1-B	9
B18-243	EHW36H-B15B	15 kW Heater 208/230/3	J36H1-B	13
B18-244	EHWH05-B06B	6 kW Heater 208/230/3	J42H1-B, J48H1-B	9
B18-245	EHWH05-B09B	9 kW Heater 208/230/3	J42H1-B, J48H1-B, J60H1-B	9
B18-246	EHW05H-B18B	18 kW Heater 208/230/3	J48H1-B, J60H1-B	13
B18-247	EHWH05-B15B	15 kW Heater 208/230/3	J42H1-B, J48H1-B, J60H1-B	13
B18-252	EHWH03A-C15	15 kW Heater 460/3	J30H1-C, J36H1-C	10
B18-253	EHWH42-C06	6 kW Heater 460/3	J42H1-C	9
B18-254	EHWH05A-C09	9 kW Heater 460/3	J42H1-C, J48H1-C, J60H1-C	9
B18-255	EHWH05A-C15	15 kW Heater 460/3	J42H1-C, J48H1-C, J60H1-C	11
B20-973	EHW18H-A04	4 kW Heater 208/230/1	J18HB-A	9
B20-974	EHW18H-A08	8 kW Heater 208/230/1	J18HB-A	9
B20-975	EHW2TH-A04	4 kW Heater 208/230/1	J24HB-A	9
B20-976	EHW2TH-A08	8 kW Heater 208/230/1	J24HB-A	9
B20-977	EHW4TH-A05	5 kW Heater 208/230/1	J48HC-A	9
B20-978	EHW4TH-A10	10 kW Heater 208/230/1	J48HC-A	12
B20-979	EHW4TH-A15	15 kW Heater 208/230/1	J48HC-A	11
B20-980	EHW5TH-A10	10 kW Heater 208/230/1	J60HA-A	10
B20-981	EHW3TH-B15	15 kW Heater 208/230/3	J36HB-B	13

continued on next page

Order #	Mfg. #	Description	For Use With	Wt. Lbs.
B20-982	EHW4TH-B18	18 kW Heater 208/230/3	J48HA-B, J60HA-B	12
B20-983	EHW4TH-C06	6 kW Heater 460/3	J42HA-C	9
B20-984	EHW4TH-C09	9 kW Heater 460/3	J42HA-C, J48HA-C, J60HA-C	9
B20-985	EHW4TH-C15	15 kW Heater 460/3	J42HA-C, J48HA-C, J60HA-C	10
Air Conditioner Heat Packages				
L82-433	EHW1TAB-A05L	5 kW Heater 1Ph	J18LB-A	9
L82-450	EHW1TAB-A08L	8 kW Heater 1Ph	J18LB-A	9
L82-451	EHW2TAB-A05L	5 kW Heater 1Ph	J24LB-A	9
L82-452	EHW2TAB-A08L	8 kW Heater 1Ph	J24LB-A	9
L82-461	EHW3TAB-A15L	15 kW Heater 1Ph	J30LB-A	14
L82-462	EHW3TAB-B15L	15 kW Heater 208/230/3	J30LB-B	14
L82-463	EHW3TAB-C15L	15 kW Heater 460/3	J30LB-C	16
L82-464	EHW2TAB-A05	5 kW Heater 1Ph	J24AB-A	9
L82-465	EHW2TAB-A08	8 kW Heater 1Ph	J24AB-A	9
L82-466	EHWA48C-A05	5 kW Heater 1Ph	J42AC-A, J48AC-A	9
L82-467	EHWA42C-A10	10 kW Heater 1Ph	J42AC-A	10
L82-468	EHWA42C-A15	15 kW Heater 1Ph	J42AC-A, J48AC-A, J72AC-A	14
L82-469	EHWA42C-A20	20 kW Heater 1Ph	J42AC-A, J48AC-A	16
L82-470	EHWA42C-B06	6 kW Heater 208/230/3	J42AC-B, J48AC-B	9
L82-471	EHWA42C-B09	9 kW Heater 208/230/3	J42AC-B	9
L82-472	EHWA42C-B15	15 kW Heater 208/230/3	J42AC-B	15
L82-473	EHWA42C-B18	18 kW Heater 208/230/3	J42AC-B	16
L82-474	EHWA42C-C09	9 kW Heater 460	J42AC-C	9
L82-475	EHWA42C-C15	15 kW Heater 460	J42AC-C, J48AC-C	14
L82-476	EHWA42CD-B09	9 kW Heater 208/230/3	J48AC-B	9
L82-477	EHWA48C-B15	15 kW Heater 208/230/3	J48AC-B	14
L82-478	EHWA48C-B18	18 kW Heater 208/230/3	J48AC-B, J72AC-B	16
L82-479	EHWA48C-C09	9 kW Heater 460	J48AC-C	9
L82-480	EHWA42C-A05	5 kW Heater 1Ph	J60AC-A	9
L82-481	EHWA60C-A10	10 kW Heater 1Ph	J60AC-A	40
L82-482	EHWA60C-A15	15 kW Heater 1Ph	J60AC-A	14
L82-483	EHWA60C-A20	20 kW Heater 1Ph	J60AC-A	16
L82-484	EHWA60C-B06	6 kW Heater 208/230/3	J60AC-B	9
L82-485	EHWA60C-B09	9 kW Heater 208/230/3	J60AC-B	9
L82-486	EHWA60C-B15	15 kW Heater 208/230/3	J60AC-B, J72AC-B	14
L82-487	EHWA60C-B18	18 kW Heater 208/230/3	J60AC-B	16
L82-488	EHWA60C-C09	9 kW Heater 460	J60AC-C, J72AC-C	9
L82-489	EHWA60C-C15	15 kW Heater 460	J60AC-C, J72AC-C	14
L82-490	EHWA72C-A05	5 kW Heater 1Ph	J72AC-A	9
L82-491	EHWA72C-A10	10 kW Heater 1Ph	J72AC-A	10
L82-492	EHWA72C-A15	15 kW Heater 1Ph	J72AC-A	15
L82-493	EHWA72C-B06	6 kW Heater 208/230/3	J72AC-B	9
L82-494	EHWA72C-B09	9 kW Heater 208/230/3	J72AC-B	9
L82-536	EHW3TAB-C15	15kW Heater 460/3	J36AB-C	12

MOTOR FINDER

Find the Right Commercial IHP Motor and Save Time

- *Most Efficienct Way to Search Filter by Brand, Volts, HP and Other Features*
- *Compare Specifications Side by Side For up to Four Motors*
- *Real-Time Inventory and Pricing*

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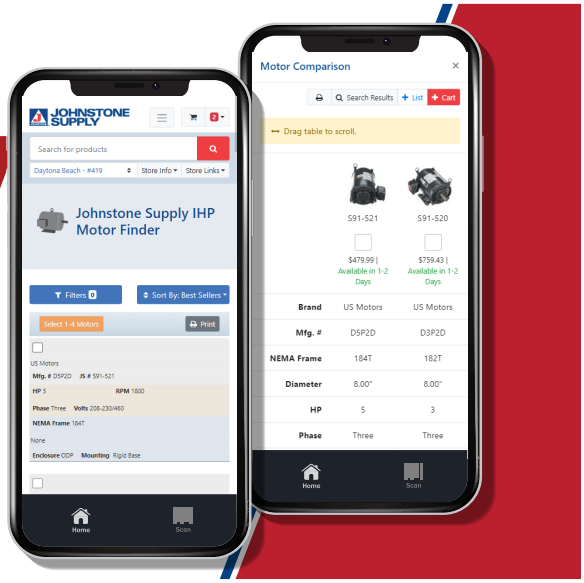
Must be logged into JohnstoneSupply.com to access



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Vertical Packaged Units

Vert-I-Pak Heat Pumps

- Diamonblue Advanced Corrosion Protection® for condenser coils
- Desk control ready
- Fresh air damper
- Energy management system compatible
- Electronic defrost control
- Condensate disposal system
- Optional wired wall thermostat with pop-out wiring module



A



B

Fig.	Order #	Mfg. #	Type	Volts	BtuH Cooling	BtuH Heating	EER	Air Delivery CFM	Fuse Size T.D.	Width	Height	Depth	Wt. Lbs.
230/208V													
A	**B67-886**	VHA09K25RTQ	Heat Pump	230/208	9,000	8,200	10.6	300	15	23"	32"	23"	164
A	**B67-887**	VHA09K34RTQ	Heat Pump	230/208	9,000	8,200	10.6	300	20	23"	32"	23"	164
A	**B67-888**	VHA09K50RTQ	Heat Pump	230/208	9,000	8,200	10.6	300	30	23"	32"	23"	164
A	**B67-889**	VHA09R25RTQ	Heat Pump	265	9,000	8,200	10.6	300	15	23"	32"	23"	166
A	**B67-890**	VHA09R34RTQ	Heat Pump	265	9,000	8,200	10.6	300	20	23"	32"	23"	166
A	**B67-891**	VHA09R50RTQ	Heat Pump	265	9,000	8,200	10.6	300	30	23"	32"	23"	166
230/208V													
A	**B67-892**	VHA12K25RTQ	Heat Pump	230/208	12,000	10,400	10.6	350	15	23"	32"	23"	169
A	**B67-893**	VHA12K34RTQ	Heat Pump	230/208	12,000	10,400	10.6	350	20	23"	32"	23"	169
A	**B67-894**	VHA12K50RTQ	Heat Pump	230/208	12,000	10,400	10.6	350	30	23"	32"	23"	169
A	**B67-895**	VHA12R25RTQ	Heat Pump	265	12,000	10,400	10.6	350	15	23"	32"	23"	171
A	**B67-896**	VHA12R34RTQ	Heat Pump	265	12,000	10,400	10.6	350	20	23"	32"	23"	171
A	**B67-897**	VHA12R50RTQ	Heat Pump	265	12,000	10,400	10.6	350	30	23"	32"	23"	171
230/208V													
B	**B67-898**	VHA18K25RTQ	Heat Pump	230/208	18,000	16,000	10.6	550	15	23"	47"	23"	216
B	**B67-899**	VHA18K34RTQ	Heat Pump	230/208	18,000	16,000	10.6	550	20	23"	47"	23"	216
B	**B67-900**	VHA18K50RTQ	Heat Pump	230/208	18,000	16,000	10.6	550	30	23"	47"	23"	216
B	**B67-901**	VHA18K75RTQ	Heat Pump	208/230	18,000	16,000	10.6	550	45	23"	47"	23"	216
B	**B67-902**	VHA18R25RTQ	Heat Pump	265	18,000	16,000	10.6	550	15	23"	47"	23"	218
B	**B67-903**	VHA18R34RTQ	Heat Pump	265	18,000	16,000	10.6	550	20	23"	47"	23"	218
B	**B67-904**	VHA18R50RTQ	Heat Pump	265	18,000	16,000	10.6	550	30	23"	47"	23"	218
B	**B67-905**	VHA18R75RTQ	Heat Pump	265	18,000	16,000	10.6	550	45	23"	47"	23"	218
230/208V													
B	**B67-906**	VHA24K10RTQ	Heat Pump	230/208	24,000	18,500	10.6	600	60	23"	52"	23"	269
B	**B67-907**	VHA24K25RTQ	Heat Pump	230/208	24,000	18,500	10.6	600	20	23"	52"	23"	269
B	**B67-908**	VHA24K34RTQ	Heat Pump	230/208	24,000	18,500	10.6	600	25	23"	52"	23"	269
B	**B67-909**	VHA24K50RTQ	Heat Pump	230/208	24,000	18,500	10.6	600	30	23"	52"	23"	269
B	**B67-910**	VHA24K75RTQ	Heat Pump	230/208	24,000	18,500	10.6	600	45	23"	52"	23"	269
B	**B67-911**	VHA24R10RTQ	Heat Pump	265	24,000	18,500	10.6	600	50	23"	52"	23"	271
B	**B67-912**	VHA24R25RTQ	Heat Pump	265	24,000	18,500	10.6	600	20	23"	52"	23"	271
B	**B67-913**	VHA24R34RTQ	Heat Pump	265	24,000	18,500	10.6	600	20	23"	52"	23"	271
B	**B67-914**	VHA24R50RTQ	Heat Pump	265	24,000	18,500	10.6	600	30	23"	52"	23"	271
B	**B67-915**	VHA24R75RTQ	Heat Pump	265	24,000	18,500	10.6	600	40	23"	52"	23"	271

Vertical Packaged Unit Accessories

- Used for field installation on Friedrich Vertical Packaged Units

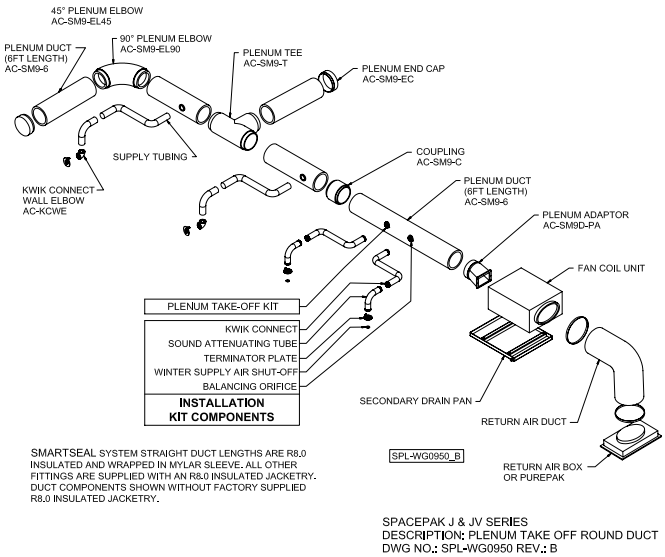


Order #	Mfg. #	Description	For Use With	Wt. Lbs.
B18-871	EMRT2	Wired Thermostat	Vertipaks	1
B18-872	EMWRT2	Wireless Thermostat	Vertipaks	1
B87-757	VPDP2	Drain Pan For 18K and 24K chassis	Vertipaks	1

SpacePak® the Flexible Alternative To Conventional Cooling And Heating

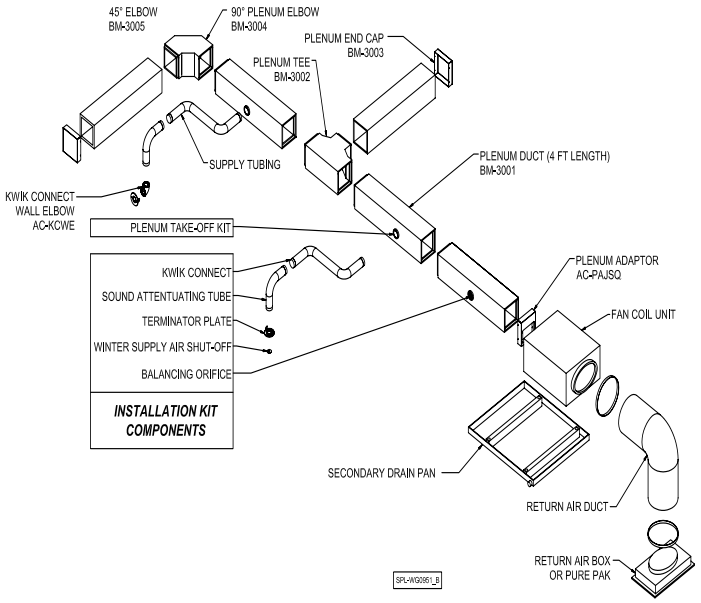
SpacePak is ideal for:

- Older homes, historic landmarks and townhouses heated with hot water, steam or radiant electric heat
- Newly constructed homes and condos warmed by radiant floor heating
- Commercial units with multiple zone requirements



SMARTSEAL SYSTEM STRAIGHT DUCT LENGTHS ARE R8.0 INSULATED AND WRAPPED IN MYLAR SLEEVE. ALL OTHER FITTINGS ARE SUPPLIED WITH AN R8.0 INSULATED JACKETRY. DUCT COMPONENTS SHOWN WITHOUT FACTORY SUPPLIED R8.0 INSULATED JACKETRY.

SPACEPAK J & JV SERIES
DESCRIPTION: PLENUM TAKE OFF ROUND DUCT
DWG NO.: SPL-WG0950 REV.: B



SPACEPAK J & JV SERIES
DESCRIPTION: PLENUM TAKE OFF SQUARE DUCT

ESP-J Series DX Fan Coil Units

2 To 5 Ton, Horizontal Air Flow



- R410A refrigerant
- Heat pump compatible
- Six-row copper/aluminum evaporator coil
- Factory installed Chatleff Thermal Expansion Valve
- Diagnostic J+ Advanced Control Board with 2 Line Display
- Anti-frost control
- Insulated cabinet
- High efficiency EC integrated motor/blower assembly
- Condensate trap
- Anti-vibration foam strips
- Mold resistant primary drain pan
- Field convertible to 115V with factory supplied kit
- See AHRI directory at www.ahridirectory.org for specific capacity and SEER rating

Order #	Mfg. #	Model #	Nom. Tons	CFM @ 1.5" W.C	F/L Amps	Motor HP	Suction Conn.	Liquid Conn.	Width	Height	Depth	Wt. Lbs.
B63-115	45ESP2430JH4MC	ESP-2430J	2 / 2-1/2	550	5.6	3/4	7/8"	3/8"	24-1/4"	14-1/8"	29-3/8"	105
B63-116	45ESP3642JH4MC	ESP-3642J	3 / 3-1/2	850	7.6	3/4	7/8"	3/8"	33-1/4"	14-1/8"	29-3/8"	126
B63-117	45ESP4860JH4MC	ESP-4860J	4 / 5	1,150	10.6	3/4	7/8"	3/8"	43-1/4"	14-1/8"	29-3/8"	144

ESP-JV Series Fan Coil Units

2 To 5 Ton, Vertical Air Flow



- R410A refrigerant
- Heat pump compatible
- Six-row copper/aluminum evaporator coil
- Sweat-type refrigerant connections
- Factory installed Chaleff Thermal Expansion Valve
- Anti-frost control Diagnostic J+ Advanced Control Board with 2 Line Display
- Insulated cabinet
- High efficiency EC integrated motor/blower assembly
- Condensate trap
- Anti-vibration foam straps
- Mold resistant primary drain pan
- Field convertible to 115V with factory supplied kit

Order #	Mfg. #	Model #	Nom. Tons	CFM @ 1.5" W.C	F/L Amps	Motor HP	Suction Conn.	Liquid Conn.	Width	Height	Depth	Wt. Lbs.
B63-118	45ESP2430JV4MC	ESP-2430JV	2 / 2-1/2	550	5.6	3/4	7/8"	3/8"	24"	34"	16-1/8"	135
B63-119	45ESP3642JV4MC	ESP-3642JV	3 / 3-1/2	850	7.6	3/4	7/8"	3/8"	33"	34"	16-1/8"	170
B63-120	45ESP4860JV4MC	ESP-4860JV	4 / 5	1,150	10.6	3/4	7/8"	3/8"	43"	34"	16-1/8"	210

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WCSP-J Series Hydronic Fan Coil Units

2 To 5 Ton, Horizontal Air Flow

- Six-row copper/aluminum coil
- Sweat-type connections
- Insulated cabinet
- Float switch
- Condensate trap
- Anti-vibration foam strips
- J+ advanced control board with 2 Line Display Board
- High efficiency EC integrated motor/blower assembly
- Mold resistant primary drain pan
- Field convertible to 115V with factory supplied kit



A



B

Fig.	Order #	Mfg. #	Model #	Nom. Tons	BtuH Cooling	BtuH Heating	GPM Min. Flow	CFM @ 1.5" W.C	F/L Amps	Motor HP	Water Conn. Inlet	Water Conn. Outlet	Width	Height	Depth	Wt. Lbs.
Horizontal Fan Coils																
A	**B63-121**	45WCS2430JH0MC	WCSP-2430J	2 / 2-1/2	29,000	52,000	2.4	550	2.8	3/4	7/8"	7/8"	24-1/4"	14-1/8"	29-3/8"	105
A	**B63-122**	45WCS3642JH0MC	WCSP-3642J	3 / 3-1/2	44,000	78,000	2.4	850	4	3/4	7/8"	7/8"	33-1/4"	14-1/8"	29-3/8"	123
A	**B63-123**	45WCS4860JH0MC	WCSP-4860J	4 / 5	60,000	105,000	2.4	1,150	5.4	3/4	7/8"	7/8"	43-1/4"	14-1/8"	29-3/8"	144
Vertical Fan Coils																
B	**B63-124**	45WCS2430JV0MC	WCSP-2430JV	2 / 2-1/2	29,000	52,000	2.4	550	2.8	3/4	7/8"	7/8"	24"	33"	16-1/8"	135
B	**B63-125**	45WCS3642JV0MC	WCSP-3642JV	3 / 3-1/2	44,000	78,000	2.4	850	4	3/4	7/8"	7/8"	33"	33"	16-1/8"	170
B	**B63-126**	45WCS4860JV0MC	WCSP-4860JV	4 / 5	60,000	105,000	2.4	1,150	5.4	3/4	7/8"	7/8"	43"	33"	16-1/8"	210

SpacePak® Distribution System Components

Individual Components for Installation of SpacePak® High Velocity Air Systems

Order #	Mfg. #	Model #	Description	For Use With	Wt. Lbs.
N87-219	45AC-KCWE	AC-KCWE	Kwik Connect Wall Elbow — 5 Pack	SpacePak Kwik Connect Fittings and Supply Tubing	3.0
N98-069	45AC-RBF-3	AC-RBF-3	Return Air Box for 3642	SpacePak 3-3.5 Ton Air Handlers	22.0
N98-489	45AC-ST6-100	AC-ST6-100	Supply Tubing — 100' Lengths	SpacePak Small Duct High Velocity Systems	40.0
N98-488	45AC-ST8-75	AC-ST8-75	R8 Supply Tubing — 75' Lengths	SpacePak Small Duct High Velocity Systems	35.0
N87-185	44BM-9149	SPC-1D	Return Air Box for 2430	SpacePak 2 - 2.5 Ton Air Handlers	16.0
N45-169	44BM-6815	SPC-22-50	Plenum Takeoff Fasteners (Clips) — 50 Pack	SpacePak Kwik Connect Take-Off Fitting	1.0
N45-177	44BM-6818	SPC-38-10	Kwik Connects — 10 Pack	SpacePak System Take-Off, Install Kit, and Termination Plates	2.0
N98-070	44BM-9169	SPC-3D	Return Air Box for 4860	SpacePak 4-5 Ton Air Handlers	22.0
N87-186	44BM-6808-10	SPC-4	Return Air Duct for 2430 (10 Ft.)	SpacePak 2 - 2.5 Ton Air Handlers	8.0
N45-170	44BM-6819	SPC-42-10	Winter Supply Air Shutoffs — 10 Pack	SpacePak Circular Outlet Termination Plates	1.0
N98-072	44BM-6809-10	SPC-5	Return Air Duct for 3642 (10 Ft.)	SpacePak 3-3.5 Ton Air Handlers	10.0
N98-074	44BM-6839-10	SPC-6	Return Air Duct for 4860 (10 Ft.)	SpacePak 4-5 Ton Air Handlers	13.0
N45-171	44BM-6822	SPC-71-10	Plenum Hole Cutter	SpacePak Square Fiberboard Plenum Ductwork	0.3
N45-172	44BM-6898	SPC-72	Pliers (PTO Clip Spreaders)	SpacePak Plenum Take-Offs	1.0
N45-173	44BM-2559	SPRK-2A	Sheet Metal Mounting Brackets to “Rough In” Supply Tubing — 2 Pack	SpacePak Supply Tubing	2.0
N45-174	44BM-2560	SPRK-5A	Sheet Metal Mounting Brackets to “Rough In” Supply Tubing — 5 Pack	SpacePak Supply Tubing	3.0

Air Distribution Common Parts Installation Kits

- For use with all duct system types
- **N98-123** includes: 2 sound attenuators (w/ Kwik Connects installed); 4 Kwik Connects; one each of 15%, 35% and 50% balancing orifice; 2 terminator plates (w/clips & screws); 2 winter supply air shutoffs
- **N98-124** includes: 5 sound attenuators (w/ Kwik Connects installed); 10 Kwik Connects; 2 each of 15%, 35% and 50% balancing orifice; 5 terminator plates (w/clips & screws); 5 winter supply air shutoffs
- Take-off kits ordered separately



Order #	Mfg. #	Model #	Description	For Use With	Wt. Lbs.
N98-123	45AC-IKLT-2	AC-IKLT-2	Two Outlet Common Part Kit	SpacePak Supply Tubing	5
N98-124	45AC-IKLT-5	AC-IKLT-5	Five Outlet Common Part Kit	SpacePak Supply Tubing	11

Fiberboard Plenum Duct Components and Take-Off Kits

8" ID (10" OD) 1" Thick



- Square fiberboard ducting with male/female slip-joint end connections in 4-foot lengths
- 10" x 10" square fiberglass kit, which mounts on the discharge of the unit to connect the fiberboard includes: one square adapter plate; one square foam gasket; 4 sheet metal screws
- One-inch insulation
- **N45-195** and **N45-196** include gasket and clips

Order #	Mfg. #	Model #	Description	Inside Dimensions	Length	Wt. Lbs.
N45-195	45AC-TKFS-2	AC-TKFS-2	Take-Off Kit	—	—	2.0
N45-196	45AC-TKFS-5	AC-TKFS-5	Take-Off Kit	—	—	3.0
N98-092	44BM-3001	SPS-PD-6	Square Plenum Duct	8" x 8" Square	48"	4.0
N98-093	44BM-3002	SPS-T-4	Plenum Tee	8" x 8" Square	24"	2.0
N98-094	44BM-3004	SPS-90-4	90° Elbow	8" x 8" Square	17.5"	3.0
N87-197	44BM-3005	SPS-45-4	45° Elbow	8" x 8" Square	14.72"	8.0
N87-198	44BM-3003	SPS-EC-10	End Cap	8" x 8" Square	10" x 10" Square	0.5
N98-087	44BM-3006	SPS-H-1	Plenum H	8" x 8" Square	31"	3.0
N45-187	44BM-3008	BM-3008	Square Plenum Take-Off	—	—	3.0

Round Sheet Metal Plenum Adaptor and Take-Off Kits

9" Round Sheet Metal Duct



- **N87-196** includes: one round adapter plate; one round foam gasket; 4 sheet metal screws
- 9" Diameter discharge collar which mounts on the discharge of the SpacePak unit to connect the sheet metal duct to the unit
- **N45-197** includes gaskets and clips
- **N45-198** includes gaskets and clips

Order #	Mfg. #	Model #	Description	For Use With	Wt. Lbs.
N45-197	45AC-TKMR-2	AC-TKMR-2	Take-Off Kit	SpacePak SmartSeal or Round Metal Plenum Duct	2.0
N45-198	45AC-TKMR-5	AC-TKMR-5	Take-Off Kit	SpacePak SmartSeal or Round Metal Plenum Duct	3.0
N45-189	45AC-TORD	AC-TORD	Round Takeoff	Round Sheet Metal Plenum Duct or SpacePak SmartSeal Plenum Duct	0.2

Electric Duct Heater Modules

External Electric Heaters, EEH Series, 2 to 20kW



- Direct mount to horizontal SpacePak J Series air handlers
- Single or dual power supply
- Internal safeties
- Internal staging controls

Order #	Mfg. #	Model #	kW	Volts	For Use With	Width	Height	Depth	Wt. Lbs.
L95-847	45AC-EEH-020	EEH-020	2	240	2430, 3642, 4860 J	19"	10-1/2"	26"	37
L95-848	45AC-EEH-050	EEH-050	5	240	2430, 3642, 4860 J	19"	10-1/2"	26"	37
L95-849	45AC-EEH-075	EEH-075	7.5	240	2430, 3642, 4860 J	19"	10-1/2"	26"	38
L95-850	45AC-EEH-100	EEH-100	10	240	2430, 3642, 4860 J	19"	10-1/2"	26"	38
L95-851	45AC-EEH-150	EEH-150	15	240	3642, 4860 J	19"	10-1/2"	28"	46
L95-852	45AC-EEH-200	EEH-200	20	240	4860 J	19"	10-1/2"	28"	47

WPAK Hydronic Coils



- High-output 4 row coil
- Easily mounts directly to all SpacePak fan coil units
- 5/8” copper connections
- Encased in a sheet metal cabinet
- 208/230V

Order #	Mfg. #	Model #	Volts	For Use With	BtuH Capacity @ 6GPM 200°F	Water Conn. Inlet	Water Conn. Outlet	Width	Height	Depth	Wt. Lbs.
Waterpak Hot Water Coil Modules											
N87-181	45AC-WPAK-60	45AC-WPAK-60	208/230	2430 J/G/F/E/D/V	70,200	5/8"	5/8"	24"	14"	8-3/4"	25
N98-065	45AC-WPAK-90	45AC-WPAK-90	208/230	3642 J/G/F/E/D/V	103,100	5/8"	5/8"	33"	14"	8-3/4"	33
N98-066	45AC-WPAK-120	45AC-WPAK-120	208/230	4860 J/G/F/E/D/V	133,800	5/8"	5/8"	43"	14"	8-3/4"	43

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Honeywell

Home Standby Generators

Honeywell

Air-Cooled Generator Sets

- PrecisionPower™ electrical technology
- Two line LCD multilingual digital controller (English/Spanish/French/Portuguese)
- Electronic governor
- System status and maintenance interval LED indicators
- Standard Wi-Fi remote monitoring
- Flexible fuel line connector
- WhisperCheck™ exercise
- Direct-to-dirt composite pad
- Aluminum enclosure
- Base fascia
- Natural gas or LP gas operation



Order #	Mfg. #	Description	Gas Type	kW	Volts	Amps	Width	Height	Depth	Wt. Lbs.
G95-182	7179	10kW Air Cooled Standby Generator	LP/NG	10	240V	41.7	25"	29"	48"	338
G95-192	7229	14kW Air Cooled Standby Generator	LP/NG	14	240V	58.3	25"	29"	48"	385
G95-193	7230	18kW Air Cooled Standby Generator	LP/NG	18	240V	75.0	25"	29"	48"	420
G95-181	7065	22kW Air Cooled Standby Generator	LP/NG	22	240V	92.0	25"	29"	48"	466
G95-194	7213	24kW Air Cooled Standby Generator	LP/NG	24	240V	100	50"	44"	27"	455
G95-202	7292	26kW Air Cooled Standby Generator	LP/NG	26	240V	110	25"	29"	48"	518

Transfer Switches

Honeywell

- Transfer switches for standby generators



Order #	Mfg. #	Description	Amps
G95-133	RXG16EZA1H	Automatic Transfer Switch	85
G80-713	RXSM100A3	Automatic Transfer Switch	100
G81-007	RXSM150A3	Automatic Transfer Switch	150
G80-759	RXSM200A3	Automatic Transfer Switch	200
G81-017	6853	Manual Transfer Switch	30

Generator Accessories

Honeywell

- For use with standby units



A



B



C

Fig.	Order #	Mfg. #	Description	For Use With
A	**G38-079**	7001	Smart Management Module (SMM)	Honeywell Standby Generators
B	**G36-952**	0H3421S	Wet Cell Battery	Air Cooled House Standby Generators
C	**G36-621**	6482	Maintenance Kit	8kW Standby Generator - 2013 and later
C	**G36-619**	5662	Maintenance Kit	8kW Standby Generator - Prior to 2013
C	**G36-622**	6483	Maintenance Kit	11kW Standby Generator - 2013 and later
C	**G36-620**	5663	Maintenance Kit	11kW Standby Generator - Prior to 2013
C	**G36-612**	5664	Maintenance Kit	15kW Standby Generator - 2013 and later
C	**G36-623**	6484	Maintenance Kit	15kW Standby Generator - Prior to 2013
C	**G36-624**	6485	Maintenance Kit	20kW Standby Generator - 2013 and later
C	**G36-613**	5665	Maintenance Kit	20kW Standby Generator - Prior to 2013

QwikProducts by Mainstream Engineering



QwikPad® Generator Pad

- Meets wind loading requirements up to 180 MPH
- UV-resistant highly durable construction
- Contains a unique gelling agent that forms a solidus gel and provides freeze protection
- Unfilled Weight 46 Lbs.; Filled Weight 330 Lbs.
- Includes corrosion-resistant stainless steel mounting hardware
- Designed for Generac/Honeywell generators between 9 - 26 kW

Order #	Mfg. #	Each
G95-201	QT8230	**825.00**

Bosch Gas Furnaces

BOSCH Invented for life



96% AFUE Upflow/Horizontal Gas Furnaces

BGH96 Series,Two-Stage, Multi-Speed ECM

- Aluminized steel tubular heat exchanger
- Stainless-steel secondary heat exchanger
- Hot surface igniter
- 2-stage gas valve
- Multi-speed ECM motor
- Upflow (right or left return) and horizontal orientation
- Left or right connection for gas and electrical service
- Factory installed natural gas to propane conversion kit

Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. Tons	Nom. CFM	CFM @ 0.5" ESP	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
L94-290	BGH96M060B3B	96.0%	60,000	57,000	3	1,200	780	8.0	2"	17-1/2"	33-3/4"	28-1/2"	135
L94-291	BGH96M080B3B	96.0%	80,000	76,000	3	1,200	1,050	8.0	2"	17-1/2"	33-3/4"	28-1/2"	141
L95-704	BGH96M080C4B	96.0%	80,000	76,000	4	1,600	1,050	7.8	2"	21"	33-3/4"	28-1/2"	156
L95-705	BGH96M100C5B	96.0%	100,000	95,000	5	2,000	1,450	11.5	3"	21"	33-3/4"	28-1/2"	162
L95-706	BGH96M100D5B	96.0%	100,000	95,000	5	2,000	1,450	10.5	3"	24-1/2"	33-3/4"	28-1/2"	169.6
L95-707	BGH96M120D5B	96.0%	120,000	106,500	5	2,000	1,450	10.5	3"	24-1/2"	33-3/4"	28-1/2"	174

BOSCH Invented for life



Heat Pumps

15 SEER, Single-Phase, 2 to 5 Ton, R410A

- Inverter driven rotary compressor
- High pressure switch and low pressure transducer
- Crankcase heater
- Intelligent oil return technology
- IPM and electronic control board high temperature protection
- Compressor high temperature protection
- Compressor sound blanket
- Wire fan discharge grille
- Steel louver coil guard
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	HSPF	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
B65-707	BOVA24HDN1M15G	2	24,000	24,000	9.0	22.9	35	3/8"	3/4"	28"	24-15/16"	28"	126
B65-705	BOVA36HDN1M15G	3	34,200	35,000	9.0	26.7	45	3/8"	3/4"	28"	24-15/16"	28"	134
B65-706	BOVA60HDN1M15G	5	50,000	56,000	9.0	39.2	60	3/8"	7/8"	29-1/8"	33-3/16"	29-1/8"	186

BOSCH Invented for life



Heat Pumps

18 SEER, Single-Phase, 3 & 5 Ton, R410A

- Inverter driven rotary compressor
- High pressure switch and low pressure transducer
- Crankcase heater
- Intelligent oil return technology
- IPM and electronic control board high temperature protection
- Compressor high temperature protection
- Compressor sound blanket
- Wire fan discharge grille
- Steel louver coil guard
- Can be connected with 2-stage indoor unit
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	HSPF	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
B64-392	BOVB-36HDN1-M18M	1-1/2–3	33,600	35,000	9.0	24.8	40	3/8"	3/4"	29-1/8"	24-5/16"	29-1/8"	159
B64-393	BOVB-60HDN1-M18M	3-1/2–5	55,000	56,000	9.0	38.8	60	3/8"	7/8"	29-1/8"	33-3/16"	29-1/8"	196

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Heat Pumps

BOSCH Invented for life

20 SEER, Single-Phase, 3 & 5 Ton, R410A

- Inverter driven rotary compressor
- High pressure switch and low pressure transducer
- Crankcase heater
- Intelligent oil return technology
- IPM and electronic control board high temperature protection
- Compressor high temperature protection
- Compressor sound blanket
- Wire fan discharge grille
- Steel louver coil guard
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines



Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	HSPF	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
B62-566	BOVA-36HDN1-M20G	1-1/2–3	34,600	34,200	10.5	26.3	45	3/8"	3/4"	29-1/8"	24-5/16"	29-1/8"	150
B62-567	BOVA-60HDN1-M20G	3-1/2–5	54,500	56,000	10.5	38.8	60	3/8"	7/8"	29-1/8"	33-3/16"	29-1/8"	220

Heat Pumps

NEW

BOSCH Invented for life

20 SEER2, Single-Phase, 3 & 5 Ton, R410A, Connected

- Wireless connectivity
- Inverter driven rotary compressor
- High pressure switch and low pressure transducer
- Crankcase heater
- Intelligent oil return technology
- IPM and electronic control board high temperature protection
- Compressor high temperature protection
- Compressor sound blanket
- Wire fan discharge grille
- Steel louver coil guard
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines



Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	HSPF	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
B68-880 ◀	BOVD-36HDN1-M20G	3	34,200	34,200	9.5	26.3	45	3/8"	3/4"	29-1/8"	24-15/16"	29 1/8	151
B66-243	BOVB-60HDN1-M20G	5	54,500	56,000	10.5	38.8	60	3/8"	7/8"	33-1/5"	33-1/5"	29 1/8	221

Evaporator Coils

BOSCH Invented for life

BMAC Series, Cased, Multi-Position, TXV Installed

- All-aluminum evaporator coil
- Multi-position drain pan



Order #	Mfg. #	Nom. Tons	Metering Device	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
B62-556	BMAC2430ANTD	2	TXV	3/4"	3/4"	14-1/2"	20"	21"	40
B62-557	BMAC2430BNTD	2	TXV	3/4"	3/4"	17-1/2"	20"	21"	43
B62-558	BMAC3036ANTD	3	TXV	3/4"	3/4"	14-1/2"	20"	21"	40
B62-559	BMAC3036BNTD	3	TXV	3/8"	3/4"	17-1/2"	20"	21"	43
B62-560	BMAC3036CNTD	3	TXV	3/8"	7/8"	21"	20"	21"	46
B62-561	BMAC4248BNTF	4	TXV	3/4"	3/4"	17-1/2"	30"	21"	69
B62-562	BMAC4248CNTF	4	TXV	3/8"	7/8"	21"	30"	21"	73
B62-563	BMAC4248DNTF	4	TXV	3/8"	7/8"	24-1/2"	30"	21"	77
B62-564	BMAC4860CNTF	5	TXV	3/8"	7/8"	21"	30"	21"	76
B62-565	BMAC4860DNTF	5	TXV	3/8"	7/8"	24-1/2"	30"	21"	80

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BOSCH
Invented for life

Ceiling Mounted Air Handlers

BCA Series, 16.1 SEER2, 1-1/2 to 3 Ton, R410A



- Constant torque multi-speed ECM blower motor
- All aluminum coil
- Compatible with most standard 24 VAC heat pump thermostats
- Factory-Installed TXV
- Thermoplastic drain pan with primary and secondary condensate drain fittings

Order #	Mfg. #	Nom. Tons	Nom. CFM	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
L61-987	BCA-18WN1-M16	1-1/2	650	2.6	15	3/8"	3/4"	37-1/4"	10-1/4"	26-3/8"	75
L61-988	BCA-24WN1-M16	2	820	2.6	15	3/8"	3/4"	37-1/4"	10-1/4"	26-3/8"	75
L61-989	BCA-30WN1-M16	2-1/2	950	2.6	15	3/8"	3/4"	49-1/4"	10-1/4"	26-3/8"	95
L61-990	BCA-36WN1-M16	3	1,100	2.6	15	3/8"	3/4"	49-1/4"	10-1/4"	26-3/8"	95

BOSCH
Invented for life

Single-Piece Air Handlers

BVA Series, 15 SEER, 2 To 5 Ton, R410A



- 3-speed PSC blower motor
- Factory-installed TXV metering
- Multi-position installation: upflow or horizontal right standard
- Field convertible to horizontal left or downflow
- Multiple electrical entry locations
- Dual front panel design
- Fully-insulated cabinet design
- Horizontal and vertical condensate drain pans
- Primary and secondary condensate drain fittings
- Integrated filter rack with tool-less door access
- Field installed heater kits 5, 8, 10, 15, 20KW
- Fully insulated cabinet
- 208/230V

Order #	Mfg. #	Nom. Tons	Nom. CFM	CFM @ 0.5" ESP	CFM High @ 0.3 ESP	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
L60-183	BVA-24WN1-M15	2	1,107	807	973	2.0	15	3/8"	3/4"	19-5/8"	46-1/2"	21-5/8"	126
L60-184	BVA-36WN1-M15	3	1,532	1,184	1,347	3.3	15	3/8"	3/4"	19-5/8"	46-1/2"	21-5/8"	128
L60-185	BVA-48WN1-M15	4	1,918	1,651	1,771	4.2	15	3/8"	7/8"	22"	54-1/2"	24"	159
L60-186	BVA-60WN1-M15	5	2,138	1,797	1,952	5.7	15	3/8"	7/8"	22"	54-1/2"	24"	165

BOSCH
Invented for life

Single-Piece Air Handlers

BVA Series, 20 SEER, 2 To 5 Ton, R410A



- Multi-speed ECM blower motor
- Factory-installed TXV metering
- Multi-position installation: upflow or horizontal right standard
- Field convertible to horizontal left or downflow
- Multiple electrical entry locations
- Dual front panel design
- Fully-insulated cabinet design
- Horizontal and vertical condensate drain pans
- Primary and secondary condensate drain fittings
- Integrated filter rack with tool-less door access
- Field installed heater kits 5, 8, 10, 15, 20KW - Please refer to the installation manual for heat kits compatibility
- 208/230V

Order #	Mfg. #	Nom. Tons	Nom. kW	Nom. CFM	CFM @ 0.5" ESP	CFM High @ 0.3 ESP	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
L95-708	BVA-24WN1-M20	2	15	800	800	800	7.5	15	3/8"	3/4"	19-5/8"	46-1/2"	21-5/8"	54
L95-709	BVA-36WN1-M20	3	15	1,120	1,120	1,120	5.1	15	3/8"	3/4"	19-5/8"	46-1/2"	21-5/8"	56
L95-710	BVA-48WN1-M20	4	15	1,560	1,560	1,560	7.5	15	3/8"	7/8"	22"	54-1/2"	24"	70
L95-711	BVA-60WN1-M20	5	15	1,700	1,700	1,700	7.5	15	3/8"	7/8"	22"	54-1/2"	24"	73

BOSCH
Invented for life

Single Packaged Heat Pumps

15.2 SEER2, 3 & 5 Ton, Single-Phase, R410A



- Inverter driven rotary compressor
- Provides up to 4-stage indoor fan control
- Intelligent oil return technology
- High pressure switch and low pressure transducer
- IPM and electronic control board high temperature protection
- Compressor high temperature protection
- Compressor sound blanket
- Steel louver coil guard
- Wire fan discharge grille
- 208/230V

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	COP	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
B66-854	BRCA-36HWD1N1-M15	3	34,200	34,600	3.4	1,250	25.1	37-3/4"	24-13/16"	52"	316
B66-855	BRCA-60HWD1N1-M15	5	57,000	57,000	3.4	1,750	41.8	42-1/16"	33-1/16"	58-1/2"	427

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Single Packaged Heat Pumps

18 SEER2, 3 & 5 Ton, Single-Phase, R410A

BOSCH Invented for life

- Inverter driven rotary compressor
- 3T unit provides up to 4-stage indoor fan control
- 5T unit provides up to 2-stage indoor fan control
- 2-way design allows for horizontal and downflow installations, air return/supply are convertible
- Intelligent oil return technology
- High pressure switch and low pressure transducer
- IPM and electronic control board high temperature protection
- Compressor high temperature protection
- Compressor sound blanket
- Steel louver coil guard
- Wire fan discharge grille
- 208/230V



Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	COP	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
B66-858	BRBA-36HWD1N1-M18	3	34,200	36,000	3.7	1,250	28.7	35-1/16"	46-13/16"	50-11/16"	400
B66-859	BRBA-60HWD1N1-M18	5	57,000	57,000	3.8	1,900	41.9	51-7/16"	44-13/16"	51-9/16"	556

Single Packaged Heat Pumps

19 SEER, Single-Phase, 3 & 5 Ton, R410A

BOSCH Invented for life

- Inverter driven rotary compressor
- Horizontal and downflow installations
- High pressure switch and low pressure transducer
- Intelligent oil return technology
- IPM and electronic control board high temperature protection
- Provides up to 4-stage indoor fan control
- Compressor sound blanket
- Steel louver coil guard
- Wire fan discharge grille
- 208/230V



Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	HSPF	COP	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
B62-937	BRB-36HWD1N1-M18	3	34,800	36,000	9.0	3.7	1,250	28.7	35-1/16"	46-13/16"	50-11/16"	412
B62-620	BRB-60HWD1N1-M19	5	57,000	57,000	10.0	3.8	1,800	41.9	44-13/16"	51-7/16"	51-9/16"	561

Electric Heat Kits

Single-Phase

BOSCH Invented for life

- For use with IDP series of packaged heat pump & BVA series of air handlers

Order #	Mfg. #	Nom. kW	For Use With	Wt. Lbs.
L82-282	EHK-05B	5	BVA Series of air handlers	2.9
L82-283	EHK-08B	8	BVA Series of air handlers	3.5
L82-284	EHK-10B	10	BVA Series of air handlers	3.5
L82-285	EHK-15B	15	BVA Series of air handlers	6.8
L82-286	EHK-20B	20	BVA Series of air handlers	7.5

Order #	Mfg. #	Nom. kW	For Use With	Wt. Lbs.
L82-287	EHK-05J	5	IDP Series of packaged heat pumps	12.0
L82-288	EHK-08J	8	IDP Series of packaged heat pumps	12.2
L82-289	EHK-10J	10	IDP Series of packaged heat pumps	13.5
L82-290	EHK-15J	15	IDP Series of packaged heat pumps	17.2
L82-291	EHK-20J	20	IDP Series of packaged heat pumps	18.6

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Ask About Our Replenishment Programs Today!



Thermostats

- Supports 2 transformer systems (R/RC & RH)
- C-Wire required for installation
- Wi-Fi 802.11 b/g/n @ 2.4GHz
- Compatible with conventional (gas, oil, electric): up to 2 Heat/2 Cool
- Supports 1 accessory: humidifier or dehumidifier
- Unit Modes: Heat, Cool, Auto, Em Heat (Heat Pump only), Off
- Fan modes: auto, on, circulate
- **L50-706** has 7 relay terminals: G, Y, Y2, W/E, W2/AUX, O/B, H/DH
- **L50-707** has 6 relay terminals: G, Y, Y2, W/E/AUX, O/B/W2, H/DH



A

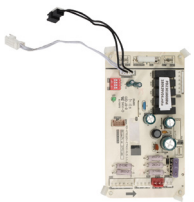


B

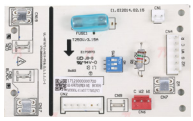
Fig.	Order #	Mfg. #	Description
A	**L50-706**	BCC100	Thermostat
B	**L50-707**	BCC50	Thermostat

Control Boards

- For use with IDP series of packaged heat pump & BVA series of air handlers



A



B

Fig.	Order #	Mfg. #	Description
A	**B22-099**	8-733-953-202	Indoor Control Board
B	**L50-823**	8-733-941-885	Main Control Board

Fig.	Order #	Mfg. #	Description
—	**L50-827**	8-733-954-676	Control Board
—	**L50-822**	8-733-941-847	Motor Install Board

Sensor



- For use with Bosch equipment

Order #	Mfg. #	Description
L50-826	8-733-953-244	Sensor

Transformer



- For use with Bosch equipment

Order #	Mfg. #	Description
L50-824	8-733-951-083	Transformer

Condenser Coil

- For use with Bosch equipment

Order #	Mfg. #	Description
B63-114	8733941851	Condenser

Evaporator Coil Assemblies

- For use with Bosch equipment

Order #	Mfg. #	Description
B63-098	8-733-953-220	Evaporator Assembly
B63-099	8-733-953-221	Evaporator Assembly
B63-100	8-733-953-222	Evaporator Assembly
B63-314	8-733-953-351	Evaporator Assembly

Order #	Mfg. #	Description
B64-248	8-733-955-035	Evaporator Assembly
B64-249	8-733-955-033	Evaporator Assembly
B64-250	8-733-955-034	Evaporator Assembly

Condenser Pipe Assembly



- For use with Bosch equipment

Order #	Mfg. #	Description
B22-091	8-733-941-814	Condenser Pipe Assembly

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Thermal Expansion Valves

- For use with Bosch equipment



Order #	Mfg. #	Description
B22-095	8-733-941-929	Thermal Expansion Valve
B22-096	8-733-953-236	Thermal Expansion Valve

Order #	Mfg. #	Description
B22-098	8-733-953-237	Thermal Expansion Valve
B22-100	8-733-953-235	Thermal Expansion Valve

Reversing Valves

- For use with Bosch equipment



Order #	Mfg. #	Description
B22-093	8-733-953-332	Reversing Valve
B22-097	8-733-953-159	Reversing Valve

Compressors

- For use with Bosch equipment



A



B

Fig.	Order #	Mfg. #	Description
A	**B87-376**	8-733-941-865	Compressor Bosch
B	**B87-380**	8-733-953-165	DC Inverter Compressor

Fig.	Order #	Mfg. #	Description
B	**B87-381**	8-733-953-192	DC Inverter Compressor

Motors

- For use with Bosch equipment



Order #	Mfg. #	Description
S59-756	8-733-941-930	Blower Motor
S59-757	8-733-941-927	Blower Motor
S59-758	8-733-953-241	ECM Motor
S59-759	8-733-953-242	ECM Motor
S59-760	8-733-953-243	ECM Motor

Order #	Mfg. #	Description
S59-753	8-733-953-322	Indoor Blower Motor
S59-762	8-733-954-668	Indoor Blower Motor
S83-118	8-733-953-149	Outdoor ECM Motor
S83-119	8-733-953-312	Outdoor ECM Motor

BOSCH Invented for life

Mounting Brackets

- For use with Bosch equipment



A



B

Fig.	Order #	Mfg. #	Description
A	**B22-094**	8-733-941-886	Mounting Bracket
B	**S59-754**	8-733-941-906	Mounting Bracket, Motor

BOSCH Invented for life

Blower Wheel

- For use with Bosch equipment



Order #	Mfg. #	Description
W91-249	8-733-941-926	Blower Assembly Wheel

BOSCH Invented for life

Drain Pans

- For use with Bosch equipment



Order #	Mfg. #	Description
B87-377	8-733-941-899	Drain Pan, Horizontal
B87-378	8-733-941-922	Drain Pan, Horizontal
B63-094	8-733-941-923	Drain Pan, Vertical

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Evaporator Coils

Uncased Upflow/Downflow

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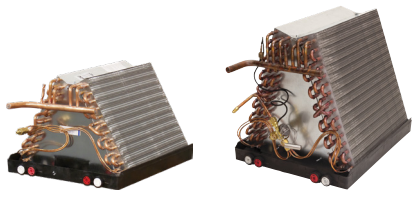

A B

Fig.	Order #	Mfg. #	Nom. Tons	Metering Device	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
Flowrater										
A	**B75-212**	CA24A2G-130L-000	2	Flowrater	3/8"	3/4"	13"	13-1/2"	19-3/8"	17
A	**B71-627**	CA24A3G-130L-003	2	Flowrater	3/8"	3/4"	13"	13-1/2"	19-3/8"	27
A	**B71-628**	CA24A3G-160L-003	2	Flowrater	3/8"	3/4"	16"	13-1/2"	19-3/8"	27
A	**B75-213**	CA30A2G-130L-000	2-1/2	Flowrater	3/8"	3/4"	13"	15-1/2"	19-3/8"	20
A	**B71-629**	CA30A3G-130L-003	2-1/2	Flowrater	3/8"	3/4"	13"	15-1/2"	19-3/8"	31
A	**B71-630**	CA30A3G-160L-003	2-1/2	Flowrater	3/8"	3/4"	16"	15-1/2"	19-3/8"	31
A	**B71-631**	CA30A3G-195L-003	2-1/2	Flowrater	3/8"	3/4"	19-1/2"	15-1/2"	19-3/8"	31
A	**B71-632**	CA36A3G-130L-003	3	Flowrater	3/8"	3/4"	13"	17-1/2"	19-3/8"	36
A	**B71-633**	CA36A3G-160L-003	3	Flowrater	3/8"	3/4"	16"	17-1/2"	19-3/8"	36
A	**B71-635**	CA36B3G-160L-003	3	Flowrater	3/8"	3/4"	16"	19-1/2"	19-3/8"	40
A	**B71-634**	CA36A3G-195L-003	3	Flowrater	3/8"	3/4"	19-1/2"	17-1/2"	19-3/8"	36
A	**B71-636**	CA42A3G-160L-003	3-1/2	Flowrater	3/8"	7/8"	16"	19-1/2"	19-3/8"	40
A	**B71-637**	CA42A3G-195L-003	3-1/2	Flowrater	3/8"	7/8"	19-1/2"	19-1/2"	19-3/8"	40
A	**B71-638**	CA42A3G-230L-003	3-1/2	Flowrater	3/8"	7/8"	23"	19-1/2"	19-3/8"	40
A	**B71-639**	CA48A3G-195L-003	4	Flowrater	3/8"	7/8"	19-1/2"	21-1/2"	19-3/8"	45
A	**B71-640**	CA48B3G-160L-003	4	Flowrater	3/8"	7/8"	16"	23-1/2"	19-3/8"	49
A	**B71-641**	CA48B3G-195L-003	4	Flowrater	3/8"	7/8"	19-1/2"	23-1/2"	19-3/8"	49
A	**B71-642**	CA48B3G-230L-003	4	Flowrater	3/8"	7/8"	23"	23-1/2"	19-3/8"	49
A	**B71-643**	CA60A3G-195L-003	5	Flowrater	3/8"	7/8"	19-1/2"	25-1/2"	19-3/8"	54
A	**B71-644**	CA60A3G-230L-003	5	Flowrater	3/8"	7/8"	23"	25-1/2"	19-3/8"	54
TXV										
B	**B91-953**	CA24A34-130L-000	2	TXV	3/8"	3/4"	13"	13-1/2"	19-3/8"	27
B	**B91-954**	CA30A34-130L-000	2-1/2	TXV	3/8"	3/4"	13"	15-1/2"	19-3/8"	31
B	**B70-132**	CA30B44-130L-000	2-1/2	TXV	3/8"	3/4"	13"	17-1/2"	19-3/8"	47
B	**B91-956**	CA30D44-130L-000	2-1/2	TXV	3/8"	3/4"	13"	19-1/2"	19-3/8"	58
B	**B91-955**	CA30A34-160L-000	2-1/2	TXV	3/8"	3/4"	16"	15-1/2"	19-3/8"	31
B	**B70-133**	CA30B44-160L-000	2-1/2	TXV	3/8"	3/4"	16"	17-1/2"	19-3/8"	47
B	**B99-833**	CA30D44-160L-000	2-1/2	TXV	3/8"	3/4"	16"	21-1/2"	19-3/8"	58
B	**B99-834**	CA30D44-195L-000	2-1/2	TXV	3/8"	3/4"	19-1/2"	21-1/2"	19-3/8"	58
B	**B91-957**	CA36A34-130L-000	3	TXV	3/8"	3/4"	13"	17-1/2"	19-3/8"	36
B	**B91-958**	CA36A34-160L-000	3	TXV	3/8"	3/4"	16"	17-1/2"	19-3/8"	36
B	**B70-226**	CA36D44-160L-000	3	TXV	3/8"	3/4"	16"	23-1/2"	19-3/8"	64
B	**B91-959**	CA36A34-195L-000	3	TXV	3/8"	3/4"	19-1/2"	17-1/2"	19-3/8"	36
B	**B70-227**	CA36D44-195L-000	3	TXV	3/8"	3/4"	19-1/2"	23-1/2"	19-3/8"	64
B	**B91-960**	CA42A34-160L-000	3-1/2	TXV	3/8"	7/8"	16"	19-1/2"	19-3/8"	40
B	**B91-961**	CA42A34-195L-000	3-1/2	TXV	3/8"	7/8"	19-1/2"	19-1/2"	19-3/8"	40
B	**B91-963**	CA48A34-160L-000	4	TXV	3/8"	7/8"	16"	21-1/2"	19-3/8"	45
B	**B70-136**	CA48B44-160L-000	4	TXV	3/8"	7/8"	16"	23-1/2"	19-3/8"	64
B	**B91-966**	CA48D44-160L-000	4	TXV	3/8"	7/8"	16"	27-1/2"	19-3/8"	76
B	**B91-964**	CA48A34-195L-000	4	TXV	3/8"	7/8"	19-1/2"	21-1/2"	19-3/8"	45
B	**B70-228**	CA48B44-195L-000	4	TXV	3/8"	7/8"	19-1/2"	23-1/2"	19-3/8"	64
B	**B99-835**	CA48F34-195L-000	4	TXV	3/8"	7/8"	19-1/2"	25-1/2"	19-3/8"	56
B	**B91-967**	CA48D44-195L-000	4	TXV	3/8"	7/8"	19-1/2"	27-1/2"	19-3/8"	76
B	**B91-965**	CA48A34-230L-000	4	TXV	3/8"	7/8"	23"	21-1/2"	19-3/8"	45
B	**B99-836**	CA48F34-230L-000	4	TXV	3/8"	7/8"	23"	25-1/2"	19-3/8"	56
B	**B91-968**	CA48D44-230L-000	4	TXV	3/8"	7/8"	23"	27-1/2"	19-3/8"	76
B	**B91-969**	CA60A34-195L-000	5	TXV	3/8"	7/8"	19-1/2"	25-1/2"	19-3/8"	54
B	**B91-971**	CA60D44-195L-000	5	TXV	3/8"	7/8"	19-1/2"	26-1/2"	19-3/8"	86
B	**B91-970**	CA60A34-230L-000	5	TXV	3/8"	7/8"	23"	25-1/2"	19-3/8"	54
B	**B99-837**	CA60F44-230L-000	5	TXV	3/8"	7/8"	23"	25-1/2"	19-3/8"	80
B	**B91-972**	CA60D44-230L-000	5	TXV	3/8"	7/8"	23"	26-1/2"	21-3/4"	86
B	**B99-838**	CA60G44-230L-000	5	TXV	3/8"	7/8"	23"	26-1/2"	21"	97

ASPEN MANUFACTURING



Evaporator Coils

Cased Multi-Position

- Rifled copper tubing, enhanced aluminum fins
- Immersion-tested at 500 PSI, then nitrogen-pressurized and sealed
- Left hand refrigerant and plumbing connections
- Glass loaded nylon drain pans with four 3/4" FPT condensate drains
- Pan is positively sloped toward drains
- Refrigerant leakage test is required before coil is installed
- Go to www.JohnstoneSupply.com/system-selector for complete system match-ups

Order #	Mfg. #	Nom. Tons	Metering Device	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
Coleman/Evcon Matches - Champagne Paint									
B91-979	CE24A34-145L-025	2	TXV	3/8"	3/4"	14-1/2"	19"	21-1/2"	39
B91-981	CE30A34-145L-025	2-1/2	TXV	3/8"	3/4"	14-1/2"	19"	21-1/2"	45
B91-983	CE30A34-175L-025	2-1/2	TXV	3/8"	3/4"	17-1/2"	19"	21-1/2"	45
B91-985	CE30D44-175L-025	2-1/2	TXV	3/8"	3/4"	17-1/2"	27"	21-1/2"	77
B91-991	CE36D44-145L-025	3	TXV	3/8"	3/4"	14-1/2"	27"	21-1/2"	84
B91-989	CE36A34-175L-025	3	TXV	3/8"	3/4"	17-1/2"	23"	21-1/2"	52
B91-993	CE36D44-175L-025	3	TXV	3/8"	3/4"	17-1/2"	27"	21-1/2"	84
B64-864	CE36D44-210L-025	3	TXV	3/8"	3/4"	17-1/2"	27"	21-1/2"	84
B91-996	CE42A34-175L-025	3-1/2	TXV	3/8"	7/8"	17-1/2"	23"	21-1/2"	58
B91-998	CE42A34-210L-025	3-1/2	TXV	3/8"	7/8"	21"	23"	21-1/2"	58
B70-003	CE48A34-175L-025	4	TXV	3/8"	7/8"	17-1/2"	27"	21-1/2"	65
B70-008	CE48D44-175L-025	4	TXV	3/8"	7/8"	17-1/2"	30"	21-1/2"	100
B70-005	CE48A34-210L-025	4	TXV	3/8"	7/8"	21"	27"	21-1/2"	65
B70-010	CE48D44-210L-025	4	TXV	3/8"	7/8"	21"	30"	21-1/2"	100
B70-015	CE60A34-210L-025	5	TXV	3/8"	7/8"	21"	30"	21-1/2"	78
B70-019	CE60D44-210L-025	5	TXV	3/8"	7/8"	21"	30"	23"	112
B70-017	CE60A34-245L-025	5	TXV	3/8"	7/8"	24-1/2"	30"	21-1/2"	78
B70-020	CE60D44-245L-025	5	TXV	3/8"	7/8"	24-1/2"	30"	23"	112
Goodman Matches- Gray Paint									
B91-978	CE24A34-140L-004	2	TXV	3/8"	3/4"	14"	19"	21-1/2"	39
B60-835	CE24C44-140R-004	2	TXV	3/8"	3/4"	14"	23"	21-1/2"	61
B70-210	CE30B44-140L-004	2-1/2	TXV	3/8"	3/4"	14"	23"	21-1/2"	61
B91-982	CE30A34-175L-004	2-1/2	TXV	3/8"	3/4"	17-1/2"	19"	21-1/2"	45
B99-845	CE30D44-175L-004	2-1/2	TXV	3/8"	3/4"	17-1/2"	27"	21-1/2"	77
B60-836	CE36D44-140R-004	3	TXV	3/8"	3/4"	14"	27"	21-1/2"	84
B91-986	CE36A34-140L-004	3	TXV	3/8"	3/4"	14"	23"	21-1/2"	52
B91-988	CE36A34-175L-004	3	TXV	3/8"	3/4"	17-1/2"	23"	21-1/2"	52
B91-992	CE36D44-175L-004	3	TXV	3/8"	3/4"	17-1/2"	27"	21-1/2"	84
B91-990	CE36A34-210L-004	3	TXV	3/8"	3/4"	21"	23"	21-1/2"	52
B91-994	CE36D44-210L-004	3	TXV	3/8"	3/4"	21"	27"	21-1/2"	84
B91-995	CE42A34-175L-004	3-1/2	TXV	3/8"	7/8"	17-1/2"	23"	21-1/2"	58
B91-999	CE42D44-175L-004	3-1/2	TXV	3/8"	7/8"	17-1/2"	30"	21-1/2"	92
B91-997	CE42A34-210L-004	3-1/2	TXV	3/8"	7/8"	21"	23"	21-1/2"	58
B70-001	CE42D44-210L-004	3-1/2	TXV	3/8"	7/8"	21"	30"	21-1/2"	92
B70-002	CE48A34-175L-004	4	TXV	3/8"	7/8"	17-1/2"	27"	21-1/2"	65
B70-213	CE48B44-175L-004	4	TXV	3/8"	7/8"	17-1/2"	27"	21-1/2"	84
B70-007	CE48D44-175L-004	4	TXV	3/8"	7/8"	17-1/2"	30"	21-1/2"	100
B60-837	CE48D44-175R-004	4	TXV	3/8"	7/8"	17-1/2"	30"	21-1/2"	100
B70-012	CE48F34-175L-004	4	TXV	3/8"	7/8"	17-1/2"	30"	21-1/2"	80
B70-214	CE48B44-210L-004	4	TXV	3/8"	7/8"	21"	27"	21-1/2"	84
B70-009	CE48D44-210L-004	4	TXV	3/8"	7/8"	21"	30"	21-1/2"	100
B99-847	CE48F34-210L-004	4	TXV	3/8"	7/8"	21"	30"	21-1/2"	80
B70-011	CE48D44-245L-004	4	TXV	3/8"	7/8"	24-1/2"	30"	21-1/2"	100
B70-014	CE60A34-210L-004	5	TXV	3/8"	7/8"	21"	30"	21-1/2"	78
B60-838	CE60D44-210R-004	5	TXV	3/8"	7/8"	21"	30"	23"	112
B70-018	CE60D44-210L-004	5	TXV	3/8"	7/8"	21"	30"	23"	112
B70-021	CE60F34-210L-004	5	TXV	3/8"	7/8"	21"	30"	21-1/2"	80
B70-022	CE60F34-240L-004	5	TXV	3/8"	7/8"	24"	30"	21-1/2"	80
B70-234	CE60D44-245L-004	5	TXV	3/8"	7/8"	24-1/2"	30"	23"	112
B70-235	CE60F34-245L-004	5	TXV	3/8"	7/8"	24-1/2"	30"	21-1/2"	80

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B99-877	CC24A34-175L-055	2	TXV	3/8"	3/4"	17-1/2"	16"	21-1/2"	37
B61-974	CC24A3G-145L-055	2	Flowrater	3/8"	3/4"	14-1/2"	16"	21-1/2"	37
B61-975	CC24A3G-175L-055	2	Flowrater	3/8"	3/4"	17-1/2"	16"	21-1/2"	37
B99-878	CC24A34-195L-055	2	TXV	3/8"	3/4"	19-1/2"	16"	21-1/2"	37
B61-977	CC30A34-145L-055	2-1/2	TXV	3/8"	3/4"	14-1/2"	16"	21-1/2"	44
B61-979	CC30A34-175L-055	2-1/2	TXV	3/8"	3/4"	17-1/2"	16"	21-1/2"	44
B61-976	CC30A3G-145L-055	2-1/2	Flowrater	3/8"	3/4"	14-1/2"	16"	21-1/2"	44
B64-895	CC30D34-145L-055	2-1/2	TXV	3/8"	3/4"	14-1/2"	24"	21-1/2"	62
B61-978	CC30A3G-175L-055	2-1/2	Flowrater	3/8"	3/4"	17-1/2"	16"	21-1/2"	44
B99-879	CC30C3G-175L-055	2-1/2	Flowrater	3/8"	3/4"	17-1/2"	20"	21-1/2"	56
B99-882	CC30D3G-175L-055	2-1/2	Flowrater	3/8"	3/4"	17-1/2"	24"	21-1/2"	62
B99-880	CC30C3G-210L-055	2-1/2	Flowrater	3/8"	3/4"	21"	20"	21-1/2"	56
B99-885	CC36C44-145L-055	3	TXV	3/8"	3/4"	14-1/2"	24"	21-1/2"	74
B99-886	CC36C44-175L-055	3	TXV	3/8"	3/4"	17-1/2"	24"	21-1/2"	74
B99-884	CC36B34-210L-055	3	TXV	3/8"	3/4"	21"	20"	21-1/2"	56
B64-896	CC36C44-210L-055	3	TXV	3/8"	3/4"	21"	24"	21-1/2"	74
B99-889	CC42A34-145L-055	3-1/2	TXV	3/8"	7/8"	14-1/2"	20"	21-1/2"	56
B99-890	CC42A34-175L-055	3-1/2	TXV	3/8"	7/8"	17-1/2"	20"	21-1/2"	56
B99-891	CC42A34-210L-055	3-1/2	TXV	3/8"	7/8"	21"	20"	21-1/2"	56
B99-892	CC42C44-210L-055	3-1/2	TXV	3/8"	7/8"	21"	24"	21-1/2"	82
B99-893	CC42C44-245L-055	3-1/2	TXV	3/8"	7/8"	24-1/2"	24"	21-1/2"	82
B99-894	CC48C44-210L-055	4	TXV	3/8"	7/8"	21"	28"	21-1/2"	89
B99-895	CC48C44-245L-055	4	TXV	3/8"	7/8"	24-1/2"	28"	21-1/2"	82
B99-896	CC60D44-210L-055	5	TXV	3/8"	7/8"	21"	28"	23"	108
B99-897	CC60D44-245L-055	5	TXV	3/8"	7/8"	24-1/2"	28"	23"	108
B73-422	CC60G44-245L-055	5	TXV	3/8"	7/8"	24-1/2"	28"	21-1/2"	122
Goodman Matches - Gray Paint									
B70-140	CC30A34-140L-056	2-1/2	TXV	3/8"	3/4"	14"	16"	21-1/2"	44
B70-142	CC30A34-175L-056	2-1/2	TXV	3/8"	3/4"	17-1/2"	16"	21-1/2"	44
B70-145	CC30B44-175L-056	2-1/2	TXV	3/8"	3/4"	17-1/2"	20"	21-1/2"	59
B99-839	CC30D44-175L-056	2-1/2	TXV	3/8"	3/4"	17-1/2"	24"	21-1/2"	74
B99-840	CC30D44-210L-056	2-1/2	TXV	3/8"	3/4"	21"	24"	21-1/2"	74
B70-148	CC36A34-175L-056	3	TXV	3/8"	3/4"	17-1/2"	20"	21-1/2"	50
B61-980	CC36C44-175L-057	3	TXV	3/8"	3/4"	17-1/2"	24"	21-1/2"	62
B70-150	CC36D44-175L-056	3	TXV	3/8"	3/4"	17-1/2"	24"	21-1/2"	82
B70-151	CC48A34-175L-056	4	TXV	3/8"	7/8"	17-1/2"	24"	21-1/2"	62
B70-204	CC48B44-175L-056	4	TXV	3/8"	7/8"	17-1/2"	24"	21-1/2"	82
B70-203	CC48A34-210L-056	4	TXV	3/8"	7/8"	21"	24"	21-1/2"	62
B70-205	CC48B44-210L-056	4	TXV	3/8"	7/8"	21"	24"	21-1/2"	82
B70-206	CC48D44-210L-056	4	TXV	3/8"	7/8"	21"	28"	21-1/2"	96
B70-207	CC48D44-245L-056	4	TXV	3/8"	7/8"	24-1/2"	28"	21-1/2"	96
B99-842	CC48F34-245L-056	4	TXV	3/8"	7/8"	24-1/2"	28"	21-1/2"	77
B70-208	CC60A34-210L-056	5	TXV	3/8"	7/8"	21"	28"	21-1/2"	75
B70-232	CC60D44-210L-056	5	TXV	3/8"	7/8"	21"	28"	23"	108
B70-209	CC60D44-245L-056	5	TXV	3/8"	7/8"	24-1/2"	28"	23"	108
B91-975	CC60F34-245L-056	5	TXV	3/8"	7/8"	24-1/2"	28"	21-1/2"	77
B99-843	CC60F44-245L-056	5	TXV	3/8"	7/8"	24-1/2"	28"	21-1/2"	91

Evaporator Coils

Cased Multi-Position, Aluminum



- Rifled aluminum tubing, enhanced aluminum fins
- Air pressure tested at 500 PSI
- Leak tested with helium, then nitrogen-pressurized and sealed
- Left or right hand refrigerant and plumbing connections
- Externally mounted flowrator body with Schrader valve for hiss-testing
- Upflow, horizontal right, and horizontal left without field modification
- Downflow application require field kit (included)
- Heavy duty plastic or metal drain pans
- Fully insulated foil-faced insulation
- Go to www.JohnstoneSupply.com/system-selector for complete system match-ups

Order #	Mfg. #	Nom. Tons	Metering Device	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
Goodman Matches- Gray Paint									
B62-917	DE36A34-145L-401	3	TXV	3/8"	3/4"	14"	23"	21-1/2"	46
B62-918	DE36A34-175L-401	3	TXV	3/8"	3/4"	17-1/2"	23"	21-1/2"	46
B62-919	DE48A34-175L-401	4	TXV	3/8"	7/8"	17-1/2"	27"	21-1/2"	54
B62-920	DE48A34-210L-401	4	TXV	3/8"	7/8"	21"	27"	21-1/2"	54
B62-921	DE60B44-210L-401	5	TXV	3/8"	7/8"	21"	30"	21-1/2"	71
B62-922	DE60B44-245L-401	5	TXV	3/8"	7/8"	24-1/2"	30"	21-1/2"	71

Thermostatic Expansion Valves



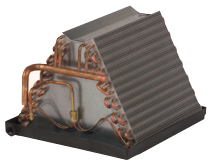
- Used with Aspen CA, CC and CE Evaporator Coils
- Go to www.JohnstoneSupply.com for R22 TXV's

Order #	Mfg. #	For Use With
B15-151	4195	3.5 to 5 Ton R22 Units
B15-152	4200	1.5 to 3.5 Ton R410A Units

Order #	Mfg. #	For Use With
B15-153	4202	4 to 5 Ton R410A Units

Manufactured Housing Coils

CM Series, Uncased Downflow



- Rifled copper tubing, enhanced aluminum fins
- Immersion-tested at 500 PSI, then nitrogen-pressurized and sealed
- Left hand refrigerant and plumbing connections
- Field installed TXV option
- Drain connection: 177L pans have single LH 3/4" MPT, 195L pan have quad drains, 3/4" MPT
- Condensate drain elbow and flexible drain tubing included
- Downflow plate kit included
- Refrigerant leakage test is required before coil is installed
- Go to www.JohnstoneSupply.com/system-selector for complete system match-ups

Order #	Mfg. #	Nom. Tons	Metering Device	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
B99-587	CM24A3F-177L-000	2	R22 Flowrater	3/8"	3/4"	17-3/4"	13-1/2"	19-5/8"	27
B99-588	CM30A2F-177L-000	2-1/2	R22 Flowrater	3/8"	3/4"	17-3/4"	15-1/2"	19-5/8"	20
B99-589	CM30A2X-177L-000	2-1/2	R22 TXV	3/8"	3/4"	17-3/4"	15-1/2"	19-5/8"	20
B99-590	CM30A3F-177L-006	2-1/2	R22 Flowrater	3/8"	3/4"	17-3/4"	15-1/2"	19-5/8"	31
B75-230	CM30A2G-177L-000	2-1/2	R410A Flowrater	3/8"	3/4"	17-3/4"	15-1/2"	19-5/8"	20
B78-867	CM30C34-177L-000	2-1/2	R410A TXV	3/8"	3/4"	17-3/4"	19-1/2"	19-5/8"	40
B99-591	CM36A2F-177L-000	3	R22 Flowrater	3/8"	3/4"	17-3/4"	17-1/2"	19-5/8"	23
B75-231	CM36A2G-177L-000	3	R410A Flowrater	3/8"	3/4"	17-3/4"	17-1/2"	19-5/8"	23
B99-592	CM36A2X-177L-000	3	R22 TXV	3/8"	3/4"	17-3/4"	17-1/2"	19-5/8"	23
B99-593	CM36A3F-177L-000	3	R22 Flowrater	3/8"	3/4"	17-3/4"	17-1/2"	19-5/8"	36
B99-594	CM36A3F-177L-006	3	R22 Flowrater	3/8"	3/4"	17-3/4"	17-1/2"	19-5/8"	36
B60-834	CM36A3G-177L-000	3	R410A Flowrater	3/8"	3/4"	17-3/4"	17-1/2"	19-5/8"	36
B99-595	CM42A3F-177L-000	3-1/2	R22 Flowrater	3/8"	7/8"	17-3/4"	19-1/2"	19-5/8"	40
B75-232	CM42A3G-177L-000	3-1/2	R410A Flowrater	3/8"	7/8"	17-3/4"	19-1/2"	19-5/8"	40
B78-870	CM48A34-177L-000	4	R410A TXV	3/8"	7/8"	17-3/4"	21-1/2"	19-5/8"	45
B78-868	CM48A44-195L-000	4	R410A TXV	3/8"	7/8"	19-1/2"	21-1/2"	19-3/8"	58
B78-869	CM48B44-195L-000	4	R410A TXV	3/8"	7/8"	19-1/2"	23-1/2"	19-3/8"	64
B99-596	CM48B4F-195L-000	4	R22 Flowrater	3/8"	7/8"	19-1/2"	23-1/2"	19-7/8"	64
B99-597	CM48B4F-195L-006	4	R22 Flowrater	3/8"	7/8"	19-1/2"	23-1/2"	19-7/8"	64
B99-598	CM48E3F-177L-006	4	R22 Flowrater	3/8"	7/8"	17-3/4"	19-1/2"	19-5/8"	40
B75-233	CM48E3G-177L-000	4	R410A Flowrater	3/8"	7/8"	17-3/4"	19-1/2"	19-5/8"	40
B99-599	CM60A3F-195L-006	5	R22 Flowrater	3/8"	7/8"	19-1/2"	25-1/2"	19-1/2"	54
B99-600	CM60A4F-195L-006	5	R22 Flowrater	3/8"	7/8"	19-1/2"	27-1/2"	19-1/2"	70

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80% AFUE Upflow/Horizontal Gas Furnaces

GM9S80 Series, Single-Stage, Multi-Speed, ECM

- Aluminized-steel, dual-diameter tubular heat exchanger
- Single-stage gas valve
- Hot surface ignitor
- Single-speed draft inducer
- Self-diagnostic control board
- Multi-speed ECM blower motor
- Left or right connection for gas & electrical service
- Foil faced insulated heat exchanger



Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. Tons	Nom. CFM	CFM @ 0.5" ESP	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
Standard													
L60-443	GM9S800403AN	80.0%	40,000	32,000	3	1,200	1,314	8.7	4"	14"	33-3/8"	28"	86
L60-445	GM9S800603AN	80.0%	60,000	48,000	3	1,200	1,354	8.7	4"	14"	33-3/8"	28"	90
L60-447	GM9S800603BN	80.0%	60,000	48,000	3	1,200	1,387	8.7	4"	17-1/2"	33-3/8"	28"	100
L60-449	GM9S800604BN	80.0%	60,000	48,000	4	1,600	1,631	12.45	4"	17-1/2"	33-3/8"	28"	108
L60-451	GM9S800803BN	80.0%	80,000	64,000	3	1,200	1,383	8.7	4"	17-1/2"	33-3/8"	28"	116
L60-453	GM9S800804BN	80.0%	80,000	64,000	4	1,600	1,708	12.45	4"	17-1/2"	33-3/8"	28"	120
L60-455	GM9S800804CN	80.0%	80,000	64,000	4	1,600	1,695	12.45	4"	21"	33-3/8"	28"	132
L60-457	GM9S800805CN	80.0%	80,000	64,000	5	2,000	1,973	12.45	4"	21"	33-3/8"	28"	132
L60-459	GM9S801005CN	80.0%	100,000	80,000	5	2,000	1,981	12.45	4"	21"	33-3/8"	28"	132
L60-461	GM9S801205DN	80.0%	120,000	96,000	5	2,000	1,963	15.3	4"	24-1/2"	33-3/8"	28"	132
LoNOx													
L60-444	GM9S800403AX	80.0%	40,000	32,000	3	1,200	1,314	8.7	4"	14"	33-3/8"	28"	86
L60-446	GM9S800603AX	80.0%	60,000	48,000	3	1,200	1,354	8.7	4"	14"	33-3/8"	28"	90
L60-448	GM9S800603BX	80.0%	60,000	48,000	3	1,200	1,387	8.7	4"	17-1/2"	33-3/8"	28"	100
L60-450	GM9S800604BX	80.0%	60,000	48,000	4	1,600	1,631	12.45	4"	17-1/2"	33-3/8"	28"	108
L60-452	GM9S800803BX	80.0%	80,000	64,000	3	1,200	1,383	8.7	4"	17-1/2"	33-3/8"	28"	116
L60-454	GM9S800804BX	80.0%	80,000	64,000	4	1,600	1,708	12.45	4"	17-1/2"	33-3/8"	28"	120
L60-456	GM9S800804CX	80.0%	80,000	64,000	4	1,600	1,695	12.45	4"	21"	33-3/8"	28"	132
L60-458	GM9S800805CX	80.0%	80,000	64,000	5	2,000	1,973	12.45	4"	21"	33-3/8"	28"	132
L60-460	GM9S801005CX	80.0%	100,000	80,000	5	2,000	1,981	12.45	4"	21"	33-3/8"	28"	132

80% AFUE Downflow/Horizontal Gas Furnaces

GC9S80 Series, Single-Stage, Multi-Speed, ECM

- Aluminized-steel, dual-diameter tubular heat exchanger
- Single-stage gas valve
- Hot surface ignitor
- Single-speed draft inducer
- Self-diagnostic control board
- Multi-speed ECM blower motor
- Left or right connection for gas & electrical service
- Foil faced insulated heat exchanger



Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. Tons	Nom. CFM	CFM @ 0.5" ESP	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
Standard													
L60-462	GC9S800403AN	80.0%	40,000	32,000	3	1,200	1,252	8.7	4"	14"	33-3/8"	28"	90
L60-464	GC9S800603AN	80.0%	60,000	48,000	3	1,200	1,289	8.7	4"	14"	33-3/8"	28"	94
L60-466	GC9S800804BN	80.0%	80,000	64,000	4	1,600	1,491	12.45	4"	17-1/2"	33-3/8"	28"	107
L60-469	GC9S801005CN	80.0%	100,000	80,000	5	2,000	2,053	15.3	4"	21"	33-3/8"	28"	115
LoNOx													
L60-463	GC9S800403AX	80.0%	40,000	32,000	3	1,200	1,252	8.7	4"	14"	33-3/8"	28"	90
L60-465	GC9S800603AX	80.0%	60,000	48,000	3	1,200	1,289	8.7	4"	14"	33-3/8"	28"	94
L60-467	GC9S800804BX	80.0%	80,000	64,000	4	1,600	1,491	12.45	4"	17-1/2"	33-3/8"	28"	107
L60-468	GC9S800805CX	80.0%	80,000	64,000	5	2,000	2,074	15.3	4"	21"	33-3/8"	28"	115
L60-470	GC9S801005CX	80.0%	100,000	80,000	5	2,000	2,053	15.3	4"	21"	33-3/8"	28"	115

80% AFUE Upflow/Horizontal Gas Furnaces

GM9S80 Series, Single-Stage, Multi-Speed, ECM, Ultra LoNOx



- Stainless-steel, dual-diameter tubular heat exchanger
- Single-stage gas valve
- Hot surface ignitor
- Modulating draft inducer
- Self-diagnostic control board
- Multi-speed ECM blower motor
- Foil faced insulated heat exchanger
- California Ultra-LoNOx emissions compliant

Note: GMES80 furnaces will be in the catalog while inventory lasts

Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. Tons	Nom. CFM	CFM @ 0.5" ESP	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
L60-635	GM9S800403AU	80.0%	40,000	32,000	3	1,200	1,269	8.7	4"	14"	33-3/8"	28"	86
L60-636	GM9S800603AU	80.0%	60,000	48,000	3	1,200	1,305	8.7	4"	14"	33-3/8"	28"	90
L60-637	GM9S800604BU	80.0%	60,000	48,000	4	1,600	1,645	12.45	4"	17-1/2"	33-3/8"	28"	100
L60-638	GM9S800804BU	80.0%	80,000	64,000	4	1,600	1,655	12.45	4"	17-1/2"	33-3/8"	28"	108
L60-639	GM9S800805CU	80.0%	80,000	64,000	5	2,000	2,082	12.7	4"	21"	33-3/8"	28"	116

80% AFUE Upflow/Horizontal Gas Furnaces

GMVS80-U Series, Single-Stage, Variable-Speed, Ultra LoNOx



- Integrated communicating ComfortBridge™ technology
- Commissioning and diagnostics via on board Bluetooth with the CoolCloud™ phone and tablet application
- Stainless-steel dual diameter tubular heat exchanger
- Single-stage gas valve
- Hot surface ignitor
- Modulating draft inducer
- Self-diagnostic control board
- Left or right connection
- Foil faced insulated heat exchanger

Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. Tons	Nom. CFM	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
L95-903	GMVS800604BU	80.0%	60,000	48,000	1-1/2-4	1,600	11.6	4"	17-1/2"	33-3/8"	28"	112
L95-904	GMVS800805CU	80.0%	80,000	64,000	2-5	2,000	11.6	4"	21"	33-3/8"	28"	127

80% AFUE Downflow/Horizontal Gas Furnaces

GC9C80 Series, Two-Stage, Multi-Speed, LoNOX



- Two-stage gas valve
- Multi-speed ECM circulator motor
- SureStart® Silicon Nitride igniter
- Self-diagnostic control board
- Low constant fan speed
- Two-speed induced draft blower
- Fully insulated, heavy-gauge steel cabinet

Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. Tons	Nom. CFM	CFM @ 0.5" ESP	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
L60-490	GC9C800403AX	80.0%	40,000	32,000	3	1,200	1,335	8.7	4"	14"	33-3/8"	28"	105
L60-491	GC9C800603AX	80.0%	60,000	48,000	3	1,200	1,289	8.7	4"	14"	33-3/8"	28"	107
L60-492	GC9C800603BX	80.0%	60,000	48,000	3	1,200	1,322	8.7	4"	17-1/2"	33-3/8"	28"	107
L60-493	GC9C800804BX	80.0%	80,000	64,000	4	1,600	1,491	12.45	4"	17-1/2"	33-3/8"	28"	121
L60-494	GC9C800805CX	80.0%	80,000	64,000	5	2,000	2,074	15.32	4"	21"	33-3/8"	28"	129
L60-495	GC9C801005CX	80.0%	100,000	80,000	5	2,000	1,720	15.32	4"	21"	33-3/8"	28"	131

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80% AFUE Upflow/Horizontal Gas Furnaces

GM9C80 Series, Two-Stage, Multi-Speed, ECM

- Two-stage gas valve
- Multi-speed ECM circulator motor
- SureStart® Silicon Nitride igniter
- Self-diagnostic control board
- Low constant fan speed
- Two-speed induced draft blower
- Foil faced insulated heat exchanger



Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. Tons	Nom. CFM	CFM @ 0.5" ESP	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
Standard													
L60-471	GM9C800403AN	80.0%	40,000	32,000	3	1,200	1,314	8.7	4"	14"	33-3/8"	28"	105
L60-472	GM9C800603AN	80.0%	60,000	48,000	3	1,200	1,354	8.7	4"	14"	33-3/8"	28"	107
L60-473	GM9C800603BN	80.0%	60,000	48,000	3	1,200	1,387	8.7	4"	17-1/2"	33-3/8"	28"	107
L60-474	GM9C800803BN	80.0%	80,000	64,000	3	1,200	1,383	8.7	4"	17-1/2"	33-3/8"	28"	118
L60-475	GM9C800804BN	80.0%	80,000	64,000	4	1,600	1,708	12.45	4"	17-1/2"	33-3/8"	28"	121
L60-476	GM9C800804CN	80.0%	80,000	64,000	4	1,600	1,695	12.45	4"	21"	33-3/8"	28"	129
L60-477	GM9C800805CN	80.0%	80,000	64,000	5	2,000	2,034	15.32	4"	21"	33-3/8"	28"	129
L60-478	GM9C801004CN	80.0%	100,000	80,000	4	1,600	1,735	12.45	4"	21"	33-3/8"	28"	124
L60-479	GM9C801005CN	80.0%	100,000	80,000	5	2,000	2,071	15.32	4"	21"	33-3/8"	28"	124
L60-480	GM9C801205DN	80.0%	120,000	96,000	5	2,000	1,963	15.32	4"	24-1/2"	33-3/8"	28"	124
LoNOx													
L60-481	GM9C800403AX	80.0%	40,000	32,000	3	1,200	1,314	8.7	4"	14"	33-3/8"	28"	105
L60-482	GM9C800603AX	80.0%	60,000	48,000	3	1,200	1,354	8.7	4"	14"	33-3/8"	28"	107
L60-483	GM9C800603BX	80.0%	60,000	48,000	3	1,200	1,387	8.7	4"	17-1/2"	33-3/8"	28"	107
L60-484	GM9C800803BX	80.0%	80,000	64,000	3	1,200	1,383	8.7	4"	17-1/2"	33-3/8"	28"	118
L60-485	GM9C800804BX	80.0%	80,000	64,000	4	1,600	1,708	12.45	4"	17-1/2"	33-3/8"	28"	121
L60-486	GM9C800804CX	80.0%	80,000	64,000	4	1,600	1,695	12.45	4"	21"	33-3/8"	28"	129
L60-487	GM9C800805CX	80.0%	80,000	64,000	5	2,000	2,034	15.32	4"	21"	33-3/8"	28"	129
L60-488	GM9C800805DX	80.0%	80,000	64,000	5	2,000	2,020	15.32	4"	24-1/2"	33-3/8"	28"	129
L60-489	GM9C801005CX	80.0%	100,000	80,000	5	2,000	2,071	15.32	4"	21"	33-3/8"	28"	124

80% AFUE Upflow/Horizontal Gas Furnaces

GMVC8 Series, Two-Stage, Variable-Speed

- Aluminized steel, dual-diameter tubular heat exchanger
- ComfortNet™ Communications System compatible
- Two-stage gas valve
- Integrated communicating ComfortBridge™ technology
- Commissioning and diagnostics via on board Bluetooth with the CoolCloud™ phone and tablet application
- Two-stage gas valve
- SureStart® Silicon Nitride ignitor
- Variable-speed ECM circulator motor
- Quiet two-speed induced draft motor
- Self-diagnostic control board
- Low constant fan mode
- Fully insulated cabinet
- Removable bottom for side- or bottom-return applications
- 10-year unit replacement limited warranty
- Lifetime heat exchanger limited warranty



Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. Tons	Nom. CFM	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
Standard												
L94-292	GMVC800603BN	80.0%	60,000	48,000	1-1/2-3	1,200	7.75	4"	17-1/2"	33-3/8"	28"	105
L94-293	GMVC800604BN	80.0%	60,000	48,000	1-1/2-4	1,600	10.6	4"	17-1/2"	33-3/8"	28"	107
L94-294	GMVC800803BN	80.0%	80,000	64,000	1-1/2-3	1,200	7.75	4"	17-1/2"	33-3/8"	28"	110
L94-295	GMVC800804CN	80.0%	80,000	64,000	3-4	1,600	7.75	4"	21"	33-3/8"	28"	118
L94-296	GMVC800805CN	80.0%	80,000	64,000	2-5	2,000	10.6	4"	21"	33-3/8"	28"	121
L94-297	GMVC800805DN	80.0%	80,000	64,000	2-5	2,000	10.6	4"	24-1/2"	33-3/8"	28"	129
L94-298	GMVC801005CN	80.0%	100,000	80,000	2-5	2,000	10.6	4"	21"	33-3/8"	28"	124
LoNOx												
L94-299	GMVC800603BX	80.0%	60,000	48,000	1-1/2-3	1,200	7.75	4"	17-1/2"	33-3/8"	28"	105
L94-300	GMVC800604BX	80.0%	60,000	48,000	1-1/2-4	1,600	10.6	4"	17-1/2"	33-3/8"	28"	107
L94-302	GMVC800804CX	80.0%	80,000	64,000	3-4	1,600	7.75	4"	21"	33-3/8"	28"	118
L94-303	GMVC800805CX	80.0%	80,000	64,000	2-5	2,000	10.6	4"	21"	33-3/8"	28"	121
L94-304	GMVC800805DX	80.0%	80,000	64,000	2-5	2,000	10.6	4"	24-1/2"	33-3/8"	28"	129
L94-305	GMVC801005CX	80.0%	100,000	80,000	2-5	2,000	10.6	4"	21"	33-3/8"	28"	124

80% AFUE Downflow/Horizontal Gas Furnaces

GCVC8 Series, Two-Stage, Variable-Speed, LoNOx



- Aluminized steel, dual-diameter tubular heat exchanger
- Integrated communicating ComfortBridge™ technology
- Commissioning and diagnostics via on board Bluetooth with the CoolCloud™ phone and tablet application
- Two-stage gas valve
- SureStart® Silicon Nitride ignitor
- Variable-speed ECM circulator motor
- Quiet two-speed induced draft motor
- Self-diagnostic control board
- Low constant fan mode
- Fully insulated cabinet
- Removable bottom for side- or bottom-return applications
- 10-year unit replacement limited warranty
- Lifetime heat exchanger limited warranty

Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. Tons	Nom. CFM	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
L94-306	GCVC800603BX	80.0%	60,000	48,000	1-1/2-3	1,200	7.75	4"	17-1/2"	33-3/8"	28"	105
L94-307	GCVC800803BX	80.0%	80,000	64,000	1-1/2-3	1,200	7.75	4"	17-1/2"	33-3/8"	28"	109
L94-308	GCVC800805CX	80.0%	80,000	64,000	2-5	2,000	10.6	4"	21"	33-3/8"	28"	125
L94-309	GCVC801005CX	80.0%	100,000	80,000	2-5	2,000	10.6	4"	21"	33-3/8"	28"	129

92% AFUE Upflow/Horizontal Gas Furnaces

GM9S92 Series, Single-Stage, Multi-Speed, ECM, Standard



- Aluminized-steel tubular heat exchanger
- Stainless-steel secondary heat exchanger
- Lifetime heat exchanger limited warranty
- Silicon Nitride igniter
- Multi-speed ECM blower motor
- Single-speed induced draft blower
- Self-diagnostic control board
- Certified for direct vent (2-pipe) or non-direct vent (1-pipe)
- Left or right connection for gas and electrical service
- Foil-faced insulated heat exchanger cabinet

Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. Tons	Nom. CFM	CFM @ 0.5" ESP	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
L60-496	GM9S920403AN	92.0%	40,000	36,840	3	1,200	971	10.3	2"-3"	14"	34-1/2"	28-7/8"	106
L60-497	GM9S920603BN	92.0%	60,000	55,260	3	1,200	958	10.3	2"-3"	17-1/2"	34-1/2"	28-7/8"	114
L60-498	GM9S920803BN	92.0%	80,000	73,680	3	1,200	977	10.3	2"-3"	17-1/2"	34-1/2"	28-7/8"	117
L60-499	GM9S920804CN	92.0%	80,000	73,680	4	1,600	1,623	14.1	2"-3"	21"	34-1/2"	28-7/8"	139
L60-500	GM9S920805CN	92.0%	80,000	73,680	5	2,000	1,644	16.9	2"-3"	21"	34-1/2"	28-7/8"	140
L60-501	GM9S921004CN	92.0%	100,000	92,100	4	1,600	1,606	14.1	2"-3"	21"	34-1/2"	28-7/8"	141
L60-502	GM9S921005CN	92.0%	100,000	92,100	5	2,000	1,623	16.9	2"-3"	21"	34-1/2"	28-7/8"	141
L60-503	GM9S921205DN	92.0%	120,000	110,520	5	2,000	1,628	16.9	3"	24-1/2"	34-1/2"	28-7/8"	154

96% AFUE Upflow/Horizontal Gas Furnaces

GM9S96 Series, Single-Stage, Multi-Speed, ECM



- Aluminized-steel tubular heat exchanger
- Stainless-steel secondary heat exchanger
- Silicon Nitride igniter
- Single-speed induced draft blower
- Single-stage gas valve
- Self-diagnostic control board
- Fully insulated heat exchanger and blower section

Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. Tons	Nom. CFM	CFM @ 0.5" ESP	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
L60-504	GM9S960403AN	96.0%	40,000	38,400	3	1,200	751	10.3	2"-3"	14"	34-1/2"	28-7/8"	108
L60-505	GM9S960603BN	96.0%	60,000	57,600	3	1,200	953	10.3	2"-3"	17-1/2"	34-1/2"	28-7/8"	118
L60-506	GM9S960803BN	96.0%	80,000	76,880	3	1,200	1,143	10.3	2"-3"	17-1/2"	34-1/2"	28-7/8"	118
L60-507	GM9S960804CN	96.0%	80,000	76,880	4	1,600	1,354	14.1	2"-3"	21"	34-1/2"	28-7/8"	141
L60-508	GM9S960805CN	96.0%	80,000	76,880	5	2,000	1,554	16.9	2"-3"	21"	34-1/2"	28-7/8"	142
L60-509	GM9S961005CN	96.0%	100,000	96,100	5	2,000	1,619	16.9	2"-3"	21"	34-1/2"	28-7/8"	144
L60-510	GM9S961205DN	96.0%	120,000	115,320	5	2,000	1,726	16.9	3"	24-1/2"	34-1/2"	28-7/8"	156

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96% AFUE Downflow/Horizontal Gas Furnaces

GC9S96 Series, Single-Stage, Multi-Speed, ECM, Standard

- Aluminized-steel tubular heat exchanger
- Stainless-steel secondary heat exchanger
- Silicon Nitride igniter
- Single-speed induced draft blower
- Single-stage gas valve
- Self-diagnostic control board
- Fully insulated heat exchanger and blower section



Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. Tons	Nom. CFM	CFM @ 0.5" ESP	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
L60-511	GC9S960403BN	96.0%	40,000	38,440	2	1,200	785	10.3	2" - 3"	17-1/2"	34-1/2"	28-3/4"	113
L60-512	GC9S960603BN	96.0%	60,000	57,660	3	1,200	949	10.3	2" - 3"	17-1/2"	34-1/2"	28-3/4"	116
L60-513	GC9S960804CN	96.0%	80,000	76,880	4	1,600	1,412	14.1	2" - 3"	21"	34-1/2"	28-3/4"	141
L60-514	GC9S961005CN	96.0%	100,000	95,000	5	2,000	1,437	16.9	2" - 3"	21"	34-1/2"	28-3/4"	144
L60-515	GC9S961205DN	96.0%	120,000	114,000	5	2,000	1,602	16.9	3"	24-1/2"	34-1/2"	28-3/4"	156

96% AFUE Upflow/Horizontal Gas Furnaces

GM9S96 Series, Single-Stage, Multi-Speed, ECM, Ultra LoNOx

- Stainless-steel tubular heat exchanger
- Stainless-steel tubular heat exchanger for Ultra LoNOx furnaces
- Stainless-steel secondary heat exchanger
- Silicon Nitride igniter
- Multi-speed induced draft blower
- Single-stage gas valve
- Self-diagnostic control board
- Fully insulated heat exchanger and blower section



Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. Tons	Nom. CFM	CFM @ 0.5" ESP	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
L60-640	GM9S960403BU	96.0%	40,000	38,400	1-1/2-3	1,200	1,231	10.8	2" - 3"	17-1/2"	34-1/2"	28-3/4"	115
L60-641	GM9S960603BU	96.0%	60,000	57,600	1-1/2-3	1,200	1,288	10.8	2" - 3"	17-1/2"	34-1/2"	28-3/4"	120
L60-642	GM9S960805CU	96.0%	80,000	76,800	2-1/2-5	2,000	2,135	16.1	2" - 3"	21"	34-1/2"	28-3/4"	145

96% AFUE Upflow/Horizontal Gas Furnaces

GMVS96-U Series, Single-Stage, Variable-Speed, Ultra LoNOx

- Integrated communicating ComfortBridge™ technology
- Commissioning and diagnostics via on board Bluetooth with the CoolCloud™ phone and tablet application
- Stainless-steel tubular heat exchanger
- Single-stage gas valve
- Silicon Nitride igniter
- Modulating draft inducer
- Self-diagnostic control board
- Left or right connection
- Fully insulated heat exchanger & blower section



Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. Tons	Nom. CFM	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
L95-905	GMVS960603BU	96.0%	60,000	57,600	1-1/2-3	1,200	8.8	2" - 3"	17-1/2"	34-1/2"	28-3/4"	122
L95-906	GMVS960805CU	96.0%	80,000	76,800	2-5	2,000	15.4	2" - 3"	21"	34-1/2"	28-3/4"	147

96% AFUE Upflow/Horizontal Gas Furnaces

GM9C96 Series, Two-Stage, Multi-Speed ECM, Standard

- Aluminized-steel tubular heat exchanger
- Stainless-steel secondary heat exchanger
- Lifetime heat exchanger limited warranty
- Silicon Nitride igniter
- Multi-speed ECM blower motor
- Two-stage gas valve
- Two-speed induced draft blower
- Self-diagnostic control board
- Certified for direct vent (2-pipe) or non-direct vent (1-pipe)
- Left or right connection for gas and electrical service
- Fully insulated heat exchanger & blower section



Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. Tons	Nom. CFM	CFM @ 0.5" ESP	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
L60-516	GM9C960303AN	96.0%	30,000	28,800	3	1,200	1,128	8.6	2"-3"	14"	34-1/2"	28-3/4"	106
L60-517	GM9C960403AN	96.0%	40,000	38,400	3	1,200	1,263	8.6	2"-3"	14"	34-1/2"	28-3/4"	106
L60-518	GM9C960603AN	96.0%	60,000	57,600	3	1,200	1,070	8.6	2"-3"	14"	34-1/2"	28-3/4"	110
L60-519	GM9C960603BN	96.0%	60,000	57,600	3	1,200	1,397	8.0	2"-3"	17-1/2"	34-1/2"	28-3/4"	115
L60-520	GM9C960803BN	96.0%	80,000	76,800	3	1,200	1,347	8.0	2"-3"	17-1/2"	34-1/2"	28-3/4"	118
L60-521	GM9C960804CN	96.0%	80,000	76,800	4	1,600	1,771	11.6	2"-3"	21"	34-1/2"	28-3/4"	123
L60-522	GM9C961004CN	96.0%	100,000	96,000	4	1,600	1,858	13.3	2"-3"	21"	34-1/2"	28-3/4"	140
L60-523	GM9C961005CN	96.0%	100,000	96,000	5	2,000	2,010	13.3	2"-3"	21"	34-1/2"	28-3/4"	140
L60-524	GM9C961205DN	96.0%	120,000	115,200	5	2,000	2,250	13.3	2"-3"	24-1/2"	34-1/2"	28-3/4"	154

Goodman Air Conditioning & Heating



96% AFUE Dowflow/Horizontal Gas Furnaces

GC9C96 Series, Two-Stage, Multi-Speed ECM, Standard

- Aluminized-steel tubular heat exchanger
- Stainless-steel secondary heat exchanger
- Lifetime heat exchanger limited warranty
- Silicon Nitride igniter
- Multi-speed ECM blower motor
- Two-stage gas valve
- Two-speed induced draft blower
- Self-diagnostic control board
- Certified for direct vent (2-pipe) or non-direct vent (1-pipe)
- Left or right connection for gas and electrical service
- Fully insulated heat exchanger & blower section

Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. Tons	Nom. CFM	CFM @ 0.5" ESP	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
L60-525	GC9C960403BN	96.0%	40,000	38,400	3	1,200	1,276	8.0	2"-3"	17-1/2"	34-1/2"	28-3/4"	112
L60-526	GC9C960603BN	96.0%	60,000	57,600	3	1,200	1,323	8.0	2"-3"	17-1/2"	34-1/2"	28-3/4"	115
L60-527	GC9C960803BN	96.0%	80,000	76,800	3	1,200	1,295	8.0	2"-3"	17-1/2"	34-1/2"	28-3/4"	118
L60-528	GC9C961005CN	96.0%	100,000	96,000	5	2,000	1,931	13.3	2"-3"	21"	34-1/2"	28-3/4"	140

Goodman Air Conditioning & Heating

ComfortBridge technology CoolCloud



96% AFUE Upflow/Horizontal Gas Furnaces

GMVC96 Series, Two-Stage, Variable-Speed, ECM, Standard

- Integrated communicating ComfortBridge™ Technology
- Commissioning and diagnostics via on board Bluetooth with the CoolCloud phone and tablet application
- Aluminized-steel tubular heat exchanger
- Stainless-steel secondary heat exchanger
- Silicon Nitride ignitor
- Two-stage gas valve
- Two-speed induced draft blower
- Self-diagnostic control board
- Auto-Comfort and enhanced dehumidification modes available
- All models comply with California 40 ng/J Low NOx emissions standard
- Fully insulated heat exchanger and blower section
- Certified for direct vent (2-pipe)or non-direct vent (1-pipe)

Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. CFM	CFM @ 0.5" ESP	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
L94-200	GMVC960403BN	96.0%	40,000	38,400	1,200	744	7.8	2"-3"	17-1/2"	34-1/2"	28-3/4"	114
L94-201	GMVC960603BN	96.0%	60,000	57,600	1,200	1,386	7.8	2"-3"	17-1/2"	34-1/2"	28-3/4"	117
L94-202	GMVC960803BN	96.0%	80,000	76,800	1,200	1,536	7.8	2"-3"	17-1/2"	34-1/2"	28-3/4"	120
L94-203	GMVC960804CN	96.0%	80,000	76,800	1,600	1,536	10.6	2"-3"	21"	34-1/2"	28-3/4"	141
L94-204	GMVC961005CN	96.0%	100,000	96,000	2,000	2,153	14.4	2"-3"	21"	34-1/2"	28-3/4"	143
L94-206	GMVC961205DN	96.0%	120,000	115,200	2,000	2,231	14.4	2"-3"	24-1/2"	34-1/2"	28-3/4"	156

Goodman Air Conditioning & Heating

ComfortBridge technology CoolCloud



96% AFUE Downflow/Horizontal Gas Furnaces

GCVC96 Series, Two-Stage, Variable-Speed, ECM, Standard

- Integrated communicating ComfortBridge™ Technology
- Commissioning and diagnostics via on board Bluetooth with the CoolCloud phone and tablet application
- Aluminized-steel tubular heat exchanger
- Stainless-steel secondary heat exchanger
- Silicon Nitride ignitor
- Two-stage gas valve
- Two-speed induced draft blower
- Self-diagnostic control board
- Auto-Comfort and enhanced dehumidification modes available
- All models comply with California 40 ng/J Low NOx emissions standard
- Fully insulated heat exchanger and blower section
- Certified for direct vent (2-pipe)or non-direct vent (1-pipe)

Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. CFM	CFM @ 0.5" ESP	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
L94-208	GCVC960603BN	96.0%	60,000	57,600	1,200	1,091	7.8	2"-3"	17-1/2"	34-1/2"	28-3/4"	119
L94-209	GCVC960804CN	96.0%	80,000	76,800	1,600	1,681	10.6	2"-3"	21"	34-1/2"	28-3/4"	143
L94-210	GCVC961005CN	96.0%	100,000	96,000	1,600	2,069	14.4	2"-3"	21"	34-1/2"	28-3/4"	145
L94-211	GCVC961205DN	96.0%	120,000	115,200	2,000	2,110	14.4	2"-3"	24-1/2"	34-1/2"	28-3/4"	158

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97% AFUE Upflow/Horizontal Gas Furnaces

GMVM97 Series, Modulating, Variable-Speed, ECM, Standard

- Integrated communicating ComfortBridge™ Technology
- Commissioning and diagnostics via on board Bluetooth with the CoolCloud phone and tablet application
- Aluminized-steel tubular heat exchanger
- Stainless-steel secondary heat exchanger
- Silicon Nitride igniter
- Self-calibrating modulating gas valve
- Variable-speed induced draft blower
- Self-diagnostic control board
- Auto-Comfort and enhanced dehumidification mode
- Certified for direct vent (2-pipe) or non-direct vent (1-pipe)
- Left or right connection for gas and electrical service
- Fully insulated heat exchanger & blower section



Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. CFM	CFM @ 0.5" ESP	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
L95-533	GMVM970603BN	97.0%	60,000	58,800	1,200	1,386	8.8	2"-3"	17-1/2"	34-1/2"	28-3/4"	118
L95-534	GMVM970803BN	97.0%	80,000	77,600	1,200	1,536	8.8	2"-3"	17-1/2"	34-1/2"	28-3/4"	121
L95-535	GMVM970804CN	97.0%	80,000	78,400	1,600	1,668	11.6	2"-3"	21"	34-1/2"	28-3/4"	142
L95-536	GMVM971005CN	97.0%	100,000	97,000	2,000	2,153	15.4	2"-3"	21"	34-1/2"	28-3/4"	144
L95-537	GMVM971205DN	97.0%	120,000	116,400	2,000	2,231	15.4	2"-3"	24-1/2"	34-1/2"	28-3/4"	157

97% AFUE Downflow/Horizontal Gas Furnaces

GCVM97 Series, Modulating, Variable-Speed, ECM, Standard

- Integrated communicating ComfortBridge™ Technology
- Commissioning and diagnostics via on board Bluetooth with the CoolCloud phone and tablet application
- Aluminized-steel tubular heat exchanger
- Stainless-steel secondary heat exchanger
- Silicon Nitride igniter
- Self-calibrating modulating gas valve
- Variable-speed induced draft blower
- Self-diagnostic control board
- Auto-Comfort and enhanced dehumidification mode
- Certified for direct vent (2-pipe) or non-direct vent (1-pipe)
- Left or right connection for gas and electrical service
- Fully insulated heat exchanger & blower section



Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. CFM	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
L95-538	GCVM970603BN	97.0%	60,000	58,200	1,200	8.8	2"-3"	17-1/2"	34-1/2"	28-3/4"	117
L95-539	GCVM970803BN	97.0%	80,000	77,600	1,200	8.8	2"-3"	17-1/2"	34-1/2"	28-3/4"	122
L95-540	GCVM970804CN	97.0%	80,000	77,600	1,600	11.6	2"-3"	21"	34-1/2"	28-3/4"	144
L95-541	GCVM971005CN	97.0%	100,000	97,000	2,000	15.4	2"-3"	21"	34-1/2"	28-3/4"	146

LP Conversion Kits



A



B

Fig.	Order #	Mfg. #	Description	For Use With
A	**L37-810**	LPM-01A	LP Gas Conversion Kit w/ Orifices & Spring Kit	GMP & GMPN Series Furnaces
B	**L39-081**	LPT-01A	LP Gas Conversion Kit w/ Orifices & Spring Kit	GMNT Gas Furnaces
—	**L47-682**	LPM-09	LP Gas Conversion Kit	Modulating Gas Furnaces
—	**L50-514**	LPM-30	LP Gas Conversion Kit	GMEC960303AN, GMEC960302BN

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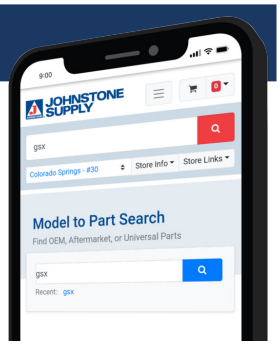

All Fuel Control Kit



- Used when coupling a heat pump with a gas furnace
- Controls interface between heat pump, furnace and thermostat
- Allows heat pump to be primary source of heat
- Control will easily accept an outdoor thermostat

Order #	Mfg. #	For Use With
B12-551	AFE18-60A	GKS95, GMVC8, GME8, GDH8, GMH8, GMS8, GDS8, GMES80, GMES80-U, GCES80, GMEC96, GMVM97, GCVM97 Gas Furnaces

Gas Furnaces Accessories


A


B


C


D

Fig.	Order #	Mfg. #	Description	For Use With
A	**L97-808**	72950	Vertical Concentric Gas Vent Kit 2"	GMV9, GCV9, GMH95(0453BX, 0703BX), GKS95(0453BX, 0704BX), GME95(0403BX, 0603BX), GM-VM96(0603BX, 0805CX, 1005DX), GCVM960604CX
A	**L97-809**	72951	Vertical Concentric Vent Kit 3"	GMV9, GCV9, GMH95, GKS95(0904CX, 0905DX, 1155DX), GCH95/9, GME95, GMVM96 & GCVM96
B	**L41-667**	LPLP03	LPLP03 Gas Low Pressure Kit	GMH9, GKS9
C	**L45-244**	FTK04	Twining Kit	GMS8, GMH8, GDH8, GDS8, GHS8, GMH95, GCH95/C, GME95, GKS95
D	**X71-934**	0170K00000S	Side Wall Furnace Vent Kit	90% AFUE and Up Gas Furnaces
—	**L47-681**	0170K00001S	Flush Mount Vent Kit 2"	Goodman, Amana & Daikin equipment
—	**L90-326**	EFR01	External Filter Rack	GKS95, GMH95, GMV95, GCH95/9, GME95, GMVM96 & GCVM96
—	**L92-047**	CFSB24	Downflow Subbase 24IN	GMSS92 & GCSS92

Counter Flow Filter Cabinets



- Uses standard filters
- Easy access to filters
- Filters angled to maximize surface
- Sizes 1-4 tons
- Completely insulated
- Filter access without vent pipe interference

Order #	Mfg. #	Cabinet Dimensions	Duct Size	Filter Dimensions	Wt. Lbs.
L81-201	CF1	15-3/4" x 21-3/8" x 12"	13-3/4" x 19-7/8"	10" x 20" x 1"	17
L81-202	CF2	18-3/4" x 21-3/8" x 12"	16-3/4" x 19-7/8"	10" x 20" x 1"	18
L81-203	CF3	23-1/4" x 21-3/8" x 12"	21-1/4" x 19-7/8"	10" x 20" x 1"	20
L81-204	CF4	27-3/4" x 21-3/8" x 12"	25-3/4" x 19-7/8"	10" x 20" x 1"	24

Upflow Filter Plenums



- Spring-hinged door for easy access
- Gasketed door for tight seal
- Adjustable rack for 1", 2" & 4" filters
- Uses standard filters
- 1.5-5 ton models available
- Return access on sides and rear
- No need for construction platform
- 24-gauge steel construction
- Hardware-free filter access

Order #	Mfg. #	Cabinet Dimensions	Duct Size	Filter Dimensions	Wt. Lbs.
L92-212	UFFPG14	15-1/2" x 29" x 18"	12-7/8" x 26-1/2"	14" x 25" x 1", 2" or 4"	20
L92-213	UFFPG17	17-1/2" x 29" x 18"	14-7/8" x 26-1/2"	16" x 25" x 1", 2" or 4"	23
L92-214	UFFPG21-2	21-1/2" x 29" x 18"	18-7/8" x 26-1/2"	20" x 25" x 1", 2" or 4"	26
L92-215	UFFPG24	25-1/2" x 29" x 18"	22-7/8" x 26-1/2"	24" x 24" x 1", 2" or 4"	29
L92-216	UFFPE17	17-1/2" x 22" x 18"	14-7/8" x 19"	16" x 20" x 1", 2" or 4"	20
L92-217	UFFPE21	21-1/2" x 22" x 18"	18-7/8" x 19"	20" x 20" x 1", 2" or 4"	23
L92-218	UFFPE24	26-1/2" x 22" x 18"	23-7/8" x 19"	20" x 25" x 1", 2" or 4"	26
L92-219	UFFPE24N	21-1/2" x 25" x 18"	18-3/4" x 21-3/8"	20" x 25" x 1", 2" or 4"	29

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Horizontal Filter Racks

- Standard size filters
- Horizontal or side return applications
- Fully insulated
- HR models include duct flange
- HRB models blocked on both sides the horizontal filter housing gives the homeowner the option of a 1", 2" or 4" filter



Order #	Mfg. #	Cabinet Dimensions	Duct Size	Filter Dimensions	Wt. Lbs.
L81-197	HR20	25-1/2" x 20" x 6"	19-3/4" x 19"	20" x 25" x 1", 2" or 4"	12
L81-198	HRB20	25-1/2" x 20" x 6"	—	20" x 25" x 1", 2" or 4"	12
L81-199	HR25	20-1/2" x 25" x 6"	19" x 19-3/4"	20" x 25" x 1", 2" or 4"	12
L81-200	HRB25	20-1/2" x 25" x 6"	—	20" x 25" x 1", 2" or 4"	12

Labor Saver Platforms

- Available in 1-3 ton or 3.5-5 ton sizes
- Adjustable rack for 1", 2" and 4" filters
- Uses standard filter sizes
- Easy, dual-sized access
- Lined with 1" insulation
- Angled filter maximizes surface area
- Raises furnace to plenum for efficient installation



Order #	Mfg. #	Cabinet Dimensions	Duct Size	Filter Dimensions	Wt. Lbs.
For Gas Furnaces					
X92-852	LS2832	32" x 28-1/2" x 14"	8" x 24"	20" x 25" x 1", 2" or 4"	45
X92-853	LS2840	40" x 28-1/2" x 14"	10" x 24"	24" x 24" x 1", 2" or 4"	50
X92-854	LS2843	43" x 28-1/2" x 14"	12" x 24"	24" x 24" x 1", 2" or 4"	51
For Air Handlers and Electric Furnaces					
X92-855	LS2232	32" x 22-1/2" x 14"	9-1/2" x 20-1/2"	20" x 20" x 1", 2" or 4"	35
X92-856	LS2240	40" x 22-1/2" x 14"	12" x 20-1/2"	20" x 25" x 1", 2" or 4"	40

Heat Pumps

GSZ Series, 14 & 16 SEER, Single-Phase, 1-1/2 to 5 Ton, R410A

- High efficiency scroll compressor
- High and low pressure switch
- Factory installed bi-flow filter-drier, suction-line accumulator, compressor crankcase heater, high-capacity muffler
- Copper tube/enhanced aluminum fin coil
- Service valves with sweat connections
- Steel louver coil guard
- Contactor with lug connection
- 7/8" to 1-1/8" adapter required for suction line connection on 3-1/2 to 5T units
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines



Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	HSPF	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV	Energy Star
14 SEER															
B75-913	GSZ140181	1-1/2	18,000	18,000	8.2	8.5	15	3/8"	3/4"	29"	34-1/2"	29"	143	B18-099	Y
B79-084	GSZ140191	1-1/2	17,400	18,000	8.2	12.4	20	3/8"	3/4"	29"	34-1/2"	29"	143	B18-099	—
B75-914	GSZ140241	2	24,000	24,000	8.2	10.6	15	3/8"	3/4"	29"	34-1/2"	29"	143	B18-099	Y
B79-085	GSZ140251	2	23,200	23,200	8.2	14.7	25	3/8"	3/4"	29"	34-1/2"	29"	143	B18-099	—
B75-915	GSZ140301	2-1/2	30,000	30,000	8.2	17.8	30	3/8"	3/4"	29"	36-1/4"	29"	171	B14-850	Y
B64-281	GSZ140361	3	36,000	36,000	8.2	19.3	35	3/8"	7/8"	29"	36-1/4"	29"	173	B14-850	Y
B75-917	GSZ140421	3-1/2	42,000	42,000	8.2	22.0	35	3/8"	1-1/8"*	35-1/2"	39-3/4"	35-1/2"	191	B14-851	Y
B75-918	GSZ140481	4	48,000	48,000	8.5	24.6	40	3/8"	1-1/8"*	29"	36-1/4"	29"	226	B14-851	Y
B75-677	GSZ140491	4	48,000	48,000	8.5	26	45	3/8"	7/8"	35-1/2"	34-1/2"	35-1/2"	273	B14-851	—
B75-919	GSZ140601	5	60,000	60,000	9.0	34.3	60	3/8"	1-1/8"*	35-1/2"	34-1/2"	35-1/2"	277	B14-851	—
16 SEER															
B77-551	GSZ160181	1-1/2	18,000	18,000	9.0	12.2	20	3/8"	3/4"	29"	36-3/8"	29"	174	B18-099	Y
B77-552	GSZ160241	2	24,000	24,000	9.0	14.7	25	3/8"	3/4"	35-1/2"	34-5/8"	35-1/2"	180	B18-099	Y
B77-553	GSZ160301	2-1/2	30,000	30,000	9.0	18.0	30	3/8"	3/4"	35-1/2"	34-5/8"	35-1/2"	186	B14-850	Y
B77-554	GSZ160361	3	36,000	36,000	9.0	18.9	30	3/8"	7/8"	35-1/2"	40"	35-1/2"	220	B14-850	Y
B77-555	GSZ160421	3-1/2	42,000	42,000	9.0	22.3	35	3/8"	1-1/8" *	29"	36-3/8"	29"	226	B14-851	Y
B77-557	GSZ160601	5	60,000	60,000	9.0	37.0	60	3/8"	1-1/8" *	35-1/2"	40"	35-1/2"	306	B14-851	—

Goodman
Air Conditioning & Heating



Heat Pumps

GSZB4 & GSZM4 Series, 14.3 SEER2, 7.5HSPF2, 1-1/2 to 5 Ton, R410A

- Energy-efficient compressor (GSZB4 models)
- High-efficiency scroll compressor (GSZM4 models)
- SmartShift® technology to ensure quiet reliable defrost
- Enhanced aluminum fin coil with 5 mm diameter copper tubes in 1.5- to 3.5-ton
- Single-speed PSC condenser fan motor
- Factory-installed bi-flow liquid-line filter drier & suction-line accumulator
- Factory-installed: compressor crankcase heater & high-capacity muffler
- High- and low-pressure switches
- Service valves with sweat connections
- Contactor with lug connection
- Removable grille-style top design
- Steel louver coil guard
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
14.3 SEER2 - Classic													
B66-325	GSZB401810	1-1/2	18,000	18,000	8.6	15	3/8"	3/4"	29"	35-11/16"	29"	161	B18-099
B66-326	GSZB402410	2	24,000	24,000	11.5	15	3/8"	3/4"	29"	35-11/16"	29"	160	B18-099
B66-327	GSZB403010	2-1/2	30,000	30,000	18.6	30	3/8"	3/4"	29"	39-8/16"	29"	175	B14-850
B66-328	GSZB403610	3	36,000	36,000	21.0	35	3/8"	7/8"	35-1/2"	39-10/16"	35-1/2"	214	B14-850
B66-329	GSZB404210	3-1/2	42,000	42,000	23.4	40	3/8"	1-1/8"	35-1/2"	35-13/16"	35-1/2"	264	B14-851
B66-330	GSZB404810	4	48,000	48,000	26.2	45	3/8"	1-1/8"	35-1/2"	36-7/16"	35-1/2"	272	B14-851
B66-331	GSZB406010	5	60,000	60,000	33.3	50	3/8"	1-1/8"	35-1/2"	41-10/16"	35-1/2"	305	B14-851
14.3 SEER2 - Multi-Family													
B66-332	GSZM401810	1-1/2	18,000	18,000	12.2	20	3/8"	3/4"	29"	35-11/16"	29"	164	B18-099
B66-333	GSZM402410	2	24,000	24,000	15.3	25	3/8"	3/4"	29"	35-11/16"	29"	164	B18-099
B66-334	GSZM403010	2-1/2	30,000	30,000	18.6	30	3/8"	3/4"	29"	39-8/16"	29"	175	B14-850
B66-335	GSZM403610	3	36,000	36,000	21.0	35	3/8"	7/8"	35-1/2"	39-10/16"	35-1/2"	214	B14-850

Goodman
Air Conditioning & Heating



Heat Pumps

GSZH5 Series, 15.2 SEER2, Single-Phase, 1-1/2 to 5 Ton, R410A

- High efficiency scroll compressor
- High and low pressure switch
- SmartShift® technology to ensure quiet reliable defrost
- Factory installed suction-line accumulator, compressor crankcase heater, high-capacity muffler
- Copper tube/enhanced aluminum fin coil on 1.5-3.5T
- Service valves with sweat connections
- Steel louver coil guard
- Contactor with lug connection
- Fully charged for 15' of tubing length
- Single panel access to controls with space provided for field-installed accessories
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
B65-698	GSZH501810	1-1/2	18,000	18,000	12.2	20	3/8"	3/4"	29"	39-1/2"	29"	171	B18-099
B65-699	GSZH502410	2	24,000	24,000	15.3	25	3/8"	3/4"	35-1/2"	35-3/4"	35-1/2"	193	B18-099
B65-700	GSZH503010	2-1/2	30,000	30,000	18.6	30	3/8"	3/4"	35-1/2"	39-1/2"	35-1/2"	215	B14-850
B65-701	GSZH503610	3	36,000	36,000	22.8	35	3/8"	7/8"	35-1/2"	39-1/2"	35-1/2"	222	B14-850
B65-702	GSZH504210	3-1/2	42,000	42,000	23.4	40	3/8"	7/8"	35-1/2"	35-3/4"	35-1/2"	264	B14-851
B65-703	GSZH504810	4	48,000	48,000	26.2	45	3/8"	7/8"	35-1/2"	36-1/2"	35-1/2"	272	B14-851
B65-704	GSZH506010	5	60,000	60,000	30.6	50	3/8"	7/8"	35-1/2"	41-5/8"	35-1/2"	309	B14-851

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Heat Pumps

GSZC Series, 16 and 18 SEER, Two-Stage, Single-Phase, 2 to 5 Ton, R410A

- Two-stage scroll compressor
- Two-speed condenser fan motor
- Integrated communicating ComfortBridge™ Technology
- Commissioning and diagnostics via indoor board Bluetooth with the CoolCloud™ phone and tablet application
- Expanded ComfortAlert diagnostics built in
- SmartShift® technology with short-cycle protection
- Factory-installed filter drier & suction line accumulator
- Factory-installed transformer
- High and low-pressure switches
- High-density foam compressor sound blanket
- Fully charged for 15' of tubing length
- Factory-installed sensors monitoring coil and ambient temperature
- Factory-installed compressor crankcase heater
- Factory-installed high-capacity muffler
- Sound control top design
- Wire fan discharge grille
- *7/8" to 1-1/8" adapter required for suction line connections on 4 and 5 ton units
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines



Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	HSPF	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV	Energy Star
16 SEER															
B61-611	GSZC160241	2	24,000	24,000	9.0	13.5	20	3/8"	3/4"	35-1/2"	34-5/8"	35-1/2"	215	B18-099	Y
B61-612	GSZC160361	3	36,000	36,000	9.0	19.5	30	3/8"	7/8"	35-1/2"	40"	35-1/2"	240	B14-850	Y
B61-613	GSZC160481	4	48,000	48,000	9.0	26.5	45	3/8"	1-1/8" *	35-1/2"	34-5/8"	35-1/2"	291	B14-851	Y
B61-614	GSZC160601	5	60,000	60,000	9.5	31.4	50	3/8"	1-1/8" *	35-1/2"	40"	35-1/2"	313	B14-851	Y
18 SEER															
B61-607	GSZC180241	2	23,800	23,000	10.0	15.3	25	3/8"	7/8"	35-1/2"	40"	35-1/2"	230	B18-099	Y
B61-608	GSZC180361	3	34,800	35,000	10.0	21.3	35	3/8"	7/8"	35-1/2"	34-5/8"	35-1/2"	260	B14-850	Y
B61-609	GSZC180481	4	49,500	51,000	9.5	28.3	45	3/8"	1-1/8" *	35-1/2"	40"	35-1/2"	316	B14-851	Y
B61-610	GSZC180601	5	56,500	59,500	9.5	31.4	50	3/8"	1-1/8" *	35-1/2"	40"	35-1/2"	319	B14-851	Y

Heat Pumps

GSZC7 Series, 17.2 SEER2, 8.2 HSPF2, Single-Phase, 2 to 5 Ton, R410A

- Two-stage Copeland UltraTech scroll compressor
- Integrated communicating ComfortBridge™ technology
- Commissioning and diagnostics via indoor board Bluetooth with the CoolCloud™ phone and tablet application
- ComfortAlert™ built in diagnostics
- Copper tube/enhanced aluminum fin coil - 5mm on 2.0-3.0T
- Two-speed ECM condenser fan motor
- High and low pressure switches
- Factory-installed: bi-flow liquid line filter drier, suction line accumulator, compressor crankcase, high capacity muffler, coil and ambient temperature sensors
- Diagnostic indicator lights and storage of six fault codes
- Color-coded terminal strip
- Wire fan discharge grille
- Steel louver coil guard
- High-density foam compressor sound blanket
- *Installer will need to supply ⅞" to 1⅛" adapters for suction line connections
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines



Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
B66-864	GSZC702410	2	24,000	24,000	16.4	25	3/8"	3/4"	35-1/2"	39-1/2"	35-1/2"	219	B18-099
B66-865	GSZC703610	3	36,000	36,000	24.1	40	3/8"	7/8"	35-1/2"	35-3/4"	35-1/2"	257	B14-850
B66-866	GSZC704810	4	48,000	48,000	27.7	45	3/8"	1-1/8" *	35-1/2"	41-5/8"	35-1/2"	307	B14-851
B66-867	GSZC706010	5	60,000	60,000	32.4	50	3/8"	1-1/8" *	35-1/2"	41-5/8"	35-1/2"	315	B14-851

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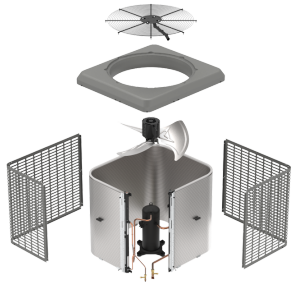

Goodman
Air Conditioning & Heating



Horizontal Discharge Heat Pumps

GSZS6 Series, 16.2 SEER2, Single-Phase, Variable-Speed, 1-1/2 To 5 Ton, R410A

- Variable-speed swing compressor
- High-density compressor sound blanket
- Compatible with Goodman connected thermostat and other Goodman communicating equipment
- Control algorithmic logic
- Diagnostic indicator lights, 7-segment LED display, and fault code storage
- Quiet digitally commutated fan motor
- Inside intelligence for diagnostics
- Field-installed bi-flow filter drier
- Coil and ambient temperature sensors
- Suction pressure transducer
- Sweat connection service valves
- Wire fan discharge grille
- Top and side maintenance access
- When properly anchored, meets the 2010 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available)
- * Installer will need to supply ⅞" to 1⅞" adapters for suction line connections
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
B67-663	GSZS601810	1-1/2	16,600	17,400	14.6	15	3/8"	3/4"	36-5/8"	27-3/8"	13-3/4"	122
B67-664	GSZS602410	2	22,200	23,200	18.8	20	3/8"	3/4"	36-5/8"	27-3/8"	13-3/4"	122
B67-665	GSZS603010	2-1/2	27,800	28,800	23.9	25	3/8"	7/8"	36-5/8"	27-3/8"	13-3/4"	132
B67-666	GSZS603610	3	33,600	34,600	23.9	25	3/8"	7/8"	36-5/8"	27-3/8"	13-3/4"	137
B67-667	GSZS604210	3-1/2	39,500	40,000	34.4	35	3/8"	1-/8"*	37"	39"	12-5/8"	168
B67-668	GSZS604810	4	45,000	45,500	34.4	35	3/8"	1-/8"*	37"	39"	12-5/8"	168
B67-669	GSZS606010	5	53,000	54,500	36.2	40	3/8"	1-/8"*	37"	39"	12-5/8"	179

Goodman
Air Conditioning & Heating
ComfortBridge
CoolCloud



Heat Pumps

GSZV9 Series, 19.2 SEER2, Variable-Speed, Inverter Drive, Single-Phase, 2 to 5 Ton, R410A

- Variable-speed swing compressor
- Integrated communicating ComfortBridge™ Technology
- Commissioning and diagnostics via indoor board Bluetooth with the CoolCloud™ phone and tablet application
- DC outdoor fan motor
- Field-installed bi-flow filter drier
- Coil & ambient temperature sensor
- Suction pressure transducer (in cooling mode)
- Control algorithmic logic
- Wire fan discharge grille
- Steel louver coil guard
- Sweat connection service valves
- Top & side maintenance access
- Compressor sound blanket
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
B66-760	GSZV902410	2	23,200	23,000	15.2	20	3/8"	3/4"	35-1/2"	38-1/4"	35-1/2"	217	B18-926
B66-761	GSZV903610	3	34,200	34,200	29.8	30	3/8"	7/8"	35-1/2"	41-1/4"	35-1/2"	291	B18-927
B66-762	GSZV904810	4	45,000	44,500	29.8	30	3/8"	1-1/8"	35-1/2"	41-1/4"	35-1/2"	291	B18-928
B66-763	GSZV906010	5	52,500	52,500	30.6	35	3/8"	1-1/8"	35-1/2"	41-1/4"	35-1/2"	291	B18-929

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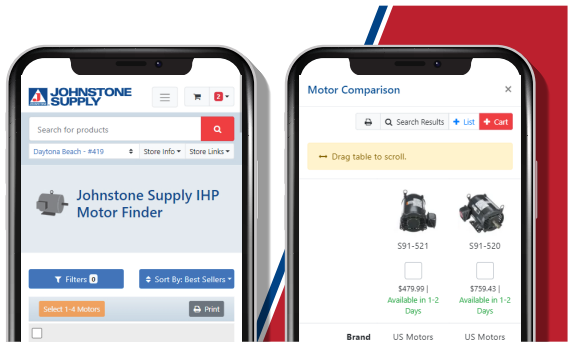

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Air Conditioning Condensing Units

GSX Series, 13, 14 and 16 SEER, Single-Phase, 1-1/2 to 5 Ton, R410A



- Energy efficient compressor
- Copper tube/enhanced aluminum fin coil
- Steel louver coil guard
- Factory installed filter-drier
- Service valves with sweat connections
- Contactor with lug connection
- 3/4" to 7/8" and 7/8" to 1-1/8" adapter required for suction line connections on 3-1/2 to 5 ton units
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV	Energy Star
13 SEER													
B98-344	GSX130181	1-1/2	18,000	8.2	15	3/8"	3/4"	23"	25-3/4"	23"	102	B18-099	—
B98-346	GSX130301	2-1/2	30,000	13.8	20	3/8"	3/4"	26"	27-1/2"	26"	138	B14-850	—
B98-347	GSX130361	3	36,800	18.8	30	3/8"	7/8"	26"	27-1/2"	26"	118	B14-850	—
B98-348	GSX130421	3-1/2	42,000	23.6	40	3/8"	1-1/8" *	29"	36-1/4"	29"	171	B14-851	—
B98-349	GSX130481	4	48,000	26.1	45	3/8"	1-1/8" *	29"	36-1/4"	29"	175	B14-851	—
B98-350	GSX130601	5	60,000	32.5	50	3/8"	1-1/8" *	29"	40"	29"	184	B14-851	—
14 SEER													
B61-450	GSX140181	1-1/2	18,000	8.2	15	3/8"	3/4"	23"	25-3/4"	23"	126	B18-099	—
B75-907	GSX140241	2	24,000	14.2	15	3/8"	3/4"	26"	27-1/2"	26"	131	B18-099	—
B75-908	GSX140301	2-1/2	30,000	17.1	25	3/8"	3/4"	29"	32-1/2"	29"	162	B14-850	—
B75-909	GSX140361	3	36,000	18.7	30	3/8"	7/8"	29"	32-1/2"	29"	162	B14-850	—
B75-910	GSX140421	3-1/2	42,000	22.0	35	3/8"	1-1/8" *	29"	36-1/4"	29"	189	B14-851	—
B75-911	GSX140481	4	48,000	26.4	45	3/8"	1-1/8" *	35-1/2"	36-1/4"	35-1/2"	220	B14-851	—
16 SEER													
B73-973	GSX160181	1-1/2	18,000	12.4	20	3/8"	3/4"	29"	32-1/4"	29"	145	B18-724	Y
B73-974	GSX160241	2	23,600	18.0	30	3/8"	3/4"	29"	32-1/4"	29"	142	B18-724	Y
B73-975	GSX160301	2-1/2	29,000	17.1	25	3/8"	7/8"	29"	36-1/4"	29"	149	B18-724	Y
B75-682	GSX160371	3	36,000	20.4	35	3/8"	7/8"	35-1/2"	36-1/4"	35-1/2"	182	B18-725	Y
B73-979	GSX160601	5	54,000	29.6	50	3/8"	7/8"	35-1/2"	38-1/4"	35-1/2"	279	B18-727	Y

Air Conditioning Condensing Units

GSXN3 Series, 13.4 SEER2, Single-Phase, 1-1/2 to 5 Ton, R410A



- Energy efficient compressor
- Copper tube/enhanced aluminum fin coil-5mm diameter
- Factory-installed filter drier
- Service valves with sweat connections
- Contactor with lug connection
- Ground lug connection
- Venturi for increased velocity of airflow
- Steel louver coil guard
- Fully charged for 15' of tubing length
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
B66-580	GSXN3N1810	1-1/2	18,000	8.3	15	3/8"	3/4"	26"	27"	26"	117	B18-099
B66-581	GSXN3N2410	2	24,000	11.2	15	3/8"	3/4"	26"	32-1/2"	26"	125	B18-099
B66-582	GSXN3N3010	2-1/2	30,000	16.1	25	3/8"	3/4"	26"	32-1/2"	26"	128	B14-850
B66-583	GSXN3N3610	3	36,000	18.6	30	3/8"	7/8"	26"	32-1/2"	26"	153	B14-850
B66-584	GSXN3N4210	3-1/2	42,000	23.1	40	3/8"	1-1/8"	29"	39-1/2"	29"	188	B14-851
B66-585	GSXN3N4810	4	48,000	24.4	40	3/8"	1-1/8"	29"	35-3/4"	29"	215	B14-851
B66-586	GSXN3N6010	5	60,000	33.3	50	3/8"	1-1/8"	35-1/2"	39-1/2"	35-1/2"	227	B14-851

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Air Conditioning & Heating



Air Conditioning Condensing Units

GSXB4, GSXM4 & GSXN4 Series, 14.3 SEER2, Single-Phase, 1-1/2 to 5 Ton, R410A

- Efficient compressor
- Copper tube/enhanced aluminum fin coil - 5mm diameter on 1.5-3T (GSXB & GSXM)/1.5 - 4T (GSXN) units
- Steel louver coil guard
- Factory installed filter-drier
- Service valves with sweat connections
- Contactor with lug connection
- Removable grille style top design
- 4 & 5 Ton units are 13.8 SEER2
- 3/4" to 7/8" adapter required for suction line
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV	Energy Star
14.3 SEER2 - Classic													
B65-949	GSXB401810	1-1/2	17,800	11.9	20	3/8"	3/4"	26"	32-1/2"	26"	144	B18-099	Y
B65-950	GSXB402410	2	23,600	15.3	25	3/8"	3/4"	29"	32"	29"	169	B18-099	Y
B65-951	GSXB403010	2-1/2	28,600	17.0	25	3/8"	7/8"	35-1/2"	39-1/2"	35-1/2"	224	B14-850	Y
B65-952	GSXB403610	3	34,600	18.6	30	3/8"	7/8"	35-1/2"	39-1/2"	35-1/2"	224	B14-850	Y
B65-953	GSXB404210	3-1/2	40,000	23.4	40	3/8"	7/8"	35-1/2"	36-1/2"	35-1/2"	282	B14-851	Y
B65-954	GSXB404810	4	45,500	26.2	45	3/8"	7/8"	35-1/2"	36-1/2"	35-1/2"	282	B14-851	Y
B65-955	GSXB406010	5	55,500	34.8	60	3/8"	7/8"	35-1/2"	41-5/8"	35-1/2"	305	B14-851	Y
14.3 SEER2 - Multi-Family													
B65-956	GSXM401810	1-1/2	17,600	11.9	20	3/8"	3/4"	26"	27"	26"	126	B18-099	—
B65-957	GSXM402410	2	23,600	15.4	25	3/8"	3/4"	29"	32"	29"	151	B18-099	—
B65-958	GSXM403010	2-1/2	28,400	17.0	25	3/8"	7/8"	35-1/2"	39-1/2"	35-1/2"	202	B14-850	—
B65-959	GSXM403610	3	34,400	18.6	30	3/8"	7/8"	35-1/2"	39-1/2"	35-1/2"	202	B14-850	—
14.3 SEER2 - Value													
B65-960	GSXN401810	1-1/2	17,600	8.3	15	3/8"	3/4"	26"	27"	26"	118	B18-099	—
B65-961	GSXN402410	2	23,000	11.2	15	3/8"	3/4"	26"	32-1/2"	26"	138	B18-099	—
B65-962	GSXN403010	2-1/2	28,600	15.5	25	3/8"	7/8"	29"	39-1/2"	35-1/2"	156	B14-850	—
B65-963	GSXN403610	3	34,800	21.0	35	3/8"	7/8"	35-1/2"	35-3/4"	35-1/2"	188	B14-850	—
B65-964	GSXN404210	3-1/2	39,500	23.1	40	3/8"	7/8"	35-1/2"	39-1/2"	35-1/2"	226	B14-851	—
B65-965	GSXN404810	4	45,500	26.2	45	3/8"	7/8"	35-1/2"	39-1/2"	35-1/2"	226	B14-851	—
B65-966	GSXN406010	5	55,000	33.3	50	3/8"	7/8"	35-1/2"	36-1/2"	35-1/2"	260	B14-851	—

Goodman
Air Conditioning & Heating



Air Conditioning Condensing Units

NEW

GLXS3B Series, 13.4 SEER2, Single-Phase, 1-1/2 To 5 Ton, R-32

- Energy efficient compressor
- Copper tube/enhanced aluminum fin coil-5mm diameter
- Factory-installed filter drier
- Service valves with sweat connections
- Contactor with lug connection
- Ground lug connection
- Venturi for increased velocity of airflow
- Steel louver coil guard
- Fully charged for 15' of tubing length
- 208/230V

Order #	Mfg. #	Nom. Tons	BtuH Cooling	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
B69-036 ◀	GLXS3BN1810	1-1/2	18,000	10.9	15	3/8"	3/4"	26"	27-1/2"	26"	114
B69-037 ◀	GLXS3BN2410	2	24,000	10.9	15	3/8"	3/4"	26"	27-1/2"	26"	114
B69-038 ◀	GLXS3BN3010	2-1/2	30,000	14.7	25	3/8"	3/4"	26"	32-1/2"	26"	134
B69-039 ◀	GLXS3BN3610	3	36,000	17.5	30	3/8"	7/8"	26"	32-1/2"	26"	136
B69-040 ◀	GLXS3BN4210	3-1/2	42,000	19.4	30	3/8"	1-1/8"	29"	35-3/4"	29"	180
B69-041 ◀	GLXS3BN4810	4	48,000	25.6	40	3/8"	1-1/8"	29"	39-1/2"	29"	188
B69-042 ◀	GLXS3BN6010	5	60,000	31.1	50	3/8"	1-1/8"	35-1/2"	39-1/2"	35-1/2"	229

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Air Conditioning Condensing Units

GSXH5 Series, 15.2 SEER2, Single-Phase, 1-1/2 to 5 Ton, R410A



- High-efficiency scroll compressor
- Copper tube/enhanced aluminum fin coil -5mm diameter on 1.5-3.0T units
- Steel louver coil guard
- Factory installed filter-drier
- Service valves with sweat connections
- Contactor with lug connection
- Removable grille style top design
- 3/4" to 7/8" adapter required for suction line
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
B65-679	GSXH501810	1-1/2	18,000	11.9	20	3/8"	3/4"	26"	27"	26"	126	B18-099
B65-680	GSXH502410	2	24,000	15.3	25	3/8"	3/4"	29"	32"	29"	151	B18-099
B65-681	GSXH503010	2-1/2	30,000	17.0	25	3/8"	7/8"	35-1/2"	39-1/2"	35-1/2"	202	B14-850
B65-682	GSXH503610	3	36,000	19.6	30	3/8"	7/8"	35-1/2"	39-1/2"	35-1/2"	202	B14-850
B65-683	GSXH504210	3-1/2	42,000	23.4	40	3/8"	7/8"	35-1/2"	36-1/2"	35-1/2"	260	B14-851
B65-684	GSXH504810	4	48,000	26.2	45	3/8"	7/8"	35-1/2"	36-1/2"	35-1/2"	260	B14-851
B65-685	GSXH506010	5	60,000	32.4	50	3/8"	7/8"	35-1/2"	41-5/8"	35-1/2"	283	B14-851

Air Conditioning Condensing Units

GSXC Series, 16 & 18 SEER, Two-Stage, Single-Phase, 2 to 5 Tons, R410A



- Two-stage scroll compressor
- Two-speed condenser fan motor
- Integrated communicating ComfortBridge™ Technology
- Commissioning and diagnostics via indoor board Bluetooth with the CoolCloud™ phone and tablet application
- Factory-installed filter drier
- Factory-installed transformer
- Factory-installed high and low-pressure switches
- High-density foam compressor sound blanket
- Copeland® ComfortAlert™ built in diagnostics
- Fully charged for 15' of tubing length
- Factory-installed sensors monitoring coil and ambient temperature
- Contactor with lug connection
- Service valves with sweat connections and easy-access gauge ports
- Sound control top design
- Wire fan discharge grille
- Single-panel access to controls with space for field-installed accessories
- 7/8" to 1-1/8" adapter required for suction line connections on 4 and 5 ton units
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV	Energy Star
16 SEER													
B61-603	GSXC160241	2	24,000	13.6	20	3/8"	3/4"	29-1/4"	32-1/2"	29-1/4"	180	B18-099	Y
B61-604	GSXC160361	3	36,000	19.7	30	3/8"	7/8"	35-3/4"	36-1/2"	35-3/4"	201	B14-850	Y
18 SEER													
B61-599	GSXC180241	2	24,000	15.3	25	3/8"	3/4"	35-3/4"	40"	35-3/4"	236	B18-099	Y
B61-600	GSXC180361	3	36,000	21.3	35	3/8"	7/8"	35-3/4"	40"	35-3/4"	238	B14-850	Y
B61-601	GSXC180481	4	48,000	28.3	45	3/8"	1-1/8"	35-3/4"	42-1/4"	35-3/4"	298	B14-851	Y
B61-602	GSXC180601	5	60,000	31.4	50	3/8"	1-1/8"	35-3/4"	42-1/4"	35-3/4"	326	B14-851	Y



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Air Conditioning Condensing Units

GSXC7 Series, 17.2 SEER2, Two-Stage, Single-Phase, 2 to 5 Ton, R410A



- Two-stage Copeland Ultra-Tech scroll compressor
- Two-speed ECM outdoor fan motor
- Integrated communicating ComfortBridge™ Technology
- Commissioning and diagnostics via onboard Bluetooth with the CoolCloud™ App
- Copeland® ComfortAlert™ built in diagnostics
- Copper tube/enhanced aluminum fin coil - 5mm on 2.0-3.0T
- Factory-installed filter drier
- Factory-installed transformer
- Factory-installed high and low-pressure switches
- High-density foam compressor sound blanket
- Fully charged for 15' of tubing length
- Ambient temperature sensors
- Removable grille style top design
- New venturi for improved airflow and less noise
- Steel louver coil guard
- Service valves with sweat connections
- 7/8" to 1-1/8" adapters required for suction line connections
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
B65-722	GSXC702410	2	24,000	15.3	25	3/8"	3/4"	35-1/2"	39-1/2"	35-1/2"	214	B18-099
B65-723	GSXC703610	3	36,000	24.1	40	3/8"	7/8"	35-1/2"	39-1/2"	35-1/2"	216	B14-850
B65-724	GSXC704810	4	48,000	28.3	45	3/8"	1-1/8"	35-1/2"	41-5/8"	35-1/2"	276	B14-851
B65-725	GSXC706010	5	60,000	34.8	60	3/8"	1-1/8"	35-1/2"	41-5/8"	35-1/2"	283	B14-851

Horizontal Discharge Air Conditioning Condensing Units

GSXS6 Series, 16.2 SEER2, Single-Phase, Variable-Speed, 1-1/2 To 5 Ton, R410A



- Variable-speed swing compressor
- High-density compressor sound blanket
- Compatible with Goodman connected thermostat and other Goodman communicating equipment
- Control algorithmic logic
- Diagnostic indicator lights, 7-segment LED display, and fault code storage
- Quiet digitally commutated fan motor
- Inside intelligence for diagnostics
- Field-installed bi-flow filter drier
- Coil and ambient temperature sensors
- Suction pressure transducer
- Sweat connection service valves
- Wire fan discharge grille
- Top and side maintenance access
- When properly anchored, meets the 2010 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available)
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
Southeast & North regions											
B67-652	GSXS6S1810	1-1/2	16,600	14.6	15	3/8"	3/4"	36-5/8"	27-3/8"	13-3/4"	119
B67-653	GSXS6S2410	2	22,200	18.8	20	3/8"	3/4"	36-5/8"	27-3/8"	13-3/4"	119
B67-654	GSXS6S3010	2-1/2	27,800	23.9	25	3/8"	7/8"	36-5/8"	27-3/8"	13-3/4"	129
B67-655	GSXS6S3610	3	33,600	23.9	25	3/8"	7/8"	36-5/8"	27-3/8"	13-3/4"	133
B67-656	GSXS6S4210	3-1/2	39,500	34.4	35	3/8"	1-1/8"	37"	39"	12-5/8"	163
B67-657	GSXS6S4810	4	45,000	34.4	35	3/8"	1-1/8"	37"	39"	12-5/8"	163
B67-658	GSXS6S6010	5	53,000	36.2	40	3/8"	1-1/8"	37"	39"	12-5/8"	174
All US regions											
B67-659	GSXS601810	1-1/2	16,600	14.6	15	3/8"	3/4"	36-5/8"	27-3/8"	13-3/4"	119
B67-660	GSXS602410	2	22,200	18.8	20	3/8"	3/4"	36-5/8"	27-3/8"	13-3/4"	119
B67-661	GSXS603010	2-1/2	27,800	23.9	25	3/8"	7/8"	36-5/8"	27-3/8"	13-3/4"	129
B67-662	GSXS603610	3	32,400	23.9	25	3/8"	7/8"	36-5/8"	27-3/8"	13-3/4"	133

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Air Conditioning Condensing Units

GSXV9 Series, 19.2 SEER2, Variable-Speed, Inverter Drive, Single-Phase, 2 to 5 Ton, R410A

- Variable-speed swing & scroll compressor
- Integrated communicating ComfortBridge™ Technology
- Commissioning and diagnostics via indoor board Bluetooth with the CoolCloud™ phone and tablet application
- Variable-speed DC outdoor fan motor
- Field-installed bi-flow filter drier
- Coil & ambient temperature sensor
- Control algorithmic logic
- Wire fan discharge grille
- Steel louver coil guard
- Sweat connection service valve
- Top & side maintenance access
- Compressor sound blanket
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines



Order #	Mfg. #	Nom. Tons	BtuH Cooling	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
B66-756	GSXV902410	2	22,600	15.2	20	3/8"	3/4"	35-1/2"	38-1/4"	35-1/2"	210	B18-926
B66-757	GSXV903610	3	32,800	20.6	25	3/8"	7/8"	35-1/2"	38-1/4"	35-1/2"	221	B18-927
B66-758	GSXV904810	4	45,000	30.1	35	3/8"	1-1/8"	35-1/2"	41-3/4"	35-1/2"	321	B18-928
B66-759	GSXV906010	5	52,000	31.1	35	3/8"	1-1/8"	35-1/2"	41-3/4"	35-1/2"	321	B18-929

ComfortNet™ Communicating Thermostat

High Definition

- Automatic configuration
- Advanced diagnostics
- Demand based modulation control
- Heat pump balance point
- Continuous fan speed (high, medium low)
- Commercial/residential selection option
- Humidification control
- Selectable tri-lingual language choices
- RedLINK™ accessory compatibility
- Wi-Fi remote equipment operation (with the use of the Honeywell Wireless Internet Gateway)
- Additional customizable service reminders
- Filter/UV lamp /humidifier pad maintenance reminder

Warning: This product contains lithium batteries and cannot be shipped by air



Order #	Mfg. #	For Use With		Height	Length
L46-610	CTK04AE	All ComfortNet Compatible ECM Based Furnaces, AH's & All Premium 2-Stage 16 & 18 SEER	Multi-Stage AC's & HP's	3-15/16"	6-13/16"



MUELLER STREAMLINE CO.



Standard Line Sets

- Designed for quick and easy installation of split system air conditioning systems
- Includes one length each of suction line and liquid line
- Purged with dry air, plugged for clean application
- Preinsulated suction line with 3 wall insulation choices
- Straight end design

Order #	Mfg. #	Wall Insulation	Liquid Line Size	Suction Line Size	Length
B75-235	61080250	3/8"	3/8"	5/8"	25'
B75-236	61080350	3/8"	3/8"	5/8"	35'
B75-237	61080500	3/8"	3/8"	5/8"	50'
B75-238	61280150	3/8"	3/8"	3/4"	15'
B75-284	61280200	3/8"	3/8"	3/4"	20'
B75-239	61280250	3/8"	3/8"	3/4"	25'
B75-285	61280300	3/8"	3/8"	3/4"	30'
B75-240	61280350	3/8"	3/8"	3/4"	35'
B75-286	61280400	3/8"	3/8"	3/4"	40'
B75-241	61280500	3/8"	3/8"	3/4"	50'
B75-287	61480150	3/8"	3/8"	7/8"	15'
B75-288	61480200	3/8"	3/8"	7/8"	20'
B75-242	61480250	3/8"	3/8"	7/8"	25'
B75-289	61480300	3/8"	3/8"	7/8"	30'
B75-243	61480350	3/8"	3/8"	7/8"	35'
B75-290	61480400	3/8"	3/8"	7/8"	40'
B75-244	61480500	3/8"	3/8"	7/8"	50'
B75-280	61880150	3/8"	3/8"	1-1/8"	15'
B75-281	61880200	3/8"	3/8"	1-1/8"	20'
B75-245	61880250	3/8"	3/8"	1-1/8"	25'
B75-282	61880300	3/8"	3/8"	1-1/8"	30'
B75-246	61880350	3/8"	3/8"	1-1/8"	35'
B75-283	61880400	3/8"	3/8"	1-1/8"	40'
B75-247	61880500	3/8"	3/8"	1-1/8"	50'
B75-249	81880500	3/8"	1/2"	1-1/8"	50'
B78-661	61020200	1/2"	3/8"	5/8"	20'
B75-250	61020250	1/2"	3/8"	5/8"	25'
B78-662	61020300	1/2"	3/8"	5/8"	30'
B75-251	61020350	1/2"	3/8"	5/8"	35'
B78-663	61020400	1/2"	3/8"	5/8"	40'
B75-252	61020500	1/2"	3/8"	5/8"	50'
B78-664	61020600	1/2"	3/8"	5/8"	60'
B75-253	61220150	1/2"	3/8"	3/4"	15'
B77-092	61220200	1/2"	3/8"	3/4"	20'
B75-254	61220250	1/2"	3/8"	3/4"	25'
B77-093	61220300	1/2"	3/8"	3/4"	30'
B75-255	61220350	1/2"	3/8"	3/4"	35'
B77-094	61220400	1/2"	3/8"	3/4"	40'
B75-256	61220500	1/2"	3/8"	3/4"	50'
B78-669	61220600	1/2"	3/8"	3/4"	60'
B77-095	61420150	1/2"	3/8"	7/8"	15'
B77-096	61420200	1/2"	3/8"	7/8"	20'
B75-257	61420250	1/2"	3/8"	7/8"	25'

Order #	Mfg. #	Wall Insulation	Liquid Line Size	Suction Line Size	Length
B77-097	61420300	1/2"	3/8"	7/8"	30'
B75-258	61420350	1/2"	3/8"	7/8"	35'
B77-098	61420400	1/2"	3/8"	7/8"	40'
B75-259	61420500	1/2"	3/8"	7/8"	50'
B78-674	61420600	1/2"	3/8"	7/8"	60'
B77-099	61820200	1/2"	3/8"	1-1/8"	20'
B75-260	61820250	1/2"	3/8"	1-1/8"	25'
B77-100	61820300	1/2"	3/8"	1-1/8"	30'
B75-261	61820350	1/2"	3/8"	1-1/8"	35'
B77-101	61820400	1/2"	3/8"	1-1/8"	40'
B75-262	61820500	1/2"	3/8"	1-1/8"	50'
B75-263	81820250	1/2"	1/2"	1-1/8"	25'
B75-264	81820500	1/2"	1/2"	1-1/8"	50'
B78-665	61030200	3/4"	3/8"	5/8"	20'
B75-265	61030250	3/4"	3/8"	5/8"	25'
B78-666	61030300	3/4"	3/8"	5/8"	30'
B75-266	61030350	3/4"	3/8"	5/8"	35'
B78-667	61030400	3/4"	3/8"	5/8"	40'
B75-267	61030500	3/4"	3/8"	5/8"	50'
B78-668	61030600	3/4"	3/8"	5/8"	60'
B75-268	61230150	3/4"	3/8"	3/4"	15'
B78-670	61230200	3/4"	3/8"	3/4"	20'
B75-269	61230250	3/4"	3/8"	3/4"	25'
B78-671	61230300	3/4"	3/8"	3/4"	30'
B75-270	61230350	3/4"	3/8"	3/4"	35'
B78-672	61230400	3/4"	3/8"	3/4"	40'
B75-271	61230500	3/4"	3/8"	3/4"	50'
B78-673	61230600	3/4"	3/8"	3/4"	60'
B78-675	61430200	3/4"	3/8"	7/8"	20'
B75-272	61430250	3/4"	3/8"	7/8"	25'
B78-676	61430300	3/4"	3/8"	7/8"	30'
B75-273	61430350	3/4"	3/8"	7/8"	35'
B78-677	61430400	3/4"	3/8"	7/8"	40'
B75-274	61430500	3/4"	3/8"	7/8"	50'
B78-678	61430600	3/4"	3/8"	7/8"	60'
B75-275	61830250	3/4"	3/8"	1-1/8"	25'
B78-680	61830300	3/4"	3/8"	1-1/8"	30'
B75-276	61830350	3/4"	3/8"	1-1/8"	35'
B78-681	61830400	3/4"	3/8"	1-1/8"	40'
B75-277	61830500	3/4"	3/8"	1-1/8"	50'
B75-278	81830250	3/4"	1/2"	1-1/8"	25'
B75-279	81830500	3/4"	1/2"	1-1/8"	50'

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Evaporator Coils

- All Aluminum evaporator coils
- CAPT models feature factory-installed thermal expansion valves for cooling and heat pump applications
- UV resistant drain pan
- Check flowrator for cooling and heat pump applications
- Split seam front
- Foil-faced insulation
- Engineered to match-up with SEER2 compliant Air Conditioners & Heat Pumps


A


B


C


D



E

Fig.	Order #	Mfg. #	Nom. Tons	Metering Device	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
CAUF Series - Uncased Upflow/Downflow										
A	**B76-087**	CAUF3137B6	2-1/2-3	Flowrater	3/8"	3/4"	16-1/2"	27"	20-1/8"	53
A	**B98-355**	CAUF3743C6	3–3-1/2	Flowrater	3/8"	7/8"	20"	28-1/16"	20-1/8"	46
A	**B98-356**	CAUF3743D6	3–3-1/2	Flowrater	3/8"	7/8"	23"	27-3/8"	20-1/8"	43
A	**B96-010**	CAUF4860C6	4–5	Flowrater	3/8"	7/8"	20"	28"	20-1/8"	48
A	**B96-024**	CAUF4860D6	4–5	Flowrater	3/8"	7/8"	23"	28"	20-1/8"	39
A	**B98-357**	CAUF4961C6	4–5	Flowrater	3/8"	7/8"	20"	28"	20-1/8"	54
A	**B98-358**	CAUF4961D6	4–5	Flowrater	3/8"	7/8"	23"	27"	20-1/8"	59
CAUFA Series - Uncased Upflow/Downflow - AlumaFin7										
B	**B62-042**	CAUFA1714A6	1-1/2	Flowrater	3/8"	3/4"	12-7/8"	11-1/4"	20"	16
B	**B62-043**	CAUFA1714B6	1-1/2	Flowrater	3/8"	3/4"	16-3/8"	11-1/8"	20"	18
B	**B61-871**	CAUFA1818A6	1-1/2	Flowrater	3/8"	3/4"	12-7/8"	14-5/8"	20"	18
B	**B68-823** ◄	CAUFA1818B6	1-1/2	Flowrater	3/8"	3/4"	16-3/8"	14-1/2"	20"	20
B	**B61-873**	CAUFA1818C6	1-1/2	Flowrater	3/8"	3/4"	19-7/8"	14-3/8"	20"	26
B	**B62-044**	CAUFA2318A6	2	Flowrater	3/8"	3/4"	12-7/8"	14-5/8"	20"	18
B	**B62-045**	CAUFA2318B6	2	Flowrater	3/8"	3/4"	16-3/8"	14/1/2"	20"	20
B	**B62-046**	CAUFA2318C6	2	Flowrater	3/8"	3/4"	19-7/8"	14-3/8"	20"	26
B	**B63-143**	CAUFA2418A6	2	Flowrater	3/8"	3/4"	12-7/8"	14-5/8"	20"	18
B	**B68-824** ◄	CAUFA2418B6	2	Flowrater	3/8"	3/4"	16-3/8"	14-1/2"	20"	20
B	**B63-145**	CAUFA2418C6	2	Flowrater	3/8"	3/4"	19-7/8"	14-3/8"	20"	26
B	**B61-874**	CAUFA2422A6	2	Flowrater	3/8"	3/4"	12-7/8"	18-1/8"	20"	26
B	**B68-825** ◄	CAUFA2422B6	2	Flowrater	3/8"	3/4"	16-3/8"	17-7/8"	20"	28
B	**B61-876**	CAUFA2422C6	2	Flowrater	3/8"	3/4"	19-7/8"	17-3/8"	20"	30
B	**B62-813**	CAUFA2922A6	2-1/2	Flowrater	3/8"	3/4"	12-7/8"	18-3/8"	20"	26
B	**B62-814**	CAUFA2922B6	2-1/2	Flowrater	3/8"	3/4"	16-3/8"	17-7/8"	20"	28
B	**B62-815**	CAUFA2922C6	2-1/2	Flowrater	3/8"	3/4"	19-7/8"	17-3/8"	20"	30
B	**B62-368**	CAUFA3022A6	2-1/2	Flowrater	3/8"	3/4"	12-7/8"	18/1/8"	20"	26
B	**B68-826** ◄	CAUFA3022B6	2-1/2	Flowrater	3/8"	3/4"	16-3/8"	17-7/8"	20"	28
B	**B61-878**	CAUFA3022C6	2-1/2	Flowrater	3/8"	3/4"	19-7/8"	17-7/8"	20"	30
B	**B61-879**	CAUFA3022D6	2-1/2	Flowrater	3/8"	3/4"	23-3/8"	17-1/4"	20"	32
B	**B63-616**	CAUFA3526B6	3	Flowrater	3/8"	7/8"	16-3/8"	21"	20"	30
B	**B63-617**	CAUFA3526C6	3	Flowrater	3/8"	7/8"	19-7/8"	20-3/4"	20"	31
B	**B68-827** ◄	CAUFA3626B6	3	Flowrater	3/8"	7/8"	16-3/8"	21"	20"	30
B	**B61-881**	CAUFA3626C6	3	Flowrater	3/8"	7/8"	19-7/8"	20-3/4"	20"	31
B	**B61-882**	CAUFA3626D6	3	Flowrater	3/8"	7/8"	23-3/8"	20-5/8"	20"	35
B	**B68-828**	CAUFA4226B6	3-1/2	Flowrater	3/8"	7/8"	16-3/8"	24-3/8"	20"	28
B	**B63-054**	CAUFA4226C6	3-1/2	Flowrater	3/8"	7/8"	19-7/8"	24"	20"	30
B	**B63-055**	CAUFA4226D6	3-1/2	Flowrater	3/8"	7/8"	23-3/8"	23-5/8"	20"	33
CAPF Series - Cased, Upflow/Downflow										
C	**B76-083**	CAPF3137B6	2-1/2-3	Flowrater	3/8"	3/4"	17-1/2"	30"	21-1/8"	53
C	**B98-351**	CAPF3743C6	3–3-1/2	Flowrater	3/8"	7/8"	21"	30"	21-1/8"	63
C	**B98-352**	CAPF3743D6	3–3-1/2	Flowrater	3/8"	7/8"	24-1/2"	30"	21-1/8"	75
C	**B96-018**	CAPF4860C6	4–5	Flowrater	3/8"	7/8"	21"	30"	21-1/8"	65
C	**B96-026**	CAPF4860D6	4–5	Flowrater	3/8"	7/8"	24-1/2"	30"	21-1/8"	68
C	**B98-353**	CAPF4961C6	4–5	Flowrater	3/8"	7/8"	21"	30"	21-1/8"	73
C	**B98-354**	CAPF4961D6	4–5	Flowrater	3/8"	7/8"	24-1/2"	30"	21-1/8"	76
CAPFA Series - Cased, Upflow/Downflow - AlumaFin7										
D	**B62-037**	CAPFA1714A6	1-1/2	Flowrater	3/8"	3/4"	14"	14"	21"	29
D	**B62-038**	CAPFA1714B6	1-1/2	Flowrater	3/8"	3/4"	17-1/2"	14"	21"	33
D	**B60-890**	CAPFA1818A6	1-1/2	Flowrater	3/8"	3/4"	14"	18"	21"	33
D	**B68-817** ◄	CAPFA1818B6	1-1/2	Flowrater	3/8"	3/4"	17-1/2"	18"	21"	38

continued on next page

Fig.	Order #	Mfg. #	Nom. Tons	Metering Device	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
D	**B61-859**	CAPFA1818C6	1-1/2	Flowrater	3/8"	3/4"	21"	18"	21"	43
D	**B62-039**	CAPFA2318A6	2	Flowrater	3/8"	3/4"	14"	18"	21"	33
D	**B62-040**	CAPFA2318B6	2	Flowrater	3/8"	3/4"	17-1/2"	18"	21"	38
D	**B62-041**	CAPFA2318C6	2	Flowrater	3/8"	3/4"	21"	18"	21"	43
D	**B61-860**	CAPFA2418A6	2	Flowrater	3/8"	3/4"	14"	18"	21"	33
D	**B68-818** ◂	CAPFA2418B6	2	Flowrater	3/8"	3/4"	17-1/2"	18"	21"	38
D	**B61-862**	CAPFA2418C6	2	Flowrater	3/8"	3/4"	21"	18"	21"	43
D	**B62-366**	CAPFA2422A6	2	Flowrater	3/8"	3/4"	14"	22"	21"	41
D	**B68-819** ◂	CAPFA2422B6	2	Flowrater	3/8"	3/4"	17-1/2"	22"	21"	45
D	**B61-864**	CAPFA2422C6	2	Flowrater	3/8"	3/4"	21"	22"	21"	50
D	**B62-816**	CAPFA2922A6	2-1/2	Flowrater	3/8"	3/4"	14"	22"	21"	41
D	**B62-817**	CAPFA2922B6	2-1/2	Flowrater	3/8"	3/4"	17-1/2"	22"	21"	45
D	**B62-818**	CAPFA2922C6	2-1/2	Flowrater	3/8"	3/4"	21"	22"	21"	50
D	**B62-367**	CAPFA3022A6	2-1/2	Flowrater	3/8"	3/4"	14"	22"	21"	41
D	**B68-820** ◂	CAPFA3022B6	2-1/2	Flowrater	3/8"	3/4"	17-1/2"	22"	21"	45
D	**B61-866**	CAPFA3022C6	2-1/2	Flowrater	3/8"	3/4"	21"	22"	21"	50
D	**B61-867**	CAPFA3022D6	2-1/2	Flowrater	3/8"	3/4"	24-1/2"	22"	21"	52
D	**B63-614**	CAPFA3526B6	3	Flowrater	3/8"	7/8"	17-1/2"	26"	21"	47
D	**B63-615**	CAPFA3526C6	3	Flowrater	3/8"	7/8"	21"	26"	21"	49
D	**B68-821** ◂	CAPFA3626B6	3	Flowrater	3/8"	7/8"	17-1/2"	26"	21"	47
D	**B61-869**	CAPFA3626C6	3	Flowrater	3/8"	7/8"	21"	26"	21"	49
D	**B61-870**	CAPFA3626D6	3	Flowrater	3/8"	7/8"	24-1/2"	26"	21"	56
D	**B68-822** ◂	CAPFA4226B6	3-1/2	Flowrater	3/8"	7/8"	17-1/2"	26"	21"	51
D	**B63-051**	CAPFA4226C6	3-1/2	Flowrater	3/8"	7/8"	21"	26"	21"	54
D	**B63-052**	CAPFA4226D6	3-1/2	Flowrater	3/8"	7/8"	24-1/2"	26"	21"	59
CAPT Series - Cased, Upflow/Downflow, with TXV										
E	**B73-816**	CAPT3131B4	2-1/2	TXV	3/8"	3/4"	17-1/2"	22"	21"	46
E	**B73-817**	CAPT3131C4	2-1/2	TXV	3/8"	3/4"	21"	22"	21"	50
E	**B73-819**	CAPT3743D4	3-3-1/2	TXV	3/8"	7/8"	24-1/2"	30"	21"	75
E	**B73-820**	CAPT4961C4	4-5	TXV	3/8"	7/8"	21"	30"	21"	73
E	**B73-821**	CAPT4961D4	4-5	TXV	3/8"	7/8"	24-1/2"	30"	21"	76
CAPTA Series, Cased, Upflow/Downflow with TXV - AlumaFin7										
D	**B65-261**	CAPTA1818A4	1-1/2	TXV	3/8"	3/4"	14"	18"	21"	36
D	**B68-814** ◂	CAPTA1818B4	1-1/2	TXV	3/8"	3/4"	17-1/2"	18"	21"	41
D	**B65-263**	CAPTA2422A4	2	TXV	3/8"	3/4"	14"	22"	21"	44
D	**B68-815** ◂	CAPTA2422B4	1-1/2–2	TXV	3/8"	3/4"	17-1/2"	22"	21"	48
D	**B65-265**	CAPTA2422C4	1-1/2–2	TXV	3/8"	3/4"	21"	22"	21"	53
D	**B65-266**	CAPTA3022A4	2-1/2	TXV	3/8"	3/4"	14"	22"	21"	44
D	**B68-816** ◂	CAPTA3022B4	2-2-1/2	TXV	3/8"	3/4"	17-1/2"	22"	21"	48
D	**B65-268**	CAPTA3022C4	2-2-1/2	TXV	3/8"	3/4"	21"	22"	21"	53
D	**B68-813** ◂	CAPTA3026B4	2-2-1/2	TXV	3/8"	7/8"	17-1/2"	26"	21"	50
D	**B65-270**	CAPTA3026C4	2-2-1/2	TXV	3/8"	7/8"	21"	26"	21"	52
D	**B65-271**	CAPTA3626B4	2-1/2-3	TXV	3/8"	7/8"	17-1/2"	26"	21"	54
D	**B65-272**	CAPTA3626C4	2-1/2-3	TXV	3/8"	7/8"	21"	26"	21"	57
D	**B65-273**	CAPTA4230C4	3–3-1/2	TXV	3/8"	7/8"	21"	30"	21"	63
D	**B65-274**	CAPTA4230D4	3–3-1/2	TXV	3/8"	7/8"	24-1/2"	30"	21"	66
CAPEA Series - Cased, Upflow/Downflow, with EEV										
F	**B68-810** ◂	CAPEA1818B4	1-1/2	—	3/8"	3/4"	17-1/2"	18"	21"	43
F	**B68-811** ◂	CAPEA2422B4	2	—	3/8"	3/4"	17-1/2"	22"	21"	48
F	**B68-812** ◂	CAPEA3026B4	2-1/2	—	3/8"	3/4"	17-1/2"	26"	21"	54
CHPF Series - Cased, Horizontal										
G	**B96-019**	CHPF1824A6	1-1/2–2	Flowrater	3/8"	3/4"	26"	14"	21-1/8"	36
G	**B96-020**	CHPF2430B6	2-2-1/2	Flowrater	3/8"	3/4"	26"	17-1/2"	21-1/8"	55
G	**B95-997**	CHPF3636B6	3	Flowrater	3/8"	3/4"	26"	17-1/2"	21-1/8"	50
G	**B96-032**	CHPF3642C6	3–3-1/2	Flowrater	3/8"	3/4"	26"	21"	21-1/8"	63
G	**B96-022**	CHPF4860D6	4–5	Flowrater	3/8"	7/8"	26"	24-1/2"	21-1/8"	77
CHPTA Series, Cased Horizontal with TXV - AlumaFin7										
H	**B65-570**	CHPTA1822B4	1-1/2	TXV	3/8"	3/4"	22"	17-1/2"	21"	52
H	**B65-571**	CHPTA2426B4	2	TXV	3/8"	7/8"	26"	17-1/2"	21"	57
H	**B65-572**	CHPTA2426C4	2	TXV	3/8"	7/8"	26"	21"	21"	59
H	**B65-573**	CHPTA3026B4	2-1/2	TXV	3/8"	7/8"	26"	17-1/2"	21"	61
H	**B65-574**	CHPTA3026C4	2-1/2	TXV	3/8"	7/8"	26"	21"	21"	64
H	**B65-575**	CHPTA3630B4	3	TXV	3/8"	7/8"	30"	17-1/2"	21"	66
H	**B65-576**	CHPTA3630C4	3	TXV	3/8"	7/8"	30"	21"	21"	70
H	**B65-577**	CHPT4860D4	4	TXV	3/8"	7/8"	26"	24-1/2"	21-1/8"	81
Horizontal Slab Coils										
I	**B95-998**	CSCF1824N6	1-1/2–2	Flowrater	3/8"	3/4"	12"	25"	25-1/2"	43
I	**B95-999**	CSCF3036N6	2-1/2-3	Flowrater	3/8"	7/8"	12"	25"	33-1/2"	52.5
I	**B96-002**	CSCF3642N6	3–3-1/2	Flowrater	3/8"	7/8"	12"	25"	39-1/2"	43
I	**B96-001**	CSCF4860N6	4–5	Flowrater	3/8"	7/8"	12"	25"	39-1/2"	60

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Air Handlers

◀ NEW

AHVE Series, Horizontal Discharge Compatible, Variable-Speed, ECM



- Electronic Expansion Valve (EEV) for cooling & heat pump applications
- Variable-speed ECM blower motor
- 7mm evaporator coil tube size
- All-aluminum evaporator coil
- Compatible with Amana® brand smart thermostat
- Horizontal or vertical configuration capabilities
- CFM indicator
- Fault recall of 6 most recent faults
- Improved humidity & comfort control
- Coil mounting track for quick repositioning
- Rigid SmartFrame™ cabinet
- Foil faced insulation covers the internal casing
- Tool-less filter access
- 115V & 208/230V

Order #	Mfg. #	Nom. Tons	CFM @ 0.5" ESP	CFM High @ 0.3 ESP	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
115V												
L62-509 ◀	AHVE24BP0400	2	800	800	7.1	15	3/8"	3/4"	17-1/2"	45"	21"	115
L62-510 ◀	AHVE36CP0400	3	1,260	1,260	10.4	15	3/8"	7/8"	21"	53-7/16"	21"	140
L62-511 ◀	AHVE42CP0400	3-1/2	1,320	1,320	10.4	15	3/8"	7/8"	21"	53-7/16"	21"	140
L62-512 ◀	AHVE48DP0400	4	1,380	1,380	10.4	15	3/8"	7/8"	24-1/2"	53-7/16"	21"	150
L62-513 ◀	AHVE60DP0400	5	1,640	1,640	10.4	15	3/8"	7/8"	24-1/2"	58"	21"	167
208/230V												
L62-455	AHVE24BP1400	2	800	800	4.9	15	3/8"	3/4"	17-1/2"	45"	21"	115
L62-456	AHVE36CP1400	3	1,260	1,260	6.5	15	3/8"	7/8"	21"	53-7/16"	21"	140
L62-457	AHVE42CP1400	3-1/2	1,320	1,320	6.5	15	3/8"	7/8"	21"	53-7/16"	21"	140
L62-458	AHVE48DP1400	4	1,380	1,380	65	15	3/8"	7/8"	24-1/2"	53-7/16"	21"	150
L62-459	AHVE60DP1400	5	1,640	1,640	6.5	15	3/8"	7/8"	24-1/2"	58"	21"	167

Air Handlers

AMVE Series, Multi-Position, Variable-Speed, ECM



- Electronic Expansion Valve (EEV) for cooling & heat pump applications
- Variable-speed ECM blower motor
- All-aluminum evaporator coil
- Integrated communicating ComfortBridge™ technology
- Commissioning and diagnostics via on board Bluetooth with the CoolCloud™ phone & tablet application
- Horizontal or vertical configuration capabilities
- CFM indicator
- Fault recall of 6 most recent faults
- Improved humidity & comfort control
- Foil faced insulation covers the internal casing
- Tool-less filter access
- 208/230V

Order #	Mfg. #	Nom. Tons	Nom. CFM	CFM @ 0.5" ESP	CFM High @ 0.3 ESP	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
L62-460	AMVE24BP1400	2	600	680	690	4.9	15	3/8"	3/4"	17-1/2"	53-7/16"	21"	128
L62-461	AMVE36CP1400	3	800	1,145	1,165	6.5	15	3/8"	7/8"	21"	53-7/16"	21"	150
L62-462	AMVE48DP1400	4	1,350	1,405	1,430	8.6	15	3/8"	7/8"	24-1/2"	53-7/16"	21"	160
L62-463	AMVE60DP1400	5	1,600	1,630	1,640	8.6	15	3/8"	7/8"	24-1/2"	58"	21"	177

Air Handlers

ARUF Series, Multi-Position, Multi-Speed, PSC



- Rigid SmartFrame™ cabinet
- All-aluminum evaporator coil
- Direct-drive, multi-speed PSC motor
- Transformer and blower time-delay
- Check flowrater expansion device for cooling-only and heat pump applications
- Easy single-bulb UV light compatibility
- Screw-less sides & back prevents condensation
- Multi-position capability: upflow, downflow,horizontal or vertical
- HKS heat kits sold separately
- 208/240V

Order #	Mfg. #	Nom. Tons	Nom. CFM	CFM @ 0.5" ESP	CFM High @ 0.3 ESP	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
L93-327	ARUF25B14	2	965	965	1,045	2.2	15	3/8"	3/4"	17-1/2"	45"	21"	100
L93-328	ARUF29B14	2	965	965	1,020	2.2	15	3/8"	3/4"	17-1/2"	45"	21"	100
L93-329	ARUF31B14	2-1/2	990	990	1,020	2.2	15	3/8"	7/8"	17-1/2"	53-7/16"	21"	110
L93-330	ARUF37C14	3	1,375	1,375	1,385	3.6	15	3/8"	7/8"	21"	53-7/16"	21"	130
L93-331	ARUF37D14	3	1,555	1,555	1,385	3.6	15	3/8"	7/8"	24-1/2"	53-7/16"	21"	140
L93-332	ARUF43C14	3-1/2	1,375	1,375	1,515	3.6	15	3/8"	7/8"	21"	53-7/16"	21"	130
L93-333	ARUF43D14	3-1/2	1,540	1,540	1,515	4	15	3/8"	7/8"	24-1/2"	53-7/16"	21"	145
L93-334	ARUF47D14	3-1/2	1,635	1,635	1,515	4	15	3/8"	7/8"	24-1/2"	58"	21"	150
L93-335	ARUF49C14	4	1,425	1,425	1,810	4	15	3/8"	7/8"	21"	53-7/16"	21"	135
L93-336	ARUF49D14	4	1,540	1,540	1,810	4	15	3/8"	7/8"	24-1/2"	53-7/16"	21"	145
L93-337	ARUF61D14	5	1,965	1,965	2,100	6	15	3/8"	7/8"	24-1/2"	58"	21"	155

Air Handlers

ASPT Series, Multi-Position, Multi-Speed, ECM



- Rigid SmartFrame™ cabinet
- Direct-drive, multi-speed ECM motor
- Internal factory-mounted TXV valve
- Horizontal or vertical configuration capabilities
- All-Aluminum coil
- Thermoplastic drain pan with secondary drain connections
- Cabinet air leakage less than 2.0% at 1.0 inch H2O when tested in accordance with ASHRAE standard 193
- Foil-faced insulation
- Heat kits sold separately
- 208/240V

Order #	Mfg. #	Nom. Tons	Nom. CFM	CFM @ 0.5" ESP	CFM High @ 0.3 ESP	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
L93-467	ASPT25B14	2	1,400	1,335	1,400	5.8	15	3/8"	3/4"	17-1/2"	45"	21"	116
L93-468	ASPT29B14	2	1,430	1,385	1,430	5.8	15	3/8"	7/8"	17-1/2"	53-1/2"	21"	129
L93-888	ASPT33C14	2	1,475	1,395	1,475	4.9	15	3/8"	7/8"	21"	49"	21"	118
L93-949	ASPT35B14	3	1,415	1,155	1,230	5.6	15	3/8"	3/4"	17-1/2"	45"	21"	129
L93-469	ASPT37B14	3	1,415	1,355	1,415	5.6	15	3/8"	7/8"	17-1/2"	53-1/2"	21"	129
L93-470	ASPT37C14	3	1,510	1,240	1,510	5.6	15	3/8"	7/8"	21"	53-1/2"	21"	144
L93-889	ASPT39C14	3	1,475	1,395	1,475	7.1	15	3/8"	7/8"	21"	49"	21"	118
L93-471	ASPT47C14	4	1,435	1,360	1,435	5.6	15	3/8"	7/8"	21"	53-1/2"	21"	144
L93-472	ASPT47D14	4	1,625	1,540	1,625	5.6	15	3/8"	7/8"	24-1/2"	53-1/2"	21"	155
L93-890	ASPT49C14	4	1,625	1,555	1,625	5.6	15	3/8"	7/8"	21"	49"	21"	125
L93-473	ASPT49D14	4	2,210	2,040	2,120	8.6	15	3/8"	7/8"	24-1/2"	58"	21"	167
L93-474	ASPT59C14	5	1,775	1,605	1,775	7.9	15	3/8"	7/8"	21"	53-1/2"	21"	144

High Efficiency Air Handlers

AMST Series, Multi-Position, TXV, ECM



- Rigid SmartFrame™ cabinet
- Direct drive, multi-speed ECM blower motor
- All-aluminum evaporator coil
- Internal factory-installed TXV for cooling & heat pump applications
- Horizontal or vertical configuration capabilities
- Coil mounting track for quick repositioning
- Thermoplastic drain pan with secondary drain connections
- Cabinet air leakage less than 2.0% at 1.0 inch H⅞O when tested in accordance with ASHRAE standard 193
- Foil-faced insulation
- Field installed heat kits sold separately
- 208/240V

Order #	Mfg. #	Nom. Tons	CFM @ 0.5" ESP	CFM High @ 0.3 ESP	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
L62-472	AMST24BU1400	2	1,105	1,155	5.8	15	3/8"	3/4"	17-9/16"	45"	21"	112
L62-473	AMST30BU1400	2-1/2	860	925	5.6	15	3/8"	3/4"	17-9/16"	53-7/16"	21"	129
L62-474	AMST36BU1400	3	860	925	5.6	15	3/8"	3/4"	17-9/16"	53-7/16"	21"	129
L62-475	AMST36CU1400	3	1,390	1,470	7.1	15	3/8"	3/4"	21-1/8"	49"	21"	153
L62-476	AMST42CU1400	3-1/2	1,365	1,425	5.9	15	3/8"	3/4"	21-1/8"	53-7/16"	21"	153
L62-477	AMST48CU1400	4	1,130	1,230	7.1	15	3/8"	7/8"	21-1/8"	58"	21"	153
L62-478	AMST48DU1400	4	1,450	1,525	8.6	15	3/8"	7/8"	24-5/8"	53-7/16"	21"	155
L62-479	AMST60DU1400	5	1,815	1,895	8.6	15	3/8"	7/8"	24-5/8"	58"	21"	167

High Efficiency Air Handlers

AMVT Series, Multi-Position, Variable-Speed, ECM



- Integrated communicating ComfortBridge™ Technology
- Commissioning and diagnostics via on board Bluetooth with the CoolCloud phone and tablet application
- Factory-installed TXV for cooling and heat pump applications
- Variable-speed ECM blower motor
- CFM indicator
- All-aluminum evaporator coil
- Fault recall of 6 most recent faults
- Auto configuration of the airflow and tonnage in communicating mode
- Rigid SmartFrame™ cabinet
- DecaBDE-free thermoplastic drain pan with secondary drain connections
- Foil faced insulation covers
- HKSX heat kits sold separately
- 208/240V

Order #	Mfg. #	Nom. Tons	Nom. CFM	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
L62-464	AMVT24BP1400	2	800	4.9	15	3/8"	3/4"	17-1/2"	45"	21"	117
L62-465	AMVT30BP1400	2-1/2	1,000	4.9	15	3/8"	3/4"	17-1/2"	53-7/16"	21"	134
L62-466	AMVT36BP1400	3	1,200	6.5	15	3/8"	3/4"	17-1/2"	53-7/16"	21"	134
L62-467	AMVT36CP1400	3	1,200	6.5	15	3/8"	3/4"	21"	49"	21"	158
L62-468	AMVT42CP1400	3-1/2	1,400	6.5	15	3/8"	3/4"	21"	53-7/16"	21"	158
L62-469	AMVT48CP1400	4	1,600	6.5	15	3/8"	7/8"	21"	58"	21"	158
L62-470	AMVT48DP1400	4	1,600	8.6	15	3/8"	7/8"	24-1/2"	53-7/16"	21"	160
L62-471	AMVT60DP1400	5	2,000	8.6	15	3/8"	7/8"	24-1/2"	58"	21"	172

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High Efficiency Air Handlers

◀ NEW

AMST Series, Multi-Position, TXV, ECM

- Optimized for use with R-32 refrigerant
- Rigid SmartFrame™ cabinet
- Direct drive, multi-speed ECM blower motor
- All-aluminum evaporator coil
- Internal factory-installed TXV for cooling & heat pump applications
- Horizontal or vertical configuration capabilities
- Coil mounting track for quick repositioning
- DecaBDE-free thermoplastic drain pan with secondary drain connections
- 21" depth for easier attic access
- Cabinet air leakage less than 2.0% at 1.0 inch H⁷⁄₈O when tested in accordance with ASHRAE standard 193
- Foil-faced insulation
- Field installed heat kits sold separately
- 208/240V



Order #	Mfg. #
L62-743 ◀	AMST48DU1300

High Efficiency Air Handlers

AVPTC Series, Multi-Position, Variable-Speed, ECM

- ComfortNet™ communicating systems compatible
- Factory-installed TXV for cooling and heat pump applications
- Variable-speed ECM blower motor
- All-aluminum evaporator coil
- CFM indicator
- Fault recall of 6 most recent faults
- Auto configuration of the airflow and tonnage
- CFM indicator
- DecaBDE-free thermoplastic drain pan with secondary drain connections
- Foil faced insulation covers
- HKSX heat kits sold separately
- 208/240V



Order #	Mfg. #	Nom. Tons	Nom. CFM	CFM @ 0.5" ESP	CFM High @ 0.3 ESP	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
L95-209	AVPTC25B14	2	1,085	1,065	1,085	4.9	15	3/8"	3/4"	17-1/2"	45"	21"	116
L95-210	AVPTC29B14	2-1/2	1,085	1,080	1,085	6.5	15	3/8"	7/8"	17-1/2"	53-7/16"	21"	129
L95-211	AVPTC31C14	2-1/2	1,315	1,300	1,360	6.5	15	3/8"	7/8"	21"	53-7/16"	21"	144
L95-214	AVPTC37B14	2.5-3.5	1,085	1,080	1,085	6.5	15	3/8"	7/8"	17-1/2"	53-7/16"	21"	129
L95-215	AVPTC37C14	2.5-3.5	1,315	1,300	1,360	6.5	15	3/8"	7/8"	21"	53-7/16"	21"	144
L95-216	AVPTC37D14	2.5-3.5	1,375	1,365	1,405	6.5	15	3/8"	7/8"	24-1/2"	53-7/16"	21"	155
L95-217	AVPTC39C14	3	1,315	1,310	1,315	6.5	15	3/8"	7/8"	21"	49"	21"	118
L95-218	AVPTC49C14	4	1,420	1,415	1,420	6.5	15	3/8"	7/8"	21"	49"	21"	125
L95-219	AVPTC49D14	4	1,530	1,530	1,530	6.5	15	3/8"	7/8"	24-1/2"	58"	21"	167
L95-220	AVPTC59C14	4-5	1,595	1,585	1,595	8.6	15	3/8"	7/8"	21"	53-7/16"	21"	144
L95-221	AVPTC59D14	4-5	1,990	1,985	1,990	8.6	15	3/8"	7/8"	24-1/2"	53-7/16"	21"	155
L95-222	AVPTC61D14	5	2,025	2,020	2,025	8.6	15	3/8"	7/8"	24-1/2"	58"	21"	167

Air Handlers

AVPEC Series, Multi-Position, Variable-Speed, ECM

- Electronic Expansion Valve (EEV) for cooling and heat pump applications
- Variable-speed ECM blower motor
- ComfortNet™ Communicating System compatible
- CFM indicator
- All-aluminum evaporator coil
- Fault recall of 6 most recent faults
- Horizontal or vertical configuration capabilities
- Foil-faced insulation covers the internal
- Tool-less filter access
- 3 kW – 25 kW electric heater kits
- 208/230V



Order #	Mfg. #	Nom. CFM	CFM @ 0.5" ESP	CFM High @ 0.3 ESP	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
L60-627	AVPEC25B14	600	680	690	4.9	15	3/8"	3/4"	17-1/2"	53-7-16"	21"	128
L60-628	AVPEC37C14	800	1,145	1,165	6.5	15	3/8"	7/8"	21"	53-7-16"	21"	150
L60-629	AVPEC59D14	1,350	1,405	1,430	8.6	15	3/8"	7/8"	24-1/2"	53-7-16"	21"	160
L60-630	AVPEC61D14	1,600	1,630	1,640	8.6	15	3/8"	7/8"	24-1/2"	58"	21"	177

Goodman
Air Conditioning & Heating



Vertical Wall Mount Air Handlers

AWUF & AWUT Series, With Electric Heat

- For use with refrigerants R410A and R22
- Multi-speed ECM motor for AWUF19-25-31-32-37
- Multi-speed PSC for AWUF18-24-30-36
- Check flowrater for cooling only and heat pump application
- Circuit breaker disconnect
- Thermoplastic drain pan with primary/secondary drain connections
- Sequence controlled and rust resistant heating elements
- Aluminum tubing coils
- 1-1/2 & 2 Ton units: front and bottom return
- 2-1/2 & 3 Ton units: front return only
- Built-in filter rack with filter included
- Wall hanging bracket included
- 208/240V

Order #	Mfg. #	Nom. Tons	Nom. kW	Nom. CFM	CFM @ 0.5" ESP	Min. Circuit Amps	Amps @ 240V	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
Florwrator														
L98-923	AWUF180516	1-1/2	5.0	545	545	26.6	26.6	25	3/8"	5/8"	20-3/16"	36"	16-1/8"	84
L98-924	AWUF180816	1-1/2	8.0	545	545	39.6	39.6	35	3/8"	5/8"	20-3/16"	36"	16-1/8"	84
L93-455	AWUF190516	1-1/2	5.0	800	800	28.3	30.0	25	3/8"	5/8"	20-3/16"	36"	16-1/8"	84
L93-456	AWUF190816	1-1/2	8.0	800	800	41.3	45.0	40	3/8"	5/8"	20-3/16"	36"	16-1/8"	84
L98-925	AWUF240516	2	5.0	760	760	26.6	26.6	25	3/8"	5/8"	20-3/16"	36"	16-1/8"	84
L98-926	AWUF240816	2	8.0	760	760	39.6	39.6	35	3/8"	5/8"	20-3/16"	36"	16-1/8"	84
L98-927	AWUF241016	2	10.0	760	760	52.7	52.7	50	3/8"	5/8"	20-3/16"	36"	16-1/8"	84
L93-458	AWUF250516	2	5.0	800	800	28.3	30.0	25	3/8"	5/8"	20-3/16"	36"	16-1/8"	84
L93-459	AWUF250816	2	8.0	800	800	41.3	45.0	40	3/8"	5/8"	20-3/16"	36"	16-1/8"	84
L93-460	AWUF251016	2	10.0	800	800	54.3	60.0	50	3/8"	5/8"	20-3/16"	36"	16-1/8"	84
L98-929	AWUF300816	2-1/2	8.0	950	950	40.0	40.0	35	3/8"	3/4"	24"	36"	21"	109
L98-930	AWUF301016	2-1/2	10.0	950	950	53.0	53.0	50	3/8"	3/4"	24"	36"	21"	109
L90-115	AWUF310516	2-1/2	5.0	985	765	30.1	30.1	30	3/8"	3/4"	24"	36"	21"	109
L90-116	AWUF310816	2-1/2	8.0	985	985	43.1	43.1	40	3/8"	3/4"	24"	36"	21"	109
L90-117	AWUF321016	2-1/2	10.0	985	985	56.2	56.2	50	3/8"	3/4"	24"	36"	21"	109
L98-933	AWUF361016	3	10.0	890	890	53.0	53.0	50	3/8"	3/4"	24"	36"	21"	96
L99-221	AWUF370816	3	8.0	955	955	43.1	43.1	40	3/8"	3/4"	24"	36"	21"	96
L99-222	AWUF371016	3	10.0	955	955	56.2	56.2	50	3/8"	3/4"	24"	36"	21"	96
TXV														
L95-791	AWUT241014	2	10.0	900	603	46.0	60.0	60	3/8"	5/8"	20-1/4"	36"	16-1/8"	84
L94-079	AWUT310516	2-1/2	5.0	985	890	26.5	30.0	30	3/8"	3/4"	24"	36"	21"	109
L94-080	AWUT310816	2-1/2	8.0	985	985	37.8	45.0	40	3/8"	3/4"	24"	36"	21"	109

Goodman
Air Conditioning & Heating



Wall Mount Air Handlers

AWSF Series, Flowrater, With Electric Heat

- Direct-drive, multi-speed motor
- Aluminum tubing coils
- Factory-installed pull-type disconnect
- Thermoplastic drain pan with bottom primary and secondary drain connections
- Built-in filter rack (filter included)
- Large chassis (2½- and 3-ton units) - front return only
- Small chassis (1½- and 2-ton units) - front or bottom return
- Sequence-controlled, rust-resistant nickel chromium heating elements of 5, 8, and 10 kW
- 208/230V

Order #	Mfg. #	Nom. Tons	Nom. kW	CFM @ 0.5" ESP	CFM High @ 0.3 ESP	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
20-1/4" Width													
L60-875	AWSF18SU1605	1-1/2	5	756	800	24.9	25	3/8"	3/4"	20-1/4"	36"	16-1/8"	84
L60-876	AWSF18SU1608	1-1/2	8	756	800	36.0	40	3/8"	3/4"	20-1/4"	36"	16-1/8"	84
L60-877	AWSF24SU1605	2	5	756	800	24.9	25	3/8"	3/4"	20-1/4"	36"	16-1/8"	84
L60-878	AWSF24SU1608	2	8	756	800	36.0	40	3/8"	3/4"	20-1/4"	36"	16-1/8"	84
L60-879	AWSF24SU1610	2	10	756	800	46.6	50	3/8"	3/4"	20-1/4"	36"	16-1/8"	84
L60-880	AWSF30LU1605	2-1/2	5	1,005	1,083	26.0	30	3/8"	3/4"	24"	36"	21"	109
24" Width													
L60-881	AWSF30LU1608	2-1/2	8	1,005	1,083	37.7	40	3/8"	3/4"	24"	36"	21"	109
L60-882	AWSF30LU1610	2-1/2	10	1,005	1,083	48.0	50	3/8"	3/4"	24"	36"	21"	109
L60-883	AWSF36LU1605	3	5	1,230	1,329	26.0	30	3/8"	3/4"	24"	36"	21"	109
L60-884	AWSF36LU1608	3	8	1,230	1,329	37.7	40	3/8"	3/4"	24"	36"	21"	109
L60-885	AWSF36LU1610	3	10	1,230	1,329	48.0	50	3/8"	3/4"	24"	36"	21"	109

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Vertical Wall Mount Air Handlers

AWST Series, TXV, With Electric Heat

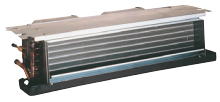
- Factory installed TXV
- Direct-drive, multi-speed ECM motor
- Aluminum tubing coils
- Factory-installed pull-type disconnect
- Thermoplastic drain pan with primary/secondary drain connections
- Sequence controlled and rust resistant heating elements
- Aluminum tubing coils
- Built-in filter rack with filter included
- Wall hanging bracket included
- 208/230V



Order #	Mfg. #	Nom. Tons	Nom. kW	CFM @ 0.5" ESP	CFM High @ 0.3 ESP	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
L62-480	AWST18SU1403	1-1/2	3.0	756	800	17.0	20	3/8"	5/8"	20-3/16"	36"	16-1/8"	84
L62-481	AWST18SU1405	1-1/2	5.0	756	800	24.9	25	3/8"	5/8"	20-3/16"	36"	16-1/8"	84
L62-482	AWST18SU1408	1-1/2	8.0	756	800	36.0	40	3/8"	5/8"	20-3/16"	36"	16-1/8"	84
L62-483	AWST24SU1405	2	5.0	756	800	24.9	25	3/8"	5/8"	20-3/16"	36"	16-1/8"	84
L62-484	AWST24SU1408	2	8.0	756	800	36.0	40	3/8"	5/8"	20-3/16"	36"	16-1/8"	84
L62-485	AWST24SU1410	2	10.0	756	800	47.5	50	3/8"	5/8"	20-3/16"	36"	16-1/8"	84
L62-486	AWST30LU1405	2-1/2	5.0	1,005	1,083	26.0	30	3/8"	3/4"	24"	36"	21"	109
L62-487	AWST30LU1408	2-1/2	8.0	1,005	1,083	37.8	40	3/8"	3/4"	24"	36"	21"	109
L62-488	AWST30LU1410	2-1/2	10.0	1,005	1,083	49.0	50	3/8"	3/4"	24"	36"	21"	109
L62-489	AWST36LU1405	3	5.0	1,230	1,299	26.0	30	3/8"	3/4"	24"	36"	21"	109
L62-490	AWST36LU1408	3	8.0	1,230	1,299	37.8	40	3/8"	3/4"	24"	36"	21"	109
L62-491	AWST36LU1410	3	10.0	1,230	1,299	49.0	50	3/8"	3/4"	24"	36"	21"	109

Ceiling Mount Air Handlers

- High efficiency evaporator coil
- Quiet operation
- Direct drive resilient mounted, 2-speed motor
- Check flowrater for heat pump application
- Circuit breaker disconnect
- Primary/secondary drain connection on high temperature drain pan
- Easy service access
- Steel blower wheels
- Sequence controlled and rust resistant nickel chromium heating elements
- Galvanized steel
- 208/230V

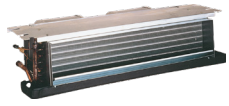


Order #	Mfg. #	Nom. Tons	Nom. kW	Nom. CFM	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
Cooling Only												
L98-934	ACNF180016	1-1/2	—	435	0.9	15	3/8"	3/4"	37-1/4"	10"	11-1/4"	59
L98-938	ACNF240016	2	—	675	1.68	15	3/8"	3/4"	43-1/4"	10"	11-1/4"	69
L93-641	ACNF250016	2	—	778	2.5	15	3/8"	3/4"	43-1/4"	10"	11-1/4"	69
Electric Heat												
L98-939	ACNF240516	2	4.8	675	27.8	30	3/8"	3/4"	43-1/4"	10"	11-1/4"	69
L98-946	ACNF300816	2-1/2	7.3	730	41.3	45	3/8"	3/4"	49-1/4"	10"	11-1/4"	79

Ceiling Mount Air Handlers

ACSF Series, Cooling Only

- High-efficiency evaporator coil
- All-Aluminum tube/aluminum fin coil
- Direct-drive, resilient-mount, multi-speed motor
- Primary/secondary drain connection in a high-temperature plastic drain pan
- Suitable for free-return installation (non-ducted return air)
- Factory-installed pull-type disconnect
- Quiet operation
- Available without heat or with sequence-controlled and heating elements of 5, 6, 8 or 10 kW
- 208/230V



Order #	Mfg. #	Nom. Tons	Nom. kW	CFM @ 0.5" ESP	CFM High @ 0.3 ESP	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
L60-821	ACSF18MN1605	1-1/2	5.0	628	746	28.5	30	3/8"	3/4"	43-1/4"	10"	11-1/4"	69
L60-822	ACSF18MN1608	1-1/2	8.0	628	746	44.0	45	3/8"	3/4"	43-1/4"	10"	11-1/4"	69
L60-823	ACSF24LN1605	2	5.0	728	833	28.5	30	3/8"	3/4"	49-1/4"	10"	11-1/4"	79
L60-824	ACSF24LN1606	2	6.0	728	833	34.0	35	3/8"	3/4"	49-1/4"	10"	11-1/4"	79
L60-825	ACSF24LN1608	2	8.0	728	833	44.0	45	3/8"	3/4"	49-1/4"	10"	11-1/4"	79
L60-826	ACSF24LN1610	2	10.0	728	833	54.6	60	3/8"	3/4"	49-1/4"	10"	11-1/4"	79
L60-827	ACSF30LN1605	2-1/2	5.0	728	833	28.5	30	3/8"	3/4"	49-1/4"	10"	11-1/4"	79
L60-828	ACSF30LN1606	2-1/2	6.0	728	833	34.0	35	3/8"	3/4"	49-1/4"	10"	11-1/4"	79
L60-829	ACSF30LN1608	2-1/2	8.0	728	833	44.0	45	3/8"	3/4"	49-1/4"	10"	11-1/4"	79
L60-830	ACSF30LN1610	2-1/2	10.0	728	833	54.6	60	3/8"	3/4"	49-1/4"	10"	11-1/4"	79

High Efficiency Modular Blowers

MBVC Variable-Speed



- Integrated communicating ComfortBridge™ Technology
- Commissioning & diagnostics via on board Bluetooth with the CoolCloud phone and tablet application
- Advanced configuration of the airflow & tonnage
- CFM indicator
- Built-in compatibility with multi-stage heat pump & cooling application
- Horizontal or vertical configuration
- Fault recall of 6 most recent faults
- Foil faced insulation
- HKR heat kits sold separately
- 208/230V

Order #	Mfg. #	Nom. CFM	CFM @ 0.3" ESP (High/ Medium/Low)	Volts	Max. Fuse Size	Width	Height	Depth	Wt. Lbs.
L95-911	MBVC1201AA-1	1,200	1,200/800	208/230	15	17-1/2"	26"	21"	67
L95-912	MBVC1601AA-1	1,600	1,600/1,070	208/230	15	21"	30"	21"	80
L95-913	MBVC2001AA-1	2,000	2,000/1,340	208/230	15	24-1/2"	30"	21"	86

Flow Check Pistons



- Flow check piston to obtain specified rating performance

Order #	Mfg. #	Description	For Use With
B11-934	B1789859	Flow Check Piston Kit	CKF24-2, CKL24-1, CKQ24-1, CLJ24-1, CLQ24-1, CPKF24-24, CPLJ24-1, CRT24-1, CPLE24-1, GSC130241, GSH130241, GSX130241, A/GSX130301, VSX130301
B11-935	B1789865	Flow Check Piston Kit	CKQ30-1, CLJ30-1, CPKJ24-1, CPLJ24-1, CKL30-1, GSX130362(5), GSZ130301, SSX140301, VSX130361, VSZ130301, ASX140301, GPG/APG10300701, ASC/ASH130301, GSC/GSH130301, GSX140301
B11-936	B1789871	Flow Check Piston Kit	CKL36-1, CPLT30-1, CPRT30-1, APG10360701(0901, 0903), ASC130361, ASX140361(421), GPG10360701(0901, 0903), GSC130361(3), GSX130361(3), GSZ130361, SSX140361(421), SSZ140361, VSX130361
B11-938	B1789882	Flow Check Piston Kit	CKL49-1, CKL49-3, CLJ48-1, CRT48-1, APG10480901(0903, 1151), ASC130481, ASH130421, GPG10480901(0903, 1151), GSC130481(3; 4), GSH130421, GSX130481(3; 4), GSX130605
B11-939	B1789890	Flow Check Piston Kit	CLQ60-1, APG1060901(0903, 1401, 1403), ASX140601, GPG1060901(0903, 1401, 1403, 1404), GSC130601(3,4)
B12-447	B1789874	Flow Check Piston Kit	CKT36-1, CPKE36-1, CKQ36-1, CLQ36-1, CPKE36-1, CPKJ36-1, CPLJ36-1, CRT36-1, ASX130421, ASX140421, ASZ130421, GSC130361(3), GSC140361, GSX/GSZ130421, SSX140421,VSZ130421
B12-448	B1789878	Flow Check Piston Kit	CK42-1, CKJ42-1, CPKE42-1, CKF48-5, CLJ42-1, CLJ42-1A, CPKJ42-1, CPLT42-1, CPRT42-1, ASC130421, ASX140481, DZ-13SA0481 (3,4), GSC130421, GSC140421, GSX140481, GSZ130481 (3,4), VSX/VSZ130481
B15-741	B1789849	Flow Check Piston Kit	ASX140181, SSX140181, A/GSX130181, A/GSZ130181
B15-743	B1789853	Flow Check Piston Kit	ASX130241, ASX140181, GSC140181, GSX130241, SSX140181
B15-744	B1789857	Flow Check Piston Kit	ASX140241, SSX140241, A/GSZ130241, CLJ24-1
B15-750	B1789872	Flow Check Piston Kit	GSC140361, DZ13SA0421, VSZ130421
B15-752	B1789876	Flow Check Piston Kit	APG10420701, APG10420901, ASX130421, ASX140481, CKL42-1, DX13SA0421, GPG10420701, GSC130421, GSX130485, SSZ140481, SSZ140421, VSX130421
B15-757	B1789886	Flow Check Piston Kit	ASX130601, ASX130611, DX13SA603, DX13SA604, DX13SA611, GSX130601, GSX130603, GSX130604, GSX130611, VSX130601, VSX130611
B15-762	B1789896	Flow Check Piston Kit	CKF70-5, GSC140601

Expansion Valve Kits



- Each kit includes 5/8", 3/4" and 7/8" OD suction line stubs that includes the equalizer line port
- For use with CA*F and CH*F coils and AR*F air handlers

Order #	Mfg. #	Description	Wt. Lbs.
B14-850	TX3N4	Non-Bleed Expansion Valve Kit - 2 to 3 Ton AC & HP, R410A	2
B14-851	TX5N4	Non-Bleed Expansion Valve Kit - 5 Ton AC & HP, R410A	2
B18-099	TX2N4A	Non-Bleed Expansion Valve Kit - 1.5 to 2 Ton AC & HP	2
B18-724	TXV-30	Non-Bleed Expansion Valve Kit - 1.5 to 2.5 Ton AC & HP, R410A	2
B18-725	TXV-42	Non-Bleed Expansion Valve Kit - 3 to 3.5 Ton AC & HP, R410A	2
B18-726	TXV-48	Non-Bleed Expansion Valve Kit - 4 Ton AC & HP, R410A	2
B18-727	TXV-60	Non-Bleed Expansion Valve Kit - 5 Ton AC & HP, R410A	2
B18-926	TXV-V24	Non-Bleed Expansion Valve Kit - 2 Ton for GVXC/GVZC, R410A	2
B18-927	TXV-V36	Non-Bleed Expansion Valve Kit - 3 Ton for GVXC/GVZC, R410A	2
B18-928	TXV-V48	Non-Bleed Expansion Valve Kit - 4 Ton for GVXC/GVZC, R410A	2
B18-929	TXV-V60	Non-Bleed Expansion Valve Kit - 5 Ton for GVXC/GVZC, R410A	2
B83-248	B1284655	Non-Bleed Expansion Valve Kit - 3/8"x1/2"x1/4"	2
B14-104	XVB18-36C	Bleed Expansion Valve Kit - 1.5 to 3 Ton R22	2
B14-105	XVB42-60C	Bleed Expansion Valve Kit - 3.5 to 5 Ton R22	2
B14-139	XV-36	Non Equalizing Expansion Valve Kit - 3 Ton R410A	2
B14-141	XV-60	Non Equalizing Expansion Valve Kit - 5 Ton R410A	2

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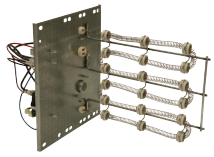
Air Handler Filters



Order #	Mfg. #	Description	For Use With
L81-230	ALFH16201E	16" Filter	B Models of ARUF & ARPT SmartFrame™ AH's
L81-231	ALFH1912201E	19.5" Filter	C Models of ARUF & ARPT SmartFrame™ AH's
L81-232	ALFH20231E	23" Filter	D Models of ARUF & ARPT SmartFrame™ AH's

Heat Kits
Single-Phase

- Controlled by sequencers for better temperature control
- Multiple branch circuit capability
- Built-in overcurrent protection
- High temperature limit control
- Rust resistant nickel chromium heat elements
- For use with: MBR & MBVC Air Handlers; GPH16M/H, GPH15M, GPH14M/H, GPC15H, GPC14M/H, DP14CM/H, DP14HM/H, DP15CH, DP16HH Packaged Units
- 208/240V

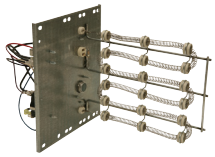


Order #	Mfg. #	Breaker	Nom. kW	Wt. Lbs.
L86-498	HKR-03	No	3.0	8
L86-499	HKR-05	No	5.0	8
L86-500	HKR-05C	Yes	5.0	9
L86-501	HKR-06	No	6.0	8

Order #	Mfg. #	Breaker	Nom. kW	Wt. Lbs.
L86-502	HKR-08	No	8.0	8
L86-503	HKR-08C	Yes	8.0	9
L86-504	HKR-10	No	10.0	8
L86-505	HKR-10C	Yes	10.0	9

Heat Kits
Single-Phase

- Designed for higher airflow requirements
- Available with or without circuit breakers
- Ship without the electric heater cover plate installed but the heater cover will be included with the literature packet if needed in no heat applications
- For use with ARUF, ASPT, AVPTC, DVPTC, DVPEC & DVPVC air handlers

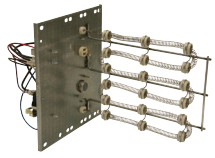


Order #	Mfg. #	Breaker	Nom. kW	Wt. Lbs.
L81-158	HKSX03XC	No	3.0	8
L81-157	HKSC05XC	Yes	5.0	8
L81-159	HKSX05XC	No	5.0	9
L81-160	HKSX06XC	No	6.0	8
L81-161	HKSC08XC	Yes	8.0	9
L81-162	HKSX08XC	No	8.0	8
L81-163	HKSC10XC	Yes	10.0	9
L81-164	HKSX10XC	No	10.0	8

Order #	Mfg. #	Breaker	Nom. kW	Wt. Lbs.
L81-165	HKSC15XA	Yes	15.0	9
L81-166	HKSC15XB	Yes	15.0	9
L81-168	HKSC19CA	Yes	19.0	9
L81-169	HKSC19CB	Yes	19.0	9
L81-170	HKSC20DA	Yes	20.0	9
L81-171	HKSC20DB	Yes	20.0	9
L81-233	HKSC25DC	Yes	20.1	9

Heat Kits
Single-Phase

- Controlled by sequencers for better temperature control
- Multiple branch circuit capability
- Built-in overcurrent protection
- High temperature limit control
- Rust resistant nickel chromium heat elements
- HKA heat kits are for use with Goodman MBR & MBVC modular blowers
- HKP heat kits are for use with Goodman & Amana G(A)PH & G(A)PC16/15/14/13M(H)
- For use with DP14CM, DP14HM, DP14HH, DP15CH, DP16HH, DP16HM, Daikin packaged units
- 208/240V

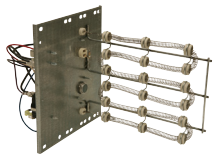


Order #	Mfg. #	Breaker	Nom. kW	Wt. Lbs.
L81-179	HKA-15C	Yes	15.0	9
L81-180	HKA-20C	Yes	20.0	9
L79-095	HKP-05C	Yes	5.0	10

Order #	Mfg. #	Breaker	Nom. kW	Wt. Lbs.
L79-096	HKP-10C	Yes	10.0	11
L81-181	HKP-15C	Yes	15.0	9
L81-182	HKP-20C	Yes	20.0	9

Heat Kits

Three-Phase

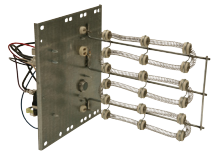


- Controlled by sequencers for better temperature control
- Multiple branch circuit capability
- Built-in overcurrent protection
- High temperature limit control
- Rust resistant nickel chromium heat elements
- For use with ARUF, AVPTC, ASPT, MBR and MBVC Air Handlers
- For use with GPH15, GPH14, GPC15, GPC14, DP14CM, DP14HM Packaged Units

Order #	Mfg. #	Nom. kW	Volts	For Use With	Wt. Lbs.
L80-379	HKR3-15	15.0	208/240	For use with ARUF, ARPT, ADPF, ASPF, AVPTC, AEPF, MBR and MBVC Air Handlers; GPH15, GPH14, GPH13M/H, GPC15, GPC14 and GPC13M/H Packaged Units	8
L80-380	HKR3-20	19.0	208/240	For use with ARUF, ARPT, ADPF, ASPF, AVPTC, AEPF, MBR and MBVC Air Handlers; GPH15, GPH14, GPH13M/H, GPC15, GPC14 and GPC13M/H Packaged Units	8
L80-381	HKR4-15	15.0	460	For use with ARUF, ARPT, ADPF, ASPF, AVPTC, AEPF, MBR and MBVC Air Handlers; GPH15, GPH14, GPH13M/H, GPC15, GPC14 and GPC13M/H Packaged Units	8
L80-382	HKR4-20	19.0	460	For use with ARUF, ARPT, ADPF, ASPF, AVPTC, AEPF, MBR and MBVC Air Handlers; GPH15, GPH14, GPH13M/H, GPC15, GPC14 and GPC13M/H Packaged Units	8
L81-508	HKSX15XF	15.0	208/240	For use with ARPT & ASPT Air Handlers	8
L81-509	HKSX20XF	19.0	208/240	For use with ARPT & ASPT Air Handlers	8

Heat Kits

Three-Phase

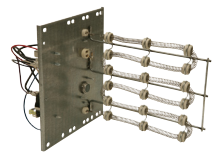


- Designed for higher airflow requirements
- Available with or without circuit breakers
- Ship without the electric heater cover plate installed but the heater cover will be included with the literature packet if needed in no heat applications
- For use with ARUF(36-42)C14, ARUF(48-60)D14, ASPT37C/39C/47C/47D/49C/49D/59C/61D, DVPCV, DVPEC & DVPTC
- 208/240V

Order #	Mfg. #	Nom. kW	For Use With	Wt. Lbs.
L81-234	HKSC15XF	15.0	ARPT36C(D)14, ARPT(42-60)D14, ARUF(36-42)C14, ARUF(48-60)D14, ASPT37C/39C/47C/47D/49C/49D/59C/61D, DVPCV, DVPEC & DVPTC	9
L81-235	HKSC20XF	20.0	ARPT36C(D)14, ARPT(42-60)D14, ARUF(36-42)C14, ARUF(48-60)D14, ASPT47D/49D/61D, DVPVC, DVPEC, DVPTC	9

Heat Kits

Three-Phase



- Controlled by sequencers for better temperature control
- Multiple branch circuit capability
- Built-in overcurrent protection
- High temperature limit control
- Rust resistant nickel chromium heat elements
- For use with AR series commercial air handlers

Order #	Mfg. #	Nom. kW	Volts	Wt. Lbs.
L86-597	AHKD15-3	15.0	208/240	56
L86-598	AHKD15-4	15.0	460	55

Order #	Mfg. #	Nom. kW	Volts	Wt. Lbs.
L86-599	AHKD20-3	20.0	208/240	59
L86-600	AHKD20-4	20.0	460	57

Order #	Mfg. #	Nom. kW	Volts	Wt. Lbs.
L86-601	AHKD30-3	30.0	208/240	60
L86-602	AHKD30-4	30.0	460	58

Wiring Kit



Order #	Mfg. #	Description	For Use With
G35-438	SPW-01	Single Point Wiring Kit	HKR-15C, HKR-20C, HKR-21C

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Thermostat

- Up to 4 heat and 2 cool stages
- Gas/electric or heat pump control
- Dual fuel capable
- Simple as you want operation
- Switchable programmable or non-programmable
- Adjustable timers and deadbands
- Set point limiting
- Simple-stat operation for ease of use
- Programmable fan
- Outdoor sensor ready
- Choice of English, Spanish or French
- Customizable wallpaper
- Customizable screensaver
- 24 VAC



Order #	Mfg. #	System Application	Stages Heat/Cool	Power Method	Terminal Designations	Color	System Switching	Dimensions L x W x H	Description	Wt. Lbs.
L46-028	PSP4272RT	Heat/Cool/Heat Pumps	4/2	Hardwired	G, Y1,W1/O/B, R, C, W1/O/B, W2, Y2, W3	White	Auto	1-1/10" x 5-3/5" x 4"	Touchscreen, Programmable/Non-programmable T'stat	1.5

Single Packaged Heat Pumps

GPHH3 Series, 13.4 SEER2, Single-Phase, 2 to 5 Ton, R410A Horizontal

- Energy-efficient scroll compressor
- Multi-speed ECM indoor blower motor
- Copper tube/aluminum fin condenser coil
- All-aluminum evaporator coil
- Quiet horizontal discharge
- Totally enclosed, permanently lubricated condenser fan motor
- Aluminum foil-facing internal insulation reinforced with fiberglass scrim
- Fully insulated blower compartment
- Louvered condenser coil protection
- Heat kits sold separately
- 208/230V



Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	COP	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
B66-002	GPHH32441	2	23,400	22,800	3.6	875	20.8	66"	30"	34"	315
B66-003	GPHH33041	2-1/2	27,800	27,600	3.54	1,050	22.4	66"	30"	34"	315
B66-004	GPHH33641	3	35,200	32,200	3.7	1,200	26.0	66"	35"	34"	375
B66-005	GPHH34241	3-1/2	39,000	37,200	3.68	1,300	26.1	66"	35"	34"	375
B66-006	GPHH34841	4	46,000	43,500	3.62	1,570	34.7	66"	35"	34"	375
B66-007	GPHH36041	5	57,000	54,500	3.58	1,700	39.8	66"	35-1/2"	34"	400

Single Packaged Heat Pumps

GPHH5 Series, 15.2 SEER2, Single-Phase, 2 to 5 Ton, R410A Horizontal

- High-efficiency scroll compressor
- Multi-speed ECM indoor blower motor
- Copper tube/aluminum fin condenser coil
- All-aluminum evaporator coil
- Quiet horizontal discharge
- Totally enclosed, permanently lubricated condenser fan motor
- Aluminum foil-facing internal insulation reinforced with fiberglass scrim
- Fully insulated blower compartment
- Louvered condenser coil protection
- Heat kits sold separately
- 208/230V



Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	COP	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
B66-115	GPHH52441	2	24,000	22,800	3.73	875	21.3	66"	30"	34"	315
B66-116	GPHH53041	2-1/2	27,600	27,600	3.26	1,050	22.9	66"	30"	34"	315
B66-117	GPHH53641	3	34,800	32,200	3.74	1,200	23.2	66"	35"	34"	375
B66-118	GPHH54241	3-1/2	42,000	40,000	3.54	1,300	30.6	66"	35"	34"	375
B66-119	GPHH54841	4	46,000	44,000	3.55	1,600	34.7	66"	35"	34"	405
B66-120	GPHH56041	5	57,250	54,500	3.6	1,700	40.2	66"	38-1/2"	34"	405

Single Packaged Heat Pumps

GPHM3 Series, Single-Phase, 13.4 SEER2, 2 to 5 Ton, R410A, Multi-Position

- Energy-efficient scroll compressor
- Multi-speed ECM indoor blower motor
- Convertible airflow: horizontal or downflow
- Copper tube/aluminum fin condenser coil
- Copper tube/aluminum fin condenser coil
- All-Aluminum evaporator coil
- Aluminum foil-facing internal insulation reinforced with fiberglass scrim
- Fully insulated air-handling compartment
- Louvered condenser coil protection
- Heat kits sold separately
- 208/230V



Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	COP	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
B66-342	GPHM32441	2	24,000	22,800	3.46	850	21.4	47"	34-3/4"	51"	380
B66-343	GPHM33041	2-1/2	28,000	27,200	3.58	1,050	23.0	47"	34-3/4"	51"	390
B66-344	GPHM33641	3	34,200	33,600	3.58	1,200	24.4	47"	34-3/4"	51"	400
B66-345	GPHM34241	3-1/2	40,500	38,000	3.54	1,300	29.2	47"	42-3/4"	51"	485
B66-346	GPHM34841	4	47,500	46,000	3.54	1,600	31.9	47"	42-3/4"	51"	495
B66-347	GPHM36041	5	56,500	55,500	3.38	1,850	37.5	47"	42-3/4"	51"	495

Single Packaged Heat Pumps

GPH14 Series, 14 SEER, Single-Phase, 2 to 5 Tons, R410A, Multi-Position



- High-efficient compressor
- EEM blower motor
- Convertible airflow — horizontal or downflow
- Copper tube/aluminum fin coils
- Liquid-line filter drier
- Fully insulated air-handling compartment
- Louvered condenser coil protection
- HKR heat kits sold separately
- 208/230V

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	HSPF	COP	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
B76-801	GPH1424M41	2	24,000	23,000	8.0	3.6	850	21.8	47"	34-3/4"	51"	380
B76-802	GPH1430M41	2-1/2	28,600	28,000	8.0	3.6	1,050	23.4	47"	34-3/4"	51"	390
B76-805	GPH1448M41	4	48,000	45,600	8.0	3.6	1,600	34.5	47"	42-3/4"	51"	485
B76-806	GPH1460M41	5	58,000	57,500	8.0	3.5	1,850	44.0	47"	42-3/4"	51"	495

Single Packaged Heat Pumps

GPHM5 Series, Single-Phase, 15.2 SEER2, 2 to 5 Ton, R410A, Multi-Position



- High-efficiency 2-stage scroll compressor
- 2-stage heating and cooling
- Multi-Speed ECM indoor blower motor
- Copper tube/aluminum fin condenser coils
- All aluminum evaporator coil on 2- to 4-ton units
- Aluminum-copper evaporator coil on 5-ton units
- Liquid-line filter drier
- Convertible airflow: horizontal or downflow
- Aluminum foil-facing internal insulation reinforced with fiberglass scrim
- Fully insulated air-handling compartment with convenient access panels
- Louvered condenser coil protection
- Heat kits sold separately
- 208/230V

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	COP	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
B66-348	GPHM52441	2	24,000	22,800	3.68	850	18.7	47"	34-3/4"	51"	376
B66-349	GPHM53041	2-1/2	29,600	28,600	3.45	1,050	21.5	47"	34-3/4"	51"	385
B66-350	GPHM53641	3	34,000	33,800	3.7	1,200	22.8	47"	42-3/4"	51"	492
B66-351	GPHM54241	3-1/2	40,500	38,500	3.6	1,300	31.7	47"	42-3/4"	51"	492
B66-352	GPHM54841	4	46,500	44,500	3.53	1,600	33.3	47"	42-3/4"	51"	492
B66-353	GPHM56041	5	56,500	58,500	3.73	2,000	39.0	47"	42-3/4"	51"	688

Dual Fuel Packaged Units

GPDM3 Series, 13.4 SEER2, Single-Phase, 2 to 4 Ton, R410A, 81% AFUE, 6.7 HSPF2



- Combines cooling with heat pump and gas heating
- Energy-efficiency scroll compressor
- Heavy duty aluminized steel heat exchanger
- Multi-speed ECM blower motor
- All aluminum evaporator coil
- Two-stage gas valve
- Field convertible to LP
- Power-assisted combustion
- Direct spark ignition with microprocessor based control
- Self-diagnostic blower operation and safety circuits
- High and low-pressure switch protection
- Aluminum foil-facing internal insulation reinforced with fiberglass scrim
- Horizontal or downflow applications
- Fully insulated cabinet
- Compressor sound blanket
- Bottom, 2” high base rails
- Comply with California LoNox emission standards
- 208/230V

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
B66-169	GPDM32406041	2	23,800	60,000	850	20.8	47"	32"	51"	420
B66-170	GPDM33008041	2-1/2	28,500	80,000	1,030	22.7	47"	32"	51"	420
B66-171	GPDM33608041	3	34,200	80,000	1,050	25.1	47"	32"	51"	440
B66-172	GPDM34210041	3-1/2	40,500	100,000	1,370	29.2	47"	40"	51"	525
B66-173	GPDM34810041	4	44,500	100,000	1,300	31.7	47"	40"	51"	525

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Single Packaged Air Conditioners

GPCH3 Series, 13.4 SEER2, Single-Phase, 2 to 5 T, R410A, Horizontal

- Energy-efficient compressor
- Multi-speed ECM indoor blower motor
- Copper tube/aluminum fin condenser coil
- All-aluminum evaporator coil
- Quiet horizontal discharge
- Totally enclosed, permanently lubricated condenser fan motor
- Aluminum foil-facing internal insulation reinforced with fiberglass scrim
- Fully insulated blower compartment
- Louvered condenser coil protection
- Heat kits sold separately
- 208/230V



Order #	Mfg. #	Nom. Tons	BtuH Cooling	Nom. CFM	Min. Circuit Amps	Max. Fuse Size	Width	Height	Depth	Wt. Lbs.
B65-995	GPCH32441	2	22,800	875	14.4	20	66"	22"	34'	315
B65-996	GPCH33041	2-1/2	28,400	1,050	21.6	35	66"	22"	34'	315
B65-997	GPCH33641	3	35,600	1,200	24.4	35	66"	22"	34'	375
B65-998	GPCH34241	3-1/2	40,000	1,300	29.2	45	66"	22"	34'	375
B65-999	GPCH34841	4	46,000	1,600	21.7	50	66"	24"	34'	375
B66-001	GPCH36041	5	56,000	1,600	35.4	50	66"	24"	34'	400

Single Packaged Air Conditioners

GPC15 Series, 15 SEER, Single-Phase, 2 To 5 Ton, R410A, Horizontal

- Energy-efficient compressor
- Multi-speed ECM blower motor
- Quiet horizontal discharge
- Copper tube/aluminum fin coil
- Louvered condenser coil protection
- Fully insulated blower compartment
- Totally enclosed, permanently lubricated condenser fan motor
- HKP/R heat kits sold separately
- 208/230V



Order #	Mfg. #	Nom. Tons	BtuH Cooling	Nom. CFM	Min. Circuit Amps	Max. Fuse Size	Width	Height	Depth	Wt. Lbs.
B77-197	GPC1524H41	2	23,600	875	15.0	20	66"	30-1/2"	33"	300
B77-198	GPC1530H41	2-1/2	28,400	1,050	23.0	35	66"	30-1/2"	33"	305
B77-199	GPC1536H41	3	35,600	1,200	26.0	40	66"	30-1/2"	33"	315
B77-200	GPC1542H41	3-1/2	40,000	1,300	28.0	45	66"	30-1/2"	33"	350
B77-201	GPC1548H41	4	46,000	1,600	32.0	50	66"	35-1/2"	33"	365
B77-202	GPC1560H41	5	57,500	1,600	40.0	60	66"	35-1/2"	33"	370

Single Packaged Air Conditioners

GPCM3 Series, Single-Phase, 13.4 SEER2, 2 to 5 Ton, R410A, Multi-Position

- Energy-efficient scroll compressor
- Multi-speed ECM indoor blower motor
- Convertible airflow: horizontal or downflow application
- Copper tube/aluminum fin condenser coil
- All-aluminum evaporator coil
- Aluminum foil-facing internal insulation reinforced with fiberglass scrim
- Fully insulated blower compartment
- Louvered condenser coil protection
- Heat kits sold separately
- 208/230V



Order #	Mfg. #	Nom. Tons	BtuH Cooling	Nom. CFM	Min. Circuit Amps	Max. Fuse Size	Width	Height	Depth	Wt. Lbs.
B66-336	GPCM32441	2	22,800	800	21,6	35	47"	34-3/4"	51"	319
B66-337	GPCM33041	2-1/2	27,800	1,000	23.0	35	47"	34-3/4"	51"	342
B66-338	GPCM33641	3	34,200	1,200	26.1	40	47"	34-3/4"	51"	365
B66-339	GPCM34241	3-1/2	40,000	1,325	27.7	40	47"	42-3/4"	51"	435
B66-340	GPCM34841	4	44,500	1,600	31.7	50	47"	42-3/4"	51"	435
B66-341	GPCM36041	5	54,500	1,700	41.0	60	47"	42-3/4"	51"	458

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Goodman
Air Conditioning & Heating



Single Packaged Gas/Electric Air Conditioners

GPGM3 Series, 13.4 SEER2, Single-Phase, 2 to 5 Ton, 81% AFUE, R410A, Multi-Position

- Energy-efficient scroll compressor
- All-aluminum evaporator coil
- Multi-speed ECM indoor blower motor
- Convertible airflow: horizontal or downflow application
- Power-assisted combustion
- Direct spark ignition system
- Aluminum foil-facing internal insulation
- One roof curb fits all units
- Fully insulated cabinet
- All models comply with California LowNOx standards
- 208/230V

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	BtuH Heating Output	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
B66-148	GPGM32404041	2	23,000	40,000	32,400	800	21.6	47"	32"	51"	412
B66-149	GPGM32406041	2	23,000	60,000	48,600	800	21.6	47"	32"	51"	417
B66-150	GPGM33004041	2-1/2	28,600	40,000	32,400	1,000	22.8	47"	32"	51"	415
B66-151	GPGM33006041	2-1/2	28,600	60,000	48,600	1,000	22.8	47"	32"	51"	420
B66-152	GPGM33604041	3	34,200	40,000	32,400	1,200	22.8	47"	32"	51"	449
B66-153	GPGM33606041	3	34,200	60,000	48,600	1,200	22.8	47"	32"	51"	453
B66-154	GPGM33608041	3	34,200	80,000	64,800	1,200	22.8	47"	32"	51"	458
B66-155	GPGM34206041	3-1/2	40,000	60,000	48,600	1,300	29.2	47"	40"	51"	493
B66-156	GPGM34208041	3-1/2	40,000	80,000	64,800	1,300	29.2	47"	40"	51"	496
B66-157	GPGM34806041	4	46,250	60,000	48,600	1,525	32.3	47"	40"	51"	518
B66-158	GPGM34808041	4	46,250	80,000	64,800	1,525	32.3	47"	40"	51"	523
B66-159	GPGM34810041	4	46,250	100,000	81,000	1,525	32.3	47"	40"	51"	528
B66-160	GPGM36108041	5	56,000	80,000	64,800	1,750	41.0	47"	40"	51"	533
B66-161	GPGM36110041	5	56,000	100,000	81,000	1,750	41.0	47"	40"	51"	538
B66-162	GPGM36112041	5	56,000	120,000	97,200	1,750	41.0	47"	40"	51"	543

Goodman
Air Conditioning & Heating



Single Packaged Gas/Electric Air Conditioners

GPUM3 Series, 13.4 SEER2, Single-Phase, 2 to 5 Ton, 81% AFUE, R410A, Ultra LoNOx

- Heavy-duty stainless-steel heat exchanger
- Energy-efficient scroll compressor
- Multi-speed ECM indoor blower motor
- Convertible airflow: horizontal or downflow application
- All-aluminum evaporator coil
- Power-assisted combustion
- Direct spark ignition
- Fully insulated cabinet
- Aluminum foil-facing internal insulation reinforced with fiberglass scrim
- Bottom, 2" high base rails
- One roof curb fits all units
- 208/230V

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	BtuH Heating Output	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
B66-174	GPUM32404041	2	23,000	40,000	32,400	800	21.6	47"	32"	51"	412
B66-175	GPUM33006041	2-1/2	28,600	60,000	48,600	1,000	22.8	47"	32"	51"	420
B66-176	GPUM33606041	3	34,200	60,000	48,600	1,200	22.8	47"	32"	51"	496
B66-177	GPUM34208041	3-1/2	40,000	80,000	64,800	1,300	29.2	47"	40"	51"	523
B66-178	GPUM34808041	4	46,250	80,000	64,800	1,525	32.3	47"	40"	51"	533
B66-179	GPUM36108041	5	56,000	80,000	64,800	1,700	41.0	47"	40"	51"	533

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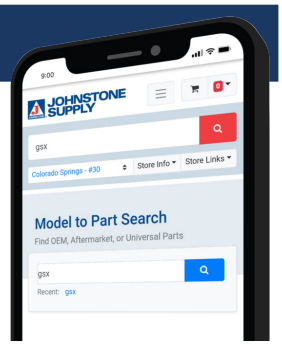

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Single Packaged Gas/Electric Air Conditioners

GPGM5 Series, 15.2 SEER2, Single-Phase, 2 to 5 Ton, 81% AFUE, R410A, Multi-Position

- High-efficiency two-stage scroll compressor
- Convertible airflow: horizontal or downflow application
- Copper tube/aluminum fin condenser coil
- All-aluminum evaporator coil on 2 to 4 ton units
- Aluminum-copper evaporator coil on 5 ton units
- Power-assisted combustion
- Variable-speed ECM indoor blower motor
- Loss-of-charge protection & high-pressure switch
- Two-stage gas valve
- Direct spark ignition
- All blower operation and all safety circuits complete with self-diagnostics
- Fully insulated heavy-gauge, zinc-coated steel cabinet
- Aluminum foil-facing internal insulation reinforced with fiberglass scrim
- One roof curb fits 2-4 ton units
- All models comply with California Low NOx emission standards
- 208/230V

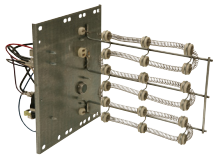


Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	BtuH Heating Output	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
B66-163	GPGM52406041	2	23,000	60,000	48,600	800	18.4	47"	32"	51"	370
B66-164	GPGM53008041	2-1/2	29,000	80,000	64,800	950	22.0	47"	32"	51"	397
B66-165	GPGM53608041	3	35,000	80,000	64,800	1,200	25.8	47"	40"	51"	490
B66-166	GPGM54210041	3-1/2	41,000	100,000	81,000	1,250	33.1	47"	40"	51"	495
B66-167	GPGM54810041	4	46,000	100,000	81,000	1,300	33.7	47"	40"	51"	490
B66-168	GPGM56014041	5	58,000	135,000	109,350	2,000	43.3	73-3/8"	39"	47-5/8"	655

Heat Kits

Single-Phase

- Controlled by sequencers for better temperature control
- Multiple branch circuit capability
- Built-in overcurrent protection
- High temperature limit control
- Rust resistant nickel chromium heat elements
- For use with: MBR & MBVC Air Handlers; GPH16M/H, GPH15M, GPH14M/H, GPC15H, GPC14M/H, DP14CM/H, DP14HM/H, DP15CH, DP16HH Packaged Units
- 208/240V



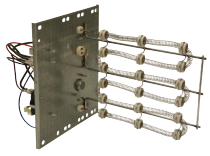
Order #	Mfg. #	Breaker	Nom. kW	Wt. Lbs.
L86-498	HKR-03	No	3.0	8
L86-499	HKR-05	No	5.0	8
L86-500	HKR-05C	Yes	5.0	9
L86-501	HKR-06	No	6.0	8

Order #	Mfg. #	Breaker	Nom. kW	Wt. Lbs.
L86-502	HKR-08	No	8.0	8
L86-503	HKR-08C	Yes	8.0	9
L86-504	HKR-10	No	10.0	8
L86-505	HKR-10C	Yes	10.0	9

Heat Kits

Single-Phase

- Controlled by sequencers for better temperature control
- Multiple branch circuit capability
- Built-in overcurrent protection
- High temperature limit control
- Rust resistant nickel chromium heat elements
- HKA heat kits are for use with Goodman MBR & MBVC modular blowers
- HKP heat kits are for use with Goodman & Amana G(A)PH & G(A)PC16/15/14/13M(H)
- For use with DP14CM, DP14HM, DP14HH, DP15CH, DP16HH, DP16HM, Daikin packaged units
- 208/240V



Order #	Mfg. #	Breaker	Nom. kW	Wt. Lbs.
L81-179	HKA-15C	Yes	15.0	9
L81-180	HKA-20C	Yes	20.0	9
L79-095	HKP-05C	Yes	5.0	10

Order #	Mfg. #	Breaker	Nom. kW	Wt. Lbs.
L79-096	HKP-10C	Yes	10.0	11
L81-181	HKP-15C	Yes	15.0	9
L81-182	HKP-20C	Yes	20.0	9

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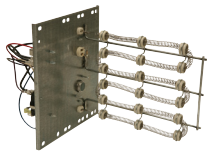
Heat Kits

Three-Phase

- Controlled by sequencers for better temperature control
- Multiple branch circuit capability
- Built-in overcurrent protection
- High temperature limit control
- Rust resistant nickel chromium heat elements
- For use with ARUF, AVPTC, ASPT, MBR and MBVC Air Handlers
- For use with GPH15, GPH14, GPC15, GPC14, DP14CM, DP14HM Packaged Units



Order #	Mfg. #	Nom. kW	Volts	For Use With	Wt. Lbs.
L80-379	HKR3-15	15.0	208/240	For use with ARUF, ARPT, ADPF, ASPF, AVPTC, AEPF, MBR and MBVC Air Handlers; GPH15, GPH14, GPH13M/H, GPC15, GPC14 and GPC13M/H Packaged Units	8
L80-380	HKR3-20	19.0	208/240	For use with ARUF, ARPT, ADPF, ASPF, AVPTC, AEPF, MBR and MBVC Air Handlers; GPH15, GPH14, GPH13M/H, GPC15, GPC14 and GPC13M/H Packaged Units	8
L80-381	HKR4-15	15.0	460	For use with ARUF, ARPT, ADPF, ASPF, AVPTC, AEPF, MBR and MBVC Air Handlers; GPH15, GPH14, GPH13M/H, GPC15, GPC14 and GPC13M/H Packaged Units	8
L80-382	HKR4-20	19.0	460	For use with ARUF, ARPT, ADPF, ASPF, AVPTC, AEPF, MBR and MBVC Air Handlers; GPH15, GPH14, GPH13M/H, GPC15, GPC14 and GPC13M/H Packaged Units	8
L81-508	HKSX15XF	15.0	208/240	For use with ARPT & ASPT Air Handlers	8
L81-509	HKSX20XF	19.0	208/240	For use with ARPT & ASPT Air Handlers	8

McDaniel Metals

Square to Round Converters

- Down discharge and horizontal discharge available

Order #	Mfg. #	Description	For Use With	Wt. Lbs.
X89-813	SQRPG101/102	Square to Round Adapter Downflow	All GPG/APG Series 2-5 Ton Small & Medium Chassis	9
X89-814	SQRPG103	Square to Round Adapter Downflow	All GPG/APG Series 3-5 Ton Large Chassis	9
X89-815	SQRPGH101/102	Square to Round Adapter Horizontal	All GPG/APG Series 2-5 Ton Small & Medium Chassis	7
X89-816	SQRPGH103	Square to Round Adapter Horizontal	All GPG/APG Series 3-5 Ton Large Chassis	7
X92-414	SQRPC101	Square to Round Adapter 16"	GPH Series 2-5 Ton Units	11
X92-415	SQRPCH101	Square to Round Adapter 14" & 16"	GPH Series 2-5 Ton Small Chassis	5

Manual and Motorized Dampers

Order #	Mfg. #	Description	For Use With	Wt. Lbs.
B82-511	PGMDD101/102	25% Manual Fresh Air Damper Downflow	All GPG Series 2-5 Ton Small & Med. Chassis	9
B82-512	PGMDD103	25% Manual Fresh Air Damper Downflow	All GPG Series 2-5 Ton Large Chassis	10
B82-513	PGMDMD101/102	25% Motorized Fresh Air Damper Downflow	All GPG Series 2-5 Ton Small & Med. Chassis	29
B82-514	PGMDMD103	25% Motorized Fresh Air Damper Downflow	All GPG Series 2-5 TonLarge Chassis	31
B84-303	PCMD101-103	Manual Damper	GPC-H Units	9
B84-304	GPHMD101-103	Manual Damper	GPC-H Units	13
B84-305	PCMDM101-103	Motorized Damper	GPC-H Units	10
B95-613	PGMDH101	25% Manual Fresh Air Damper Horizontal	All GPG Series 2-5 Ton Small Chassis	17
B95-614	PGMDH102	25% Manual Fresh Air Damper Horizontal	All GPG Series 2-5 Ton Med. Chassis	19
B95-615	PGMDH103	25% Manual Fresh Air Damper Horizontal	All GPG Series 2-5 Ton Large Chassis	23
B95-616	PGMDMH101	25% Motorized Fresh Air Damper Horizontal	All GPG Series 2-5 Ton Small Chassis	34
B95-617	PGMDMH102	25% Motorized Fresh Air Damper Horizontal	All GPG Series 2-5 Ton Med. Chassis	34
B95-618	PGMDMH103	25% Motorized Fresh Air Damper Horizontal	All GPG Series 2-5 Ton Large Chassis	21

Duct Kits

Order #	Mfg. #	Description	For Use With	Wt. Lbs.
B95-623	CDK90102	Flush Mount Duct Kit	PGC090195-3, PGC090195-4, PCC090-3, PCC090-4	55
B95-624	CDK120	Flush Mount Duct Kit	PGC120225-3, PGC120225-4, PCC120-3, PCC120-4	160
B98-790	CDK36	3T Concentric Duct Kit	GPC, GPH, CPC, CPG & CPH Units	35
B98-791	CDK4872	4-6T Concentric Duct Kit	GPC, GPH, CPC, CPG & CPH Units	35

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Horizontal Duct Back Cover Kits



Order #	Mfg. #	Description	For Use With
B99-291	20464501PDGK	Duct Back Cover 40 w/Paint	A/GPG, GPH/C "M" 13 & 15 SEER
B99-292	20464502PDGK	Duct Back Cover 27x32 w/Paint	A/GPG, GPH/C "M" 13 & 15 SEER

Plenums and Elbows

Order #	Mfg. #	Description
X92-417	PCEF101-103	Elbow and Flashing R8
X92-419	PCP101-103	Downflow Plenum
X92-420	PCP101-103R8	Downflow Plenum R8

Hail Guards



Order #	Mfg. #	Description	For Use With
X92-785	HAILGD03	Hail Guard	CPC(036, 048, 060)/CPG(036, 048, 060) & 3 to 5 Ton DCC/G/H Daikin Units
X92-786	HAILGD02	Hail Guard	CPC(090, 120)/CPG(090, 120)/CPH(090, 120) & 7-1/2 to 10 Ton DCC/G/H Daikin Units
X92-796	HAILGD04	Hail Guard	CPC072/CPG072 & 6 Ton DCC/G/H Daikin Units

Single Packaged Heat Pumps

14 SEER/11.5 EER, Single-Phase, 3 To 5 Ton, R410A

- Scroll compressor
- High and low pressure switches
- Copper tube/aluminum fin coils
- 5mm Smart Coil Technology on all condenser coils
- Motor with thermal overload and phase failure protection
- 24-volt electro-mechanical controls package
- Standard terminal blocks
- Full perimeter base rail
- Single-point entry
- Direct Drive
- 208/230V



Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	HSPF	COP	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
B62-891	DBH0361D000001S	3	35,000	34,200	8.0	2.3	1,170	27.5	74"	39-7/8"	48-5/16"	560
B62-892	DBH0481D000001S	4	46,500	45,500	8.0	2.3	1,460	33.1	74"	39-7/8"	48-5/16"	589
B62-893	DBH0601D000001S	5	56,500	56,500	8.0	2.3	1,790	40.4	74"	43-1/2"	48-5/16"	632

Single Packaged Heat Pumps

Up to 17.0 IEER/12.6 EER Single-Phase 3 To 5 Ton, R410A, Direct Drive

- Scroll compressor
- High and low pressure switches
- Copper tube/aluminum fin coils
- 5mm Smart Coil Technology on all condenser coils
- Direct-Drive ECM motor with thermal overload and phase failure protection
- 24-volt electromechanical controls package
- Standard terminal blocks
- Full perimeter base rail
- Single-point entry



Order #	Mfg. #	Nom. Tons	BtuH Cooling	HSPF	COP	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
B64-757	DRH0361D000001S	3	36,000	8.2	3.6	1,200	25.7	74"	43-1/2"	48-5/16"	595
B64-758	DRH0481D000001S	4	48,000	8.2	4.0	1,600	36.8	74"	43-1/2"	48-5/16"	621
B64-759	DRH0601D000001S	5	59,000	8.2	3.9	1,850	44.1	74"	43-1/2"	48-5/16"	630

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Single Packaged Air Conditioners

14.3 SEER2/11.0 EER2, Single-Phase, 3 To 5 Ton, R410A

- Scroll compressor
- High and low pressure switches
- Copper tube/aluminum fin coils
- 5mm Smart Coil Technology on all condenser coils
- Motor with thermal overload and phase failure protection
- 24-volt electro-mechanical controls package
- Standard terminal blocks
- Full perimeter base rail
- 208/230V

Order #	Mfg. #	Nom. Tons	BtuH Cooling	Nom. CFM	Min. Circuit Amps	Max. Fuse Size	Width	Height	Depth	Wt. Lbs.
B65-828	DFC0361D000001S	3	35,000	1,160	27.5	40	74"	39-7/8"	48-5/16"	484
B65-829	DFC0481D000001S	4	47,000	1,570	33.7	50	74"	39-7/8"	48-5/16"	507
B65-250	DFC0601D000001S	5	59,000	1,820	41.9	60	74"	39-7/8"	48-5/16"	512

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Single Packaged Air Conditioners

Up To 17.1 SEER/13 EER, Single-Phase, 3 To 5 Ton, R410A

- Scroll compressor
- Copper tube/aluminum fin coils
- 5mm Smart Coil Technology on all condenser coils
- Direct -Drive ECM motor with thermal overload and phase failure protection
- 24-volt electro-mechanical controls package
- Standard terminal blocks
- Full perimeter base rail
- Single point power entry
- 208/230V

Order #	Mfg. #	Nom. Tons	BtuH Cooling	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
B64-768	DRC0361D000001S	3	36,000	1,180	25.7	74"	39-7/8"	48-5/16"	537
B64-769	DRC0481D000001S	4	48,000	1,500	34.3	74"	39-7/8"	48-5/16"	590
B64-770	DRC0601D000001S	5	59,000	1,850	43.2	74"	39-7/8"	48-5/16"	606

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Single Packaged Gas/Electric Air Conditioners

15.5 SEER/13 EER, 81% AFUE, Single-Phase, 3 To 5 Ton, R410A

- High-efficiency scroll compressor
- High and low pressure switches
- Copper tube/aluminum fin coils
- Contactor with lugs
- Direct drive motor
- High-capacity, steel-cased filter-drier
- 24V terminal strip
- Convertible airflow
- Built-in filter rack with standard 2" filters
- Bottom utility entry
- Full perimeter base rails
- Sloped drain pan
- Heat kits sold separately
- 208/230V

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	BtuH Heating Output	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
B77-658	DTG0360451DXXX	3	35,600	46,000	37,000	1,200	23.0	73-189/200"	38-21/25"	48-49/250"	525
B77-660	DTG0480901DXXX	4	45,500	92,000	75,000	1,600	33.2	73-189/200"	38-21/25"	48-49/250"	568
B77-661	DTG0481151DXXX	4	45,500	115,000	93,000	1,600	33.2	73-189/200"	38-21/25"	48-49/250"	569

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Single Packaged Gas/Electric Air Conditioners

Up To 17 SEER/13 EER, 81% AFUE, Single-Phase, 3 To 5 Ton, R410A

- Scroll compressor
- High and low pressure switches
- Copper tube/aluminum fin coils
- 5mm Smart Coil Technology on all condenser coils
- Motor with thermal overload and phase failure protection
- 24-volt electro-mechanical controls package
- Standard terminal blocks
- Full perimeter base rail
- Single-point entry
- Optional field installed LP kits
- 208/230V

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	BtuH Heating Output	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
Low Heat											
B63-284	DRG0361DL00001S	3	36,000	45,000	36,500	1,200	25.7	74"	39-7/8"	48-5/16"	572
B63-287	DRG0481DL00001S	4	48,000	70,000	56,700	1,600	34.3	74"	43-1/2"	48-5/16"	647
B63-290	DRG0601DL00001S	5	60,000	70,000	56,700	2,000	43.4	74"	43-1/2"	48-5/16"	655
Medium Heat											
B63-285	DRG0361DM00001S	3	36,000	70,000	56,700	1,200	25.7	74"	39-7/8"	48-5/16"	572
B63-288	DRG0481DM00001S	4	48,000	115,000	93,200	1,600	34.3	74"	43-1/2"	48-5/16"	647
B63-291	DRG0601DM00001S	5	60,000	115,000	93,200	2,000	43.4	74"	43-1/2"	48-5/16"	655
High Heat											
B63-286	DRG0361DH00001S	3	36,000	115,000	93,200	1,200	25.7	74"	39-7/8"	48-5/16"	572
B63-289	DRG0481DH00001S	4	48,000	140,000	113,400	1,600	34.3	74"	43-1/2"	48-5/16"	647
B63-292	DRG0601DH00001S	5	60,000	140,000	113,400	2,000	43.4	74"	43-1/2"	48-5/16"	655

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Single Packaged Heat Pumps

12.5 IEER/Up To 11.2 Three-Phase, 7-1/2 To 12-1/2 Ton, R410A

- Dual single-stage scroll compressor
- Copper tube / aluminum fin coils on condenser and evaporator
- 5mm Smart coil technology on all condenser coils
- Low- and high-pressure transducer, high pressure safety switch and temperature sensors
- Single-point power entry
- Units are factory-wired
- 1" raised flanged edges around the supply and return
- Internal overload protection included with compressor
- Full perimeter base rail
- Heat kits sold separately



Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	EER	HSPF	COP	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
208/230V													
B64-389	DBH0903V000001S	7-1/2	88,000	80,000	11.2	8.0	3.3	2,850	42.6	93-3/4"	54-1/4"	60-3/8"	1,152
B64-396	DBH1023V000001S	8-1/2	99,000	94,000	11.0	8.0	3.3	3,400	45.6	93-3/4"	54-1/4"	60-3/8"	1,212
B64-398	DBH1203V000001S	10	112,000	106,000	11.0	8.0	3.3	4,000	48.8	93-3/4"	54-1/4"	60-3/8"	1,216
B65-351	DBH1503V000001S	12-1/2	140,000	140,000	10.6	8.0	3.2	4,250	65.0	93-3/4"	58-3/5"	60-3/8"	1,314
460V													
B64-397	DBH1024V000001S	8-1/2	99,000	94,000	11.0	8.0	3.3	3,400	20.4	93-3/4"	54-1/4"	60-3/8"	1,222
B64-399	DBH1204V000001S	10	112,000	106,000	11.0	8.0	3.3	4,000	22.0	93-3/4"	54-1/4"	60-3/8"	1,226
B65-352	DBH1504V000001S	12-1/2	140,000	140,000	10.6	8.0	3.2	4,250	30.9	93-3/4"	58-3/5"	60-3/8"	1,314

Single Packaged Heat Pumps

14 SEER, Three-Phase, 3 To 5 Tons, R410A, Multi-Position

- Energy-efficient compressor with internal relief valve
- EEM blower motor
- Convertible airflow — horizontal or downflow
- Copper tube/aluminum fin coil
- Totally enclosed, permanently lubricated condenser fan motor
- Fully insulated blower compartment
- Louvered condenser coil protection
- HKR heat kits sold separately
- 208/230V



Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	EER	HSPF	COP	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
B79-262	DP14HM3643	3	34,400	33,200	11.00	8.1	2.2	1,200	18.2	47"	34-3/4"	51"	400
B79-263	DP14HM4843	4	48,000	45,500	11.00	8.2	2.2	1,600	23.9	47"	42-3/4"	51"	475
B79-264	DP14HM6043	5	58,000	57,000	11.00	8.3	2.2	1,850	29.6	47"	42-3/4"	51"	495

Single Packaged Heat Pumps

14 SEER/11.5 EER, Three-Phase, 3 To 5 Ton, R410A

- Scroll compressor
- High and low pressure switches
- Copper tube/aluminum fin coils
- 5mm Smart Coil Technology on all condenser coils
- Motor with thermal overload and phase failure protection
- 24-volt electro-mechanical controls package
- Standard terminal blocks
- Full perimeter base rail
- Single-point entry



Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	EER	HSPF	COP	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
Direct Drive - 20/230V													
B62-903	DBH0363D000001S	3	35,000	34,200	11.5	8.0	2.34	1,170	19.70	74"	39-7/8"	48-5/16"	560
B62-905	DBH0483D000001S	4	46,500	45,500	11.5	8.0	2.34	1,460	24.70	74"	39-7/8"	48-5/16"	589
B62-907	DBH0603D000001S	5	56,500	56,500	11.5	8.0	2.34	1,790	29.10	74"	43-1/2"	48-5/16"	632
Belt Drive - 208/230V													
B62-904	DBH0363B000001S	3	35,000	34,200	11.5	8.0	2.34	1,170	17.40	74"	39-7/8"	48-5/16"	605
B62-906	DBH0483B000001S	4	46,000	45,500	11.5	8.0	2.34	1,460	21.20	74"	39-7/8"	48-5/16"	640
B62-908	DBH0603B000001S	5	56,500	56,500	11.5	8.0	2.34	1,460	25.40	74"	43-1/2"	48-5/16"	686
Belt Drive - 460V													
B62-909	DBH0364B000001S	3	35,000	34,200	11.5	8.0	2.34	1,170	9.39	74"	39-7/8"	48-5/16"	610
B62-911	DBH0604B000001S	5	56,500	56,500	11.5	8.0	2.34	1,790	11.40	74"	43-1/2"	48-5/16"	693

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Single Packaged Heat Pumps

15 SEER/Up To 13.0 EER / 8.2 HSPF, Three-Phase, 3 To 5 Ton, R410A

- High-efficiency scroll compressor
- Direct drive motor
- Copper tube/aluminum fin coils
- Contactor with lugs
- High and low pressure switches
- Refrigerant accumulator
- High-capacity, steel-cased filter-drier
- 24V terminal strip
- Built-in filter rack with standard 2" filters
- Bottom utility entry
- Full perimeter base rails
- Convertible airflow
- Sloped drain pan
- EHK heat kits sold separately
- 208/230V

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	EER	HSPF	COP	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
B61-138	DTH036XXX3DXXX	3	35,000	32,800	13.0	8.0	3.6	1,200	16.5	74-61/1000"	38-21/25"	48-49/250"	520
B61-139	DTH048XXX3DXXX	4	47,000	44,000	12.5	8.0	3.8	1,600	24.7	74-61/1000"	38-21/25"	48-49/250"	549
B61-140	DTH060XXX3DXXX	5	60,000	55,000	12.5	8.2	3.6	2,000	29.1	74-61/1000"	42-21/25"	48-49/250"	583

DAIKIN



Single Packaged Heat Pumps

Up tp 17.0 IEER/12.6 EER Three-Phase 3 To 6 Ton, R410A, Direct Drive

- Scroll compressor
- High and low pressure switches
- Copper tube/aluminum fin coils
- 5mm Smart Coil Technology on all condenser coils
- Direct-Drive ECM motor with thermal overload and phase failure protection
- 24-volt electromechanical controls package
- Standard terminal blocks
- Full perimeter base rail
- Single-point entry

Order #	Mfg. #	Nom. Tons	BtuH Cooling	EER	HSPF	COP	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
208/230V												
B64-760	DRH0363D000001S	3	36,000	12.6	8.2	3.6	1,200	21.2	74"	43-1/2"	48-5/16"	595
B64-761	DRH0483D000001S	4	48,000	12.6	8.2	4.0	1,600	27.9	74"	43-1/2"	48-5/16"	621
B64-762	DRH0603D000001S	5	59,000	12.1	8.2	3.9	1,850	30.7	74"	43-1/2"	48-5/16"	630
B63-679	DRH0723D000001S	6	69,000	11.5	—	3.4	2,200	29.0	74"	53-3/4"	48-5/16"	708
460V												
B64-764	DRH0364D000001S	3	36,000	12.6	8.2	3.6	1,200	10.1	74"	43-1/2"	48-5/16"	595
B64-765	DRH0484D000001S	4	48,000	12.6	8.2	4.0	1,600	12.1	74"	43-1/2"	48-5/16"	621
B64-766	DRH0604D000001S	5	59,000	12.1	8.2	3.9	1,850	13.6	74"	43-1/2"	48-5/16"	630
B63-680	DRH0724D000001S	6	69,000	11.5	—	3.4	2,200	13.9	74"	53-3/4"	48-5/16"	708

DAIKIN



Single Packaged Air Conditioners

14 SEER, Three-Phase, 3 To 5 Ton, R410A, Multi-Position

- Energy-efficient compressor with internal relief valve
- PSC blower motor for the 3 ton unit; EEM motor for the 4 & 5 ton units
- Convertible airflow — horizontal or downflow
- Copper tube/aluminum fin coil
- Totally enclosed, permanently lubricated condenser fan motor
- Fully insulated blower compartment
- Louvered condenser coil protection
- HKR heat kits sold separately
- 208/230V

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	EER	Nom. CFM	Min. Circuit Amps	Max. Fuse Size	Width	Height	Depth	Wt. Lbs.
B79-259	DP14CM3643	3	35,000	36,000	11.0	1,200	18.2	25	47"	34-3/4"	51"	365
B79-260	DP14CM4843	4	46,500	48,000	11.0	1,600	23.2	35	47"	42-3/4"	51"	435
B79-261	DP14CM6043	5	56,000	60,000	11.0	1,700	28.9	40	47"	42-3/4"	51"	445

DAIKIN



Single Packaged Air Conditioners

14 SEER/11.5 EER Three-Phase, 3 To 5 Ton, R410A

- Scroll compressor
- High and low pressure switches
- Copper tube/aluminum fin coils
- 5mm Smart Coil Technology on all condenser coils
- Motor with thermal overload and phase failure protection
- 24-volt electro-mechanical controls package
- Standard terminal blocks
- Full perimeter base rail

Order #	Mfg. #	Nom. Tons	BtuH Cooling	EER	Nom. CFM	Min. Circuit Amps	Max. Fuse Size	Width	Height	Depth	Wt. Lbs.
Direct Drive - 208/230V											
B62-894	DBC0363D000001S	3	35,000	11.5	1,160	19.7	30	74"	39-7/8"	48-5/16"	528
Belt Drive - 208/230V											
B62-898	DBC0483B000001S	5	46,500	11.5	1,470	21.2	30	74"	39-7/8"	48-5/16"	598

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Single Packaged Air Conditioners

11.2 EER, Three-Phase, 7-1/2 To 12-1/2 Ton, R410A

- High-efficiency scroll compressor
- Belt motor
- Copper tube/aluminum fin coils
- Contactor with lugs
- High-capacity, steel-cased filter-drier
- Single-point entry
- 24V terminal strip
- Convertible
- Built-in filter rack with standard 2" filters
- Full perimeter rail
- Sloped drain pan
- EHK heat kits sold separately



Order #	Mfg. #	Nom. Tons	BtuH Cooling	EER	Nom. CFM	Min. Circuit Amps	Max. Fuse Size	Width	Height	Depth	Wt. Lbs.
208/230V											
B63-302	DBC0903V000001S	7-1/2	86,000	11.2	3,000	39.6	50	93-3/4"	54-1/4"	60-3/8"	1,015
B63-303	DBC1023V000001S	8-1/2	97,000	11.2	3,400	42.6	50	93-3/4"	54-1/4"	60-3/8"	1,026
B64-624	DBC1503V000001S	12-1/2	140,000	11.0	4,400	57.3	70	93-3/4"	54-1/4"	60-3/8"	1,208
460V											
B63-305	DBC0904V000001S	7-1/2	86,000	11.2	3,000	18.3	20	93-3/4"	54-1/4"	60-3/8"	1,015
B63-306	DBC1024V000001S	8-1/2	97,000	11.2	3,400	18.9	25	93-3/4"	54-1/4"	60-3/8"	1,026
B63-307	DBC1204V000001S	10	114,000	11.2	3,600	22.1	25	93-3/4"	54-1/4"	60-3/8"	1,070
B64-625	DBC1504V000001S	12-1/2	140,000	11.0	4,400	29.0	35	93-3/4"	54-1/4"	60-3/8"	1,208

Single Packaged Air Conditioners

Up To 17.1 SEER/13 EER, Three-Phase, 3 To 6 Ton, R410A

- Scroll compressor
- Copper tube/aluminum fin coils
- 5mm Smart Coil Technology on all condenser coils
- Direct -Drive ECM motor with thermal overload and phase failure protection
- 24-volt electro-mechanical controls package
- Standard terminal blocks
- Full perimeter base rail
- Single point power entry



Order #	Mfg. #	Nom. Tons	BtuH Cooling	EER	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
208/230V										
B64-771	DRC0363D000001S	3	36,000	12.8	1,180	21.2	74"	39-7/8"	48-5/16"	537
B64-772	DRC0483D000001S	4	48,000	13.0	1,500	25.4	74"	43-1/2"	48-5/16"	590
B64-773	DRC0603D000001S	5	59,000	12.1	1,850	29.8	74"	43-1/2"	48-5/16"	606
B64-774	DRC0723D000001S	6	72,000	12.1	2,200	29.0	74"	53-3/4"	48-5/16"	657
460V										
B64-775	DRC0364D000001S	3	36,000	12.8	1,180	10.1	74"	39-7/8"	48-5/16"	537
B64-776	DRC0484D000001S	4	48,000	13.0	1,500	11.0	74"	43-1/2"	48-5/16"	590
B64-777	DRC0604D000001S	5	59,000	12.1	1,850	13.6	74"	43-1/2"	48-5/16"	606
B64-778	DRC0724D000001S	6	72,000	12.1	2,200	13.9	74"	53-3/4"	48-5/16"	657

Single Packaged Air Conditioners

10.0 Up to 11.0 EER, Three-Phase, 15 To 25 Ton, R410A

- High-efficiency scroll compressor
- 5mm Smart Coil Technology on all condenser coils
- High- and low-pressure switches
- 2 inch deep filters standard
- Low Ambient cooling operation down to 35°F outside air temperature
- Cranckase heater
- Single-point power entry
- Multi-stage capability
- Heat kits sold separately



Order #	Mfg. #	Nom. Tons	BtuH Cooling	EER	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
208/230V										
B62-647	DBC1803V000001S	15	180,000	11.0	6,000	71.4	133-177/500"	50-3/4"	88-29/250"	1,965
B62-649	DBC2403V000001S	20	240,000	10.0	7,000	125.0	133-177/500"	50-3/4"	88-29/250"	2,085
B62-651	DBC3003V000001S	25	290,000	10.2	8,200	175.0	133-177/500"	53-53/250"	88-29/250"	2,119
460V										
B62-648	DBC1804V000001S	15	180,000	11.0	6,000	34.3	133-177/500"	50-3/4"	88-29/250"	1,965
B62-650	DBC2404V000001S	20	240,000	10.0	7,000	50.0	133-177/500"	50-3/4"	88-29/250"	2,085
B62-652	DBC3004V000001S	25	290,000	10.2	8,200	70.0	133-177/500"	53-53/250"	88-29/250"	2,119

Single Packaged Gas/Electric Air Conditioners

13 SEER, Three-Phase, 3 To 5 Ton, 80% AFUE, R410A, Multi-Position



- Energy-efficient compressor with internal relief valve
- Copper tube/aluminum fin coil with flowrater expansion device
- PSC blower motor on 3 Ton unit; EEM motor on 4 & 5 Ton units
- Aluminized steel tubular heat exchanger
- Gas valve for natural gas
- Direct spark ignition system
- Fully insulated blower compartment
- Complies with California LoNOx requirements
- 208/230V

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	BtuH Heating Output	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
B74-129	DP13GM3609043	3	35,000	92,000	73,600	17.6	47"	34-3/4"	51"	490
B74-130	DP13GM4809043	4	46,000	92,000	73,600	23.6	47"	42-3/4"	51"	523
B74-131	DP13GM6009043	5	56,500	92,000	73,600	29.0	47"	42-3/4"	51"	533

Single Packaged Gas/Electric Air Conditioners

14 SEER, Three-Phase, 3 To 5 Ton, 81% AFUE, R410A, Multi-Position



- Energy-efficient compressor with internal relief valve
- EEM blower motor
- Stainless steel heat exchanger
- Direct-spark ignition system
- Gas valve for natural gas with easy conversion to propane
- Copper tube/aluminum fin coil
- All aluminum evaporator coils
- Fully insulated blower compartment
- Fully insulated cabinet
- Flow-rater expansion device on 3 and 4 ton
- TXV expansion device on 5-ton units
- 208/230V

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	BtuH Heating Output	EER	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
B79-255	DP14GM3608043	3	34,200	80,000	64,800	11.0	1,200	16.6	47"	34-3/4"	51"	458
B79-257	DP14GM6108043	5	57,000	80,000	64,800	11.0	1,750	29.3	47"	42-3/4"	51"	533
B79-258	DP14GM6112043	5	57,000	120,000	97,200	11.0	1,750	29.3	47"	42-3/4"	51"	543

Single Packaged Gas/Electric Air Conditioners

14 SEER/11.5 EER, Three-Phase, 3 to 5 Ton, R410A, Belt Drive



- Scroll compressor
- High and low pressure switches
- Copper tube/aluminum fin coils
- 5mm Smart Coil Technology on all condenser coils
- Motor with thermal overload and phase failure protection
- 24-volt electro-mechanical controls package
- Standard terminal blocks
- Full perimeter base rail
- Optional field installed LP kits

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	BtuH Heating Output	EER	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
Belt Drive-Standard Static - 208/230V												
B62-824	DBG0483BH00001S	4	46,500	115,000	92,000	11.5	1,470	21.2	74"	39-7/8"	48-5/16"	644
Belt Drive-High Static - 208/230V												
B62-837	DBG0363CL00001F	3	35,000	45,000	36,000	11.5	1,160	17.4	74"	39-7/8"	48-5/16"	586
B62-838	DBG0363CM00001F	3	35,000	70,000	56,000	11.5	1,160	17.4	74"	39-7/8"	48-5/16"	599
B62-839	DBG0363CH00001F	3	35,000	90,000	72,000	11.5	1,160	17.4	74"	39-7/8"	48-5/16"	608
B62-840	DBG0483CL00001F	4	46,500	70,000	56,000	11.5	1,470	21.2	74"	39-7/8"	48-5/16"	631
B62-841	DBG0483CM00001F	4	46,500	90,000	72,000	11.5	1,470	21.2	74"	39-7/8"	48-5/16"	637
B62-842	DBG0483CH00001F	4	46,500	115,000	92,000	11.5	1,470	21.2	74"	39-7/8"	48-5/16"	644
B62-843	DBG0603CL00001F	5	57,000	90,000	72,000	11.5	1,640	25.1	74"	39-7/8"	48-5/16"	663
B62-844	DBG0603CM00001F	5	57,000	115,000	92,000	11.5	1,640	25.1	74"	39-7/8"	48-5/16"	663
B62-845	DBG0603CH00001F	5	57,000	140,000	112,000	11.5	1,640	25.1	74"	39-7/8"	48-5/16"	670
Belt Drive-High Static - 460V												
B62-846	DBG0364CL00001F	3	35,000	45,000	36,000	11.5	1,160	9.39	74"	39-7/8"	48-5/16"	586
B62-847	DBG0364CM00001F	3	35,000	70,000	56,000	11.5	1,160	9.39	74"	39-7/8"	48-5/16"	599
B62-848	DBG0364CH00001F	3	35,000	90,000	72,000	11.5	1,160	9.39	74"	39-7/8"	48-5/16"	608
B62-849	DBG0484CL00001F	4	46,500	70,000	56,000	11.5	1,470	10.0	74"	39-7/8"	48-5/16"	631
B62-850	DBG0484CM00001F	4	46,500	90,000	72,000	11.5	1,470	10.0	74"	39-7/8"	48-5/16"	637
B62-851	DBG0484CH00001F	4	46,500	115,000	92,000	11.5	1,470	10.0	74"	39-7/8"	48-5/16"	644
B62-852	DBG0604CL00001F	5	57,000	90,000	72,000	11.5	1,640	11.2	74"	39-7/8"	48-5/16"	663
B62-853	DBG0604CM00001F	5	57,000	115,000	92,000	11.5	1,640	11.2	74"	39-7/8"	48-5/16"	663
B62-854	DBG0604CH00001F	5	57,000	140,000	112,000	11.5	1,640	11.2	74"	39-7/8"	48-5/16"	670

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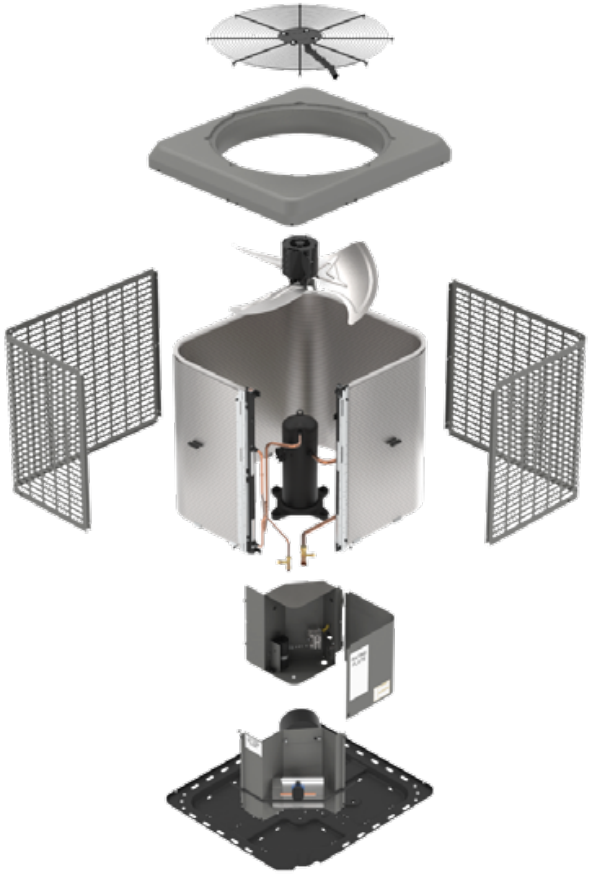

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Gas/Electric Packaged Air Conditioners

Up to 17 IEER/13.0 EER, 81% Thermal Efficiency, Three-Phase, 3 To 6 Ton, R410A

- Scroll compressor
- High and low pressure switches
- Copper tube/aluminum fin coils
- 5mm Smart Coil Technology on all condenser coils
- ECM Direct-Drive motor with thermal overload and phase failure protection
- 24-volt electro-mechanical controls package
- Standard terminal blocks
- Full perimeter base rail
- Single point entry

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	BtuH Heating Output	EER	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
Low Heat - 208/230V												
B63-293	DRG0363DL00001S	3	36,000	45,000	36,500	12.8	1,200	21.2	74"	39-7/8"	48-5/16"	572
B63-296	DRG0483DL00001S	4	48,000	70,000	56,700	12.8	1,600	25.4	74"	43-1/2"	48-5/16"	647
B63-299	DRG0603DL00001S	5	60,000	70,000	56,700	13.0	2,000	30.0	74"	43-1/2"	48-5/16"	655
B64-751	DRG0723DL00001S	6	72,000	70,000	56,700	12.1	2,400	28.2	74"	53-3/4"	48-5/16"	705
Medium Heat - 208/230V												
B63-294	DRG0363DM00001S	3	36,000	70,000	56,700	12.8	1,200	21.2	74"	39-7/8"	48-5/16"	572
B63-297	DRG0483DM00001S	4	48,000	115,000	93,200	12.8	1,600	25.4	74"	43-1/2"	48-5/16"	647
B63-300	DRG0603DM00001S	5	60,000	115,000	93,200	13.0	2,000	30.0	74"	43-1/2"	48-5/16"	655
B64-752	DRG0723DM00001S	6	72,000	125,000	101,300	12.1	2,400	28.2	74"	53-3/4"	48-5/16"	705
High Heat - 208/230V												
B63-295	DRG0363DH00001S	3	36,000	115,000	93,200	12.8	1,200	21.2	74"	39-7/8"	48-5/16"	572
B63-298	DRG0483DH00001S	4	48,000	140,000	113,400	12.8	1,600	25.4	74"	43-1/2"	48-5/16"	647
B63-301	DRG0603DH00001S	5	60,000	140,000	113,400	13.0	2,000	30.0	74"	43-1/2"	48-5/16"	655
B64-753	DRG0723DH00001S	6	72,000	150,000	121,500	12.1	2,400	28.2	74"	53-3/4"	48-5/16"	705
Low Heat - 460V												
B64-742	DRG0364DL00001S	3	36,000	45,000	36,500	12.8	1,200	9.4	74"	39-7/8"	48-5/16"	572
B64-745	DRG0484DL00001S	4	48,000	70,000	56,700	13.0	1,600	25.4	74"	43-1/2"	48-5/16"	647
B64-748	DRG0604DL00001S	5	60,000	70,000	56,700	12.1	2,000	16.4	74"	43-1/2"	48-5/16"	655
B64-754	DRG0724DL00001S	6	72,000	70,000	56,700	12.1	2,400	13.2	74"	53-3/4"	48-5/16"	705
Medium Heat - 460V												
B64-743	DRG0364DM00001S	3	36,000	70,000	56,700	12.8	1,200	9.4	74"	39-7/8"	48-5/16"	572
B64-746	DRG0484DM00001S	4	48,000	115,000	93,200	13.0	1,600	25.4	74"	43-1/2"	48-5/16"	647
B64-749	DRG0604DM00001S	5	60,000	115,000	93,200	12.1	2,000	16.4	74"	43-1/2"	48-5/16"	655
B64-755	DRG0724DM00001S	6	72,000	125,000	101,300	12.1	2,400	13.2	74"	53-3/4"	48-5/16"	705
High Heat - 460V												
B64-744	DRG0364DH00001S	3	36,000	115,000	93,200	12.8	1,200	9.4	74"	39-7/8"	48-5/16"	572
B64-747	DRG0484DH00001S	4	48,000	140,000	113,400	13.0	1,600	25.4	74"	43-1/2"	48-5/16"	647
B64-750	DRG0604DH00001S	5	60,000	140,000	113,400	12.1	2,000	16.4	74"	43-1/2"	48-5/16"	655
B64-756	DRG0724DH00001S	6	72,000	150,000	121,500	12.1	2,000	13.2	74"	53-3/4"	48-5/16"	705

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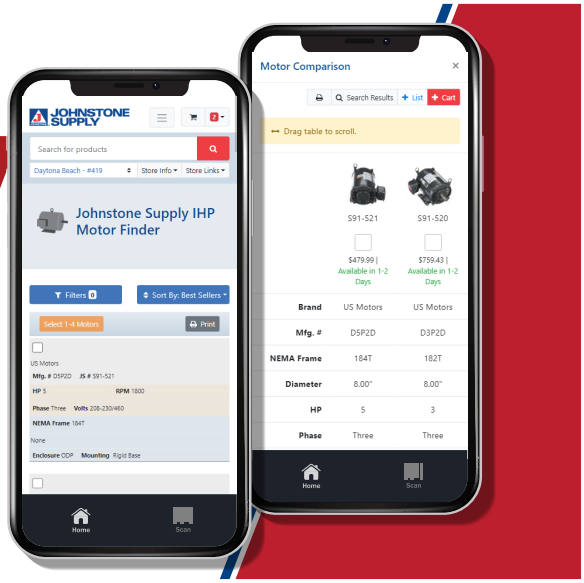

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Gas/Electric Packaged Air Conditioners

Up to 17 IEER/13.0 EER, 81% Thermal Efficiency, Three-Phase, 7.5 To 12.5 Ton, R410A

- Scroll compressor
- High and low pressure switches
- Copper tube/aluminum fin coils
- 5mm Smart Coil Technology on all condenser coils
- ECM Direct-Drive motor with thermal overload and phase failure protection
- 24-volt electro-mechanical controls package
- Standard terminal blocks
- Full perimeter base rail
- Single point entry



Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	BtuH Heating Output	EER	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
Low Heat - 208/230V												
B64-793	DRG0903DL00001S	7.5	90,000	130,000	105,300	12.2	3,000	41.6	93-3/4"	54-9/20"	60-3/8"	1,162
B64-799	DRG1023DL00001S	8.5	102,000	130,000	105,300	12.2	3,100	44.6	93-3/4"	54-9/20"	60-3/8"	1,173
B64-805	DRG1203DL00001S	10	115,000	130,000	105,300	12.2	3,550	47.8	93-3/4"	54-9/20"	60-3/8"	1,192
B64-811	DRG1503DL00001S	12.5	137,000	130,000	105,300	11.5	3,800	60.7	93-3/4"	58-3/5"	60-3/8"	1,270
Medium Heat - 208/230V												
B64-794	DRG0903DM00001S	7.5	90,000	180,000	145,800	12.2	3,000	41.6	93-3/4"	54-9/20"	60-3/8"	1,172
B64-800	DRG1023DM00001S	8.5	102,000	180,000	145,800	12.2	3,100	44.6	93-3/4"	54-9/20"	60-3/8"	1,183
B64-806	DRG1203DM00001S	10	115,000	180,000	145,800	12.2	3,550	47.8	93-3/4"	54-9/20"	60-3/8"	1,202
B64-812	DRG1503DM00001S	12.5	137,000	180,000	145,800	11.5	3,800	60.7	93-3/4"	58-3/5"	60-3/8"	1,280
High Heat - 208/230V												
B64-795	DRG0903DH00001S	7.5	90,000	225,000	182,250	12.2	3,000	41.6	93-3/4"	54-9/20"	60-3/8"	1,181
B64-801	DRG1023DH00001S	8.5	102,000	225,000	182,250	12.2	3,100	44.6	93-3/4"	54-9/20"	60-3/8"	1,192
B64-807	DRG1203DH00001S	10	115,000	240,000	194,400	12.2	3,550	47.8	93-3/4"	54-9/20"	60-3/8"	1,215
B64-813	DRG1503DH00001S	12.5	137,000	240,000	194,400	11.5	3,800	60.7	93-3/4"	58-3/5"	60-3/8"	1,293
Low Heat - 460V												
B64-796	DRG0904DL00001S	7.5	90,000	130000	105,300	12.2	3,000	20.8	93-3/4"	54-9/20"	60-3/8"	1,162
B64-802	DRG1024DL00001S	8.5	102,000	130,000	105,300	12.2	3,100	21.4	93-3/4"	54-9/20"	60-3/8"	1,173
B64-808	DRG1204DL00001S	10	115,000	130,000	105,300	12.2	3,550	23	93-3/4"	54-9/20"	60-3/8"	1,192
B64-814	DRG1504DL00001S	12.5	137,000	130,000	105,300	11.5	3,800	32.3	93-3/4"	58-3/5"	60-3/8"	1,270
Medium Heat - 460V												
B64-797	DRG0904DM00001S	7.5	90,000	180,000	145,800	12.2	3,000	20.8	93-3/4"	54-9/20"	60-3/8"	1,172
B64-803	DRG1024DM00001S	8.5	102,000	180,000	145,800	12.2	3,100	21.4	93-3/4"	54-9/20"	60-3/8"	1,183
B64-809	DRG1204DM00001S	10	115,000	180,000	145,800	12.2	3,550	23	93-3/4"	54-9/20"	60-3/8"	1,202
B64-815	DRG1504DM00001S	12.5	137,000	180,000	145,800	11.5	3,800	32.3	93-3/4"	58-3/5"	60-3/8"	1,280
High Heat - 460V												
B64-798	DRG0904DH00001S	7.5	90,000	225,000	182,250	12.2	3,000	20.8	93-3/4"	54-9/20"	60-3/8"	1,181
B64-804	DRG1024DH00001S	8.5	102,000	225,000	182,250	12.2	3,100	21.4	93-3/4"	54-9/20"	60-3/8"	1,192
B64-810	DRG1204DH00001S	10	115,000	240,000	194,400	12.2	3,550	23	93-3/4"	54-9/20"	60-3/8"	1,215
B64-816	DRG1504DH00001S	12.5	137,000	240,000	194,400	11.5	3,800	32.3	93-3/4"	58-3/5"	60-3/8"	1,293

Air Conditioning Condensing Units

13 SEER & 13.4 SEER2, Three-Phase, 3 To 5 Ton, R410A

- Energy-efficient compressor
- Factory-installed filter-drier
- Copper tube enhanced aluminum fin coil
- Service valves with sweat connections and easy access gauge ports
- Contactor with lug connection
- Top and side maintenance access
- Steel louver coil When properly anchored, meets the 2020 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available)
- Note: * 7/8" to 1-1/8" adapter required for suction line connection on 4T and 5T units.



Order #	Mfg. #	Nom. Tons	BtuH Cooling	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
13 SEER -208/230V											
B74-084	DX13SA0363	3	36,000	14.1	20	3/8"	3/4"	29"	28-3/4"	29"	196
B74-085	DX13SA0483	4	48,000	17.6	30	3/8"	1-1/8" *	29"	36-1/4"	29"	190
B74-111	DX13SA0603	5	60,000	21.3	35	3/8"	1-1/8" *	35-1/2"	38-1/4"	35-1/2"	301
13 SEER - 460V											
B74-086	DX13SA0484	4	48,000	8.4	15	3/8"	1-1/8" *	29"	36-1/4"	29"	189
B74-112	DX13SA0604	5	60,000	10.6	15	3/8"	1-1/8" *	35-1/2"	38-1/4"	35-1/2"	301
13.4 SEER2 - 208/230V											
B67-268	DX3SEA3630	3	36,000	13.3	20	3/8"	3/4"	29"	29"	32-1/2"	163
B67-269	DX3SEA4830	4	48,000	18.4	35	3/8"	3/4"	35-1/2"	35-1/2"	35-3/4"	231
B67-270	DX3SEA6030	5	60,000	20.4	35	3/8"	7/8"	35-1/2"	35-1/2"	39-1/2"	240
13.4 SEER2 - 460V											
B67-271	DX3SEA3640	3	36,000	7.8	15	3/8"	7/8"	29"	29"	32-1/2"	164
B67-272	DX3SEA4840	4	48,000	8.5	15	3/8"	7/8"	35-1/2"	35-1/2"	35-3/4"	231
B67-273	DX3SEA6040	5	60,000	9.5	15	3/8"	7/8"	35-1/2"	35-1/2"	39-1/2"	240

Heat Pumps

14.3 SEER2, Three-Phase, 3 To 5 Ton, R410A



- Energy-efficient scroll compressor
- Low pressure switch
- Liquid refrigerant return protection
- Factory installed, bi-flow liquid line filter drier
- Copper tube/enhanced aluminum fin coil
- Service valves with sweat connections and easy-access gauge ports
- Reliable time-initiated, temperature-terminated defrost control
- Contactor with lug connection
- Ground lug connection
- Steel louver coil guard
- Top and side maintenance access
- When properly anchored, meets the 2020 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available)

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
14.3 SEER2 - 208/230V												
B67-274	DZ4SEA3630	3	36,000	36,000	14.5	25	3/8"	7/8"	35-1/2"	39-10/16"	35-1/2"	233
B67-275	DZ4SEA4830	4	48,000	48,000	18.0	30	3/8"	7/8"	35-1/2"	36-7/16"	35-1/2"	292
B67-276	DZ4SEA6030	5	60,000	60,000	20.4	35	3/8"	7/8"	35-1/2"	41-10/16"	35-1/2"	321
14.3 SEER2 - 460V												
B67-277	DZ4SEA3640	3	36,000	36,000	7.4	15	3/8"	7/8"	35-1/2"	39-10/16"	35-1/2"	236
B67-278	DZ4SEA4840	4	48,000	48,000	8.7	15	3/8"	7/8"	35-1/2"	36-7/16"	35-1/2"	295
B67-279	DZ4SEA6040	5	60,000	60,000	9.5	15	3/8"	7/8"	35-1/2"	41-10/16"	35-1/2"	321

Air Handlers

Commercial DAT Series, Multi-Position, Two-Speed



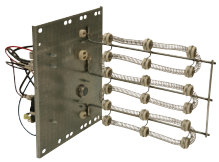
- Upflow or horizontal left positions in 7-1/2 & 10 ton cooling only or heat pump applications
- 2-speed blower motor
- TXV control
- Draw-thru belt centrifugal blower
- Horizontal and vertical condensate pans
- Copper tube /aluminum fin coils
- Entry on top panel for both low and high voltage
- Built-in filter rack with 2" filter supplied
- Removable access panels
- AHKD heat kits sold separately

Note: * For two refrigerant lines

Order #	Mfg. #	Nom. Tons	Min. Circuit Amps	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
208/230V									
L93-323	DAT09043	7-1/2	7.5	3/8" (2)*	1-1/8" (2)*	48-1/8"	24"	60-1/2"	430
L93-325	DAT12043	10	7.5	3/8" (2)*	1-1/8" (2)*	48-1/8"	24"	60-1/2"	430
460V									
L93-324	DAT09044	7-1/2	3.63	3/8" (2)*	1-1/8" (2)*	48-1/8"	24"	60-1/2"	430
L93-326	DAT12044	10	3.63	3/8" (2)*	1-1/8" (2)*	48-1/8"	24"	60-1/2"	430

Heat Kits

Single-Phase



- For use with Goodman & Daikin packaged air conditioners and heat pumps
- 208/240V

Order #	Mfg. #	Nom. kW	For Use With
L80-209	EHK1-10	10.0	GPH16M/DPH16M/DTC/DTH 3-6 Ton
L80-213	EHK1-15	15.0	GPH16M/DPH16M/DTC/DTH 3-6 Ton
L80-267	EHK1-18	18.0	GPH16M/DPH16M/DTC/DTH 3-6 Ton
L80-217	EHK1-20	20.0	GPH16M/DPH16M/DTC/DTH 3-6 Ton

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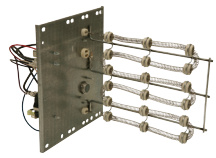
Heat Kits

Three-Phase

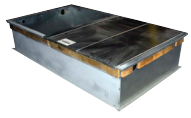
- For use with Daikin packaged air conditioners and heat pumps
- 208/240V



Order #	Mfg. #	Nom. kW	Volts	For Use With
L80-210	EHK3-10	10.0	208/240	CPC/CPH/DCC/DCH 3-6 Ton
L80-214	EHK3-15	15.0	208/240	CPC/CPH/DCC/DCH 3-6 Ton
L80-268	EHK3-16	16.0	208/240	DCC/DCH 7.5-12.5 Ton
L80-269	EHK3-18	18.0	208/240	CPC/CPH 4 Ton
L80-218	EHK3-20	20.0	208/240	CPC/CPH/DCH/DCC/DCH 5-6 Ton
L80-270	EHK3-30	30.0	208/240	DCC/DCH 7.5-12.5 Ton
L80-980	EHK3-31	28.8	208/240	CPC180***3B
L80-271	EHK3-45	45.0	208/240	DCC/DCH 7.5-12.5 Ton
L80-981	EHK3-46	43.2	208/240	CPC 15-20Ton
L80-982	EHK3-60	57.6	208/240	CPC 15-20Ton
L81-014	EHK3-75	72.0	208/240	CPC 20Ton

Order #	Mfg. #	Nom. kW	Volts	For Use With
L80-211	EHK4-10	10.0	460	CPC/CPH/DCC/DCH 3-6 Ton
L80-215	EHK4-15	15.0	460	CPC/CPH/DCC/DCH 3-6 Ton
L80-272	EHK4-16	16.0	460	DCC/DCH 7.5-12.5 Ton
L80-273	EHK4-18	18.0	460	CPC/CPH 4 Ton
L80-219	EHK4-20	20.0	460	CPC/CPH 5-6 Ton
L80-274	EHK4-30	30.0	460	DCC/DCH 7.5-12.5 Ton
L81-015	EHK4-31	28.8	460	CPC180***3B
L80-275	EHK4-45	45.0	460	DCC/DCH 7.5-12.5 Ton
L81-016	EHK4-46	43.2	460	CPC 15-20Ton
L81-017	EHK4-60	57.6	460	CPC 15-20Ton
L81-018	EHK4-75	72.0	460	CPC 20Ton

Roof Curbs



Order #	Mfg. #	Description	For Use With	Wt. Lbs.
X92-881	D14CRBPGCHMA	14" Roof Curb	DP13G/C/HM All Chassis	75
X92-882	D2612ADJCRBMA	2/12-6/12 Adjustable Pitch Curb	DPG/C/H -M 2-5 Ton	80

Square to Round Converters



Order #	Mfg. #	Description	For Use With	Wt. Lbs.
X82-636	DDNSQRD3616	3T Downflow Square to Round Adapter 16"	DCG/C/H 3 Ton	15
X82-638	DDNSQRD9020	7-1/2T Downflow Square to Round Adapter 20"	DCG/C/H 7.5 Ton	60

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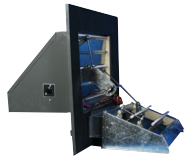
Economizers

- Field installed accessories
- Downflow and horizontal applications


A


B


C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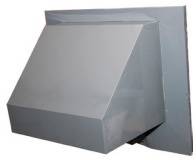
E

Fig.	Order #	Mfg. #	Description	For Use With	Wt. Lbs.
A	**B74-586**	DDNECNJ90150	Downflow Economizer w/Jade Control	DCG/C/H 7.5-12.5 Ton	135
A	**B74-594**	DDNECNJ180300	Downflow Economizer w/Jade Control	DCG/C/H 15-25 Ton	250
A	**B74-595**	DDNECNJ3672	Downflow Economizer w/Jade Control	DCG/C/H 3-6 Ton	75
A	**B74-596**	DHZECNJ3672	Horizontal Economizer w/Jade Control	DCG/C/H 3-6 Ton	75
A	**B74-597**	DHZECNJ90150	Horizontal Economizer w/Jade Control	DCG/C/H 7.5-12.5 Ton	110
B	**B74-587**	DDNECNJPCHHA	Downflow Jade Economizer	DP13C/HH All Chassis	85
B	**B74-592**	DHZECNJPGCHL	Horizontal Jade Economizer	DP13G/C/HM Large Chassis	80
B	**B74-593**	DHZECNJPGCHM	Horizontal Jade Economizer	DP13G/C/HM Medium Chassis	75
B	**B77-963**	PGEDJ101/102	Downflow Jade Economizer	M-Series Gas Package Units Medium Chassis	65
B	**B79-375**	PGEDJ103	Downflow Jade Economizer	M Series Gas Package Unit, Large Chassis: GPC14M(48- 60), CP-G13XXM43(48-60), GPD13XXM43(48-60), APG16M(48-60)	65
C	**B74-588**	DDNECNJPCHML	Downflow Jade Economizer	DP13C/HM Large Chassis	65
C	**B74-589**	DDNECNJPCHMM	Downflow Jade Economizer	DP13C/HM Medium Chassis	65
C	**B79-374**	GPJMED102	Downflow Jade Economizer	M Series Packaged A/C and Heat Pump Medium Chassis: GPH16(24-42), APH16M(24-42), DGPC14M(24-42)	65
C	**X93-149**	GPJMED103	Downflow Jade Economizer	M-Series Packaged A/C & Heat Pumps Large Chassis	65
D	**B74-590**	DDNECNJPGML	Downflow Jade Economizer	DP13GM Large Chassis	65
D	**B74-591**	DDNECNJPGMM	Downflow Jade Economizer	DP13GM Medium Chassis	65
E	**B79-628**	HZECONJ18-60	Enthalpy Horizontal Jade Economizer	Split Systems Single	85
—	**B79-629**	UFECONJ18-60	Upflow Jade Economizer	Split Systems all Fuels	85

Manual And Motorized Air Dampers


A


B


C


D

Fig.	Order #	Mfg. #	Description	For Use With	Wt. Lbs.
A	**B74-570**	DDN25FDPGCHML	Manual Air Damper	DP13G/C/HM Large Chassis	14
A	**B74-571**	DDN25FDPGCHMM	Manual Air Damper	DP13G/C/HM Medium Chassis	14
A	**B74-572**	DDN25MFDPGCHML	Motorized Air Damper	DP13G/C/HM Large Chassis	15
A	**B74-573**	DDN25MFDPGCHMM	Motorized Air Damper	DP13G/C/HM Medium Chassis	15
B	**B74-574**	DHZ25FDPGCHML	Manual Air Damper	DP13G/C/HM Large Chassis	19
B	**B74-575**	DHZ25FDPGCHMM	Manual Air Damper	DP13G/C/HM Medium Chassis	17
B	**B74-576**	DHZ25FDPGCHMS	Manual Air Damper	DP13G/C/HM Small Chassis	16
B	**B74-577**	DHZ25MFDPGCHML	Motorized Air Damper	DP13G/C/HM Large Chassis	20
B	**B74-578**	DHZ25MFDPGCHMM	Motorized Air Damper	DP13G/C/HM Medium Chassis	18
B	**B74-579**	DHZ25MFDPGCHMS	Motorized Air Damper	DP13G/C/HM Small Chassis	17
C	**B74-580**	D25FD180300	Manual Air Damper	DCG/C/H 15-25 Ton	60
C	**B74-581**	D25FD3672	Manual Air Damper	DCG/C/H 3-6 Ton	11
C	**B74-582**	D25FD90150	Manual Air Damper	DCG/C/H 7.5-12.5 Ton	11
D	**B74-583**	D25MFD180300	Motorized Air Damper	DCG/C/H 15-25 Ton	61
D	**B74-584**	D25MFD3672	Motorized Air Damper	DCG/C/H 3-6 Ton	16
D	**B74-585**	D25MFD90150	Motorized Air Damper	DCG/C/H 7.5-12.5 Ton	18

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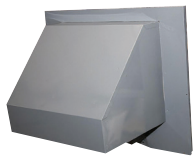
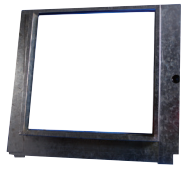
Barometric Relief Damper

- Allows air to move from the space to outside via the return air duct



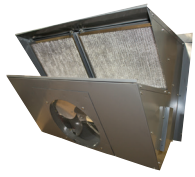
Order #	Mfg. #	Description	For Use With	Wt. Lbs.
B74-598	DBRD3672	Barometric Relief Damper	DCG/C/H 3-20 Ton	11

Internal and Extenal Filter Racks



Order #	Mfg. #	Description	For Use With	Wt. Lbs.
L81-400	DDNIFRPCHML	Downflow Filter Rack	DP13C/HM Large Chassis	15
L81-401	DDNIFRPCHMM	Downflow Filter Rack	DP13C/HM Medium Chassis	18
L81-402	DDNIFRPGA	Downflow Filter Rack	DP13GM All Chassis	6
L81-403	DDNIFRPGMM	Downflow Filter Rack	DP13GM Medium Chassis	6
L81-404	DHZIFRPGCHA	Horizontal Internal Filter Rack	DP13G/C/HM All Chassis	8
L81-405	DPHFRA	Horizontal External Filter Rack	DP13G/C/H -M/H All Chassis	13

Power Exhausts



Order #	Mfg. #	Description	For Use With	Wt. Lbs.
X92-883	DPE1803002	Power Exhaust 208-230V	DCG/C/H 15-25 Ton 208-230V	175
X92-884	DPE1803004	Power Exhaust 460V	DCG/C/H 15-25 Ton 460V	175
X92-885	DPE1803007	Power Exhaust 575V	DCG/C/H 15-25 Ton 575V	175
X92-886	DPE36722	Power Exhaust 208-230V	DCG/C/H 3-6 Ton 208-230V	35
X92-887	DPE36724	Power Exhaust 460V	DCG/C/H 3-6 Ton 460V	35
X92-888	DPE36727	Power Exhaust 575V	DCG/C/H 3-6 Ton 575V	35
X92-889	DPE901502	Power Exhaust 208-230V	DCG/C/H 7.5-12.5 Ton 208-230V	85
X92-890	DPE901504	Power Exhaust 460V	DCG/C/H 7.5-12.5 Ton 460V	85
X92-891	DPE901507	Power Exhaust 575V	DCG/C/H 7.5-12.5 Ton 575V	85

Jumper Harnesses

- For use with Daikin economizers



A



B

Fig.	Order #	Mfg. #	Description	For Use With	Wt. Lbs.
A	**X72-158**	WHJTO72123672	Jumper Harness	DCG/C/H TO DN/HZECONGS/HP3672B	0.5
B	**X72-159**	WH7212TOJ3672	Jumper Harness	CPG/C/H TO DDN/HZECNJ3672	0.5

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- Provide labor coverage, extended parts coverage and limited unit replacement coverage
- Designed to complement Goodman standard manufacturer's warranty
- Three-phase products are not subject to Asure Extended Service coverage

Order #	Mfg. #	Description
Condenser, Heat Pump, Furnace or Air Handler		
B19-417	EWAC10L-NT	10-Year Labor Coverage R410A AC
B19-418	EWAC10LP-T	6-to 10-Year Parts and 10-Year Labor Coverage R410A AC
B19-419	EWAC5L-NT	5-Year Labor Coverage R410A AC
B19-420	EWACP-T	6- to 10-Year Parts Coverage AC
B19-421	EWACCP99-NT	99-Year Compressor Coverage AC
B19-422	EWHP10L-NT	10-Year Labor Coverage R410A HP
B19-423	EWHP10LP-T	6-to 10-Year Parts and 10-Year Labor Coverage R410A HP
B19-424	EWHP5L-NT	5-Year Labor Coverage R410A HP
B19-425	EWHPP-T	6- to 10-Year Parts Coverage HP
B19-426	EWCP99-NT	99-Year Compressor Coverage HP
L48-145	EWFN10L-NT	10-Year Labor Coverage Furnace
L48-146	EWFN10LP-T	6-to 10-Year Parts and 10-Year Labor Coverage Furnace
L48-147	EWFN5L-NT	5-Year Labor Coverage Furnace
L48-148	EWFNP-T	6-to 10-Year Parts Coverage Furnace
L48-149	EWAH10L-NT	10-Year Labor Coverage AH
L48-150	EWAH10LP-T	6-to 10-Year Parts and 10-Year Labor Coverage AH
L48-151	EWAH5L-NT	5-Year Labor Coverage AH
L48-152	EWAHP-T	6-to 10-Year Parts Coverage AH
L48-153	EWMB10L-NT	10-Year Labor Coverage MB
L48-154	EWMB10LP-T	6-to 10-Year Parts and 10-Year Labor Coverage MB
L48-155	EWMB5L-NT	5-Year Labor Coverage MB
L48-156	EWMBP-T	6-to 10-Year Parts Coverage MB
Packaged Cool, Gas/Electric and Heat Pumps		
B19-427	EWPG10L-NT	10-Year Labor Coverage R410A Residential Packaged Units
B19-428	EWPG10LP-T	6- to 10-Year Parts Coverage Residential Packaged Units
B19-429	EWPG5L-NT	5-Year Labor Coverage R410A Residential Packaged Units
B19-430	EWPGP-T	6- to 10-Year Parts Coverage Residential Packaged Units
Coils		
B19-432	EWCL10L-NT	10-Year Labor Coverage Coil
B19-433	EWCL10LP-T	6-to 10-Year Parts and 10-Year Labor Coverage Coil
B19-434	EWCL5L-NT	5-Year Labor Coverage Coil
B19-435	EWCLP-T	6-to 10-Year Parts Coverage Coil

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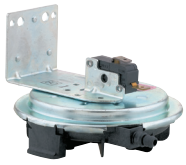
Pressure Switches

◀ NEW

Goodman Air Conditioning & Heating


A


B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G

Fig.	Order #	Mfg. #	Description
A	**B15-528**	0130R00057	Pressure Switch
A	**B18-134**	0130M00088SP	Cutout Low Pressure Switch
A	**L39-253**	0130R00058SP	Cutout Low Pressure Switch
B	**G33-204**	11112501S	Pressure Switch
B	**L38-041**	B1370156	Pressure Switch
B	**L38-043**	B1370126	Pressure Switch
B	**L38-271**	B1370148	Pressure Switch
B	**L38-272**	B1370150	Pressure Switch
B	**L39-256**	B1370157	Pressure Switch
B	**L39-257**	0130F00505S	Pressure Switch
B	**L39-258**	B1370159	Pressure Switch
B	**L39-259**	B1370160	Pressure Switch
B	**L39-262**	B1370133	Pressure Switch
B	**L39-263** ◀	0130F00504S	Pressure Switch
B	**L39-960**	B1370176	Air Pressure Switch 47 SP
B	**L39-961**	0130F00506S	Air Pressure Switch (.75)
B	**L40-531**	20197310	Pressure Switch
B	**L41-730**	20197308	Pressure Switch
B	**L41-731**	11177113	Pressure Switch
B	**L41-732**	20197312	Pressure Switch
B	**L41-733**	20197311	Pressure Switch

Fig.	Order #	Mfg. #	Description
B	**L41-735**	20197313	Pressure Switch
B	**L41-736**	0130F00002P	Pressure Switch
B	**L41-737**	0130F00004	Pressure Switch
B	**L41-738**	11177114	Pressure Switch
B	**L41-739**	0130F00001P	Pressure Switch
B	**L42-163**	10727920	Pressure Switch
B	**L42-184**	20197314	Pressure Switch
B	**L42-188**	C6456507	Pressure Switch
B	**L42-189**	C6456508	Pressure Switch
B	**L45-929**	0130F00041	Air Pressure Switch
C	**L47-709**	0130F00443S	Pressure Switch
C	**L47-711**	0130F00434S	Pressure Switch
C	**L47-718**	0130F00445S	Pressure Switch
D	**L47-712**	0130F00435S	Pressure Switch
D	**L47-713**	0130F00436S	Pressure Switch
E	**L47-714**	0130F00438S	Pressure Switch
E	**L47-716**	0130F00440	Pressure Switch
E	**L47-720**	0130F00479	Pressure Switch
E	**L47-721**	0130F00439S	Pressure Switch
F	**L47-722**	0130F00956	Pressure Switch
G	**L47-723**	0130F00957	Pressure Switch

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Limit Switches


A


B


C


D


E


F


G


H


I

Fig.	Order #	Mfg. #	Description
A	**L38-274**	1370901S	Limit Switch
A	**L39-245**	1370902S	Service Limit Switch
A	**L38-039**	1370903S	Limit Switch
A	**L38-270**	1370913S	Limit Switch
A	**L39-244**	1370900S	Service Limit Switch
A	**L39-246**	1370905S	Service Limit Switch
A	**L39-247**	1370906S	Service Limit Switch
A	**L38-040**	1370908S	Limit Switch
A	**L39-248**	1370909S	Service Limit Switch
A	**L39-249**	1370911S	Service Limit Switch
A	**L39-250**	1370912S	Service Limit Switch
A	**L38-269**	1370910S	Limit Switch
B	**L39-240**	B1370110	Spillage Switch 330V
B	**L39-241**	B1370115	Limit Control A36/42
C	**L39-239**	B1370106	Spillage Switch
D	**L39-252**	B1370155	Auxiliary Limit Switch, 120F
D	**L39-966**	B1370187	Primary Limit Switch, 160F
D	**L40-051**	B1370188	Primary Limit Switch, 170F
D	**L40-052**	B1370189	Primary Limit Switch, 200F
D	**L40-099**	B1370190	Primary Limit Switch, 210F
D	**L40-100**	B1370191	Primary Limit Switch, 220F
D	**L40-222**	B1370194	Primary Limit Switch, 250F

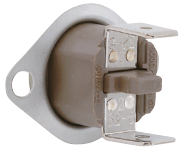
Fig.	Order #	Mfg. #	Description
D	**L40-223**	B1370195	Primary Limit Switch, 300F
D	**L40-225**	B1370919	Primary Limit Switch, 170F, 7" LG
E	**L42-069**	10728340	Limit Switch
E	**L39-251**	1370914S	Service Limit Switch
E	**L40-226**	B1370920	Primary Limit Switch, 180F, 7" LG
F	**L42-104**	10123525	Manual Reset Limit Switch
F	**L42-114**	10123539SP	Manual Reset Limit Switch
F	**L40-523**	20162903SP	Limit Switch
F	**L40-526**	20162906SP	Limit Switch
F	**L40-690**	20269903SP	Auxiliary Limit Switch
F	**L45-943**	0130F00035S	Primary Limit 220
F	**L45-939**	0130F00036SP	Limit Switch
F	**L42-044**	B1370113	Auxiliary Limit Switch
F	**L40-533**	B1370198	Primary Limit Switch, 150F
G	**L39-242**	B1370116	Limit Control A18-30
G	**L40-524**	20162904S	Limit Switch
H	**L45-224**	0130F00038S	Primary Limit
I	**L42-110**	10123532SP	Manual Reset Limit Switch
I	**L42-111**	10123533SP	Manual Reset Limit Switch
I	**L42-113**	10123535SP	Manual Reset Limit Switch
I	**L47-707**	0130F00071SP	Primary Limit Switch

Rollout Switches



Order #	Mfg. #	Description
L38-042	B1370108	Rollout Switch
L39-243	B1370154	Rollout Switch
L39-267	B1370144	Rollout Switch, 90 Deg. Term
L39-885	B1370145	Rollout Switch, 300 w/o Bracket

Temperature Switches



Order #	Mfg. #	Description
L39-265	B1370253	Stack Over Temperature Switch w/Sheath
L39-270	B1370109	Stack Over Switch, 150F
L39-959	B1370254	Stack Over Temperature Switch

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Circuit Breakers

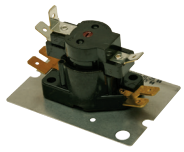


Order #	Mfg. #	Description
G32-605	CBK2PD240VC060S	Circuit Breaker, 60A
G80-437	CBK2PD240VC030S	Circuit Breaker HKR 30A

Relays



A



B



C

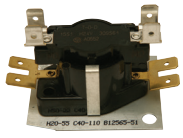


D

Fig.	Order #	Mfg. #	Description
A	**L39-274**	0130M00025SP	Relay, Combustion Motor 24V
B	**L37-544**	B1370738	Time Delay Relay
A	**L39-275**	0130M00129	Blower Relay, Wssex, 24V, SPDT

Fig.	Order #	Mfg. #	Description
C	**L42-213**	B1370772SP	Relay Time Delay 180 Sec
D	**L42-610**	22307801	Relay

Sequencers



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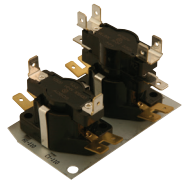


B



C

Fig.	Order #	Mfg. #	Description
A	**L42-264**	B1256559	Sequencer
B	**L39-278**	B1256553	Sequencer A-12/15KW

Fig.	Order #	Mfg. #	Description
C	**L39-279**	B1256554	Sequencer A48/60 A-20KW

Accumulators



Order #	Mfg. #	Description
L86-549	B1226206	Accumulator

Order #	Mfg. #	Description
L86-551	B1226207	Accumulator

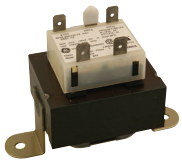
Solenoid Coils



Order #	Mfg. #	Description
B16-208	B1225022S	Solenoid Coil

Order #	Mfg. #	Description
L39-297	B1225017	24V Solenoid Coil

Goodman Air Conditioning & Heating



Transformers

Order #	Mfg. #	Description
L38-264	0130M00138	Transformer
L40-228	0130M00140S	Transformer

Order #	Mfg. #	Description
L42-409	0130M00329S	Transformer

Goodman Air Conditioning & Heating



Contactors

Order #	Mfg. #	Description
L38-265	CONT2P025024VS	Contactor
L40-145	CONT2P040024VS	Contactor

Order #	Mfg. #	Description
L42-428	CONT2P030024VS	Contactor

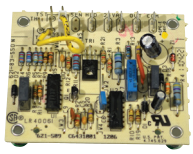
Goodman Air Conditioning & Heating



Thermostat

Order #	Mfg. #	Description
B12-380	0130M00105	Defrost Thermostat

Goodman Air Conditioning & Heating



Control Boards

Note: Individual product images available at www.JohnstoneSupply.com

Order #	Mfg. #	Description
B15-511	20293901	Defrost Control
B15-513	DFBK01	Defrost Control Board Kit
B18-135	PCBDM133S	Defrost Control Board
L38-048	B1809904S	Timed Fan Control
L38-267	B1809911S	Time Fan Control
L39-271	PCBAG123S	Integrated Ignition Control, DSI
L39-272	B1809923S	Integrated HIS Module
L40-536	PCBBF112S	HSI Board, 12-PIN
L40-537	PCBBF107S	HSI Board, 2-Stage Mini
L41-727	PCBBF162S	Integrated Control Board
L42-270	11074204	Control Board

Order #	Mfg. #	Description
L42-294	RSKP0013	Control Board
L43-208	PCBEM102S	Board ECM Primary
L43-226	PCBBF118S	Integrated Control Board
L43-227	PCBBF124S	Control Board Service Kit
L45-747	PCBJA104S	PCB, Control, Air Handler
L46-611	PCBKF105FS	Control Board
L46-655	B1809913S	Electronic Furnace Control Module
L47-708	PCBBF140S	PCB, Ignition
L49-663	PCBBF139SK	Control Board Kit
L87-364	20268501	DSI Control

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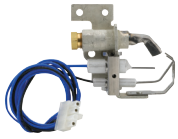
Ignitors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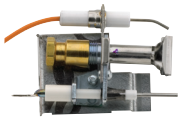
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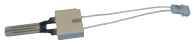
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K


L

Fig.	Order #	Mfg. #	Description
A	**L38-275**	B1401011S	Pilot Burner
A	**L39-280**	B1401012	Burner Ignitor
B	**L38-044**	B1370724	Ignition Module
C	**L38-045**	B1401003S	Pilot Assembly
D	**L40-068**	0230K00001	Ignitor Assembly
D	**L40-530**	20165703S	Ignitor
E	**L42-315**	0130F00008S	Ignitor
F	**L38-046**	B1401018S	Furnace Ignitor Assembly

Fig.	Order #	Mfg. #	Description
G	**L42-317**	10735003A	Ignitor
H	**L42-319**	20261709S	Ignitor
I	**L42-321**	D9918202A	Ignitor Assembly
J	**L42-323**	11111701S	SiNi Ignitor
K	**L42-326**	C6411103	Module Ignition
L	**L42-312**	RF000129	Ignition Control Kit (PCBBF117) (WR #50A55-288-05)

Sensors


A


B


C


D


E

Fig.	Order #	Mfg. #	Description
A	**L39-282**	B1172605	Flame Sensor
B	**L38-034**	B1172601	Spark Ignition Sensor

Fig.	Order #	Mfg. #	Description
C	**L38-035**	0130F00010S	Flame Sensor
D	**L42-334**	10735201	Flame Sensor

Fig.	Order #	Mfg. #	Description
E	**L42-335**	C6437502	Flame Sensor

Gas Valves


A


B


C


D

Fig.	Order #	Mfg. #	Description
A	**L39-286**	0151F00000PS	Gas Valve, HSI 2-Stage
B	**L47-661**	0151M00105S	Gas Valve

Fig.	Order #	Mfg. #	Description
C	**L87-379**	B1282602	Gas Valve Standard Pilot
D	**L38-273**	B1282619	Gas Valve

Service Burner Kits



Order #	Mfg. #	Description
L42-590	10735102S	Burner
L86-529	4022701S	Burner Kit (Service) 3 Cell
L86-530	4022702S	Burner Kit (Service) 4 Cell
L86-535	4022704S	Burner Kit (Service) 6 Cell
L96-739	B1822500S	Service Burner, 2 Tube, SS
L96-740	B1822501S	Service Burner, 3 Tube
L96-741	B1822507S	Service Burner, 4 Tube, SS
L96-742	B1822508S	Service Burner, 5 Tube, SS
L50-218	SKBSS80	80% Furnace Burner Kit
L50-219	SKBSS90	90% Furnace Burner Kit

Heat Exchangers

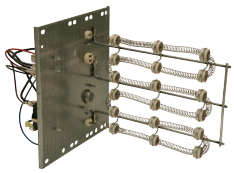


Note: Individual product images available at www.JohnstoneSupply.com

Order #	Mfg. #	Description
L93-196	0257F20127S	Heat Exchanger Assembly
L93-197	0257F20086S	Heat Exchanger Assembly
L93-202	0257F00366S	Heat Exchanger Assembly
L93-203	0257F00371S	Heat Exchanger Assembly
L93-206	0257F00376S	Heat Exchanger Assembly
L93-209	0257F20082S	Heat Exchanger Assembly
L93-210	0257F20081S	Heat Exchanger Assembly
L93-261	0257F20070S	Heat Exchanger
L93-266	0257F00373S	Heat Exchanger
L93-267	0257F00377S	Heat Exchanger
L93-268	0257F00391	Heat Exchanger
L93-269	0257F20102S	Heat Exchanger
L96-748	2521300S	Heat Exchanger Sub-Assy, 2 Cell
L96-749	2521301S	Heat Exchanger Sub-Assy, 3 Cell

Order #	Mfg. #	Description
L96-750	2521302S	Heat Exchanger Sub-Assy, 4 Cell
L96-753	2821300S	Heat Exchanger Sub-Assembly 3 Cell Service
L96-754	2821301S	Heat Exch Sub-Assy 4 Cell Service
L96-755	2821302S	Heat Exch Sub-Assy 5 Cell Service
L96-756	2821303S	Heat Exch Sub-Assy 6 Cell Service
L96-757	2864605S	Coil Secd Heat Exchanger, 17"
L96-760	2921304S	Heat Exchanger Assembly, Service 4C, M
L98-329	2921300S	Heat Exchanger
L98-330	2921301S	Heat Exchanger
L98-332	2921303S	Heat Exchanger
L98-333	2921305S	Heat Exchanger
L98-334	2921306S	Heat Exchanger
L98-335	2921307S	Heat Exchanger
L98-336	2921308S	Heat Exchanger

Electric Heat Elements



Order #	Mfg. #	Description
L42-638	B1037488S	Heat Element
L86-543	B1037489S	Heat Element w/Switch 14.25KW
L86-544	B1037485S	Heat Element w/Switch 4.75KW
L86-545	B1037487S	Heat Element w/Switch 7.5KW

Capillary Weld Assembly

Order #	Mfg. #	Description
B83-586	20284908	Capillary Weld Assembly

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Motors

Applications:
- For use with Goodman & Amana equipment

Note: Individual product images available at www.JohnstoneSupply.com


A


B


C

Fig.	Order #	Mfg. #	Description
Blower Motors			
A	**S80-419**	0131M00000PSP	Blower Motor (PSC) 3/4 HP, 1,075 RPM 3-Speed, 208/230V 1-Phase 60HZ 48 Frame 4.06FLA (YDK-550S64823-01)
A	**S80-420**	0131M00005PSP	Blower Motor (PSC) 1/3 HP, w/ Flex Mounts, 1,000RPM 3-Speed 208/230V 1.90FLA (Broad Ocean YDK-250S63223-02)
A	**S80-451**	10759415SP	Blower Motor (PSC), Direct Drive 3/4 HP 4-Speed 115V
A	**S80-452**	11091204SP	Blower Motor (PSC) 1/2HP 996/894/615 RPM 208/230V 3.9FLA (Broad Ocean YDK-370S64223-01)
A	**S80-472**	B13400702ABS	Blower Motor (ECM) Programmed, 1/2HP 1050RPM 120/240V (GE 5SME39HL0390A)
A	**S80-473**	B13400704ABS	Blower Motor (ECM) 3/4 HP Variable Speed
A	**S80-485**	BT1340030SP	Blower Motor (PSC) 1/5 HP, w/ Flex Mounts, 1,086 RPM 2-Speed 208/230V 1.3FLA (Broad Ocean YDK-150S62523-04)
A	**S80-487**	BT1340032S	Blower Motor (PSC) 1/4 HP, W/ Cradle 1/4HP 1,100 RPM, 208-230-1-60 48 Frame CW 1.20FLA (5KCP39HGV484BS)
A	**S80-517**	0131M00849SP	Blower Motor (PSC) 1/3HP, w/ Flex Mounts, 3-Speed 6PL, 208/230V 3.06FLA (Broad Ocean YDK-250S63523-02)
A	**S80-591**	0131M00010PSP	Blower Motor (PSC) 1/2HP
A	**S80-599**	11091202S	Blower Motor (PSC) (Service) 1/3 HP, w/ Flex Mounts, 1,014 RPM, 3-Speed 208/230V 1.8FLA (Broad Ocean YDK-250S63523-01)
A	**S80-661**	0131P00003S	Blower Motor (Double Shaft) 1100/850 RPM, 2-Speed 265-1-60 48 Frame CW 0.64FLA (YDK-100S62526-0)
A	**S81-305**	0131M01002S	Blower Motor (ECM) 1/2 HP,124/240-1-50/60 48 Frame 6.2/3.9FLA (M055PWCVT-0344)
A	**S81-570**	0131F00042SP	Blower Motor (PSC) 1/2HP 4SP/6PLW/ Flex Mount, 1,130 RPM, 115V 8.1FLA (Broad Ocean #Y7L623E21)
A	**S81-827**	0131M00383S	Blower Motor (ECM), 3/4 HP Programmed, 1,050 RPM 208/230V
A	**S82-248**	0131F00038S	Blower Motor - 1/2HP 115V 1PH 7.1A
A	**S82-252**	0131F00030S	Blower Motor 1/2HP
A	**S82-253**	0131F00031S	Blower Motor 3/4 HP
A	**S88-867**	B1340020S	Blower Motor (PSC) 1/2 HP, w/ Flex Mounts, 1,075 RPM 115V (GE #5KCP39KGT785S)
A	**S88-868**	B1340021S	Blower Motor (PSC) 1/3 HP, W/ Flex Mount, 1,050 RPM 115V 5.10FLA (GE #5KCP39FGV064AS)
A	**S88-869**	B1340023SP	Blower Motor (PSC), Direct Drive 3/4 HP, 1,075 RPM 3-Speed 115V
A	**S89-591**	B1340022S	Blower Motor, Direct Drive, 3/4HP, 115V, 3-Speed
A	**S89-592**	B13400312S	Blower Motor 1/3 HP, Direct Drive, w/ Torsion Mounts, 1,07 5RPM 208/230V 2.3FLA (Gentech 5KCP39GGP993AS)
A	**S89-593**	B13400313S	Blower Motor (PSC), W/ Flex Mount 1/5HP, 1,075 RPM 208/230V 1.7FLA (GE #5KCP39CGP874S)1/5HP, 208-230V, 2SP, 1.25 (Flex)
A	**S89-594**	B1340002S	Blower Motor (PSC), Shaded, w/ Flex Mounts - 1/3HP, 1,050 RPM, 115V 6.0FLA (GE 5KCP39HGY783S)
A	**S89-595**	B13400208S	Blower Motor (PSC) Kit, /4HP, 1,080 RPM 208/230V 4.3FLA (GE #5KCP39MFV938BS)
A	**S89-596**	B13400353S	Blower Motor (PSC), 2-Speedw/ Flex Mounts 1/2HP 1075/950RPM 208/230V 2.7 FLA (5KCP39KGR696S)
A	**S89-801**	20046618SP	Blower Motor (PSC), Direct Drive, W/ Flex Mount 3/4HP, 1,075 RPM 115V 4SPEED (Broad Ocean #YDK-550L66023-03)
A	**S89-803**	0231K00036A	Blower Motor (ECM) 1HP, 1,050 RPM 120/240-1-60 48 Frame 11/7FLA (5SME39SL0874)
A	**S89-804**	0231K00037A	Blower Motor (ECM) 1HP, 120/240V Programmed (GE 5SME39SL0874)
A	**S83-504**	0131F00041S	Blower Motor (PSC), Direct Drive, 1/3HP, 4-Speed 6PL
Condenser Fan Motors			
B	**S80-421**	0131M00012PSP	Condenser Fan Motor 1/6 HP, 835 RPM, 1-Speed 208/230V 1.0FLA (Broad Ocean #YDK-120S84062-01)
B	**S80-448**	10584308S	Condenser Fan Motor 1/6 HP, 825 RPM, 208/230V 1.0FLA (GE #5KCP39JFS301AS)
B	**S80-462**	B13400252S	Condenser Fan Motor 1/6HP 1SP 8PL, 220V, 1,075 RPM
B	**S80-466**	0131M00040S	Condenser Fan Motor 1HP, 1,110 RPM, 208-230-1-60 48 Frame CW 5.60FLA (5KCP39UFU336BS)
B	**S80-478**	B3240000S	Condenser Fan Motor 1/2HP, 1,100 RPM, 230-1-60 48 Frame CW 2.60FLA (5KCP39SGL261CS)
B	**S80-605**	10584313S	Condenser Fan Motor, 1/4HP 830RPM 1 Speed 208/230V Single Phase/60HZ 48 Frame 1.7FLA (5KCP39HFS264CS)
B	**S80-612**	0131M00009PSP	Condenser Fan Motor 1/6 HP, 815RPM, 1-Speed 208/230-1-60 48 Frame 1.10FLA (YDK-120S82562-01)
B	**S80-721**	10584307S	Condenser Fan Motor, 1/12HP 825RPM 208-230-1-60 48 Frame CW 0.60FLA (5KCP39CFS300CS)
B	**S81-582**	0131M00061SP	Condenser Fan Motor, 1/4HP, 1SP, 8PL, 1.50FLA (Broad Ocean #YDK-180S84062-01)
B	**S83-188**	0131M00827SP	Condenser Motor ECM
B	**S83-199**	0131M00804SP	Condenser Motor ECM
B	**S89-585**	B13400270S	Condenser Fan Motor, 208/230-60, 1-Speed, 830 RPM, 1/4HP
B	**S89-586**	0131M00847S	Condenser Fan Motor, 208/230-60, 1-Speed, 1 075 RPM, 1/4HP, PSC
B	**S89-587**	0131M00430SF	Condenser Fan Motor, 208/230-60, 1-Speed, 1,075 RPM, 1/3HP, PSC
B	**S89-588**	B13400251S	Condenser Fan Motor, 208/230-60, 1-Speed, 1075 RPM, 1/6HP, PSC, 208/230V 1.0FLA (GE # 5KCP39BGP870S)
B	**S89-602**	0131M00060SP	Condenser Fan Motor, 208/230-60, 1-Speed, 810 RPM,1/6HP, PSC
B	**S82-251**	0131M00118SP	Condenser Fan Motor - 1/6hp 208/230v-1 Phase 2 Speeds 8Pl
Draft Inducer Assemblies			
C	**S80-267**	B3233002	Draft Inducer Assembly 1/16HP 3000RPM 208/230V (Fasco #7062-4609)
C	**S80-414**	0131F00006S	Draft Inducer Assembly 3,000 RPM, 115-1-60 1.4FLA (J238-112-11258)
C	**S80-459**	20351403S	Draft Inducer Assembly 208/230-1-60 1.0/.90FLA (J238-15242)
C	**S80-732**	B4833001S	Draft Inducer Assembly 3200/2800RPM 2 Speeds 115-1-60 1.8/1.1FLA (5KSB46GF0003S)
C	**S80-741**	0131M00781PS	Draft Inducer Assembly, 2-Stage

continued on next page

Fig.	Order #	Mfg. #	Description
C	**S82-249**	0171M00001S	Draft Inducer Assembly
C	**S82-250**	0171M00002S	Draft Inducer Assembly
C	**S82-260**	0171M00003S	Draft Inducer Assembly
C	**S83-196**	0171M00008S	Draft Inducer Assembly
C	**S88-871**	B1859005S	Draft Inducer Assembly - 3000RPM 115V (Jakel #J2380-112-11258)
C	**S88-942**	B2833001S	Draft Inducer Assembly - 3400RPM 115V (Fasco #7021-9565)
C	**S89-589**	B4059000S	Draft Inducer Assembly - W/ Gasket 3000RPM 115V (Jakel #J238-112-11258)
C	**S89-590**	B4833000S	Draft Inducer Assembly - 3200RPM 115V (Revcor #77-161-000)
C	**S89-598**	B1859000	Draft Inducer Assembly - 1/50HP 3000RPM 115V (Packard #82483)
C	**S89-600**	B1940000	Draft Inducer Assembly .016, 208-230V, 1/40HP, 1-Speed, .5FL
C	**S89-601**	B2959000S	Draft Inducer Assembly - 208/230V (Fasco #7058-1484)
C	**S89-604**	B1859001S	Draft Inducer Assembly - 3,200 RPM 115V
C	**S89-811**	0131M00002PSP	Draft InducerAssembly 80% - W/ Gasket 3,000 RPM 115V (Broad Ocean #Y3L248B01)
C	**X71-331**	B3233003	Draft Inducer Assembly - 3000 RPM 208/230V (Fasco #7062-4611)
C	**X71-333**	0131G00000PS	Draft Inducer Assembly - 3000 RPM 230V
C	**X80-052**	11177202	Draft Inducer Assembly - 3100RPM 11V (Fasco 7021-9727)
C	**X80-054**	20044403	Draft Inducer Assembly 3000 RPM 115V (Jakel #J238-150-15253)
C	**X80-058**	D9886202	Draft Inducer Assembly 3000 RPM 208/240-1-60 .59/.50FLA (7021-9227)
C	**X80-059**	R0156743	Draft Inducer Assembly - 3000 RPM 115V (Fasco 7021-7302)
C	**X80-063**	11009003	Draft Inducer Assembly 3250 RPM 115-1-60 1.95FLA (7021-9574)
C	**X80-064**	20028901S	Draft Inducer Assembly 80% - W/ Gasket 3,000 RPM 115V (Broad Ocean #Y3L248B01)
C	**X80-067**	R0156744	Draft Inducer Assembly - 3450RPM 115V (Fasco #7062-4774)
C	**X82-427**	0271F00126S	Draft Inducer Assembly - 3300/2600RPM 115V (Fasco #7021-12495)

Goodman
Air Conditioning & Heating

Blower Wheels

Note: Individual product images available at www.JohnstoneSupply.com



Order #	Mfg. #	Description
W69-285	B1368035S	Blower Wheel (5-3/4" x 8")
W69-286	B1368042S	Blower Wheel (9" x 6")
W69-403	D6723306S	Blower Wheel
W69-595	0150M00042S	Blower Wheel
W69-596	0150M00043S	Blower Wheel
W89-283	B1368016S	Blower Wheel (10" x 8")
W89-284	B1368034S	Blower Wheel (10" x 6")

Order #	Mfg. #	Description
W89-286	B1368047A	Blower Wheel
W89-289	B1368036S	Blower Wheel (9" x 8")
W89-380	D6723302S	Blower Wheel
W89-382	D6723311S	Blower Wheel
W89-597	D6723303S	Blower Wheel
X89-936	B1368058S	Blower Wheel (10" x 8")

Goodman
Air Conditioning & Heating

Fan Blades

Note: Individual product images available at www.JohnstoneSupply.com



Order #	Mfg. #	Description
W69-283	B1908107	Vent Fan Blade, 3"
W69-284	B1908109	Vent Fan Blade, 4"
W69-287	B1908108	Vent Fan Blade, 3.5"
W80-127	0161P00055S	Fan Blade
W89-290	B1086750SP	Fan Blade, 22", 3 Blade 24 Deg.
W89-291	B1086756S	Fan Blade, 18", 3 Blade 32 Deg.
W89-292	B1086748S	Fan Blade, 22", 34 Deg.
W91-096	0150M00008SP	Fan Blade, 3 Blade, 22 Pitch, 22" Diameter
W91-097	B1086765S	Fan Blade, 4 Blade, 28 Pitch, 22" Diameter

Goodman
Air Conditioning & Heating

Motor Mounts



A



B



C

Fig.	Order #	Mfg. #	Description
A	**S58-794**	B1376857	Motor Mounting Arm
A	**S58-795**	B1376859	Motor Mounting Arm
A	**S58-796**	MMLGKT3	Motor Mounting Arm
B	**S58-797**	B1376851	Motor Mounting Band A36-60
C	**S80-266**	B3201300	Motor Mount
—	**S81-565**	0121R00301	Motor Mount

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Blower Housings and Shell Assemblies

Note: Individual product images available at www.JohnstoneSupply.com



Order #	Mfg. #	Description
X89-720	0271A00016S	Blower Shell Assy A60 & A61's
X89-930	2539305S	Blower Assembly Shell
X89-931	0271F00003PS	Blower Housing (10" x 10")

Compressors

Note: Individual product images available at www.JohnstoneSupply.com



Order #	Mfg. #	Description
B15-489	0163R00002	Crankcase Heater
B15-495	0263M00008	Compressor Accessories
B75-210	ZR48K5ETF5800	Compressor
B75-291	CR18K6EPFV875	Compressor
B75-292	CR20K6EPFV875	Compressor
B75-293	CR24K6EPFV875	Compressor
B75-294	CR30K6EPFV875	Compressor
B75-295	CR35K6EPFV875	Compressor
B75-298	ZR28K5EPFV800	Compressor
B75-299	ZR32K5EPFV800	Compressor
B75-300	ZR42K5EPFV800	Compressor

Order #	Mfg. #	Description
B75-302	ZR48K5EPFV800	Compressor
B75-303	ZR54K5EPFV800	Compressor
B75-403	CR22K6EPFV875	Compressor
B76-082	ZR61K3EPFV950	Compressor
B78-875	ZR61KCETF5930	Compressor
B97-117	ZP16K5EPFV830	Copeland Compressor
B97-123	ZP51K5EPFV830	Copeland Compressor
B97-136	ZP25K5EPFV830	Copeland Compressor
B97-139	ZP39K5EPFV830	Copeland Compressor
B97-181	ZP21K5EPFV830	Copeland Compressor

Service Base Valves



Order #	Mfg. #	Description
B14-308	B12825167SP	Base Valve, Suction Line, 7/8" x 7/8"
B15-556	0151R00186S	Base Valve 7/8"
L39-295	0151R00185S	Base Valve 3/4" x 3/4"

Reversing Valves



Order #	Mfg. #	Description
B17-540	0151R00069SP	Reversing Valve Service
B17-541	0151M00020SP	Reversing Valve Service
B17-542	0151R00071SP	Reversing Valve Service

Orifice Kits



Order #	Mfg. #	Description
B13-587	B2589345	Gas Orifice #45
L42-350	B2589342	Gas Orifice #42
L42-360	0163F00018	Orifice

Filter-Driers



Order #	Mfg. #	Description
B83-236	B1219223	Bi Flow Filter Drier
B84-032	0162G00007SP	Single Flow Filter Drier

Inlet Tube Flowrator

- For use with Goodman & Amana equipment



Order #	Mfg. #	Description
B16-315	B1796630	Inlet Tube Flowrator

Coil Assemblies


A


B

Fig.	Order #	Mfg. #	Description
A	**B77-210**	0202G00567S	Coil Evaporator Aluminum
A	**B77-564**	0202G00574S	Coil Evaporator Assembly
A	**B83-915**	P1400A24LP	Coil Pan Assembly
A	**B91-375**	P140132P	ARUF032 Service Coil
A	**B91-376**	P140142P	ARUF042 Service Coil
A	**B91-377**	P140148P	ARUF048 Service Coil
A	**B91-378**	P140149P	ARUF049 Service Coil
A	**B91-380**	P140161P	ARUF061 Service Coil
A	**B91-414**	P140124P	Service Coil
A	**B91-416**	2085008SP	Service Coil

Fig.	Order #	Mfg. #	Description
A	**B91-419**	P1400A32LP	Service Coil
A	**B91-747**	P140118P	Service Coil (AR18)
A	**B98-039**	P1400U36HP	Coil Pan Assembly
A	**B98-099**	P1400U42HP	Coil Pan Assembly
A	**B98-104**	P1400A60LP	Coil Pan Assembly
A	**B98-110**	P1400A48LP	Coil Pan Assembly
A	**B98-111**	P1400A49LP	Coil Pan Assembly
A	**B98-112**	P1400A61LP	Coil Pan Assembly
B	**B83-908**	P1400U29HP	Coil Pan Assembly
B	**B83-910**	P1400A18LP	Coil Pan Assembly

Chimney Kit



Order #	Mfg. #	Description
X71-253	4053501S	Chimney

Vent Pipe and Drain Kit Assemblies


A


B


C


D

Fig.	Order #	Mfg. #	Description
A	**L42-041**	10195517Q	Drain Kit
B	**X71-766**	RF000142	Drain Kit 90% Furnace
C	**B16-394**	20171701	Drain Trap

Fig.	Order #	Mfg. #	Description
D	**R87-733**	20201802	Tube Drain
D	**R94-358**	20201902	Hose Drain

Flue Collector Box Assemblies


A


B

Fig.	Order #	Mfg. #	Description
A	**X89-733**	2820006S	Flue Collector Box Assy 21"
A	**X89-734**	2820004S	Flue Collector Box 14"
A	**X89-735**	2820005S	Flue Collector Box Assy 17.5"
A	**X89-736**	2820007S	Flue Collector Box Assy 24.5"
A	**X81-620**	4810004S	Flue Collector Box 14"

Fig.	Order #	Mfg. #	Description
A	**X81-622**	4810005S	Flue Collector Box 17.5"
A	**X81-625**	4810006S	Flue Collector Box 21"
A	**X81-627**	4810007S	Flue Collector Box 24.5"
B	**X71-254**	B2832501	Flue Collector Box Gasket, 17.5"

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Drain and Base Pans



Order #	Mfg. #	Description
B82-065	B1755913HDF	Drain Pan
B82-066	B1755917HDF	Drain Pan
B82-067	B1755919HDF	Drain Pan
B82-068	B1755920HDF	Drain Pan
B82-069	B1755923HDF	Drain Pan
B82-070	B1755929L	Horizontal Drain Pan
B82-071	B1755930L	Horizontal Drain Pan
B82-072	B1755931L	Horizontal Drain Pan
B82-563	HTP-A	High Heat Drain Pan
B82-564	HTP-B	High Heat Drain Pan
B82-565	HTP-C	High Heat Drain Pan

Order #	Mfg. #	Description
B82-566	HTP-D	High Heat Drain Pan
B83-985	B1756021L	Plastic Drain Pan (Horizontal)
B83-986	B1756013HDF	High Temp Left Hand Drain Pan
B83-995	B1756017L	Drain Pan - Plastic
B83-996	B1756013L	Plastic Drain Pan
B83-997	B2055902L	Plastic Drain Pan
B83-998	B1756020L	Plastic Drain Pan
B84-008	0161R00022	Drain Pan - Small
B98-137	B1756022L	Plastic Drain Pan (Horizontal)
B98-138	B1756028L	Plastic Drain Pan (Horizontal)

Silicone Tubing

Order #	Mfg. #	Description
G32-609	B1392705	Silicone Tubing 1/4 ID x 3/8

Pressure Switch Hose

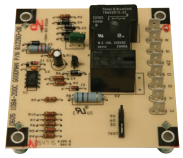
- For use with Goodman & Amana gas furnaces

Order #	Mfg. #	Description
R55-917	A3468601	Pressure Switch Hose

Rubber Coupling

Order #	Mfg. #	Description
L43-230	10254303	Rubber Coupling

Defrost Timers



A

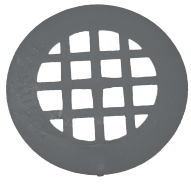
Fig.	Order #	Mfg. #	Description
A	**B12-388**	PCBDM101S	Defrost Timer w/Fuse

O-Ring



Order #	Mfg. #	Description
L39-308	B2832606	O-Ring, 2-1/4" x 5/32", F/GMN

Mesh Inserts



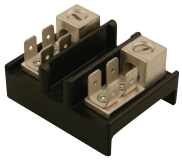
Order #	Mfg. #	Description
X71-664	B2810816	Mesh Insert 2"
X91-641	B2810814	Mesh Insert

Seal Assemblies



Order #	Mfg. #	Description
G34-474	B1796632	Seal Assembly Teflon
G34-483	B1392609	Seal Assembly

Miscellaneous Accessories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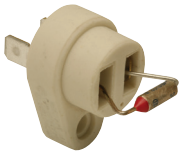
B


C


D


E


F


G


H


I

Fig.	Order #	Mfg. #	Description
A	**L39-301**	B1368250	Terminal Block A-10KW
B	**L38-047**	B1497204	Energy Cut-Off
C	**G34-358**	B1388803	Latch
D	**G32-045**	B1370819	Door Switch
E	**G32-612**	B1370820	Door Switch With Wires

Fig.	Order #	Mfg. #	Description
F	**G32-698**	B1392148	Door Slam Switch
G	**B16-243**	BT1369063	Stub
H	**G34-101**	BT1393210	Hardware
I	**G80-415**	RF000146	Harness SINI Igniter Adaptor

Evcon



80% AFUE Multi-Position Gas Furnaces

RGF1L*E Series, ECM Single-Stage, LoNOx

- Multi-position upflow, horizontal left or right, or downflow
- Blower-off delay for cooling SEER improvement
- Built-in, high self level diagnostics with fault code
- Electronic hot surface ignition
- 100% shut off main gas valve
- 5-speed direct drive, ECM motor
- 24V, 40VA control transformer and blower relay
- Tubular aluminized steel primary heat exchanger
- Quiet inducer operation
- External air filters (not included)
- Propane convertible

Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. CFM	CFM @ 0.5" ESP	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
L95-464	RGF1L040AE12MP12	80.0%	40,000	32,000	1,200	1,227	8.2	4"	14-1/2"	33"	29-1/2"	89
L95-465	RGF1L060AE12MP12	80.0%	60,000	48,000	1,200	1,193	8.2	4"	14-1/2"	33"	29-1/2"	94
L95-466	RGF1L080BE12MP12	80.0%	80,000	64,000	1,200	1,325	8.7	4"	17-1/2"	33"	29-1/2"	103
L95-467	RGF1L080CE16MP12	80.0%	80,000	64,000	1,600	1,607	10.7	4"	21"	33"	29-1/2"	116
L95-468	RGF1L080CE20MP12	80.0%	80,000	64,000	2,000	2,021	14.5	4"	21"	33"	29-1/2"	121
L95-469	RGF1L100BE12MP12	80.0%	100,000	80,000	1,200	1,223	8.7	4"	17-1/2"	33"	29-1/2"	108
L95-470	RGF1L100CE16MP12	80.0%	100,000	80,000	1,600	1,631	10.7	4"	21"	33"	29-1/2"	120
L95-471	RGF1L100CE20MP12	80.0%	100,000	80,000	2,000	2,044	14.5	4"	21"	33"	29-1/2"	124
L95-472	RGF1L120CE16MP12	80.0%	120,000	96,000	1,600	1,606	10.6	4"	21"	33"	29-1/2"	125
L95-473	RGF1L120CE20MP12	80.0%	120,000	96,000	2,000	2,066	14.4	4"	21"	33"	29-1/2"	131
L95-474	RGF1L130DE20MP12	80.0%	130,000	104,000	2,000	2,047	14.4	4"	24-1/2"	33"	29-1/2"	137

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80% AFUE Multi-Position Gas Furnaces

RL18 Series, ECM Single-Stage, LoNOX

- Upflow, horizontal left or right, or downflow
- Blower-off delay for cooling SEER2 improvement
- Built-in, high self level diagnostics with fault code displays standard on integrated control module
- Electronic hot surface ignition
- 100% shut off main gas valve
- 5-speed direct drive, standard ECM motor
- 24V, 40 VA control transformer and control provisions
- Tubular aluminized steel primary heat exchanger
- Quiet inducer operation
- External air filters (not included)
- Insulated blower compartment
- Propane convertible



Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. CFM	CFM @ 0.5" ESP	Vent Size	Width	Height	Depth	Wt. Lbs.
L61-882	RL18040A12MPS1	80.0%	40,000	32,000	1,200	1,275	4"	14-1/2"	33"	29-1/2"	89
L61-883	RL18060A12MPS1	80.0%	60,000	48,000	1,200	1,225	4"	14-1/2"	33"	29-1/2"	94
L61-884	RL18080B12MPS1	80.0%	80,000	64,000	1,200	1,300	4"	17-1/2"	33"	29-1/2"	103
L61-885	RL18080C16MPS1	80.0%	80,000	64,000	1,600	1,575	4"	21"	33"	29-1/2"	116
L61-886	RL18080C20MPS1	80.0%	80,000	64,000	2,000	1,800	4"	21"	33"	29-1/2"	121
L61-887	RL18100B12MPS1	80.0%	100,000	80,000	1,200	1,400	4"	17-1/2"	33"	29-1/2"	108
L61-888	RL18100C16MPS1	80.0%	100,000	80,000	1,600	1,750	4"	21"	33"	29-1/2"	120
L61-889	RL18100C20MPS1	80.0%	100,000	80,000	2,000	1,825	4"	21"	33"	29-1/2"	124
L61-890	RL18120C16MPS1	80.0%	120,000	96,000	1,600	1,925	4"	21"	33"	29-1/2"	125
L61-891	RL18120C20MPS1	80.0%	120,000	96,000	2,000	1,775	4"	21"	33"	29-1/2"	131
L61-892	RL18130D20MPS1	80.0%	130,000	104,000	2,000	1,925	4"	24-1/2"	33"	29-1/2"	137

95% AFUE Multi-Position Gas Furnaces

RGF19*E Series, ECM Single-Stage,Standard

- Multi-position upflow, horizontal left or right, or downflow
- Blower-off delay for cooling SEER improvement
- Built-in, high self level diagnostics with fault code
- Electronic hot surface ignition
- 100% shut off main gas valve
- 5-speed direct drive, ECM motor
- 24V, 40VA control transformer and blower relay
- Tubular aluminized steel primary heat exchanger
- Secondary heat exchanger
- Quiet inducer operation
- External air filters (not included)
- Propane convertible



Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. CFM	CFM @ 0.5" ESP	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
L60-187	RGF19026AE08MP13	95.0%	26,000	25,000	800	800	8.4	2"	14-1/2"	33"	29-1/2"	113
L95-455	RGF19040AE10MP13	95.0%	40,000	38,000	1,000	1,035	10.0	2"	14-1/2"	33"	29-1/2"	113
L95-456	RGF19060AE10MP13	95.0%	60,000	57,000	1,000	1,124	10.0	2"	14-1/2"	33"	29-1/2"	118
L95-457	RGF19060BE12MP13	95.0%	60,000	57,000	1,200	1,243	10.0	2"	17-1/2"	33"	29-1/2"	122
L95-458	RGF19080BE12MP13	95.0%	80,000	76,000	1,200	1,304	10.0	2"	17-1/2"	33"	29-1/2"	126
L95-459	RGF19080CE16MP13	95.0%	80,000	76,000	1,600	1,607	12.0	2"	21"	33"	29-1/2"	136
L95-460	RGF19080CE20MP13	95.0%	80,000	76,000	2,000	2,001	15.8	2"	21"	33"	29-1/2"	139
L95-461	RGF19100CE16MP13	95.0%	100,000	95,000	1,600	1,602	12.0	2"	21"	33"	29-1/2"	142
L95-462	RGF19100CE20MP13	95.0%	100,000	95,000	2,000	2,006	15.8	2"	21"	33"	29-1/2"	145
L95-463	RGF19120DE20MP13	95.0%	120,000	114,000	2,000	2,005	15.8	2"	24-1/2"	33"	29-1/2"	156

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Heat Pumps

LX Series, 14 SEER, Single-Phase, 1-1/2 To 5 Ton, R410A



- Coated steel wire fan guard
- High pressure relief valve and temperature sensor
- High and low pressure switches
- Factory installed filter-drier
- Top discharge
- Low operating sound levels
- Adapter fitting required for 1-1/8" line sets
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	HSPF	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
14 SEER														
B78-398	RHP14L18B23S	1-1/2	18,000	18,000	9.0	12.0	20	3/8"	3/4"	29-1/4"	33-1/4"	29-1/4"	120	B19-657
B78-399	RHP14L24B23S	2	24,000	24,000	9.5	15.4	25	3/8"	3/4"	29-1/4"	36-1/4"	29-1/4"	131	B19-657
B78-400	RHP14L30B23S	2-1/2	30,000	30,000	9.5	18.1	30	3/8"	3/4"	35-1/4"	39-1/2"	31-3/4"	176	B19-657
B78-401	RHP14L35B23S	3	35,000	35,000	8.9	20.5	35	3/8"	3/4"	35-1/4"	39-1/2"	31-3/4"	176	B19-657
B61-150	RHP14L36B23S	3	36,000	36,000	9.0	22.0	35	3/8"	3/4"	38"	39-1/2"	34-1/4"	230	B19-657
B61-298	RHP14L42B24S	3-1/2	42,000	42,000	8.5	26.8	45	3/8"	7/8"	38"	39-1/2"	34-1/4"	230	B19-659
B60-664	RHP14L60B23S	5	60,000	60,000	9.0	31.7	50	3/8"	1-1/8"*	38"	42-1/2"	34-1/4"	256	B20-463
14 SEER - ECM Matched														
B62-881	REP14L18B21S	1-1/2	18,600	16,000	8.55	10.2	15	3/8"	3/4"	24"	26-3/4"	24"	122	B19-657
B62-884	REP14L36B21S	3	35,000	34,000	8.55	19.6	30	3/8"	3/4"	35-1/4"	36-1/4"	31-3/4"	191	B19-657
B62-885	REP14L42B21S	3-1/2	41,000	39,000	8.2	23.5	45	3/8"	7/8"	35-1/4"	36-1/4"	31-3/4"	210	B19-659
B62-886	REP14L48B21S	4	46,500	45,500	9.0	24.5	45	3/8"	7/8"	38"	39-1/2"	34-1/4"	224	B19-659
B62-887	REP14L60B21S	5	56,500	56,000	9.0	29.1	50	3/8"	1-1/8"*	38"	42-3/4"	34-1/4"	249	B19-659

Heat Pumps

14.3 SEER2, Single-Phase, 1-1/2 to 5 Ton, R410A



- Enhanced aluminum fins are mechanically bonded to copper tubing
- Extruded louver coil guard
- High and low pressure relief valve, temperature sensor & high and low pressure switch for compressor protection
- Field installed filter-drier
- Top discharge
- Diagonal base valves
- Low operating sound levels
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	HSPF	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
B66-134	RHP14318B21S	1.5	17,200	16,000	7.5	9.1	15	3/8"	3/4"	24"	33-1/4"	24"	134	B19-657
B66-135	RHP14324B21S	2	23,600	22,000	7.5	13.4	20	3/8"	3/4"	24"	36-1/4"	24"	140	B19-657
B66-136	RHP14330B21S	2-1/2	29,200	26,800	7.5	15.6	25	3/8"	3/4"	29-1/4"	30"	29-1/4"	153	B19-657
B66-137	RHP14336B21S	3	35,000	32,600	7.5	20.3	35	3/8"	3/4"	31-3/4"	33-1/4"	35-1/4"	183	B19-659
B66-138	RHP14342B21S	3-1/2	39,000	38,000	7.5	26.1	45	3/8"	7/8"	31-3/4"	39-1/2"	35-1/4"	213	B19-659
B66-139	RHP14348B21S	4	45,000	43,500	7.5	26.1	45	3/8"	7/8"	31-3/4"	39-1/2"	35-1/4"	215	B19-659
B66-140	RHP14360B21S	5	55,000	54,000	7.5	30.3	50	3/8"	7/8"	34-1/4"	46"	38"	242	B19-659

Air Conditioning Condensing Units

LX Series, 14 SEER, Single-Phase, 1-1/2 To 5 Ton, R410A



- Microchannel aluminum coil
- Two stamped steel louvered coil guard
- High pressure pressure relief & valve
- Temperature sensor
- Top discharge
- Factory installed liquid line filter-drier
- Adapter fitting required for 1-1/8" line sets
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
14 SEER - Southeast & Northern Region Only												
B61-293	RAC14L18B23S	1-1/2	18,000	12.7	20	3/8"	3/4"	24"	30"	24"	130	B20-469
B61-294	RAC14L24B23S	2	24,000	14.8	25	3/8"	3/4"	29-1/4"	26-3/4"	29-1/4"	145	B20-469
B61-295	RAC14L30B23S	2-1/2	30,000	18.4	30	3/8"	3/4"	29-1/4"	26-3/4"	29-1/4"	150	B19-657
B61-296	RAC14L36B23S	3	36,000	19.6	30	3/8"	3/4"	29-1/4"	30"	29-1/4"	155	B19-657
B61-297	RAC14L42B23S	3-1/2	42,000	25.3	40	3/8"	7/8"	29-1/4"	36-1/4"	29-1/4"	190	B19-659
B77-536	RAC14L60B23S	5	60,000	31.7	50	3/8"	1-1/8"*	38"	36-1/4"	38"	220	B19-660

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Air Conditioning Condensing Units

13.4 SEER2, Single-Phase, 1-1/2 to 5 Ton, R410A

- Microchannel aluminum coil
- Stamped steel louvered coil guard
- High pressure relief valve
- High pressure switch
- Temperature sensor
- Swing out control box
- Filter-drier is shipped loose for installation in the field
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines



Order #	Mfg. #	Nom. Tons	BtuH Cooling	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
B66-463	RAC13418B21S	1-1/2	18,000	8.9	15	3/8"	3/4"	24"	30"	24"	120	B19-657
B66-464	RAC13424B21S	2	24,000	11.3	15	3/8"	3/4"	24"	33-1/4"	24"	135	B19-657
B66-465	RAC13430B21S	2-1/2	30,000	15.3	25	3/8"	3/4"	24"	33-1/4"	24"	130	B19-657
B66-466	RAC13436B21S	3	36,000	19.6	30	3/8"	3/4"	29-1/4"	30"	29-1/4"	150	B19-659
B66-467	RAC13442B21S	3-1/2	42,000	21.1	35	3/8"	7/8"	29-1/4"	36-1/4"	29-1/4"	195	B19-659
B66-468	RAC13448B21S	4	48,000	25.7	45	3/8"	7/8"	35-3/4"	33-1/4"	31-3/4"	200	B19-659
B66-469	RAC13460B21S	5	60,000	29.1	50	3/8"	1-1/8"	34-1/4"	36-1/4"	34-1/4"	230	B19-659

Air Conditioning Condensing Units

14.3 SEER2, Single-Phase, 1-1/2 To 5 Ton, R410A

- Swing-out control box
- 2 removable coil guards
- Top or side access to compressor compartment
- Service valves feature 45 degree access ports for easy gauge hook-up
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines



Order #	Mfg. #	Nom. Tons	BtuH Cooling	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
B65-551	RAC14318B21S	1-1/2	17,600	11.8	20	3/8"	3/4"	29-1/4"	30"	29-1/4"	150	B19-657
B65-552	RAC14324B21S	2	23,200	15.1	25	3/8"	3/4"	29-1/4"	30"	29-1/4"	150	B19-657
B65-553	RAC14330B21S	2-1/2	29,000	13.4	20	3/8"	3/4"	29-1/4"	36-1/4"	29-1/4"	165	B19-657
B65-554	RAC14336B21S	3	35,000	17.6	30	3/8"	3/4"	31-1/4"	33-1/4"	35-1/4"	185	B19-659
B65-555	RAC14342B21S	3-1/2	40,000	23.4	40	3/8"	7/8"	31-1/4"	36-1/4"	35-1/4"	215	B19-659
B65-556	RAC14348B21S	4	47,000	24	40	3/8"	7/8"	31-1/4"	33-1/4"	35-1/4"	210	B19-659
B65-557	RAC14360B21S	5	56,000	30.9	50	3/8"	1-1/8"	34-1/4"	36-1/4"	38"	230	B19-659

Single-Piece Air Handlers

RFC Series, Multi-Position, ECM, Factory Installed TXV

- MaxAlloy™ aluminum coil
- Even flow distributor
- Two-stage operation
- High efficiency blower
- Tool-less filter access
- Integrated duct flanges
- Slide out blower
- Electric heat kits sold separately
- 208/230V



Order #	Mfg. #	Nom. Tons	Nom. CFM	CFM @ 0.5" ESP	Min. Circuit Amps	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
L60-719	RFCB18BBAEMP2N1	1-1/2	600	800	3.3	3/8"	3/4"	17-1/2"	47"	21-7/16"	93
L60-720	RFCB24CBAEMP2N1	2	800	1,025	3.3	3/8"	3/4"	17-1/2"	49-5/8"	21-7/16"	99
L60-721	RFCB30DBAEMP2N1	2-1/2	1,000	1,025	4.8	3/8"	3/4"	17-1/2"	49-5/8"	21-7/16"	100
L60-722	RFCB36DBAEMP2N1	3	1,200	1,425	4.8	3/8"	3/4"	17-1/2"	49-5/8"	21-7/16"	100
L60-723	RFCB36DBCEMP2N1	3	1,200	1,425	4.8	3/8"	3/4"	17-1/2"	49-5/8"	21-7/16"	100
L60-724	RFCC36DBAEMP2N1	3	1,200	1,450	4.8	3/8"	3/4"	21"	51"	21-7/16"	114
L60-725	RFCC36DBCEMP2N1	3	1,200	1,450	4.8	3/8"	3/4"	21"	51"	21-7/16"	114
L60-726	RFCC42FBAEMP2N1	3-1/2	1,400	1,375	4.8	3/8"	7/8"	21"	57"	21-7/16"	125
L60-727	RFCC42FBCEMP2N1	3-1/2	1,400	1,375	4.8	3/8"	7/8"	21"	57"	21-7/16"	125
L60-728	RFCC48GBCEMP2N1	4	1,600	1,800	6.8	3/8"	7/8"	21"	61-1/4"	21-7/16"	129
L60-729	RFCD48GBCEMP2N1	4	1,600	1,900	6.8	3/8"	7/8"	24-1/2"	61-1/4"	21-7/16"	140
L60-730	RFCC60HBCEMP2N1	5	1,600	1,825	6.8	3/8"	7/8"	21"	63"	21-7/16"	141
L60-731	RFCD60HBCEMP2N1	5	1,800	1,800	6.8	3/8"	7/8"	24-1/2"	63"	21-7/16"	146
L60-732	RFCD60JBCEMP2N1	5	1,800	2,000	6.8	3/8"	7/8"	24-1/2"	61-1/4"	21-7/16"	150

Coleman HEATING AND AIR CONDITIONING

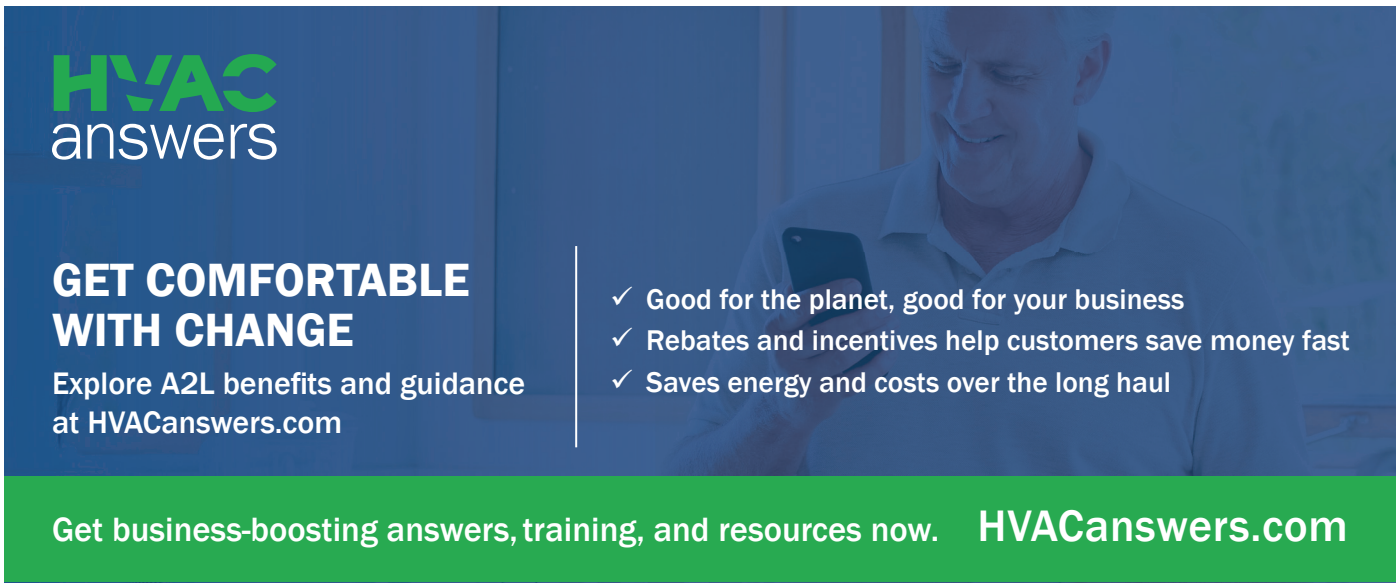


80% AFUE Multi-Position Gas Furnaces

TM8E, TMLE & TL8E Series, Single-Stage, ECM Motor, 33" Height

- Multi-position upflow, horizontal left or right, or downflow
- 5-speed direct drive standard ECM blower motor
- Built-in, high level self-diagnostics with fault code displays on integrated control module
- Electronic hot surface ignition
- 100% shutoff main gas valve for extra safety
- 24V, 40 VA control transformer and blower relay
- Tubular aluminized steel (stainless-steel for TL8E models) primary heat exchanger
- Airflow leakage less than 1% of total airflow
- Quiet inducer operation
- All models are propane convertible
- LoNOx models meet specific code requirements; see www.JohnstoneSupply.com for complete information and product selection

Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. CFM	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
Standard											
L95-420	TM8E040A12MP11	80.0%	40,000	32,000	1,200	8.2	4"	14-1/2"	33"	29-1/2"	89
L95-421	TM8E060A12MP11	80.0%	60,000	48,000	1,200	8.2	4"	14-1/2"	33"	29-1/2"	94
L95-422	TM8E080B12MP11	80.0%	80,000	64,000	1,200	8.7	4"	17-1/2"	33"	29-1/2"	103
L95-423	TM8E080C16MP11	80.0%	80,000	64,000	1,600	8.7	4"	21"	33"	29-1/2"	116
L95-424	TM8E080C20MP11	80.0%	80,000	64,000	2,000	13.8	4"	21"	33"	29-1/2"	121
L95-425	TM8E100B12MP11	80.0%	100,000	80,000	1,200	8.7	4"	17-1/2"	33"	29-1/2"	108
L95-426	TM8E100C16MP11	80.0%	100,000	80,000	1,600	11.1	4"	21"	33"	29-1/2"	120
L95-427	TM8E100C20MP11	80.0%	100,000	80,000	2,000	13.8	4"	21"	33"	29-1/2"	124
L95-428	TM8E120C16MP11	80.0%	120,000	96,000	1,600	11.1	4"	21"	33"	29-1/2"	125
L95-429	TM8E120C20MP11	80.0%	120,000	96,000	2,000	13.7	4"	21"	33"	29-1/2"	131
L95-430	TM8E130D20MP11	80.0%	130,000	104,000	2,000	13.7	4"	24-1/2"	33"	29-1/2"	137
LoNOx											
L95-431	TMLE040A12MP11	80.0%	40,000	32,000	1,200	8.2	4"	14-1/2"	33"	29-1/2"	89
L95-432	TMLE060A12MP11	80.0%	60,000	48,000	1,200	8.2	4"	14-1/2"	33"	29-1/2"	94
L95-433	TMLE080B12MP11	80.0%	80,000	64,000	1,200	8.7	4"	17-1/2"	33"	29-1/2"	103
L95-434	TMLE080C16MP11	80.0%	80,000	64,000	1,600	8.7	4"	21"	33"	29-1/2"	116
L95-438	TMLE100C20MP11	80.0%	100,000	80,000	2,000	13.8	4"	21"	33"	29-1/2"	124
Ultra LoNOx											
L95-673	TL8E060A12UH11	80.0%	60,000	48,000	1200	9	4"	14-1/2"	33"	29-1/2"	94
L95-674	TL8E080C16UH11	80.0%	80,000	64,000	1600	9	4"	21"	33"	29-1/2"	114
L95-675	TL8E100C20UH11	80.0%	100,000	80,000	2000	11.4	4"	21"	33"	29-1/2"	122



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80% AFUE Multi-Position Gas Furnaces

Z8ES Series, Single-Stage, ECM Motor, 33" Height, Standard & LoNOx

- Horizontal left or horizontal right, or downflow
- 5-speed direct drive standard ECM blower motor
- Blower-off delay for cooling SEER2 improvement
- Built-in, high level self-diagnostics with fault code displays standard on integrated control module
- Electronic hot surface ignition
- 100% shut-off main gas valve for extra safety
- 24V, 40 VA control transformer and blower relay
- Hi-tech tubular aluminized steel primary heat exchanger
- Airflow leakage less than 1% of nominal airflow
- Quiet inducer operation
- All models are propane convertible
- LoNOx models meet specific code requirements; see www.JohnstoneSupply.com for complete information and product selection



Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	CFM @ 0.5" ESP	Vent Size	Width	Height	Depth	Wt. Lbs.
Standard										
L61-860	Z8ES040A12SMPS1	80.0%	40,000	32,000	1,275	4"	14-1/2"	33"	29-1/2"	89
L61-861	Z8ES060A12SMPS1	80.0%	60,000	48,000	1,225	4"	14-1/2"	33"	29-1/2"	94
L61-862	Z8ES080B12SMPS1	80.0%	80,000	64,000	1,300	4"	17-1/2"	33"	29-1/2"	103
L61-863	Z8ES080C16SMPS1	80.0%	80,000	64,000	1,575	4"	21"	33"	29-1/2"	116
L61-864	Z8ES080C20SMPS1	80.0%	80,000	64,000	1,800	4"	21"	33"	29-1/2"	121
L61-865	Z8ES100B12SMPS1	80.0%	100,000	80,000	1,400	4"	17-1/2"	33"	29-1/2"	108
L61-866	Z8ES100C16SMPS1	80.0%	100,000	80,000	1,750	4"	21"	33"	29-1/2"	120
L61-867	Z8ES100C20SMPS1	80.0%	100,000	80,000	1,825	4"	21"	33"	29-1/2"	124
L61-868	Z8ES120C16SMPS1	80.0%	120,000	96,000	1,925	4"	21"	33"	29-1/2"	125
L61-869	Z8ES120C20SMPS1	80.0%	120,000	96,000	1,775	4"	21"	33"	29-1/2"	131
L61-870	Z8ES130D20SMPS1	80.0%	130,000	104,000	1,925	4"	24-1/2"	33"	29-1/2"	137
LoNOx										
L61-871	Z8ES040A12LMPS1	80.0%	40,000	32,000	1,275	4"	14-1/2"	33"	29-1/2"	89
L61-872	Z8ES060A12LMPS1	80.0%	60,000	48,000	1,225	4"	14-1/2"	33"	29-1/2"	94
L61-873	Z8ES080B12LMPS1	80.0%	80,000	64,000	1,300	4"	17-1/2"	33"	29-1/2"	103
L61-874	Z8ES080C16LMPS1	80.0%	80,000	64,000	1,575	4"	21"	33"	29-1/2"	116
L61-875	Z8ES080C20LMPS1	80.0%	80,000	64,000	1,800	4"	21"	33"	29-1/2"	121
L61-876	Z8ES100B12LMPS1	80.0%	100,000	80,000	1,400	4"	17-1/2"	33"	29-1/2"	108
L61-877	Z8ES100C16LMPS1	80.0%	100,000	80,000	1,750	4"	21"	33"	29-1/2"	120
L61-878	Z8ES100C20LMPS1	80.0%	100,000	80,000	1,825	4"	21"	33"	29-1/2"	124
L61-879	Z8ES120C16LMPS1	80.0%	120,000	96,000	1,925	4"	21"	33"	29-1/2"	125
L61-880	Z8ES120C20LMPS1	80.0%	120,000	96,000	1,775	4"	21"	33"	29-1/2"	131
L61-881	Z8ES130D20LMPS1	80.0%	130,000	104,000	1,925	4"	24-1/2"	33"	29-1/2"	137

80% AFUE Multi-Position Gas Furnaces

Z8ET Series, Two-Stage, ECM Motor, 33" Height, LoNOx

- Upflow, horizontal left or right, or downflow
- Two stage gas valve
- Two stage inducer operation and standard ECM blower
- Airflow leakage rate of less than 1% of nominal airflow
- Blower-off delay for cooling SEER2 improvement
- Electronic hot surface ignitor
- Tubular aluminized steel primary heat exchanger
- Built-in, high-level self-diagnostic controls with fault codes
- 24V, 40 VA control transformer and control provisions supplied for add-on cooling
- Insulated blower compartment
- External air filters (not included)



Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. CFM	CFM @ 0.5" ESP	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
L61-968	Z8ET060A12LMPS1	80.0%	60,000	48,000	1,200	1,225	9.3	4"	14-1/2"	33"	29-1/2"	94
L61-969	Z8ET080B12LMPS1	80.0%	80,000	64,000	1,200	1,225	9.3	4"	17-1/2"	33"	29-1/2"	103
L61-970	Z8ET080C16LMPS1	80.0%	80,000	64,000	1,600	1,550	9.3	4"	21"	33"	29-1/2"	114
L61-971	Z8ET100C16LMPS1	80.0%	100,000	80,000	1,600	1,750	9.3	4"	21"	33"	29-1/2"	118
L61-972	Z8ET100C20LMPS1	80.0%	100,000	80,000	2,000	1,825	10.9	4"	21"	33"	29-1/2"	122
L61-973	Z8ET120C20LMPS1	80.0%	120,000	96,000	2,000	1,775	10.9	4"	21"	33"	29-1/2"	129

80% AFUE Multi-Position Gas Furnaces

TM8Y Series, Two-Stage, Standard ECM



- Multi-position upflow, horizontal left or right or downflow
- Two stage gas valve
- Two stage inducer operation and standard ECM blower
- Airflow leakage rate of less than 1% of total airflow
- Blower-off delay
- Electronic hot surface ignitor
- Tubular aluminized steel primary heat exchanger
- Built-in, high-level self-diagnostic controls with fault codes
- 24V, 40 VA control transformer and integrated control
- Insulated blower compartment
- External air filters (not included)
- All models are propane convertible

Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. CFM	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
L93-574	TM8Y060A12MP11	80.0%	60,000	48,000	1,200	9.3	4"	14-1/2"	33"	29-1/2"	94
L93-575	TM8Y080B12MP11	80.0%	80,000	64,000	1,200	9.3	4"	17-1/2"	33"	29-1/2"	103
L93-576	TM8Y080C16MP11	80.0%	80,000	64,000	1,600	9.3	4"	21"	33"	29-1/2"	114
L93-577	TM8Y100C16MP11	80.0%	100,000	80,000	1,600	9.3	4"	21"	33"	29-1/2"	118
L93-578	TM8Y100C20MP11	80.0%	100,000	80,000	2,000	10.9	4"	21"	33"	29-1/2"	122
L93-579	TM8Y120C20MP11	80.0%	120,000	96,000	2,000	10.9	4"	21"	33"	29-1/2"	129

80% AFUE Multi-Position Gas Furnaces

TM8V & TMLV Series, Two-Stage, Variable-Speed, ECM, 33" Height



- Communicating control
- Multi-position upflow, horizontal left or right, or downflow
- ECM variable-speed drive
- Two-stage gas valve, inducer operation & variable-speed
- Electronic hot surface ignition
- Tubular aluminized steel primary heat exchanger
- Built-in, high-level self diagnostics with fault code display
- External air filters (not included)
- Airflow leakage less than 1% of nominal airflow for duct performance testing conditions
- 24V, 40 VA control transformer and blower relay
- Insulated blower compartment
- All models are propane convertible
- LoNOx models meet specific code requirements; see www.JohnStonesupply.com for complete information and product selection

Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. CFM	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
Standard											
L94-031	TM8V060A12MP12C	80.0%	60,000	47,000	1,200	9.0	4"	14-1/2"	33"	29-1/2"	94
L94-032	TM8V080B12MP12C	80.0%	80,000	63,000	1,200	9.0	4"	17-1/2"	33"	29-1/2"	103
L94-033	TM8V080C16MP12C	80.0%	80,000	63,000	1,600	12.0	4"	21"	33"	29-1/2"	114
L94-034	TM8V100C16MP12C	80.0%	100,000	80,000	1,600	12.0	4"	21"	33"	29-1/2"	118
L94-035	TM8V100C20MP12C	80.0%	100,000	80,000	2,000	14.0	4"	21"	33"	29-1/2"	122
L94-036	TM8V120C20MP12C	80.0%	120,000	96,000	2,000	14.0	4"	21"	33"	29-1/2"	129
LoNOx											
L94-037	TMLV060A12MP12C	80.0%	60,000	47,000	1,200	9.0	4"	14-1/2"	33"	29-1/2"	94
L94-040	TMLV100C16MP12C	80.0%	100,000	80,000	1,600	12.0	4"	21"	33"	29-1/2"	118
L94-042	TMLV120C20MP12C	80.0%	120,000	96,000	2,000	14.0	4"	21"	33"	29-1/2"	129

80% AFUE Multi-Position Gas Furnaces

CPLC Series, Modulating ECM



- Modulating gas valve, inducer and circulating blower
- ECM variable-speed motor
- Multi-position upflow, horizontal left or right or downflow
- Electronic hot surface ignition
- 24V, 40VA control transformer and blower relay
- Tubular aluminized steel primary heat exchanger
- Built-in, high-level self-diagnostic controls with fault codes
- External air filters (not included)
- Low sound levels
- Insulated blower compartment
- Airflow leakage rate of less than 1% of total airflow @ 1" ESP
- All models are propane convertible
- Meet specific LoNOx code requirements

Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. CFM	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
L94-018	CPLC060A12MP13C	80.0%	60,000	47,000	1,200	7.0	4"	14-1/2"	33"	29-1/2"	94
L94-019	CPLC080B12MP13C	80.0%	80,000	62,000	1,200	7.5	4"	17-1/2"	33"	29-1/2"	103
L94-020	CPLC080C16MP13C	80.0%	80,000	62,000	1,600	10.0	4"	21"	33"	29-1/2"	114
L94-021	CPLC100C16MP13C	80.0%	100,000	78,000	1,600	10.0	4"	21"	33"	29-1/2"	118
L94-022	CPLC100C20MP13C	80.0%	100,000	78,000	2,000	12.0	4"	21"	33"	29-1/2"	122

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95% AFUE Multi-Position Gas Furnaces

TM9E & TL9E Series, Single-Stage, ECM Motor, 33" Height

- Multi-position upflow, horizontal left or right, or downflow
- 5-speed direct drive standard ECM motor
- Built-in, high-level self-diagnostics with fault code displays standard on integrated control module
- Electronic hot surface ignition
- 24V, 40 VA control transformer and blower relay
- Tubular aluminized steel (stainless-steel for Ultra LoNOx models) primary heat exchanger
- Airflow leakage less than 1% of nominal airflow
- Quiet inducer operation
- All models are propane convertible



Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. CFM	CFM @ 0.5" ESP	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.	Energy Star
Standard													
L95-444	TM9E040A10MP12	95.0%	40,000	38,000	1,000	1,100	10.4	3"	14-1/2"	33"	29-1/2"	113	Y
L95-442	TM9E060A10MP12	95.0%	60,000	57,000	1,200	1,299	10.4	3"	14-1/2"	33"	29-1/2"	118	Y
L95-445	TM9E060B12MP12	95.0%	60,000	57,000	1,200	1,339	10.4	3"	17-1/2"	33"	29-1/2"	122	Y
L95-446	TM9E080B12MP12	95.0%	80,000	76,000	1,200	1,558	10.4	3"	17-1/2"	33"	29-1/2"	126	Y
L95-447	TM9E080C16MP12	95.0%	80,000	76,000	1,600	1,570	12.0	3"	21"	33"	29-1/2"	136	Y
L95-443	TM9E080C20MP12	95.0%	80,000	76,000	2,000	1,570	14.5	3"	21"	33"	29-1/2"	139	Y
L95-448	TM9E100C16MP12	95.0%	100,000	95,000	1,600	1,989	12.0	3"	21"	33"	29-1/2"	142	Y
L95-449	TM9E100C20MP12	95.0%	100,000	95,000	2,000	2,036	14.5	3"	21"	33"	29-1/2"	145	Y
L95-450	TM9E120D20MP12	95.0%	120,000	114,000	2,000	2,036	14.5	3"	24-1/2"	33"	29-1/2"	156	Y
Ultra LoNOx													
L95-676	TL9E060B12UH11	95.0%	60,000	57,000	1,200	1,204	8.0	2"	17-1/2"	33"	29-1/2"	122	Y
L95-677	TL9E080C16UH11	95.0%	80,000	76,000	1,600	1,607	10.4	2"	21"	33"	29-1/2"	136	Y
L95-678	TL9E100C20UH11	95.0%	100,000	95,000	2,000	1,995	13.1	2"	21"	33"	29-1/2"	145	Y

96% AFUE Multi-Position Gas Furnaces

TM9Y Series, Two-Stage, Standard ECM

- Multi-position upflow, horizontal left or right, or downflow
- Two-stage gas valve and inducer operation
- Standard ECM constant torque drive for cooling SEER
- Electronic hot surface ignition
- 100% shutoff main gas valve for extra safety
- Hi-tech tubular aluminized steel primary heat exchanger
- Built-in, high-level self-diagnostics with fault code display
- 24V, 40 VA control transformer and integrated furnace control
- Airflow leakage less than 1% of total airflow
- Insulated blower compartment
- External air filters (not included)
- All models are propane convertible



Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. CFM	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
L93-567	TM9Y040A10MP11	96.0%	40,000	38,000	1,000	9.5	3"	14-1/2"	33"	29-1/2"	113
L93-568	TM9Y060B12MP11	96.0%	60,000	58,000	1,200	9.5	3"	17-1/2"	33"	29-1/2"	119
L93-569	TM9Y080B12MP11	96.0%	80,000	77,000	1,200	9.5	3"	17-1/2"	33"	29-1/2"	123
L93-570	TM9Y080C16MP11	96.0%	80,000	77,000	1,600	9.5	3"	21"	33"	29-1/2"	130
L93-571	TM9Y100C16MP11	96.0%	100,000	96,000	1,600	9.5	3"	21"	33"	29-1/2"	136
L93-572	TM9Y100C20MP11	96.0%	100,000	96,000	2,000	10.9	3"	21"	33"	29-1/2"	143
L93-573	TM9Y120D20MP11	96.0%	120,000	115,000	2,000	10.9	3"	24-1/2"	33"	29-1/2"	154

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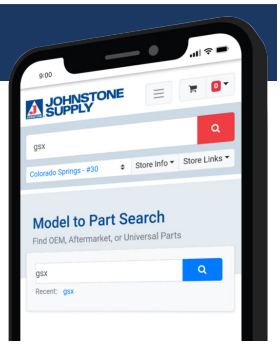

96% AFUE Multi-Position Gas Furnaces

TM9V Series, Two-Stage, Variable-Speed, ECM, 33" Height



- Communicating control
- Multi-position upflow, horizontal left or right, or downflow
- Two-stage gas valve and inducer operation
- Variable-speed ECM blower operation
- Built-in, high-level self diagnostics with fault code displays standard on integrated control module
- Electronic hot surface ignition
- 24V, 40 VA control transformer and blower relay
- High-tech tubular aluminized steel primary heat exchanger
- Airflow leakage less than 1% of total airflow
- Insulated blower compartment
- Internal condensate trap design
- All models are propane convertible

Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. CFM	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
L94-024	TM9V040A10MP12C	96.0%	40,000	38,000	1,000	9.0	3"	14-1/2"	33"	29-1/2"	113
L94-025	TM9V060B12MP12C	96.0%	60,000	58,000	1,200	9.0	3"	17-1/2"	33"	29-1/2"	122
L94-026	TM9V080B12MP12C	96.0%	80,000	77,000	1,200	9.0	3"	17-1/2"	33"	29-1/2"	126
L94-027	TM9V080C16MP12C	96.0%	80,000	77,000	1,600	12.0	3"	21"	33"	29-1/2"	136
L94-028	TM9V100C16MP12C	96.0%	100,000	96,000	1,600	12.0	3"	21"	33"	29-1/2"	142
L94-029	TM9V100C20MP12C	96.0%	100,000	96,000	2,000	14.0	3"	21"	33"	29-1/2"	145
L94-030	TM9V120D20MP12C	96.0%	120,000	115,000	2,000	14.0	3"	24-1/2"	33"	29-1/2"	156

97 to 98% AFUE Multi-Position Gas Furnaces

CP9C Series, Modulating ECM



- Modulating gas valve, inducer and circulating blower
- Modulating operation from 100% to 35% input in 100 increments with nearly constant temperature rise
- Multi-position upflow, horizontal left or right or downflow
- Airflow leakage rate of less than 1% of total airflow @ 1" ESP
- ECM variable speed motor
- Electronic hot surface ignition
- 24V, 40 VA control transformer and blower relay
- Tubular aluminized steel primary heat exchanger
- Stainless steel tube/aluminum fin secondary heat exchanger
- Built-in, high-level, self-diagnostic controls with fault codes
- External air filters (not included)
- Insulated blower compartment
- All models are propane convertible

Order #	Mfg. #	AFUE	BtuH Input	BtuH Output	Nom. CFM	Min. Circuit Amps	Vent Size	Width	Height	Depth	Wt. Lbs.
L94-012	CP9C060B12MP13C	97.5%	60,000	58,000	1,200	7.0	3"	17-1/2"	33"	29-1/2"	113
L94-013	CP9C080B12MP13C	97.5%	80,000	77,000	1,200	7.5	3"	17-1/2"	33"	29-1/2"	119
L94-014	CP9C080C16MP13C	97.7%	80,000	78,000	1,600	10.0	3"	21"	33"	29-1/2"	134
L94-015	CP9C100C16MP13C	97.7%	100,000	97,000	1,600	10.0	3"	21"	33"	29-1/2"	140
L94-016	CP9C100C20MP13C	97.7%	100,000	97,000	2,000	12.0	3"	21"	33"	29-1/2"	143
L94-017	CP9C120D20MP13C	98.0%	120,000	116,000	2,000	12.0	3"	24-1/2"	33"	29-1/2"	152

LP Conversion Kits



Order #	Mfg. #	Description	For Use With
L38-276	S1-1NP0347	NG To LP Conv Kit	All Single or Two-Stage Gas Furnaces (80% AFUE & 90%+ AFUE)
L43-497	S1-1NP0680	LP Conversion Kit	All Modulating Gas Furnaces: 80% AFUE & 90%+ AFUE (11 series)
L44-611	S1-1NP0501	LP Conversion Kit	TG9S, GG9S (130K BtuH only),TG(8,L)S, GG(8,L)S (130K BtuH only)
L45-089	S1-1NP0681	LP Conversion Kit	All Modulating Gas Furnaces: 80% AFUE (12C series), 90%+ AFUE (12 series)
L49-520	S1-1NP0820	LP Conversion Kit	Single or 2-Stage Gas Furnaces (80% AFUE & 90%+ AFUE)

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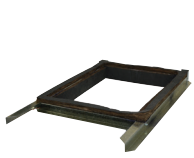
Combustible Floor Bases and Base Kits

Fig.	Order #	Mfg. #	Description	For Use With
A	**L80-302**	S1-1CB0514	Combustible Base Kit	33" Furnaces, 14-1/2" W
A	**L80-303**	S1-1CB0517	Combustible Base Kit	33" Furnaces, 17-1/2" W
A	**L99-223**	S1-1CB0521	Combustible Base Kit	33" Furnaces, 21" W
B	**L96-794**	S1-1CB0417	17-1/2" Combustible Floor Base	17-1/2" Wide Downflow Gas Furnaces
B	**L96-795**	S1-1CB0421	21" Combustible Floor Base	21" Wide Downflow Gas Furnaces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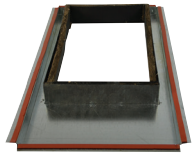
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Concentric Vent Termination Kits

- Allows both the intake for combustion air and the exhaust vent to pass through a common roof or sidewall penetration
- Kit contains 1 each: combustion air inlet cap; air inlet pipe; vent pipe; intake/vent concentric "Y"; installation instructions



Order #	Mfg. #	Description	For Use With
L96-792	S1-1CT0302	2" Concentric Vent Termination	All 80% & 90%+ AFUE gas furnaces using 2" PVC
L96-793	S1-1CT0303	3" Concentric Vent Termination	All 80% & 90%+ AFUE gas furnaces using 3" PVC

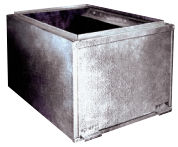
Masonry Chimney Vent Kit



Order #	Mfg. #	Description	For Use With
L39-479	S1-1CK0604	4" Tile Lined Chimney Kit	TM8V, TMLV, TM8T, TMLT, TM8X, TMLX, TM8Y, RGF1L*E, RGF1L*P, RGF2L*E

Counter Flow Filter Cabinets

- Uses standard filters
- Easy access to filters
- Filters angled to maximize surface
- Sizes 1-4 tons
- Completely insulated
- Filter access without vent pipe interference



Order #	Mfg. #	Cabinet Dimensions	Duct Size	Filter Dimensions	Wt. Lbs.
L81-201	CF1	15-3/4" x 21-3/8" x 12"	13-3/4" x 19-7/8"	10" x 20" x 1"	17
L81-202	CF2	18-3/4" x 21-3/8" x 12"	16-3/4" x 19-7/8"	10" x 20" x 1"	18
L81-203	CF3	23-1/4" x 21-3/8" x 12"	21-1/4" x 19-7/8"	10" x 20" x 1"	20
L81-204	CF4	27-3/4" x 21-3/8" x 12"	25-3/4" x 19-7/8"	10" x 20" x 1"	24

Horizontal Filter Racks

- Standard size filters
- Horizontal or side return applications
- Fully insulated
- HR models include duct flange
- HRB models blocked on both sides the horizontal filter housing gives the homeowner the option of a 1", 2" or 4" filter



Order #	Mfg. #	Cabinet Dimensions	Duct Size	Filter Dimensions	Wt. Lbs.
L81-197	HR20	25-1/2" x 20" x 6"	19-3/4" x 19"	20" x 25" x 1", 2" or 4"	12
L81-198	HRB20	25-1/2" x 20" x 6"	—	20" x 25" x 1", 2" or 4"	12
L81-199	HR25	20-1/2" x 25" x 6"	19" x 19-3/4"	20" x 25" x 1", 2" or 4"	12
L81-200	HRB25	20-1/2" x 25" x 6"	—	20" x 25" x 1", 2" or 4"	12

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- Products you need, including hard to find specialty parts
- Service and support
- Delivery options to get you back on the road
- Technology to make your job easier
- Training to keep you competitive



BETTER SERVICE & LOCAL SUPPORT WITH GLOBAL PARTNERS

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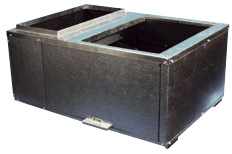
Labor Saver Platforms

- Available in 1-3 ton or 3.5-5 ton sizes
- Adjustable rack for 1", 2" and 4" filters
- Uses standard filter sizes
- Easy, dual-sized access
- Lined with 1" insulation
- Angled filter maximizes surface area
- Raises furnace to plenum for efficient installation



Order #	Mfg. #	Cabinet Dimensions	Duct Size	Filter Dimensions	Wt. Lbs.
For Gas Furnaces					
X92-852	LS2832	32" x 28-1/2" x 14"	8" x 24"	20" x 25" x 1", 2" or 4"	45
X92-853	LS2840	40" x 28-1/2" x 14"	10" x 24"	24" x 24" x 1", 2" or 4"	50
X92-854	LS2843	43" x 28-1/2" x 14"	12" x 24"	24" x 24" x 1", 2" or 4"	51
For Air Handlers and Electric Furnaces					
X92-855	LS2232	32" x 22-1/2" x 14"	9-1/2" x 20-1/2"	20" x 20" x 1", 2" or 4"	35
X92-856	LS2240	40" x 22-1/2" x 14"	12" x 20-1/2"	20" x 25" x 1", 2" or 4"	40

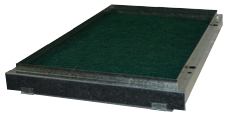
Upflow Filter Plenums

- Spring-hinged door for easy access
- Gasketed door for tight seal
- Adjustable rack for 1", 2" & 4" filters
- Uses standard filters
- 1.5-5 ton models available
- Return access on sides and rear
- No need for construction platform
- 24-gauge steel construction
- Hardware-free filter access



Order #	Mfg. #	Cabinet Dimensions	Duct Size	Filter Dimensions	Wt. Lbs.
L92-212	UFFPG14	15-1/2" x 29" x 18"	12-7/8" x 26-1/2"	14" x 25" x 1", 2" or 4"	20
L92-213	UFFPG17	17-1/2" x 29" x 18"	14-7/8" x 26-1/2"	16" x 25" x 1", 2" or 4"	23
L92-214	UFFPG21-2	21-1/2" x 29" x 18"	18-7/8" x 26-1/2"	20" x 25" x 1", 2" or 4"	26
L92-215	UFFPG24	25-1/2" x 29" x 18"	22-7/8" x 26-1/2"	24" x 24" x 1", 2" or 4"	29
L92-216	UFFPE17	17-1/2" x 22" x 18"	14-7/8" x 19"	16" x 20" x 1", 2" or 4"	20
L92-217	UFFPE21	21-1/2" x 22" x 18"	18-7/8" x 19"	20" x 20" x 1", 2" or 4"	23
L92-218	UFFPE24	26-1/2" x 22" x 18"	23-7/8" x 19"	20" x 25" x 1", 2" or 4"	26
L92-219	UFFPE24N	21-1/2" x 25" x 18"	18-3/4" x 21-3/8"	20" x 25" x 1", 2" or 4"	29

Filter Rack & Filter, Rack, Bottom



Order #	Mfg. #	Description	For Use With	Width	Height	Depth	Wt. Lbs.
X81-838	S1-1SR0402	Frame Filter	40" Upflow/Horizontal and 33" Multi-Position Furnaces	17"	4"	31"	4.5
X82-249	S1-1BR0514	Filter, Rack, Bottom	33" Furnaces, 14-1/2" W	17"	3"	30"	8.0

High Altitude Conversion Kits

- For use with Coleman and Evcon Furnaces

Fig.	Order #	Mfg. #	Description	For Use With
A	**L44-296**	S1-1PS3306	Hi Alt Conv Kit	TG8S, TGLS, GG8S, GGLS, TG9S, TM9E, TL9E, TM9T, TM9V, TM9Y, TP9C, MG9S, RGFIL*P, RGF19*P
A	**L44-291**	S1-1PS3301	Hi Alt Conv Kit	TG8S, TGLS, GG8S, GGLS, TM8X, TMLX, TM8E,TMLE, TL8E, TM8T, TMLT, TM8V, TM8Y, TMLV, TG9S, MG9S
A	**L44-292**	S1-1PS3302	Hi Alt Conv Kit	TG8S, TGLS, GG8S, GGLS, TG9S, TM9E, TL9E, TM9T, TM9V, TM9Y, TP9C, MG9S, RGFIL*P, RGF19*P
A	**L44-297**	S1-1PS3307	Hi Alt Conv Kit	TG8S, TGLS, GG8S, GGLS, TG9S, TM9E, TL9E, TM9T, TM9V, TM9Y, TP9C, MG9S, RGFIL*P, RGF19*P
B	**L44-298**	S1-1PS3308	Hi Alt Conv Kit	TM9T & TM9V



A



B

Coleman HEATING AND AIR CONDITIONING



Heat Pumps

TH4B, LX Series, 14 SEER, Single-Phase, 1-1/2 To 5 Ton, R410A

- Coated steel wire fan guard
- Extruded louver coil guard for coil protection
- Swing-out control box
- Field installed liquid line filter-drier
- High pressure relief valve and temperature sensor
- High and low pressure switches
- Top discharge
- Low operating sound levels
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	HSPF	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
B78-390	TH4B1821S	1-1/2	17,800	18,000	8.2	12.0	20	3/8"	3/4"	29-1/4"	33-1/4"	29-1/4"	120	B19-657
B78-391	TH4B2421S	2	23,800	24,000	8.2	15.4	25	3/8"	3/4"	29-1/4"	36-1/4"	29-1/4"	131	B19-657
B78-392	TH4B3021S	2-1/2	28,800	30,000	8.2	18.1	30	3/8"	3/4"	35-1/4"	39-1/2"	31-3/4"	176	B19-658
B78-393	TH4B3521S	3	35,200	35,000	8.2	20.5	35	3/8"	3/4"	35-1/4"	39-1/2"	31-3/4"	176	B19-658
B61-149	TH4B3622S	3	34,000	36,000	8.2	21.99	35	3/8"	3/4"	38"	39-1/2"	34-1/4"	200	B19-657
B61-262	TH4B4223S	3-1/2	41,500	42,000	8.3	25.5	40	3/8"	7/8"	35-1/4"	39-1/2"	31-3/4"	230	B19-659
B60-661	TH4B4822S	4	46,500	48,000	8.2	30.8	50	3/8"	7/8"	38"	39-1/2"	31-3/4"	235	B19-659
B60-662	TH4B6022S	5	55,500	60,000	8.2	31.7	50	3/8"	1-1/8"*	38"	42-3/4"	34-1/4"	256	B20-463

Coleman HEATING AND AIR CONDITIONING



Heat Pumps

TE4B, LX Series, 14 SEER, Single-Phase, 1-1/2 To 5 Ton, R410A

- Extruded louver coil guard
- High pressure relief valve and temperature sensor
- High and low pressure switches
- Factory installed filter-drier
- Low operating sound levels
- Top discharge
- Adapter fitting required for 1-1/8" line set
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	HSPF	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
B62-862	TE4B1821S	1-1/2	18,600	16,000	8.55	10.2	15	3/8"	3/4"	24"	26-3/4"	24"	122	B19-657
B62-863	TE4B2421S	2	25,000	22,200	9.0	14.1	20	3/8"	3/4"	24"	33-1/4"	24"	131	B19-657
B62-864	TE4B3021S	2-1/2	29,000	28,000	9.0	16.4	25	3/8"	3/4"	29-1/4"	36-1/4"	29-1/4"	165	B19-657
B62-865	TE4B3621S	3	35,000	34,000	8.55	19.6	30	3/8"	3/4"	35-1/4"	36-1/4"	31-3/4"	191	B19-657
B62-866	TE4B4221S	3-1/2	41,000	39,000	8.2	23.5	45	3/8"	7/8"	35-1/4"	36-1/4"	31-3/4"	210	B19-659
B62-867	TE4B4821S	4	46,500	45,500	9.0	24.5	45	3/8"	7/8"	38"	39-1/2"	34-1/4"	224	B19-659
B62-868	TE4B6021S	5	56,500	56,000	9.0	29.1	50	3/8"	1-1/8"*	38"	42-3/4"	34-1/4"	249	B19-659

Coleman HEATING AND AIR CONDITIONING



Heat Pumps

THE2B Series, R410A & XH4 Series, R-454B, 14.3 SEER2, Single-Phase, 1-1/2 to 5 Ton, R410A

- Enhanced aluminum fins
- Field installed liquid line filter-drier
- High pressure relief valve & temperature sensor
- High & low pressure switches
- Extruded louver coil guard
- Coated steel wire fan guard
- Top discharge
- Low operating sound levels
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	HSPF	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
B65-742	THE2B18S21S	1-1/2	17,200	16,000	8.2	9.1	15	3/8"	3/4"	24"	33-1/4"	24"	134	B19-657
B65-743	THE2B24T21S	2	23,600	22,000	8.2	13.4	20	3/8"	3/4"	24"	36-1/4"	24"	140	B19-657
B65-744	THE2B30T21S	2-1/2	29,200	26,800	8.2	15.6	25	3/8"	3/4"	29-1/4"	30"	29-1/4"	153	B19-657
B65-745	THE2B36T21S	3	35,000	32,600	8.2	20.3	35	3/8"	3/4"	31-3/4"	33-1/4"	35-1/4"	183	B19-659
B65-746	THE2B42T21S	3-1/2	39,000	38,000	8.2	26.1	45	3/8"	7/8"	31-3/4"	39-1/2"	35-1/4"	213	B19-659
B65-747	THE2B48T21S	4	45,000	43,500	8.2	26.1	45	3/8"	7/8"	31-3/4"	39-1/2"	35-1/4"	215	B19-659
B65-748	THE2B60T21S	5	55,000	54,000	8.2	30.3	50	3/8"	7/8"	34-1/4"	46"	38"	242	B19-659

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Heat Pumps

THF2 Series, 15.2 SEER2, Single-Phase, 1-1/2 to 5 Ton, R410A

- Enhanced aluminum fins coil
- 2-stage operation (except for 1.5 Ton)
- 2-stage demand defrost
- High pressure relief valve & temperature sensor
- High & low pressure switches
- Extruded louver coil guard
- Coated steel wire fan guard
- Top discharge
- Low operating sound levels
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines



Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
B66-559	THF2B18S21S	1-1/2	18,000	18,000	9.1	15	3/8"	3/4"	24"	33-1/4"	24"	141	B19-657
B66-560	THF2B24T21S	2	24,000	24,000	14.2	25	3/8"	3/4"	24"	36-1/4"	24"	147	B19-657
B66-561	THF2B30T21S	2-1/2	30,000	30,000	19	30	3/8"	3/4"	29-1/4"	36-1/4"	29-1/4"	177	B19-657
B66-562	THF2B36T21S	3	36,000	36,000	20.6	35	3/8"	3/4"	35-1/4"	39-1/2"	31-3/4"	204	B19-659
B66-563	THF2B42T21S	3-1/2	42,000	42,000	26.2	45	3/8"	7/8"	35-1/4"	39-1/2"	31-3/4"	232	B19-659
B66-564	THF2B48T21S	4	48,000	48,000	28.2	45	3/8"	7/8"	38"	39-1/2"	34-1/4"	243	B19-659
B66-565	THF2B60T21S	5	60,000	60,000	31.5	50	3/8"	1-1/8"*	38"	39-1/2"	34-1/4"	282	B19-659

Heat Pumps

◀ NEW

XH4 Series, 14.3 SEER2, Single-Phase, 2 To 5 Ton, R-454B

- Enhanced aluminum fins coil
- 2-stage compressor
- Field installed liquid line filter-drier
- High pressure relief valve & temperature sensor
- High & low pressure switches
- Extruded louver coil guard
- Coated steel wire fan guard
- Top discharge
- Low operating sound levels
- 208/230V



Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
B68-208 ◀	XH424E2S11	2	23,600	22,800	14.7	25	3/8"	3/4"	29-1/4"	30"	29-1/4"	162
B68-209 ◀	XH436E2S11	3	34,000	32,000	20.1	35	3/8"	3/4"	29-1/4"	36-1/4"	29-1/4"	176
B68-210 ◀	XH448E2S11	4	47,000	47,000	30.5	50	3/8"	7/8"	35-1/4"	39-1/2"	31-3/4"	232
B68-211 ◀	XH460E2S11	5	55,500	56,500	37.4	60	3/8"	7/8"	35-1/4"	39-1/2"	31-3/4"	255

Heat Pumps

◀ NEW

XH5 Series, 15.2 SEER2, Single-Phase, 2 To 5 Ton, R-454B

- Enhanced aluminum fins coil
- 2-stage compressor
- Field installed liquid line filter-drier
- High pressure relief valve & temperature sensor
- High & low pressure switches
- Extruded louver coil guard
- Coated steel wire fan guard
- Top discharge
- Low operating sound levels
- 208/230V



Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
B68-212 ◀	XH524E2S11	2	24,000	22,800	16.0	25	3/8"	3/4"	29-1/4"	30"	29-1/4"	162
B68-213 ◀	XH536E2S11	3	34,000	32,000	20.4	30	3/8"	3/4"	29-1/4"	36-1/4"	29-1/4"	176
B68-214 ◀	XH548E2S11	4	47,000	47,600	29.9	50	3/8"	7/8"	35-1/4"	39-1/2"	31-3/4"	232
B68-215 ◀	XH560E2S11	5	55,500	57,500	39.1	60	3/8"	7/8"	35-1/4"	39-1/2"	31-3/4"	255

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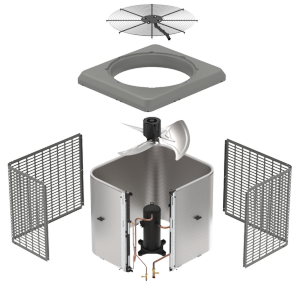

Heat Pumps

CH6B, LX Series, 16 SEER, Single-Phase, 1-1/2 to 5 Ton, R410A



- Aluminum fin and copper tube outdoor coil
- Removable 2-piece steel extruded louver coil guard
- 1-Stage scroll compressor
- Factory installed filter-drier
- TXV controls to all indoor coils
- Suction accumulator
- Demand defrost
- High & low pressure switches
- Conventional controls
- Easy service access
- Adapter fitting required for 1-1/8" line set
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	HSPF	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
B61-215	CH6B1821S	1-1/2	18,000	18,000	9.0	14.0	20	3/8"	3/4"	29-1/4"	36-1/4"	29-1/4"	136	B19-657
B61-216	CH6B2421S	2	24,000	24,000	9.0	15.5	25	3/8"	3/4"	35-1/4"	39-1/2"	31-3/4"	176	B19-657
B61-217	CH6B3021S	2-1/2	30,000	30,000	9.0	19.6	30	3/8"	3/4"	35-1/4"	39-1/2"	31-3/4"	176	B19-657
B61-218	CH6B3621S	3	36,000	36,000	9.0	22.0	35	3/8"	3/4"	35-1/4"	39-1/2"	31-3/4"	223	B19-658
B61-219	CH6B4221S	3-1/2	42,000	42,000	9.0	28.7	45	3/8"	7/8"	38"	39-1/2"	31-3/4"	270	B19-659
B61-220	CH6B4821S	4	48,000	48,000	9.0	25.9	40	3/8"	7/8"	38"	46"	34-1/4"	292	B19-659
B61-221	CH6B6021S	5	60,000	60,000	9.0	32.4	50	3/8"	1-1/8"*	38"	46"	34-1/4"	304	B19-660

Horizontal Discharge Heat Pumps

HMH7 Series, 17 SEER2, R410A & HH8 Series, 18 SEER2, R-454B, Single-Phase, 2 To 5 Ton, R410A



- Inverter driven variable-speed compressor
- ECM motor
- Swept wing fan
- Aluminum fin and copper tube outdoor coil
- Field installed TXVs
- Easy service access
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
B64-413	HMH72B241S	2	22,200	22,000	15.0	25	3/8"	5/8"	33-7/8"	26-3/8"	12-1/4"	112	B19-657
B66-860	HMH72B341S	3	34,000	34,000	23.0	35	3/8"	3/4"	37-3/8"	33"	13-3/8"	148	B19-659
B64-414	HMH72B361S	3	36,000	36,000	23.0	35	3/8"	3/4"	37-3/8"	33"	13-3/8"	148	B19-659
B64-415	HMH72B481S	4	48,000	46,000	36.0	50	3/8"	7/8"	37-3/8"	54-5/8"	13-3/8"	227	B19-659
B64-416	HMH72B601S	5	58,500	56,000	37.0	50	3/8"	7/8"	37-3/8"	54-5/8"	13-3/8"	251	B19-659

Heat Pumps

Echelon™, HC19B Series, 19 SEER, Single-Phase, Two-Stage, 2 To 5 Ton, R410A



- Copper tube and aluminum fin coil
- WhisperDrive™ System
- 2-Stage scroll compressor
- Swept-wing fan with ECM fan motor
- Composite base pan
- Factory installed filter-drier
- Climate Connect™
- Hx thermostat
- Communications capable
- Suction accumulator
- Compressor crankcase heater
- Compressor sound blanket
- Adapter fitting required for 1-1/8" line set
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	HSPF	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
B60-669	HC19B2421S	2	24,000	24,000	9.5	15.3	25	3/8"	3/4"	31-3/4"	39-1/2"	35-1/4"	176	B19-658
B60-670	HC19B3621S	3	36,000	36,000	10	21.4	35	3/8"	3/4"	34-1/2"	46-1/2"	38-1/4"	256	B19-658
B60-671	HC19B4821S	4	48,000	48,000	9.6	28.2	45	3/8"	7/8"	34-1/2"	46-1/2"	38-1/4"	292	B19-659
B60-672	HC19B6021S	5	60,000	60,000	9.6	31.4	50	3/8"	1-1/8" *	34-1/2"	46-1/2"	38-1/4"	304	B19-659

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Horizontal Discharge Heat Pumps

◀ NEW

HH8 Series, 18 SEER2, Single-Phase, Variable-Speed, 2 To 4 Ton, R-454B

- Inverter driven variable-speed compressor
- ECM motor
- Swept wing fan
- Aluminum fin and copper tube outdoor coil
- Field installed TXVs
- Easy service access
- 208/230V



Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
B68-216 ◀	HH824E2S11	2	24,000	18,400	24.0	35	3/8"	5/8"	35-3/7"	29-1/2"	13-2/5"	117
B68-217 ◀	HH836E2S11	3	34,000	26,600	28.0	35	3/8"	3/4"	43-1/3"	34-4/9"	17-5/7"	185
B68-218 ◀	HH860E2S11	4	46,000	35,600	27.0	45	3/8"	7/8"	38-2/5"	57-1/2"	13"	234

Heat Pumps

Echelon™, HC20B Series, 20 SEER, Single-Phase, Modulating, 2 To 5 Ton, R410A

- Copper tube and aluminum fin coil
- Variable capacity (inverter driven)
- Inverter drive scroll compressor
- Copper or stainless steel filter-drier
- Suction accumulator
- Composite base pan
- Swept-wing fan with ECM fan motor
- Slotted 2-piece coil guard
- Communicating only
- Outdoor main control with Charge View™
- Power conditioning chokes
- 24VAC transformer
- Removable fan guard
- Hx thermostat
- Adapter fitting required for 1-1/8" line set
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines



Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	HSPF	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
B79-689	HC20B2421S	2	24,000	24,000	11.0	17.7	30	3/8"	3/4"	32"	40-1/4"	35-1/2"	242
B79-690	HC20B3621S	3	36,000	36,000	11.0	25.7	40	3/8"	3/4"	32"	40-1/4"	35-1/2"	259
B79-691	HC20B4821S	4	48,000	48,000	10.5	28.6	45	3/8"	7/8"	34-1/2"	46-1/2"	38-1/4"	292
B79-692	HC20B6021S	5	60,000	60,000	10.5	33.9	50	3/8"	1-1/8" *	34-1/2"	46-1/2"	38-1/4"	304

Air Conditioning Condensing Units

TC3B, LX Series, 13 SEER, Single-Phase, 1-1/2 To 5 Ton, R410A

- High efficiency microchannel aluminum
- Stamped steel coil guard for coil protection
- High pressure relief valve, temperature sensor & high pressure switch for compressor protection
- Factory installed liquid line filter-drier
- Top discharge
- Low operating sound levels
- Adapter fitting must be field field installed for the required 1-1/8" line set
- Units are designed for the Northern Region only
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines



Order #	Mfg. #	Nom. Tons	BtuH Cooling	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
B65-820	TC3B1823S	1-1/2	18,000	18.9	15	3/8"	3/4"	24"	30"	24"	120	B19-657
B62-069	TC3B2423S	2	24,000	11.4	15	3/8"	3/4"	24"	26-3/4"	24"	130	B20-469
B61-248	TC3B3022S	2-1/2	30,000	18.4	30	3/8"	3/4"	24"	30"	24"	140	B19-657
B62-200	TC3B3623S	3	36,000	19.8	30	3/8"	3/4"	24"	33-1/4"	24"	165	B19-657
B62-201	TC3B4223S	3-1/2	42,000	21.1	35	3/8"	7/8"	29-1/4"	30"	29-1/4"	175	B19-659
B77-418	TC3B4821S	4	48,000	28.5	50	3/8"	7/8"	29-1/4"	30"	29-1/4"	165	B19-659
B62-070	TC3B6022S	5	60,000	29.1	60	3/8"	1-1/8"*	29-1/4"	36-1/4"	29-1/4"	190	B19-660

Air Conditioning Condensing Units

TCD2 Series, R410A & XC3 Series, R-454B, 13.4 SEER2, Single-Phase, 1-1/2 to 5 Ton, R410A



- High efficiency microchannel aluminum
- Stamped steel coil guard for coil protection
- High pressure relief valve, temperature sensor & high-pressure switch for compressor protection
- Field installed liquid line filter-drier
- Top discharge
- Low operating sound levels
- 208/230V
- Regional efficiency standards are now in effect. Make sure you adhere to all National, State, and Local efficiency standards in effect in your region

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
B66-456	TCD2B18S21S	1-1/2	18,000	8.9	15	3/8"	3/4"	24"	30"	24"	120	B19-657
B66-457	TCD2B24S21S	2	23,800	11.3	15	3/8"	3/4"	24"	33-1/4"	24"	135	B19-657
B66-458	TCD2B30S21S	2-1/2	28,800	15.3	25	3/8"	3/4"	24"	33-1/4"	24"	130	B19-657
B66-459	TCD2B36S21S	3	35,400	19.6	30	3/8"	3/4"	29-1/4"	30"	29-1/4"	150	B19-659
B66-460	TCD2B42S21S	3-1/2	40,000	21.1	35	3/8"	7/8"	29-1/4"	36-1/4"	29-1/4"	195	B19-659
B66-461	TCD2B48S21S	4	47,000	25.7	45	3/8"	7/8"	31-1/4"	33-1/4"	35-1/4"	200	B19-659
B66-462	TCD2B60S21S	5	55,500	29.1	50	3/8"	7/8"	34-1/4"	36-1/4"	38"	230	B19-659

Air Conditioning Condensing Units

NEW

XC3 Series, 13.4 SEER2, Single-Phase, 1-1/2 To 5 Ton, R-454B



- High efficiency microchannel aluminum
- Stamped steel coil guard for coil protection
- High pressure relief valve, temperature sensor & high pressure switch for compressor protection
- Field installed liquid line filter-drier
- Top discharge
- Low operating sound levels
- 208/230V

Order #	Mfg. #	Nom. Tons	BtuH Cooling	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
B68-194	XC318E2S11	1-1/2	17,800	9.1	15	3/8"	3/4"	24"	26-3/4"	24"	120
B68-195	XC324E2S11	2	23,000	12.7	20	3/8"	3/4"	24"	33-1/4"	24"	135
B68-196	XC330E2S11	2-1/2	28,800	16.3	25	3/8"	3/4"	24"	36-1/4"	24"	140
B68-197	XC336E2S11	3	34,000	18.2	30	3/8"	3/4"	24"	36-1/4"	24"	140
B68-198	XC342E2S11	3-1/2	40,000	19.2	30	3/8"	7/8"	29-1/4"	36-1/4"	29-1/4"	195
B68-199	XC348E2S11	4	47,000	29.3	50	3/8"	7/8"	35-1/4"	33-1/4"	31-3/4"	210
B68-200	XC360E2S11	5	56,000	30.9	50	3/8"	1-1/8"	38"	36-1/4"	34-1/4"	230

Air Conditioning Condensing Units

TCD2 Series, R410A & XC3 Series, R-454B, 13.4 SEER2, Single-Phase, 1-1/2 to 5 Ton, R410A



- High efficiency microchannel aluminum
- Stamped steel coil guard for coil protection
- High pressure relief valve, temperature sensor & high-pressure switch for compressor protection
- Field installed liquid line filter-drier
- Top discharge
- Low operating sound levels
- 208/230V
- Regional efficiency standards are now in effect. Make sure you adhere to all National, State, and Local efficiency standards in effect in your region

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
B66-456	TCD2B18S21S	1-1/2	18,000	8.9	15	3/8"	3/4"	24"	30"	24"	120	B19-657
B66-457	TCD2B24S21S	2	23,800	11.3	15	3/8"	3/4"	24"	33-1/4"	24"	135	B19-657
B66-458	TCD2B30S21S	2-1/2	28,800	15.3	25	3/8"	3/4"	24"	33-1/4"	24"	130	B19-657
B66-459	TCD2B36S21S	3	35,400	19.6	30	3/8"	3/4"	29-1/4"	30"	29-1/4"	150	B19-659
B66-460	TCD2B42S21S	3-1/2	40,000	21.1	35	3/8"	7/8"	29-1/4"	36-1/4"	29-1/4"	195	B19-659
B66-461	TCD2B48S21S	4	47,000	25.7	45	3/8"	7/8"	31-1/4"	33-1/4"	35-1/4"	200	B19-659
B66-462	TCD2B60S21S	5	55,500	29.1	50	3/8"	7/8"	34-1/4"	36-1/4"	38"	230	B19-659

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Air Conditioning Condensing Units

TC4B/TW4B, LX Series, 14 SEER, Single-Phase, 1-1/2 to 5 Ton, R410A



- High efficiency microchannel aluminum
- Stamped steel coil guard for coil protection
- High pressure relief valve, temperature sensor & high-pressure switch for compressor protection
- Factory installed liquid line filter-drier
- Top discharge
- Low operating sound levels
- Adapter fitting required for 1-1/8" line set
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
Southeast & Northern Region Only												
B61-251	TC4B1822S	1-1/2	18,000	12.7	20	3/8"	3/4"	24"	30"	24"	125	B20-469
B61-252	TC4B2422S	2	24,000	14.8	25	3/8"	3/4"	29-1/4"	26-3/4"	29-1/4"	135	B20-469
B61-253	TC4B3022S	2-1/2	30,000	18.4	30	3/8"	3/4"	29-1/4"	26-3/4"	29-1/4"	140	B19-657
B61-254	TC4B3622S	3	36,000	19.6	30	3/8"	3/4"	29-1/4"	30"	29-1/4"	145	B19-657
B61-255	TC4B4222S	3-1/2	42,000	25.3	40	3/8"	7/8"	29-1/4"	36-1/4"	29-1/4"	185	B19-659
B77-430	TC4B4821S	4	48,000	25.7	45	3/8"	7/8"	35-1/4"	33-1/4"	31-3/4"	200	B19-659
B77-431	TC4B6021S	5	60,000	31.7	50	3/8"	1-1/8"*	38"	36-1/4"	34-1/4"	205	B19-660
Standard - Southwest Region Only												
B77-432	TW4B1821S	1-1/2	18,000	11.8	20	3/8"	3/4"	24"	33-1/4"	24"	130	B19-657
B62-066	TW4B2422S	2	24,000	14.8	25	3/8"	3/4"	29-1/4"	30"	29-1/4"	135	B20-469
B62-067	TW4B3022S	2-1/2	30,000	18.4	30	3/8"	3/4"	29-1/4"	30"	29-1/4"	140	B19-657
B77-436	TW4B4221S	3-1/2	42,000	22.1	35	3/8"	7/8"	35-1/4"	33-1/4"	31-3/4"	200	B19-659

Air Conditioning Condensing Units

TCE2B Series,14.3 SEER2, Single-Phase, 1-1/2 To 5 Ton, R410A



- High efficiency microchannel aluminum
- Stamped steel coil guard for coil protection
- High pressure relief valve
- Temperature sensor
- High pressure switch for compressor protection
- Field installed liquid line filter-drier
- Top discharge
- Low operating sound levels
- Adapter fitting required for 1-1/8" line set
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
B65-532	TCE2B18S21S	1-1/2	17,600	11.8	20	3/8"	3/4"	29-1/4"	30"	29-1/4"	150	B19-657
B65-533	TCE2B24S21S	2	23,200	15.1	25	3/8"	3/4"	29-1/4"	30"	29-1/4"	150	B19-657
B65-534	TCE2B30S21S	2-1/2	29,000	15.3	25	3/8"	3/4"	29-1/4"	36-1/4"	29-1/4"	165	B19-657
B65-535	TCE2B36S21S	3	35,000	17.6	30	3/8"	3/4"	31-3/4"	33-1/4"	35-1/4"	185	B19-659
B65-536	TCE2B42S21S	3-1/2	40,000	23.4	40	3/8"	7/8"	31-3/4"	36-1/4"	35-1/4"	215	B19-659
B65-537	TCE2B48S21S	4	47,000	24	40	3/8"	7/8"	31-3/4"	33-1/4"	35-1/4"	210	B19-659
B65-538	TCE2B60S21S	5	56,000	30.9	50	3/8"	1-1/8"	34-3/4"	36-1/4"	38"	230	B19-659

Air Conditioning Condensing Units

TCF2B Series, 15.2 SEER2, Single-Phase, 1-1/2 to 5 Ton, R410A



- Scroll compressor throughout: 2-stage scroll on 3.5, 4 and 5 Ton models
- Filter-drier shipped loose for field installation at either indoor coil or AC unit
- Service valves feature 45 degree access ports for easy gauge hook-up
- Swing-out control box
- Two easily removable coil guards
- Top or side access to compressor compartment
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
B66-274	TCF2B18S21S	1-1/2	18,000	13.2	20	3/8"	3/4"	29-1/4"	26-3/4"	29-1/4"	140	B19-657
B66-275	TCF2B24S21S	2	24,000	16.2	25	3/8"	3/4"	29-1/4"	26-3/4"	29-1/4"	140	B19-657
B66-276	TCF2B30S21S	2-1/2	30,000	16.0	25	3/8"	3/4"	29-1/4"	30"	29-1/4"	160	B19-657
B66-277	TCF2B36S21S	3	36,000	17.7	30	3/8"	3/4"	35-1/4"	33-1/4"	31-3/4"	175	B19-659
B66-278	TCF2B42T21S	3-1/2	42,000	26.0	45	3/8"	7/8"	35-1/4"	36-1/4"	31-3/4"	205	B19-659
B66-279	TCF2B48T21S	4	48,000	26.8	45	3/8"	7/8"	38"	39-1/2"	34-1/4"	250	B19-659
B66-280	TCF2B60T21S	5	60,000	34.0	50	3/8"	1-1/8"*	38"	39-1/2"	34-1/4"	255	B19-659

Air Conditioning Condensing Units

NEW

XC4 Series, 14.3 SEER2, Single-Phase, 1-1/2 To 5 Ton, R-454B



- High efficiency microchannel aluminum
- Stamped steel coil guard for coil protection
- High pressure relief valve, temperature sensor & high pressure switch for compressor protection
- Field installed liquid line filter-drier
- Top discharge
- Low operating sound levels
- 208/230V

Order #	Mfg. #	Nom. Tons	BtuH Cooling	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
B68-201	XC418E2S11	1-1/2	18,000	9	15	3/8"	3/4"	29-1/4"	30"	29-1/4"	150
B68-202	XC424E2S11	2	23,600	13.4	20	3/8"	3/4"	29-1/4"	30"	29-1/4"	150
B68-203	XC430E2S11	2-1/2	29,800	16.2	25	3/8"	3/4"	29-1/4"	39-1/2"	29-1/4"	165
B68-204	XC436E2S11	3	35,600	19	30	3/8"	3/4"	35-1/4"	33-1/4"	31-1/4"	185
B68-205	XC442E2S11	3-1/2	40,500	18.9	30	3/8"	7/8"	38"	36-1/4"	34-1/4"	230
B68-206	XC448E2S11	4	47,500	29.1	50	3/8"	7/8"	35-1/4"	36-1/4"	31-3/4"	215
B68-207	XC460E2S11	5	57,500	30.7	50	3/8"	1-1/8"	38"	42-3/4"	34-1/4"	235

Horizontal Discharge Air Conditioning Condensing Units

HMCG Series, 16.0+ SEER2, Single-Phase, Modulating, 2 to 5 Ton, R410A



- Inverter driven compressor
- High & low pressure switch for compressor protection
- Enhanced aluminum fins are mechanically bonded to copper tubing and coated to shed water during defrost cycles
- Coated steel wire fan guard for coil protection
- Factory installed accumulator
- Top discharge
- Low operating sound levels
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
B66-299	HMCG22B241S	2	24,000	15.0	25	3/8"	5/8"	33-7/8"	26-3/8"	12-1/4"	99	B19-657
B66-300	HMCG22B361S	3	36,000	23.0	35	3/8"	5/8"	35-3/8"	29-1/2"	13-3/8"	117	B19-657
B66-301	HMCG22B481S	4	48,000	35.0	50	3/8"	7/8"	37-3/8"	54-5/8"	13-3/8"	206	B19-659
B66-302	HMCG22B601S	5	56,000	35.0	50	3/8"	7/8"	37-3/8"	54-5/8"	13-3/8"	207	B19-659

Air Conditioning Condensing Units

CC7B, LX Series, 17 SEER, Single-Phase, 1-1/2 To 5 Ton, R410A



- Microchannel aluminum coils
- Coated steel wire fan guard
- ECM fan motor
- High pressure relief valve and temperature sensor
- High and low pressure switches
- Factory installed liquid line filter-drier
- Low operating sound levels
- Diagonal base valves
- Adapter fitting required for 1-1/8 line set
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines

Order #	Mfg. #	Nom. Tons	BtuH Cooling	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
B78-418	CC7B2421S	2	24,000	16.4	25	3/8"	3/4"	29-1/4"	30"	29-1/4"	150	B19-657
B78-419	CC7B3021S	2-1/2	30,000	18.8	30	3/8"	3/4"	35-1/4"	36-1/4"	31-3/4"	165	B20-469
B78-420	CC7B3621S	3	36,000	22.0	35	3/8"	3/4"	35-1/4"	36-1/4"	31-3/4"	175	B19-657
B78-422	CC7B4821S	4	48,000	25.9	40	3/8"	7/8"	38"	39-1/2"	34-1/4"	220	B19-659

MOTOR FINDER

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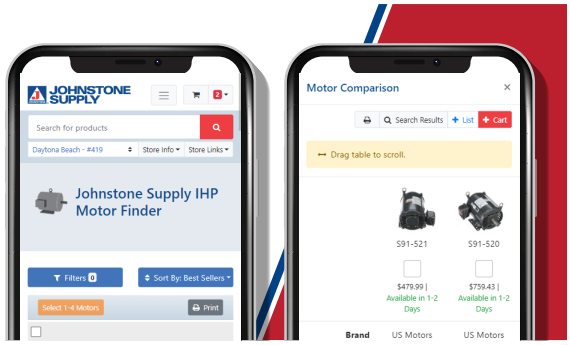

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Air Conditioning Condensing Units

Echelon™ AC18B Series, 19 SEER, Single-Phase, Two-Stage, 2 To 5 Ton, R410A

- 2-piece steel extruded louver coil guard protects the tube-in-fin coil
- 2-speed protected scroll compressor
- WhisperDrive™ System
- ECM fan motor
- Swept wing fan
- Composite base pan
- Aluminum fin and copper tube outdoor coil
- Factory installed filter-drier
- Climate Connect™ providing pre-configured operating profiles
- Easy service access
- Advanced system control
- Factory or field installed TXV
- Communication capable
- Adapter fitting required for 1-1/8" line set
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines



Order #	Mfg. #	Nom. Tons	BtuH Cooling	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.	OEM TXV
B60-665	AC19B2421S	2	24,000	15.3	25	3/8"	3/4"	38-1/4"	40-1/4"	34-1/2"	195	B20-469
B60-666	AC19B3621S	3	36,000	21.4	35	3/8"	3/4"	38-1/4"	46-1/2"	34-1/2"	265	B19-657
B60-667	AC19B4821S	4	48,000	28.2	45	3/8"	7/8"	38-1/4"	46-1/2"	34-1/2"	295	B19-659
B60-668	AC19B6021S	5	60,000	31.4	50	3/8"	1-1/8"*	38-1/4"	46-1/2"	34-1/2"	295	B19-659

Air Conditioning Condensing Units

Echelon™ AC21B, 20 SEER, Single-Phase, Modulating, 2 To 5 Ton, R410A

- Copper tube and aluminum fin coil
- Variable capacity (inverter driven)
- Inverter drive scroll compressor
- Copper or stainless steel filter-drier
- Composite base pan
- Swept-wing fan with ECM fan motor
- Slotted 2-piece coil guard
- Communicating only
- Outdoor main control with Charge View™
- Power conditioning chokes
- 24VAC transformer
- Removable fan guard
- Hx thermostat
- Adapter fitting required for 1-1/8" line set
- 208/230V

Applications:
- Product not suitable for all regions

Note: Installation must meet all Federal, State, and Local guidelines



Order #	Mfg. #	Nom. Tons	BtuH Cooling	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
B79-685	AC21B2421S	2	24,000	17.4	30	3/8"	3/4"	32"	40-1/4"	35-1/2"	194
B79-686	AC21B3621S	3	36,000	25.7	40	3/8"	3/4"	32"	40-1/4"	35-1/2"	205
B79-687	AC21B4821S	4	48,000	28.6	45	3/8"	7/8"	34-1/2"	43-1/4"	38-1/4"	264
B79-688	AC21B6021S	5	60,000	33.9	50	3/8"	7/8"	34-1/2"	46-1/2"	38-1/4"	270

Evaporator Coils

XAM Series, Full Cased, Multi-Position, EEV Installed

- Rigid case construction interior endoskeleton
- MaxAlloyTM coil
- Single piece with no external screws
- Foil faced insulation
- Thermoset drain pan
- Factory installed EEV

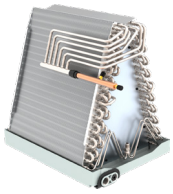


Order #	Mfg. #	Nom. Tons	Metering Device	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
B66-637	XAMB24DE1N1	2	EEV	3/8"	3/4"	17-1/2"	25-5/8"	21-1/2"	50
B66-638	XAMB36DE2N1	3	EEV	3/8"	3/4"	17-1/2"	25-5/8"	21-1/2"	50
B66-639	XAMC36DE2N1	3	EEV	3/8"	3/4"	21"	27"	21-1/2"	58
B66-640	XAMC48HE3N1	4	EEV	3/8"	7/8"	21"	39"	21-1/2"	78
B66-641	XAMD48HE3N1	4	EEV	3/8"	7/8"	24-1/2"	39"	21-1/2"	84
B66-642	XAMC60HE4N1	5	EEV	3/8"	7/8"	21"	39"	21-1/2"	78
B66-643	XAMD60HE4N1	5	EEV	3/8"	7/8"	24-1/2"	39"	21-1/2"	84

Evaporator Coils

- MaxAlloy™ coil
- Single piece with no external screws (for cased coils)
- Foil faced insulation
- Thermoset drain pan
- Field installed TXV's sold separately
- Engineered to match-up with SEER2 compliant Air Conditioners & Heat Pumps


A


B


C

Fig.	Order #	Mfg. #	Nom. Tons	Metering Device	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
XAF Series, Full Cased, Upflow/Downflow, "A" Type, Flex Coil										
A	**B64-998**	XAFA18AXXN1	1-1/2	—	3/8"	3/4"	14-1/2"	19-1/2"	21-1/2"	32
A	**B65-005**	XAFB18AXXN1	1-1/2	—	3/8"	3/4"	17-1/2"	19"	21-1/2"	33
A	**B65-001**	XAFA24BXXN1	2	—	3/8"	3/4"	14-1/2"	21-5/8"	21-1/2"	34
A	**B65-007**	XAFB24BXXN1	2	—	3/8"	3/4"	17-1/2"	23"	21-1/2"	37
A	**B65-003**	XAFA30DXXN1	2-1/2	—	3/8"	3/4"	14-1/2"	25-1/2"	21-1/2"	42
A	**B65-009**	XAFB30CXXN1	2-1/2	—	3/8"	3/4"	17-1/2"	25-5/8"	21-1/2"	42
A	**B65-016**	XAFC30CXXN1	2-1/2	—	3/8"	3/4"	21"	23"	21-1/2"	48
A	**B65-012**	XAFB36DXXN1	3	—	3/8"	3/4"	17-1/2"	25-5/8"	21-1/2"	49
A	**B65-014**	XAFB36EXXN1	3	—	3/8"	7/8"	17-1/2"	25-5/8"	21-1/2"	51
A	**B65-019**	XAFC36DXXN1	3	—	3/8"	3/4"	21"	23"	21-1/2"	49
A	**B65-021**	XAFC42EXXN1	3-1/2	—	3/8"	7/8"	21"	25"	21-1/2"	54
A	**B65-031**	XAFD42EXXN1	3-1/2	—	3/8"	7/8"	24-1/2"	25"	21-1/2"	56
A	**B65-024**	XAFC48FXXN1	4	—	3/8"	7/8"	21"	27"	21-1/2"	60
A	**B65-034**	XAFD48FXXN1	4	—	3/8"	7/8"	24-1/2"	27"	21-1/2"	58
A	**B65-027**	XAFC60GXXN1	5	—	3/8"	7/8"	21"	33"	21-1/2"	66
A	**B65-029**	XAFC60HXXN1	5	—	3/8"	7/8"	21"	37-1/4"	21-1/2"	72
A	**B65-037**	XAFD60GXXN1	5	—	3/8"	7/8"	24-1/2"	32-3/4"	21-1/2"	68
A	**B65-039**	XAFD60HXXN1	5	—	3/8"	7/8"	24-1/2"	32-3/4"	21-1/2"	75
A	**B65-427**	XAFD60JXXN1	5	—	3/8"	7/8"	24-1/2"	32-3/4"	21-1/2"	75
XAF Series, Full Cased, Upflow/Downflow, "A" Type, TXV										
A	**B64-997**	XAFA18ABAN1	1-1/2	TXV	3/8"	3/4"	14-1/2"	19-1/2"	21-1/2"	32
A	**B65-004**	XAFB18ABAN1	1-1/2	TXV	3/8"	3/4"	17-1/2"	19"	21-1/2"	33
A	**B64-999**	XAFA24BBAN1	2	TXV	3/8"	3/4"	14-1/2"	21-5/8"	21-1/2"	34
A	**B65-006**	XAFB24BBAN1	2	TXV	3/8"	3/4"	17-1/2"	23"	21-1/2"	37
A	**B65-002**	XAFA30DBAN1	2-1/2	TXV	3/8"	3/4"	14-1/2"	25-1/2"	21-1/2"	42
A	**B65-008**	XAFB30CBAN1	2-1/2	TXV	3/8"	3/4"	17-1/2"	25-5/8"	21-1/2"	42
A	**B65-015**	XAFC30CBAN1	2-1/2	TXV	3/8"	3/4"	21"	23"	21-1/2"	48
A	**B65-010**	XAFB36DBAN1	3	TXV	3/8"	3/4"	17-1/2"	25-5/8"	21-1/2"	49
A	**B65-011**	XAFB36DBCN1	3	TXV	3/8"	3/4"	17-1/2"	25-5/8"	21-1/2"	49
A	**B65-013**	XAFB36EBCN1	3	TXV	3/8"	7/8"	17-1/2"	25-5/8"	21-1/2"	51
A	**B65-017**	XAFC36DBAN1	3	TXV	3/8"	3/4"	21"	23"	21-1/2"	49
A	**B65-018**	XAFC36DBCN1	3	TXV	3/8"	3/4"	21"	23"	21-1/2"	49
A	**B65-020**	XAFC42EBCN1	3-1/2	TXV	3/8"	7/8"	21"	25"	21-1/2"	54
A	**B65-030**	XAFD42EBCN1	3-1/2	TXV	3/8"	7/8"	24-1/2"	25"	21-1/2"	58
A	**B65-022**	XAFC48FBAN1	4	TXV	3/8"	7/8"	21"	27"	21-1/2"	57
A	**B65-023**	XAFC48FBCN1	4	TXV	3/8"	7/8"	21"	27"	21-1/2"	57
A	**B65-032**	XAFD48FBAN1	4	TXV	3/8"	7/8"	24-1/2"	27"	21-1/2"	60
A	**B65-033**	XAFD48FBCN1	4	TXV	3/8"	7/8"	24-1/2"	27"	21-1/2"	60
A	**B65-025**	XAFC60GBAN1	5	TXV	3/8"	7/8"	21"	33"	21-1/2"	66
A	**B65-026**	XAFC60GBCN1	5	TXV	3/8"	7/8"	21"	33"	21-1/2"	66
A	**B65-028**	XAFC60HBCN1	5	TXV	3/8"	7/8"	21"	37-1/4"	21-1/2"	72
A	**B65-035**	XAFD60GBAN1	5	TXV	3/8"	7/8"	24-1/2"	32-3/4"	21-1/2"	68
A	**B65-036**	XAFD60GBCN1	5	TXV	3/8"	7/8"	24-1/2"	32-3/4"	21-1/2"	68
A	**B65-038**	XAFD60HBCN1	5	TXV	3/8"	7/8"	24-1/2"	37-1/4"	21-1/2"	76
A	**B65-040**	XAFD60JBCN1	5	TXV	3/8"	7/8"	24-1/2"	32-3/4"	21-1/2"	75
XAU Series, Uncased, Upflow/Downflow, "A" Type, Flex Coil										
B	**B65-041**	XAUA18AXXN1	1-1/2	—	3/8"	3/4"	13"	16-5/8"	21"	16
B	**B65-042**	XAUA24BXXN1	2	—	3/8"	3/4"	13"	18-3/4"	21"	18
B	**B65-043**	XAUB30CXXN1	2-1/2	—	3/8"	3/4"	16"	21-1/4"	21"	20

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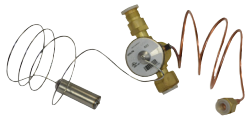
Fig.	Order #	Mfg. #	Nom. Tons	Metering Device	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
B	**B65-044**	XAUB36DXXN1	3	—	3/8"	3/4"	16"	21-1/2"	21"	26
B	**B65-046**	XAUC48FXXN1	4	—	3/8"	7/8"	19-1/2"	25"	21"	31
B	**B65-047**	XAUC60GXXN1	5	—	3/8"	7/8"	19-1/2"	29-1/4"	21"	34
B	**B65-048**	XAUD60GXXN1	5	—	3/8"	7/8"	23"	28-3/4"	21"	38
B	**B65-049**	XAUD60HXXN1	5	—	3/8"	7/8"	23"	33"	21"	43
XAH Series, Cased, Horizontal, "A" Type, Flex Coil										
C	**B65-578**	XAHA18AXXN1	1-1/2	—	3/8"	3/4"	14-1/2"	23"	21-1/2"	38
C	**B65-579**	XAHA24BXXN1	2	—	3/8"	3/4"	14-1/2"	23"	21-1/2"	40
C	**B65-580**	XAHB24BXXN1	2	—	3/8"	3/4"	17-1/2"	23"	21-1/2"	38
C	**B65-581**	XAHB30CXXN1	2-1/2	—	3/8"	3/4"	17-1/2"	25-5/8"	21-1/2"	44
C	**B65-582**	XAHC30CXXN1	2-1/2	—	3/8"	3/4"	21"	27"	21-1/2"	53
C	**B65-583**	XAHB36DXXN1	3	—	3/8"	3/4"	17-1/2"	25-5/8"	21-1/2"	50
C	**B65-584**	XAHC36DXXN1	3	—	3/8"	3/4"	21"	27"	21-1/2"	58
C	**B65-585**	XAHC42EXXN1	3-1/2	—	3/8"	7/8"	21"	28-3/4"	21-1/2"	62
C	**B65-586**	XAHD42EXXN1	3-1/2	—	3/8"	7/8"	24-1/2"	32-3/4"	21-1/2"	67
C	**B65-587**	XAHC48FXXN1	4	—	3/8"	7/8"	21"	33"	21-1/2"	73
C	**B65-588**	XAHD48FXXN1	4	—	3/8"	7/8"	24-1/2"	32-3/4"	21-1/2"	80
C	**B65-589**	XAHC60GXXN1	5	—	3/8"	7/8"	21"	37-1/4"	21-1/2"	68
C	**B65-590**	XAHD60GXXN1	5	—	3/8"	7/8"	24-1/2"	37-1/4"	21-1/2"	72
C	**B65-592**	XAHD60HXXN1	5	—	3/8"	7/8"	24-1/2"	39"	21-1/2"	84
C	**B65-593**	XAHD60JXXN1	5	—	3/8"	7/8"	24-1/2"	37-1/4"	21-1/2"	83
XAH Series, Cased, Horizontal, "A" Type, TXV										
C	**B65-927**	XAHA18ABAN1	1-1/2	TXV	3/8"	3/4"	14-1/2"	23"	21-1/2"	38
C	**B65-928**	XAHA24BBAN1	2	TXV	3/8"	3/4"	14-1/2"	23"	21-1/2"	40
C	**B65-929**	XAHB24BBAN1	2	TXV	3/8"	3/4"	17-1/2"	23"	21-1/2"	38
C	**B65-930**	XAHB30CBAN1	2-1/2	TXV	3/8"	3/4"	17-1/2"	25-5/8"	21-1/2"	44
C	**B65-931**	XAHC30CBAN1	2-1/2	TXV	3/8"	3/4"	21"	27"	21-1/2"	53
C	**B65-932**	XAHB36DBAN1	3	TXV	3/8"	3/4"	17-1/2"	25-5/8"	21-1/2"	50
C	**B65-933**	XAHB36DBCN1	3	TXV	3/8"	3/4"	17-1/2"	25-5/8"	21-1/2"	50
C	**B65-934**	XAHC36DBAN1	3	TXV	3/8"	3/4"	21"	27"	21-1/2"	58
C	**B65-935**	XAHC36DBCN1	3	TXV	3/8"	3/4"	21"	27"	21-1/2"	58
C	**B65-936**	XAHC42EBCN1	3-1/2	TXV	3/8"	7/8"	21"	28-3/4"	21-1/2"	62
C	**B65-938**	XAHC48FBAN1	4	TXV	3/8"	7/8"	21"	33"	21-1/2"	73
C	**B65-939**	XAHC48FBCN1	4	TXV	3/8"	7/8"	21"	33"	21-1/2"	73
C	**B65-941**	XAHD48FBCN1	4	TXV	3/8"	7/8"	24-1/2"	32-3/4"	21-1/2"	80
C	**B65-942**	XAHC60GBAN1	5	TXV	3/8"	7/8"	21"	37-1/4"	21-1/2"	68
C	**B65-943**	XAHC60GBCN1	5	TXV	3/8"	7/8"	21"	37-1/4"	21-1/2"	68
C	**B65-944**	XAHC60HBCN1	5	TXV	3/8"	7/8"	21"	39"	21-1/2"	78
C	**B65-946**	XAHD60GBCN1	5	TXV	3/8"	7/8"	24-1/2"	37-1/4"	21-1/2"	72
C	**B65-947**	XAHD60HBCN1	5	TXV	3/8"	7/8"	24-1/2"	39"	21-1/2"	84
C	**B65-948**	XAHD60JBCN1	5	TXV	3/8"	7/8"	24-1/2"	37-1/4"	21-1/2"	83

Bolt-On Mechanical TXV Kits

- The kit consists of a bolt-on thermal expansion valve, 2.5 feet of thermal insulation, bulb straps or bulb clamp and instructions
- When a TXV kit is installed on systems using reciprocating compressors, a hard start kit must be installed; hard start kits are not necessary on units using scroll compressors
- For additional TXV selection, go to www.johnstonesupply.com.

SOURCE 1 HVAC Service Parts



Order #	Mfg. #	Wt. Lbs.
B17-085	S1-1TVM4F1	1.55
B17-086	S1-1TVM4G1	1.50
B17-087	S1-1TVM4H1	1.50
B17-088	S1-1TVM4J1	1.50
B17-089	S1-1TVM4K1	1.50
B18-133	S1-1TVM4N1	2.00
B18-720	S1-1TVM4Q1	2.00
B18-721	S1-1TVM4R1	2.00
B18-722	S1-1TVM4S1	2.00

Order #	Mfg. #	Wt. Lbs.
B18-723	S1-1TVM4T1	2.00
B19-657	S1-1TVMBA1	2.00
B19-658	S1-1TVMBB1	2.00
B19-659	S1-1TVMBC1	2.00
B19-660	S1-1TVMBD1	2.00
B20-486	S1-02547301000	2.01
B20-487	S1-02547302000	2.02
B20-488	S1-02527155000	2.03

Coleman HEATING AND AIR CONDITIONING



Single-Piece Air Handlers

JHVV Series, Variable-Speed, ECM, Communicating

- Upflow, downflow and horizontal left or right
- Variable-speed ECM motor
- MaxAlloy™ coil
- Factory installed Electronic Expansion Valve (EEV)
- Tool-less filter access with sliding latch
- Foil faced insulation
- Thermoset drain pan
- Less than 2% at 1 in. W.C. external static pressure when tested in accordance with ASHRAE Standard 193
- 8HK heat kits sold separately
- 208/230V

Order #	Mfg. #	Nom. Tons	Nom. CFM	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
L60-814	JHVVB24DE1C2N1	2	800	3.3	15	3/8"	3/4"	17-1/2"	49-5/8"	21-7/16"	102
L60-815	JHVVB36DE2C2N1	3	1,200	4.8	15	3/8"	3/4"	17-1/2"	49-5/8"	21-7/16"	102
L60-816	JHVVC36DE2C2N1	3	1,200	4.8	15	3/8"	3/4"	21"	51"	21-7/16"	116
L60-817	JHVVC48HE3C2N1	4	1,600	6.8	15	3/8"	7/8"	21"	63"	21-7/16"	145
L60-818	JHVVD48HE3C2N1	4	1,600	6.8	15	3/8"	7/8"	24-1/2"	63"	21-7/16"	150
L60-819	JHVVC60HE4C2N1	5	1,800	8.8	15	3/8"	7/8"	21"	63"	21-7/16"	145
L60-820	JHVVD60HE4C2N1	5	1,800	8.8	15	3/8"	7/8"	24-1/2"	63"	21-7/16"	150

Coleman HEATING AND AIR CONDITIONING



Single-Piece Air Handlers

AVC Series, Variable-Speed, ECM, Communicating

- Upflow, downflow and horizontal left or right
- Rigid case construction interior endoskeleton
- Direct-drive variable-speed ECM motor
- MaxAlloy™ coil
- Single piece with no external screws
- Foil faced insulation
- Thermoset drain pan
- 2% or less total airflow leakage rate
- 1" standard size filter
- Heat kits sold separately
- 208/230V

Note: AVC air handlers will be in the catalog while inventory last.

Order #	Mfg. #	Nom. Tons	Nom. CFM	Min. Circuit Amps	Amps @ 240V	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
L93-494	AVC24BX21	2	800	66.1	52	70	3/8"	3/4"	17-1/2"	41"	21-7/16"	93
L93-495	AVC30BX21	2-1/2	1,000	75.4	60	80	3/8"	3/4"	17-1/2"	47-1/2"	21-7/16"	119
L93-496	AVC36BX21	3	1,200	101.3	80	110	3/8"	3/4"	17-1/2"	47-1/2"	21-7/16"	118
L93-497	AVC36CX21	3	1,200	101.3	80	110	3/8"	3/4"	21"	51-1/2"	21-7/16"	120
L93-498	AVC42CX21	3-1/2	1,400	101.3	80	110	3/8"	7/8"	21"	51-1/2"	21-7/16"	144
L93-499	AVC48CX21	4	1,600	104.4	80	110	3/8"	7/8"	21"	51-1/2"	21-7/16"	158
L93-500	AVC48DX21	4	1,600	128.3	100	150	3/8"	7/8"	24-1/2"	55-1/2"	21-7/16"	163
L94-277	AVC60CX22	5	1,800	104.4	80	110	3/8"	7/8"	21"	55-3/4"	21-7/16"	156

Coleman HEATING AND AIR CONDITIONING



Single-Piece Air Handlers

JHVT Series, Variable-Speed, ECM, Factory Installed TXV

- Upflow, downflow and horizontal left or right
- Variable-speed ECM motor
- MaxAlloy™ coil
- Next generation even-flow distributor
- Next generation insulation and gasket design
- Thermoset drain pan
- 2% or less total airflow leakage rate
- 1" standard size filter
- 8HK heat kits sold separately
- 208/230V

Order #	Mfg. #	Nom. Tons	Nom. CFM	CFM @ 0.5" ESP	CFM High @ 0.3 ESP	Min. Circuit Amps	Amps @ 240V	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
L60-683	JHVTB18BBAC2N1	1-1/2	600	875	875	3.3	2.6	15	3/8"	3/4"	17-1/2"	47"	21-1/2"	103
L60-684	JHVTB24CBAC2N1	2	800	1,150	1,125	3.3	2.6	15	3/8"	3/4"	17-1/2"	49-5/8"	21-1/2"	109
L60-685	JHVTB36DBAC2N1	3	1,200	1,425	1,375	4.8	3.8	15	3/8"	3/4"	17-1/2"	49-5/8"	21-1/2"	110
L60-686	JHVTB36DBCC2N1	3	1,200	1,425	1,375	4.8	3.8	15	3/8"	3/4"	17-1/2"	49-5/8"	21-1/2"	110
L60-687	JHVTC36DBAC2N1	3	1,200	1,350	1,350	4.8	3.8	15	3/8"	3/4"	21"	51"	21-1/2"	126
L60-688	JHVTC36DBCC2N1	3	1,200	1,350	1,350	4.8	3.8	15	3/8"	3/4"	21"	51"	21-1/2"	126
L60-689	JHVTC42FBAC2N1	3-1/2	1,400	1,750	1,750	6.8	5.4	15	3/8"	7/8"	21"	56-3/4"	21-1/2"	137
L60-690	JHVTC42FBCC2N1	3-1/2	1,400	1,750	1,750	6.8	5.4	15	3/8"	7/8"	21"	56-3/4"	21-1/2"	137
L60-691	JHVTD42FBAC2N1	3-1/2	1,600	1,775	1,775	8.8	7.0	15	3/8"	7/8"	24-1/2"	57"	21-1/2"	143
L60-692	JHVTD42FBCC2N1	3-1/2	2,000	1,775	1,775	8.8	7.0	15	3/8"	7/8"	24-1/2"	57"	21-1/2"	157
L60-693	JHVTC48GBCC2N1	4	1,600	1,850	1,825	6.8	5.5	15	3/8"	7/8"	21"	61-1/4"	21-1/2"	145
L60-694	JHVTD48GBCC2N1	4	1,600	1,800	1,800	6.8	5.5	15	3/8"	7/8"	24-1/2"	61-1/4"	21-1/2"	145
L60-695	JHVTC60HBCC2N1	5	1,600	2,075	2,050	6.8	5.4	15	3/8"	7/8"	21"	63"	21-1/2"	154
L60-696	JHVTD60HBCC2N1	5	2,000	2,100	2,075	6.8	5.4	15	3/8"	7/8"	24-1/2"	63"	21-1/2"	162
L60-697	JHVTD60JBCC2N1	5	2,000	2,025	2,000	8.8	7.0	15	3/8"	7/8"	24-1/2"	61-1/4"	21-1/2"	166

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Single-Piece Air Handlers

AVV Series, Variable-Speed, ECM, Communicating

- Upflow, downflow and horizontal left or right
- Rigid case construction interior endoskeleton
- Variable-speed ECM motor
- MaxAlloy™ coil
- Factory installed Electronic Expansion Valve (EEV)
- Single piece cabinet with no external screws
- Foil faced insulation
- Thermoset drain pan
- 2% or less total airflow leakage rate
- 1" standard size filter
- 6HK heat kits sold separately
- 208/230V



Order #	Mfg. #	Nom. Tons	Nom. CFM	CFM @ 0.5" ESP	Min. Circuit Amps	Amps @ 240V	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
L93-867	AVV25BE121	2	780	1,225	5.6	52	15	3/8"	3/4"	17-1/2"	47-1/2"	21-7/16"	113
L93-868	AVV37CE221	3	1,200	1,425	5.6	80	15	3/8"	3/4"	21"	51-1/2"	21-7/16"	114
L93-869	AVV38CE221	3	1,200	1,430	5.6	80	15	3/8"	3/4"	21"	55-3/4"	21-7/16"	150
L93-917	AVV50CE321	5	1,600	1,650	8.8	80	15	3/8"	7/8"	21"	60"	21-7/16"	165
L93-872	AVV50DE321	4	1,600	1,650	8.8	100	15	3/8"	7/8"	24-1/2"	60"	21-7/16"	170
L93-874	AVV61DE421	5	1,800	1,825	8.8	100	15	3/8"	7/8"	24-1/2"	60"	21-7/16"	170

Single-Piece Air Handlers

AE Series, Standard, ECM, Multi-Position with Factory-Installed TXV

- Upflow, downflow, and horizontal left or right
- Rigid case construction interior endoskeleton
- Direct-drive standard ECM motor
- MaxAlloy™ coil
- Single piece with no external screws
- Foil faced insulation
- Thermoset drain pan
- 2% or less total airflow leakage rate
- 1" standard size filter
- 6HK heat kits sold separately
- 208/230V

Note: AE air handlers will be in the catalog while inventory last.



Order #	Mfg. #	Nom. Tons	Nom. kW	Nom. CFM	CFM @ 0.5" ESP	CFM High @ 0.3 ESP	Min. Circuit Amps	Amps @ 240V	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
Flex Coil															
L93-503	AE18BX21	1-1/2	9.6	600	1,023	1,074	52	40	60	3/8"	3/4"	17-1/2"	41"	21-7/16"	85
L93-504	AE24BX21	2	12.5	800	928	1,061	66.6	52	70	3/8"	3/4"	17-1/2"	41"	21-7/16"	87
L93-505	AE30BX21	2-1/2	14.4	1,000	1,007	1,000	75.9	60	80	3/8"	3/4"	17-1/2"	47-1/2"	21-7/16"	113
L93-506	AE36BX21	3	19.2	1,200	1,210	1,264	101.17	80	110	3/8"	3/4"	17-1/2"	47-1/2"	21-7/16"	113
L93-507	AE36CX21	3	19.2	1,200	1,133	1,496	101.17	80	110	3/8"	3/4"	21"	51-1/2"	21-7/16"	114
L93-508	AE42CX21	3-1/2	19.2	1,400	1,459	1,530	101.17	80	110	3/8"	7/8"	21"	51-1/2"	21-7/16"	136
L93-509	AE48CX21	4	19.2	1,600	1,611	1,685	104.2	80	110	3/8"	7/8"	21"	51-1/2"	21-7/16"	150
L93-510	AE48DX21	4	24.0	1,600	1,614	1,684	128.1	100	150	3/8"	7/8"	24-1/2"	55-1/2"	21-7/16"	153
L94-274	AE60CX22	5	19.2	1,800	1,823	1,897	104.2	80	110	3/8"	7/8"	21"	55-3/4"	21-7/16"	146
L93-512	AE60DX21	5	24.0	1,800	1,762	1,835	128.1	100	150	3/8"	7/8"	24-1/2"	55-1/2"	21-7/16"	170
Factory Installed TXV															
L93-850	AE18BBA21	1-1/2	9.6	600	1,023	1,074	52	40	60	3/8"	3/4"	17-1/2"	41"	21-7/16"	85
L93-851	AE24BBA21	2	12.5	800	928	1,061	66.6	52	70	3/8"	3/4"	17-1/2"	41"	21-7/16"	87
L95-832	AE30BBA21	2-1/2	14.4	1,000	928	1,061	75.2	60	80	3/8"	3/4"	17-1/2"	47-1/2"	21-7/16"	113
L93-852	AE30BBB21	2-1/2	14.4	1,000	1,007	1,000	75.2	60	80	3/8"	3/4"	17-1/2"	47-1/2"	21-7/16"	113
L95-833	AE36CBA21	3	19.2	1,200	1,133	1,496	100.8	80	110	3/8"	3/4"	21"	51-1/2"	21-7/16"	114
L95-834	AE42CBC21	3-1/2	19.2	1,400	1,459	1,530	100.8	80	110	3/8"	7/8"	21"	51-1/2"	21-7/16"	136
L93-755	AE42CBF21	3-1/2	19.2	1,400	1,459	1,530	100.8	80	110	3/8"	7/8"	21"	51-1/2"	21-7/16"	136
L93-854	AE48CBC21	4	19.2	1,600	1,611	1,685	103.2	80	110	3/8"	7/8"	21"	51-1/2"	21-7/16"	150
L93-756	AE48DBC21	4	24.0	1,600	1,614	1,684	103.2	100	150	3/8"	7/8"	24-1/2"	55-1/2"	21-7/16"	153
L94-273	AE60CBD22	5	19.2	1,800	1,823	1,897	103.2	80	110	3/8"	7/8"	21"	55-3/4"	21-7/16"	146
L95-836	AE60DBC21	5	24.0	1,800	1,762	1,835	127.1	100	150	3/8"	7/8"	24-1/2"	55-1/2"	21-7/16"	170
L93-757	AE60DBG21	5	24.0	1,800	1,762	1,835	127.1	100	150	3/8"	7/8"	24-1/2"	55-1/2"	21-7/16"	170

Single-Piece Air Handlers

JHET Series, Two-Stage, Standard, ECM, Multi-Position with Factory Installed TXV



- Upflow, downflow and horizontal left or right
- Standard ECM motor
- MaxAlloy™ coil
- Next generation even-flow distributor
- 2-stage operation
- Next generation insulation and gasket design
- Thermoset drain pan
- 2% or less total airflow leakage rate
- 1" standard size filter
- 8HK heat kits sold separately
- 208/230V

Order #	Mfg. #	Nom. Tons	Nom. CFM	CFM @ 0.5" ESP	CFM High @ 0.3 ESP	Min. Circuit Amps	Amps @ 240V	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
L60-669	JHETB18BBAS2N1	1-1/2	600	800	875	3.3	2.6	15	3/8"	3/4"	17-1/2"	47"	21-1/2"	101
L60-670	JHETB24CBAS2N1	2	800	975	1,075	3.3	2.6	15	3/8"	3/4"	17-1/2"	49-5/8"	21-1/2"	107
L60-671	JHETB30DBAS2N1	2-1/2	1,000	1,025	1,075	4.8	3.8	15	3/8"	3/4"	17-1/2"	49-5/8"	21-1/2"	108
L60-672	JHETB36DBAS2N1	3	1,200	1,425	1,450	4.8	3.8	15	3/8"	3/4"	17-1/2"	49-5/8"	21-1/2"	108
L60-673	JHETB36DBCS2N1	3	1,200	1,425	1,450	4.8	3.8	15	3/8"	3/4"	17-1/2"	49-5/8"	21-1/2"	108
L60-674	JHETC36DBAS2N1	3	1,200	1,450	1,525	4.8	3.8	15	3/8"	3/4"	21"	51"	21-1/2"	124
L60-675	JHETC36DBCS2N1	3	1,200	1,450	1,525	4.8	3.8	15	3/8"	3/4"	21"	51"	21-1/2"	124
L60-676	JHETC42FBAS2N1	3-1/2	1,400	1,375	1,450	4.8	3.8	15	3/8"	7/8"	21"	57"	21-1/2"	135
L60-677	JHETC42FBCS2N1	3-1/2	1,400	1,375	1,450	4.8	3.8	15	3/8"	7/8"	21"	57"	21-1/2"	135
L60-678	JHETC48GBCS2N1	4	1,600	1,800	1,875	6.8	5.4	15	3/8"	7/8"	21"	61-1/4"	21-1/2"	140
L60-680	JHETD48GBCS2N1	4	1,600	1,900	1,975	6.8	5.4	15	3/8"	7/8"	24-1/2"	61-1/4"	21-1/2"	152
L60-679	JHETC60HBCS2N1	5	2,000	1,825	1,875	6.8	5.4	15	3/8"	7/8"	21"	63"	21-1/2"	153
L60-681	JHETD60HBCS2N1	5	2,000	1,800	1,875	6.8	5.4	15	3/8"	7/8"	24-1/2"	63"	21-1/2"	158
L60-682	JHETD60JBCS2N1	5	2,000	2,000	2,050	6.8	5.4	15	3/8"	7/8"	24-1/2"	61-1/4"	21-1/2"	162

Modular Air Handlers

ME & MVC Series, Single-Phase, 208/230V



- Upflow, downflow, and horizontal left or right
- Rigid case construction interior endoskeleton
- Direct-drive standard ECM motor for ME models
- Direct-drive variable-speed ECM motor for MVC models
- MaxAlloy™ coil
- Single piece with no external screws
- Foil faced insulation
- Thermoset drain pan
- 2% or less total airflow leakage rate
- 1" standard size filter
- 6HK heat kits sold separately
- 208/230V

Note: ME & MVC air handlers will be in the catalog while inventory last.

Order #	Mfg. #	Nom. CFM	CFM @ 0.3" ESP (High/Medium/Low)	Volts	Max. Fuse Size	Width	Height	Depth	Wt. Lbs.
Standard ECM Air Handlers									
L93-529	ME12BN21	1,200	1,302/1,009/560	208/230	15	17-1/2"	21-1/2"	21-1/2"	51
L94-287	ME12CN21	1,200	1,291/968/511	208/230	16	21"	22-1/2"	21-1/2"	67
L93-530	ME14DN21	1,400	1,426/1,217/834	208/230	15	24-1/2"	22-1/2"	21-1/2"	74
L93-531	ME16CN21	1,600	1,516/1,217/834	208/230	15	21"	22-1/2"	21-1/2"	67
L93-532	ME20DN21	2,000	1,914/1,677/1,252	208/230	15	24-1/2"	22-1/2"	21-1/2"	74
Variable-Speed ECM Air Handlers									
L93-524	MVC12BN21	1,200	—	208/230	15	17-1/2"	21-1/2"	21-1/2"	51
L94-288	MVC12CN21	1,200	—	208/230	15	21"	21-1/2"	21-1/2"	67
L93-526	MVC16CN21	1,600	—	208/230	15	21"	22-1/2"	21-1/2"	67
L93-527	MVC20DN21	2,000	—	208/230	15	24-1/2"	22-1/2"	21-1/2"	74

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Single-Piece Air Handlers

NEW

JHE Series, Two-Stage, Standard, ECM, Multi-Position with Factory Installed TXV

- Upflow, downflow and horizontal left or right
- Rigid case construction interior endoskeleton
- Standard ECM
- 2-Stage
- MaxAlloyTM coil
- Single piece with no external screws
- Foil faced insulation
- Thermoset drain pan
- 2% or less total airflow leakage rate
- 8HK heat kits sold separately
- 208/230V



Order #	Mfg. #	Nom. Tons	Nom. CFM	CFM @ 0.5" ESP	CFM High @ 0.3 ESP	Min. Circuit Amps	Amps @ 240V	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
R-454B														
L62-540	JHE18B5AB2SS1	1-1/2	400	850	925	3.3	2.6	15	3/8"	3/4"	17-1/2"	45-5/8"	21-1/2"	98
L62-541	JHE24B5AC2SS1	2	800	1,025	1,100	3.3	2.6	15	3/8"	3/4"	17-1/2"	48-3/8"	21-1/2"	104
L62-542	JHE30B5AD2SS1	2-1/2	800	1,425	1,450	4.8	3.8	15	3/8"	3/4"	17-1/2"	52"	21-1/2"	105
L62-543	JHE36B5CD2SS1	3	1,200	1,400	1,450	4.8	3.8	15	3/8"	3/4"	17-1/2"	52"	21-1/2"	105
L62-544	JHE36C5AD2SS1	3	1,200	1,400	1,475	4.8	3.8	15	3/8"	3/4"	21"	53"	21-1/2"	121
L62-545	JHE36C5CD2SS1	3	1,200	1,400	1,475	4.8	3.8	15	3/8"	3/4"	21"	53"	21-1/2"	121
L62-546	JHE42C5CF2SS1	3-1/2	1,200	13,750	1,450	4.8	3.8	15	3/8"	7/8"	21"	59"	21-1/2"	132
L62-547	JHE48C5CG2SS1	4	1,200	1,825	1,875	6.8	5.4	15	3/8"	7/8"	21"	63"	21-1/2"	140
L62-548	JHE48D5CG2SS1	4	1,600	1,950	2,025	6.8	5.4	15	3/8"	7/8"	24-1/2"	63"	21-1/2"	152
L62-549	JHE60C5CH2SS1	5	1,600	1,825	1,875	6.8	5.4	15	3/8"	7/8"	21"	65"	21-1/2"	153
L62-550	JHE60D5CH2SS1	5	2,000	1,850	1,900	6.8	5.4	15	3/8"	7/8"	24-1/2"	65"	21-1/2"	158
L62-551	JHE60D5CJ2SS1	5	2,000	2,050	2,100	6.8	5.4	15	3/8"	7/8"	24-1/2"	63"	21-1/2"	162

Modular Air Handlers

JMET/JMVT & JME/JMC Series, Single-Phase, 208/230V

- Upflow, downflow and horizontal left or right
- Standard ECM motor for JMET/JME models
- Variable-speed for JMVT/JMC models
- Next generation insulation and gasket design
- Thermoset drain pan
- 2% or less total airflow leakage rate
- 1" standard size filter
- 8HK heat kits sold separately
- 208/230V



Order #	Mfg. #	Nom. CFM	Volts	Max. Fuse Size	Width	Height	Depth	Wt. Lbs.
Standard ECM Air Handlers								
L60-706	JMET08BS2N1	800	208/230	15	17-1/2"	22-3/4"	21-1/2"	54
L60-707	JMET12BS2N1	1,200	208/230	15	17-1/2"	22-3/4"	21-1/2"	56
L60-708	JMET12CS2N1	1200	208/230	15	21"	22-3/4"	21-1/2"	60
L60-709	JMET16CS2N1	1,600	208/230	15	21"	22-3/4"	21-1/2"	62
L60-710	JMET18DS2N1	1,800	208/230	15	24-1/2"	22-3/4"	21-1/2"	66
Variable-Speed ECM Air Handlers								
L60-715	JMVT12BC2N1	1,200	208/230	15	17-1/2"	22-3/4"	21-1/2"	56
L60-716	JMVT16CC2N1	1,600	208/230	15	21"	22-3/4"	21-1/2"	62
L60-717	JMVT17CC2N1	1,700	208/230	15	21"	22-3/4"	21-1/2"	65
L60-718	JMVT20DC2N1	2,000	208/230	15	24-1/2"	22-3/4"	21-1/2"	69

Modular Air Handlers

JMET Modular, ECM, 3-Phase, 460V

- Upflow, downflow and horizontal left or right
- Standard ECM motor
- 2-stage operation
- Next generation insulation and gasket design
- Thermoset drain pan
- 2% or less total airflow leakage rate
- 1" standard size filter
- 8HK heat kits sold separately
- 208/230V



Order #	Mfg. #	Nom. CFM	Volts	Max. Fuse Size	Width	Height	Depth	Wt. Lbs.
L60-711	JMET12BS4N1	1,200	460	15	17-1/2"	22-3/4"	21-1/2"	56
L60-712	JMET12CS4N1	1,200	460	15	21"	22-3/4"	21-1/2"	60
L60-713	JMET16CS4N1	1,600	460	15	21"	22-3/4"	21-1/2"	62
L60-714	JMET18DS4N1	1,800	460	15	24-1/2"	22-3/4"	21-1/2"	66

Modular Air Handlers

NEW

JME & JMC Series, Single-Phase, 208/230V

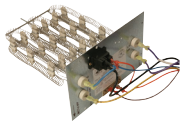


- Upflow, downflow and horizontal left or right
- Rigid case construction interior endoskeleton
- Standard ECM
- 2-Stage
- MaxAlloyTM coil
- Single piece with no external screws
- Foil faced insulation
- Thermoset drain pan
- 2% or less total airflow leakage rate
- 8HK heat kits sold separately
- 208/230V

Order #	Mfg. #	Nom. CFM	Volts	Width	Height	Depth	Wt. Lbs.
Standard ECM Air Handlers							
L62-552	JME08B2SN1	800	208/230	17-1/2"	22-3/4"	21-1/2"	54
L62-553	JME12B2SN1	1,200	208/230	17-1/2"	22-3/4"	21-1/2"	56
L62-554	JME12C2SN1	1,200	208/230	21"	22-3/4"	21-1/2"	60
L62-555	JME16C2SN1	1,600	208/230	21"	22-3/4"	21-1/2"	62
L62-556	JME18D2SN1	1,800	208/230	24-1/2"	22-3/4"	21-1/2"	66
Variable-Speed ECM Air Handlers							
L62-570	JMC12B2SN1	1,200	208/230	17-1/2"	22-3/4"	21-1/2"	54
L62-571	JMC16C2SN1	1,600	208/230	21"	22-3/4"	21-1/2"	56
L62-572	JMC17C2SN1	1,700	208/230	21"	22-3/4"	21-1/2"	60
L62-573	JMC20D2SN1	2,000	208/230	24-1/2"	22-3/4"	21-1/2"	62

Heat Kits

Single-Phase



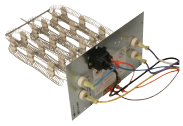
- For installation in Coleman AVC, AE, AP, MP, ME, MVC, AHR, AHE, AHV, AVC air handlers, PCE4/6, PHE4/6, PCG4/6, PHG4/6 Single-Phase Package A/C Units; Evcon RFCX*P2, RFCX*E2, RFCX*P & RFCX*E air handlers.

Order #	Mfg. #	Breaker	Nom. kW	Wt. Lbs.
L81-040	S1-6HK06500206	No	2.5	12
L81-041	S1-6HK06500506	No	5.0	12
L81-042	S1-6HK06500806	No	7.5	5
L81-043	S1-6HK06501006	No	10.0	12
L81-046	S1-6HK16500506	Yes	5.0	12
L81-047	S1-6HK16500806	Yes	7.5	12
L81-048	S1-6HK16501006	Yes	10.0	12
L81-049	S1-6HK16501306	Yes	13.0	12

Order #	Mfg. #	Breaker	Nom. kW	Wt. Lbs.
L81-050	S1-6HK16501506	Yes	15.0	12
L81-051	S1-6HK16501806	Yes	18.0	12
L81-052	S1-6HK16502006	Yes	20.0	12
L81-054	S1-6HK16502506	Yes	25.0	12
L81-087	S1-6HK26501506	Yes	15.0	12
L81-088	S1-6HK26501806	Yes	18.0	12
L81-089	S1-6HK26502006	Yes	20.0	12
L81-090	S1-6HK26502506	Yes	25.0	12

Heat Kits

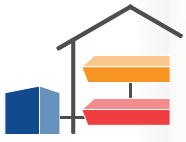
Three-Phase



- For installation in Coleman PCE4 & PHE4 3-phase packaged units; AHR, AHE & AHV air handlers

Order #	Mfg. #	Breaker	Nom. kW	Wt. Lbs.
L81-044	S1-6HK06501525	No	15.0	6

Order #	Mfg. #	Breaker	Nom. kW	Wt. Lbs.
L81-053	S1-6HK16502025	Yes	19.0	12



Mini-Split Selector

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Effortless indoor style selection and identification

Accurate
Single-zone or multi-zone system matches

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Standard Line Sets

- Designed for quick and easy installation of split system air conditioning systems
- Includes one length each of suction line and liquid line
- Purged with dry air, plugged for clean application
- Preinsulated suction line with 3 wall insulation choices
- Straight end design



Order #	Mfg. #	Wall Insulation	Liquid Line Size	Suction Line Size	Length
B75-235	61080250	3/8"	3/8"	5/8"	25'
B75-236	61080350	3/8"	3/8"	5/8"	35'
B75-237	61080500	3/8"	3/8"	5/8"	50'
B75-238	61280150	3/8"	3/8"	3/4"	15'
B75-284	61280200	3/8"	3/8"	3/4"	20'
B75-239	61280250	3/8"	3/8"	3/4"	25'
B75-285	61280300	3/8"	3/8"	3/4"	30'
B75-240	61280350	3/8"	3/8"	3/4"	35'
B75-286	61280400	3/8"	3/8"	3/4"	40'
B75-241	61280500	3/8"	3/8"	3/4"	50'
B75-287	61480150	3/8"	3/8"	7/8"	15'
B75-288	61480200	3/8"	3/8"	7/8"	20'
B75-242	61480250	3/8"	3/8"	7/8"	25'
B75-289	61480300	3/8"	3/8"	7/8"	30'
B75-243	61480350	3/8"	3/8"	7/8"	35'
B75-290	61480400	3/8"	3/8"	7/8"	40'
B75-244	61480500	3/8"	3/8"	7/8"	50'
B75-280	61880150	3/8"	3/8"	1-1/8"	15'
B75-281	61880200	3/8"	3/8"	1-1/8"	20'
B75-245	61880250	3/8"	3/8"	1-1/8"	25'
B75-282	61880300	3/8"	3/8"	1-1/8"	30'
B75-246	61880350	3/8"	3/8"	1-1/8"	35'
B75-283	61880400	3/8"	3/8"	1-1/8"	40'
B75-247	61880500	3/8"	3/8"	1-1/8"	50'
B75-249	81880500	3/8"	1/2"	1-1/8"	50'
B78-661	61020200	1/2"	3/8"	5/8"	20'
B75-250	61020250	1/2"	3/8"	5/8"	25'
B78-662	61020300	1/2"	3/8"	5/8"	30'
B75-251	61020350	1/2"	3/8"	5/8"	35'
B78-663	61020400	1/2"	3/8"	5/8"	40'
B75-252	61020500	1/2"	3/8"	5/8"	50'
B78-664	61020600	1/2"	3/8"	5/8"	60'
B75-253	61220150	1/2"	3/8"	3/4"	15'
B77-092	61220200	1/2"	3/8"	3/4"	20'
B75-254	61220250	1/2"	3/8"	3/4"	25'
B77-093	61220300	1/2"	3/8"	3/4"	30'
B75-255	61220350	1/2"	3/8"	3/4"	35'
B77-094	61220400	1/2"	3/8"	3/4"	40'
B75-256	61220500	1/2"	3/8"	3/4"	50'
B78-669	61220600	1/2"	3/8"	3/4"	60'
B77-095	61420150	1/2"	3/8"	7/8"	15'
B77-096	61420200	1/2"	3/8"	7/8"	20'
B75-257	61420250	1/2"	3/8"	7/8"	25'

Order #	Mfg. #	Wall Insulation	Liquid Line Size	Suction Line Size	Length
B77-097	61420300	1/2"	3/8"	7/8"	30'
B75-258	61420350	1/2"	3/8"	7/8"	35'
B77-098	61420400	1/2"	3/8"	7/8"	40'
B75-259	61420500	1/2"	3/8"	7/8"	50'
B78-674	61420600	1/2"	3/8"	7/8"	60'
B77-099	61820200	1/2"	3/8"	1-1/8"	20'
B75-260	61820250	1/2"	3/8"	1-1/8"	25'
B77-100	61820300	1/2"	3/8"	1-1/8"	30'
B75-261	61820350	1/2"	3/8"	1-1/8"	35'
B77-101	61820400	1/2"	3/8"	1-1/8"	40'
B75-262	61820500	1/2"	3/8"	1-1/8"	50'
B75-263	81820250	1/2"	1/2"	1-1/8"	25'
B75-264	81820500	1/2"	1/2"	1-1/8"	50'
B78-665	61030200	3/4"	3/8"	5/8"	20'
B75-265	61030250	3/4"	3/8"	5/8"	25'
B78-666	61030300	3/4"	3/8"	5/8"	30'
B75-266	61030350	3/4"	3/8"	5/8"	35'
B78-667	61030400	3/4"	3/8"	5/8"	40'
B75-267	61030500	3/4"	3/8"	5/8"	50'
B78-668	61030600	3/4"	3/8"	5/8"	60'
B75-268	61230150	3/4"	3/8"	3/4"	15'
B78-670	61230200	3/4"	3/8"	3/4"	20'
B75-269	61230250	3/4"	3/8"	3/4"	25'
B78-671	61230300	3/4"	3/8"	3/4"	30'
B75-270	61230350	3/4"	3/8"	3/4"	35'
B78-672	61230400	3/4"	3/8"	3/4"	40'
B75-271	61230500	3/4"	3/8"	3/4"	50'
B78-673	61230600	3/4"	3/8"	3/4"	60'
B78-675	61430200	3/4"	3/8"	7/8"	20'
B75-272	61430250	3/4"	3/8"	7/8"	25'
B78-676	61430300	3/4"	3/8"	7/8"	30'
B75-273	61430350	3/4"	3/8"	7/8"	35'
B78-677	61430400	3/4"	3/8"	7/8"	40'
B75-274	61430500	3/4"	3/8"	7/8"	50'
B78-678	61430600	3/4"	3/8"	7/8"	60'
B75-275	61830250	3/4"	3/8"	1-1/8"	25'
B78-680	61830300	3/4"	3/8"	1-1/8"	30'
B75-276	61830350	3/4"	3/8"	1-1/8"	35'
B78-681	61830400	3/4"	3/8"	1-1/8"	40'
B75-277	61830500	3/4"	3/8"	1-1/8"	50'
B75-278	81830250	3/4"	1/2"	1-1/8"	25'
B75-279	81830500	3/4"	1/2"	1-1/8"	50'



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SOURCE 1 HVAC Service Parts



Drain Pans

Order #	Mfg. #	Description
B82-073	S1-03200172001	"A" Coil, 18" Cabinet
B82-075	S1-6324-5101	Drain Pan
B93-781	S1-03200173001	"A" Coil, 21-1/2" Cabinet
B93-782	S1-03200170001	"A" Coil, 24" Cabinet
B93-783	S1-36387677000	Drain Pan

Coleman HEATING AND AIR CONDITIONING



Horizontal Drain Pans

- Fits Coleman F series air handlers and cased coils for horizontal applications
- Made of durable, high impact plastic with 3/4" drain outlet

Order #	Mfg. #	Description	Width	Height	Length	Wt. Lbs.
B81-853	S1-03200175001	1HP0623B	23"	3"	19"	1.5
B81-854	S1-03200176001	1HP0628B	21"	1"	25"	4.0

Coleman HEATING AND AIR CONDITIONING



Bullet Orifices

- Meters flow of refrigerant with checking action
- U or H series coils will not accept these orifices

Note: Coils and air handlers come with orifice installed; when orifice must be changed, the replacement is shipped with outdoor unit.

Order #	Mfg. #	Description
B12-980	S1-02919387009	0.057
B12-981	S1-02919387003	0.061
B12-982	S1-02919387015	0.063
B12-983	S1-02919387011	0.065
B12-984	S1-02919387016	0.067
B12-985	S1-02919387029	0.071

Order #	Mfg. #	Description
B12-986	S1-02919387017	0.075
B12-987	S1-02919387006	0.078
B12-988	S1-02919387019	0.084
B12-989	S1-02919387007	0.087
B12-990	S1-02919387013	0.090
B12-994	S1-02919387021	0.051

Order #	Mfg. #	Description
B12-995	S1-02919387002	0.053
B12-996	S1-02919387010	0.059
B12-997	S1-02919387005	0.073
B12-998	S1-02919387012	0.081

SOURCE 1 HVAC Service Parts



Thermostat

- To be used with the Coleman Echelon units

Order #	Mfg. #	System Application	Stages Heat/Cool	Terminal Designations	Color	System Switching	Dimensions L x W x H	Description	Wt. Lbs.
L45-561	S1-THEC11P5S	HP (No Aux Heat)	1H/1C	C, RH, Y, W, G, RC, O/B	White	Auto/Manual	5.85" x 1.15" x 3.67"	7-Day Programmable Thermostat	1.02

SOURCE 1 HVAC Service Parts



Powered Humidifier

- Manual humidistat is included
- Mounts easily on the warm or return plenum
- Heated air from the furnace passes through a water-soaked pad where it absorbs additional moisture and then returns for distribution throughout the home
- Water is metered across the patented KineticFlo® trough
- Unevaporated water drains from the bottom of the unit to eliminate mineral build-up
- 5-year limited warranty

Order #	Mfg. #	Volts	Output	Width	Height	Depth
B83-022	S1-FP7000MT	120	18 Lbs./Hr.	16-1/4"	10-1/2"	18-1/2"

SOURCE 1 HVAC Service Parts



Premium Echelon Humidifier

- Manual humidistat is included
- Mounts easily on the warm or return plenum
- Quick left-right bypass conversion; reversible housing, nameplate and drain spud/plug
- Integral bypass damper with winter/summer notation
- Built-in fan provides air movement through the water panel
- 5-year limited warranty

Order #	Mfg. #	Description
B84-478	S1-BP6000MT	Large Bypass Humidifier w/Manual Control

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Accessories for Humidifiers

SOURCE 1 HVAC Service Parts

- For use with the Premium Echelon and drainless bypass humidifiers

Order #	Mfg. #	Description	For Use With
B84-491	S1-HUPAD10	Humidifier Water Panel	B84-477
B84-492	S1-HUPAD35	Humidifier Water Panel	B84-478

Cartridge Media Air Cleaner

SOURCE 1 HVAC Service Parts

- Rated airflow is 600–2,000 CFM
- Resistance: 0.14" w.c. @ 1,200 CFM, or 0.29" w.c. @ 2,000 CFM
- MERV 10 rating



Order #	Mfg. #	Description	Dimensions W x H x D
B84-499	S1-TM11PAC20202	20 x 20 x 5 Cartridge Media Air Cleaner	20" x 20" x 5"

Replacement Media Filters

SOURCE 1 HVAC Service Parts



A



B

Fig.	Order #	Mfg. #	Description	Dimensions W x H x D
A	**B84-483**	S1-KF-102-718-210	Replacement MERV10 Cartridge	16" x 5" x 25"
B	**B84-484**	S1-KF-102-718-201	Replacement MERV10 Cartridge	20" x 5" x 25"
—	**B84-485**	S1-FM201	High Efficiency Replacement Media Filter	6" x 4" x 25"
—	**B84-486**	S1-FM401	High Efficiency Replacement Media Filter	6" x 4" x 28"
—	**B84-487**	S1-FM501	Replacement Media Filter	6" x 3" x 28"

High Efficiency Echelon Media Air Cleaners

SOURCE 1 HVAC Service Parts

- Collapsible media with automatic pleat spacing installs in seconds
- Narrow 6.75" cabinet for easier installation and more flexible applications
- SelSeal™ reduces air bypass, improving filtering performance
- Recommended air flow is up to 2,000 CFM
- Five-year limited warranty
- Filter life — one to two years



Order #	Mfg. #	Description	MERV Rating
B85-754	S1-TM13PAC20252	20x25 Echelon Media Air Cleaner	MERV 13
L81-489	S1-TM11PAC16252	16x25 Echelon Media Air Cleaner	MERV 11
L81-490	S1-TM11PAC20252	20x25 Echelon Media Air Cleaner	MERV 11

MERV 10, 11, and 13 Media Replacements for Echelon Media Air Cleaners

SOURCE 1 HVAC Service Parts

- To be used with MERV 10, 11, and 13 Echelon Media Air Cleaners



Order #	Mfg. #	Description	MERV Rating	Dimensions W x H x D
B85-757	S1-AA413	MERV 13 Media Replacement for B85-753 Echelon Air Cleaner	MERV 13	4" x 4" x 29"
B85-758	S1-AA213	MERV 13 Media Replacement for B85-754 Echelon Air Cleaner	MERV 13	4" x 4" x 27"
B85-759	S1-AA411	MERV 10 Media Replacement for B85-755 Echelon Air Cleaner	MERV 10	4" x 4" x 29"
B85-760	S1-AA211	MERV 10 Media Replacement for B85-756 Echelon Air Cleaner	MERV 10	4" x 4" x 27"
B86-220	S1-FM410	MEDIA MERV 11 For TM11PAC16252	MERV 11	5" x 4" x 30"
B86-221	S1-FM310	MEDIA MERV 11 For TM11PAC20202	MERV 11	5" x 5" x 22"
B86-222	S1-FM210	MEDIA MERV 11 For TM11PAC20252	MERV 11	5" x 5" x 27"
B86-223	S1-FM413	MEDIA MERV 13 For TM13PAC16252	MERV 13	5" x 4" x 30"
B86-224	S1-FM313	MEDIA MERV 13 For TM13PAC20202	MERV 13	5" x 5" x 22"
B86-225	S1-FM213	MEDIA MERV 13 For TM13PAC20252	MERV 13	5" x 5" x 27"

Replacement Cartridge



Order #	Mfg. #	Description
B85-607	S1-KF-102-718-203	Replacement Media Cartridge, MERV 10, 20x20x5 (M6)

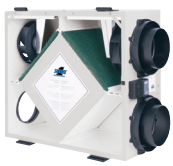
Premium Hybrid Electronic Air Cleaner



- Rated airflow is 600–2,000 CFM
- Resistance: 0.14" w.c. @ 1,200 CFM, or 0.29" w.c. @ 2,000 CFM
- Supports a 400 lbs. furnace or air handler
- 80% efficient on virus-size particles 1,000 times smaller than you can see
- 94% efficient on respirable dust
- 1-year service life

Order #	Mfg. #	Description
B84-489	S1-HEAC3000T	Premium Electronic Hybrid Air Cleaner

Heat Recovery Ventilation System



- Two operating modes: intermittent and continuous ventilation
- Variable-speed
- Proportional defrost
- ISF TM 6" (diam.) collar system — enables you to manipulate duct within your reach and then insert the collar to HRV by sliding it in place
- 5-year limited warranty on ventilation motors; 5-year limited warranty on the enthalpy/heat recovery core; five-year limited warranty on all other components

Order #	Mfg. #	CFM	Length	Width	Height	Volts	Amps
X91-216	S1-HRV160	30 to 160	27"	12"	23"	120	1.5

Sensing Relay



- To be used with the Coleman IAQ products

Order #	Mfg. #	Description
B17-147	S1-HEACRELAY120V	120V CRT Sensing Relay

Replacement Lamp



Order #	Mfg. #	Description
L44-867	S1-UVLAMP36120	Replacement Lamp for UV36120 Air Purifier

UVC Germicidal Kits



- Designed to provide maximum dosage of UVC energy at 45–55°F in a rapidly moving airstream
- The mixture of gases creates a bulb which does not produce UV with wavelengths of less than 200 nanometers
- UVC germicidal light does not contribute to ozone production
- 5-year warranty

Order #	Mfg. #	Description
B84-481	S1-CUVCS120	Single Light W 120V

Order #	Mfg. #	Description
B84-482	S1-CUVCS220	Single Light W 230V

UV Replacement Bulb



- Designed to work with the germicidal kits: **B84-481**, **B84-482**, **B84-479** and **B84-480**
- 1-year warranty

Order #	Mfg. #	Description
B84-495	S1-LAPS120A	UVC Replacement Light Bulb w/Power Supply 120V

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Single Packaged Heat Pumps

PHE, LX Series, 14 SEER, Single-Phase, 2 To 5 Ton, R410A

- High pressure switch
- Standard ECM indoor fan motor
- Top discharge condenser air design
- Full perimeter, removable base rails
- Slide-out blower assembly
- Easily field convertible from side to bottom discharge
- Stamped slotted coil guard to provide impact protection against small objects
- Grooved copper tubes with enhanced aluminum fin; indoor coils use tin-coated copper tubing with aluminum fins
- Internal compressor protection (temperature and pressure)
- Convertible airflow design
- Field installed electric heaters available
- 208/230V



Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	HSPF	COP	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
B64-158	PHE4A2424	2	25,000	23,600	8.0	3.7	780	18.6	35-3/4"	44"	51-1/4"	330
B64-159	PHE4A3024	2-1/2	29,600	28,200	8.0	3.7	950	20.5	35-3/4"	45"	51-1/4"	355
B64-160	PHE4B3624	3	35,800	34,800	8.0	3.6	1,150	23.9	45-3/4"	47"	51-1/4"	420
B64-161	PHE4B4224	3-1/2	42,000	39,000	8.0	3.6	1,350	27.0	45-3/4"	47"	51-1/4"	436
B64-162	PHE4B4824	4	48,000	46,500	8.0	3.7	1,500	30.0	45-3/4"	53"	51-1/4"	479
B64-163	PHE4B6024	5	59,500	56,500	8.0	3.6	1,850	36.5	45-3/4"	55"	51-1/4"	485

Single Packaged Air Conditioners

PCE, LX Series, 14 & 16 SEER, Single-Phase, 2 To 5 Ton, R410A

- Full perimeter base rail
- Top discharge
- Condenser coil grille
- Protected compressor against high pressure and temperature
- High pressure switch
- Standard ECM fan motor
- Convertible airflow design
- Aluminum fin construction and grooved copper tubes
- Low operating sound level
- Condensate drain pan
- 6HK heat kits sold separately
- 208/230V



Order #	Mfg. #	Nom. Tons	BtuH Cooling	Nom. CFM	Min. Circuit Amps	Max. Fuse Size	Width	Height	Depth	Wt. Lbs.
14 SEER										
B64-142	PCE4A2424	2	23,600	775	18.1	25	35-3/4"	44"	51-1/4"	307
B64-143	PCE4A3024	2-1/2	29,200	970	20.0	30	35-3/4"	45"	51-1/4"	343
B64-144	PCE4A3624	3	35,800	1,165	23.9	35	35-3/4"	47"	51-1/4"	350
B64-145	PCE4A4224	3-1/2	41,500	1,350	27.0	40	35-3/4"	47"	51-1/4"	369
B64-146	PCE4B4824	4	48,000	1,560	30.0	45	45-3/4"	47"	51-1/4"	431
B64-147	PCE4B6024	5	56,500	1,810	36.5	50	45-3/4"	50"	51-1/4"	450
16 SEER										
B64-148	PCE6A2424	2	24,000	750	17.3	25	35-3/4"	44"	51-1/4"	343
B64-149	PCE6A3624	3	36,000	1,275	23.2	35	35-3/4"	47"	51-1/4"	461
B64-150	PCE6B4824	4	46,000	1,550	28.4	45	45-3/4"	47"	51-1/4"	483
B64-151	PCE6B6024	5	59,000	1,825	38.0	60	45-3/4"	50"	51-1/4"	500

Single Packaged Gas/Heat Air Conditioners

PCG4, LX Series, 14 SEER, Single-Phase, 2 To 5 Ton, R410A, 81% AFUE

- Full perimeter base rail
- Top discharge
- Stamped slotted coil grille
- Protected compressor
- High pressure switch
- Spark to burner ignition
- Multi-port in-shot burner
- Post-purge induced draft combustion
- Low operating sound level
- 208/230V



Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	BtuH Heating Output	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
B64-189	PCG4A240502X4	2	23,600	50,000	40,000	775	16.9	35-3/4"	44"	51-1/4"	316
B64-190	PCG4A240752X4	2	23,600	75,000	60,000	775	18.1	35-3/4"	44"	51-1/4"	336
B64-191	PCG4A300502X4	2-1/2	29,200	50,000	40,000	970	18.8	35-3/4"	45"	51-1/4"	352
B64-192	PCG4A300752X4	2-1/2	29,200	75,000	60,000	970	20.0	35-3/4"	45"	51-1/4"	372
B64-193	PCG4A360502X4	3	35,800	50,000	40,000	1,165	23.9	35-3/4"	47"	51-1/4"	359
B64-194	PCG4A360752X4	3	35,800	75,000	60,000	1,165	23.9	35-3/4"	47"	51-1/4"	379
B64-195	PCG4A361002X4	3	35,800	100,000	80,000	1,165	25.5	35-3/4"	47"	51-1/4"	383
B64-196	PCG4A420752X4	3-1/2	41,500	75,000	60,000	1,350	27.0	35-3/4"	47"	51-1/4"	398
B64-197	PCG4A421002X4	3-1/2	41,500	100,000	80,000	1,350	27.0	35-3/4"	47"	51-1/4"	402
B64-198	PCG4B480652X4	4	48,000	65,000	52,000	1,560	30.0	35-3/4"	47"	51-1/4"	450
B64-199	PCG4B481002X4	4	48,000	100,000	80,000	1,560	30.0	35-3/4"	47"	51-1/4"	456
B64-200	PCG4B481252X4	4	48,000	125,000	100,000	1,560	30.0	35-3/4"	47"	51-1/4"	460
B64-201	PCG4B600652X4	5	56,500	65,000	52,000	1,810	36.5	35-3/4"	50"	51-1/4"	469
B64-202	PCG4B601002X4	5	56,500	100,000	80,000	1,810	36.5	35-3/4"	50"	51-1/4"	475
B64-203	PCG4B601252X4	5	56,500	125,000	100,000	1,810	36.5	35-3/4"	50"	51-1/4"	479

Single Packaged Gas/Heat Air Conditioners

PCG4, LX Series, 13.4 SEER2, Single-Phase, 2 To 5 Ton, R410A, 81% AFUE, Ultra LoNOx



- Full perimeter base rail
- Top discharge
- Stamped slotted coil grille
- Protected compressor
- High pressure switch
- Spark to burner ignition
- Post-purge induced draft combustion
- Stainless steel heat exchanger
- Low operating sound level
- Multi port in-shot burners
- 208/230V

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	BtuH Heating Output	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
B63-655	PCG4A240502L1	2	23,000	50,000	41,000	775	16.9	35-3/4"	44"	51-1/4"	341
B63-656	PCG4A360502L1	3	34,800	50,000	41,000	1,175	23.9	35-3/4"	47"	51-1/4"	349
B63-657	PCG4B480652L1	4	46,500	65,000	53,000	1,575	30.0	45-3/4"	47"	51-1/4"	460
B63-658	PCG4B600652L1	5	56,000	65,000	53,000	1,825	36.5	45-3/4"	50"	51-1/4"	477

Single Packaged Gas/Heat Air Conditioners

PCG6, LX Series, 16 SEER, Single-Phase, 2 To 5 Ton, R410A, 81% AFUE



- Full perimeter base rail
- Top discharge
- Stamped slotted coil grille
- Protected compressor
- High pressure switch
- Spark to burn ignition
- Post purge induced draft combustion
- Multi-port in-shot burner
- Stainless steel heat exchanger
- Low operating sound level
- 208/230V

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	BtuH Heating Output	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
B64-224	PCG6A240502X4	2	24,000	50,000	40,000	750	16.1	35-3/4"	44"	51-1/4"	372
B64-225	PCG6A240752X4	2	24,000	75,000	60,000	750	16.1	35-3/4"	44"	51-1/4"	382
B64-226	PCG6A360752X4	3	35,800	75,000	60,000	1,200	23.2	35-3/4"	47"	51-1/4"	466
B64-227	PCG6B480652X4	4	46,000	65,000	52,000	1,550	28.4	45-3/4"	47"	51-1/4"	520
B64-228	PCG6B481002X4	4	46,000	100,000	80,000	1,550	28.4	45-3/4"	47"	51-1/4"	528
B64-229	PCG6B481252X4	4	46,000	125,000	101,000	1,550	28.4	45-3/4"	47"	51-1/4"	533
B64-230	PCG6B600652X4	5	59,000	65,000	52,000	1,825	38.0	45-3/4"	50"	51-1/4"	537
B64-231	PCG6B601002X4	5	59,000	100,000	80,000	1,825	38.0	45-3/4"	50"	51-1/4"	541
B64-232	PCG6B601252X4	5	59,000	125,000	101,000	1,825	38.0	45-3/4"	50"	51-1/4"	548

Single Packaged Air Conditioners

PCE4, LX Series, 14 SEER, Three-Phase, 3 To 5 Ton, R410A



- High pressure switch
- ECM fan motor
- Aluminum fin construction and grooved copper tubes
- Simple control circuit
- Top discharge
- 1" washable filter
- Stamped slotted coil guard
- Protected compressor against high pressure and temperature
- Full perimeter removable base rails
- Low operating sound level
- Condensate drain pan
- Convertible airflow design
- Electric heat kits sold separately
- 208/230V

Order #	Mfg. #	Nom. Tons	BtuH Cooling	EER	Nom. CFM	Min. Circuit Amps	Max. Fuse Size	Width	Height	Depth	Wt. Lbs.
208/230V											
B64-152	PCE4A3634	3	35,800	11.8	1,165	16.1	20	35-3/4"	47"	51-1/4"	350
B64-153	PCE4B4834	4	48,000	11.2	1,560	20.2	30	45-3/4"	47"	51-1/4"	431
B64-154	PCE4B6034	5	56,500	11.2	1,810	25.2	35	45-3/4"	50"	51-1/4"	450
460V											
B64-155	PCE4A3644	3	35,800	11.8	1165	7.6	15	35-3/4"	47"	51-1/4"	350
B64-156	PCE4B4844	4	48,000	11.2	1560	11.5	15	45-3/4"	47"	51-1/4"	431

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Single Packaged Gas/Heat Air Conditioners

PCG4, LX Series, 14 SEER, Three-Phase, 3 To 5 Ton, R410A, 81% AFUE

- Full perimeter base rail
- Top discharge
- Condenser coil grille
- Protected compressor
- High pressure switch
- Spark to burn ignition
- Post purge induced draft combustion
- Multi-port in-shot burner
- Low operating sound level



Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	BtuH Heating Output	EER	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
208/230V												
B64-204	PCG4A360503X4	3	35,800	50,000	40,000	11.8	1,165	16.1	35-3/4"	47"	51-1/4"	359
B64-205	PCG4A360753X4	3	35,800	75,000	60,000	11.8	1,165	16.1	35-3/4"	47"	51-1/4"	379
B64-206	PCG4A361003X4	3	35,800	100,000	80,000	11.8	1,165	17.7	35-3/4"	47"	51-1/4"	383
B64-207	PCG4A420753X4	3-1/2	41,500	75,000	60,000	11.2	1,350	20.4	35-3/4"	47"	51-1/4"	398
B64-208	PCG4A421003X4	3-1/2	41,500	100,000	80,000	11.2	1,350	20.4	35-3/4"	47"	51-1/4"	402
B64-209	PCG4B480653X4	4	48,000	65,000	52,000	11.2	1,560	20.2	45-3/4"	47"	51-1/4"	450
B64-210	PCG4B481003X4	4	48,000	100,000	80,000	11.2	1,560	20.2	45-3/4"	47"	51-1/4"	456
B64-211	PCG4B481253X4	4	48,000	125,000	100,000	11.2	1,560	20.2	45-3/4"	47"	51-1/4"	460
B64-212	PCG4B600653X4	5	56,500	65,000	52,000	11.2	1,810	25.2	45-3/4"	50"	51-1/4"	469
B64-213	PCG4B601003X4	5	56,500	100,000	80,000	11.2	1,810	25.2	45-3/4"	50"	51-1/4"	475
B64-214	PCG4B601253X4	5	56,500	125,000	100,000	11.2	1,810	25.2	45-3/4"	50"	51-1/4"	479
460V												
B64-215	PCG4A360504X4	3	35,800	50,000	40,000	11.8	1,165	7.6	35-3/4"	47"	51-1/4"	359
B64-216	PCG4A360754X4	3	35,800	75,000	60,000	11.8	1,165	7.6	35-3/4"	47"	51-1/4"	379
B64-217	PCG4A361004X4	3	35,800	100,000	80,000	11.8	1,165	8.8	35-3/4"	47"	51-1/4"	383
B64-218	PCG4B480654X4	4	48,000	65,000	52,000	11.2	1,560	11.5	45-3/4"	47"	51-1/4"	450
B64-219	PCG4B481004X4	4	48,000	100,000	80,000	11.2	1,560	11.5	45-3/4"	47"	51-1/4"	456
B64-220	PCG4B481254X4	4	48,000	125,000	100,000	11.2	1,560	11.5	45-3/4"	47"	51-1/4"	460
B64-221	PCG4B600654X4	5	56,500	65,000	52,000	11.2	1,810	12.0	45-3/4"	50"	51-1/4"	469
B64-222	PCG4B601004X4	5	56,500	100,000	80,000	11.2	1,810	12.0	45-3/4"	50"	51-1/4"	475
B64-223	PCG4B601254X4	5	56,500	125,000	100,000	11.2	1,810	12.0	45-3/4"	50"	51-1/4"	479

Single Packaged Gas/Heat Air Conditioners

PCG4, LX Series, 14 SEER, Three-Phase, 3 To 5 Ton, R410A, 81% AFUE, LoNOx

- Full perimeter base rail
- Top discharge
- Stamped slotted coil grille
- Protected compressor
- High pressure switch
- Spark to burner ignition
- Post-purge induced draft combustion
- Stainless steel heat exchanger
- Low operating sound level



Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	BtuH Heating Output	EER	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
208/230V												
B63-659	PCG4A360503L1	3	36,400	50,000	41,000	11.2	1,200	15.7	35-3/4"	47"	51-1/4"	349
B63-660	PCG4B480653L1	4	45,500	65,000	53,000	11.2	1,600	20.1	45-3/4	47"	51-1/4"	460
B63-661	PCG4B600653L1	5	55,000	65,000	53,000	11.2	2,000	25.2	45-3/4	50"	51-1/4"	477
460V												
B63-662	PCG4A360504L1	3	36,400	50,000	41,000	11.2	1,200	7.5	35-3/4"	47"	51-1/4"	349
B63-663	PCG4B480654L1	4	45,500	65,000	53,000	11.2	1,600	11.5	45-3/4	47"	51-1/4"	460
B63-664	PCG4B600654L1	5	55,000	65,000	53,000	11.2	2,000	11.9	45-3/4	50"	51-1/4"	477



Single Packaged Gas/Heat Air Conditioners

PCG6, LX Series, 16 SEER, Three-Phase, 3 To 5 Ton, R410A, 81% AFUE



- Full perimeter base rail
- Top discharge
- Stamped slotted coil grille
- Protected compressor
- High pressure switch
- Spark to burn ignition
- Post purge induced draft combustion
- Multi-port in-shot burner
- Stainless steel heat exchanger
- Low operating sound level

Order #	Mfg. #	Nom. Tons	BtuH Cooling	BtuH Heating Input	BtuH Heating Output	EER	Nom. CFM	Min. Circuit Amps	Width	Height	Depth	Wt. Lbs.
208/230V												
B64-233	PCG6A360753X4	3	36,000	75,000	60,000	12.5	1,275	16.6	35-3/4"	47"	51-1/4"	466
B64-234	PCG6B480653X4	4	46,000	65,000	52,000	12.0	1,550	21.8	45-3/4"	47"	51-1/4"	520
B64-235	PCG6B481003X4	4	46,000	100,000	81,000	12.0	1,550	21.8	45-3/4"	47"	51-1/4"	528
B64-236	PCG6B600653X4	5	59,000	65,000	52,000	12.0	1,825	26.2	45-3/4"	50"	51-1/4"	537
B64-237	PCG6B601003X4	5	59,000	100,000	81,000	12.0	1,825	26.2	45-3/4"	50"	51-1/4"	541
460V												
B64-238	PCG6A360754X4	3	36,000	75,000	60,000	12.5	1,275	7.7	35-3/4"	47"	51-1/4"	466
B64-239	PCG6B481004X4	4	46,000	100,000	81,000	12.0	1,550	11.3	45-3/4"	47"	51-1/4"	528
B64-240	PCG6B481254X4	4	46,000	125,000	101,000	12.0	1,550	11.3	45-3/4"	47"	51-1/4"	533
B64-241	PCG6B601004X4	5	59,000	100,000	81,000	12.0	1,825	12.3	45-3/4"	50"	51-1/4"	541

Air Conditioning Condensing Units

TCD, LX Series, 13 SEER, Three-Phase, 2-1/2 to 5 Ton, R410A



- Aluminum microchannel tubing coil and enhanced aluminum fins
- Factory installed filter-drier
- Lower operating sound level
- Top discharge of warm air
- Stamped steel coil guard
- Low maintenance due to long life of motor-bearings
- Secured service valves
- Easy service access
- Compressors are protected against high pressure and temperature
- 2-1/2, 3 & 3-1/2 Ton units have Copeland compressors

Order #	Mfg. #	Nom. Tons	Min. Circuit Amps	Max. Fuse Size	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
208/230V										
B61-258	TCD36B32S	3	14.34	20	3/8"	3/4"	29-1/4"	36-1/4"	29-1/4"	160
B79-354	TCD48B31S	4	18.4	30	3/8"	7/8"	35-1/4"	33-1/4"	31-3/4"	200
B79-356	TCD60B31S	5	21.2	35	3/8"	1-1/8"	38"	36-1/4"	34-1/4"	205
460V										
B61-257	TCD30B42S	2-1/2	5.67	15	3/8"	3/4"	29-1/4"	30"	29-1/4"	140
B79-355	TCD48B41S	4	8.4	15	3/8"	7/8"	31-3/4"	33-1/4"	31-3/4"	200
B79-357	TCD60B41S	5	10.3	15	3/8"	1-1/8"	34-1/4"	36-1/4"	34-1/4"	205



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Roof Curb Adapters

Custom Curbs

- One piece construction; requires zero field assembly
- No flat spots eliminating standing water
- Galvanized materials with steel coating
- All internal seams are covered with aluminum foil tape to prevent air leaks
- Crane ready lifting lugs



Order #	Mfg. #	Description	For Use With	Wt. Lbs.
X92-921	1-4000-5005	Roof Curb Adapter	Roof Curb 3 To 6T Carrier To Coleman Apex (Carrier models: 48/50 TJ/HJ/GJ/LJ/QJ/HM 004-007 & 580 D 036-072)	190
X92-922	1-4510-5100	Roof Curb Adapter	Roof Curb 3 To 6T Carrier To Coleman Point Core (Carrier models: 48 HDT/LDT 004-006 & 48 HD/LD 007 & 579 D 036-060)	150
X92-923	1-4005-5035	Roof Curb Adapter	Roof Curb 6-1/2 To 12-1/2T Carrier To Coleman Point Pro (Carrier models: 48/50 TJ/HJ/GJ 008-014 & 580 D 090-150)	231
X92-924	1-4010-5035	Roof Curb Adapter	Roof Curb 7-1/2 To 12-1/2T Carrier To Coleman Point Pro (Carrier models: 48/50 TJ 016-028 & 48/50 DP/DR -12-020 & 48/50HJ 015/017/025 & 559F 180-300 &559/579E 180-240 &559/579D 120-180 & 542F 120-180 & 579D/E216 & 581A 155,180,240,270)	247
X92-925	1-4010-5105	Roof Curb Adapter	Roof Curb 7-1/2 To 12-1/2T Carrier To Coleman Point Core 48/50 (Carrier models: TJ 016-028 & 48/50 DP/DR -12-020 & 48/50HJ 015/017/025 & 559F 180-300 &559/579E 180-240 &559/579D 120-180 & 542F 120-180 & 579D/E216 & 581A 155,180,240,270)	127
X92-926	1-3025-8000	Roof Curb Adapter	Roof Curb 3 To 5T Trane To Coleman Echelon (Trane models: YCC 018-036 F)	192
X92-927	1-3000-5005	Roof Curb Adapter	Roof Curb 3 To 6T Trane To Coleman Apex (Trane models: YCD/TCD 3, 5 TONS)	150
X92-928	1-3000-5100	Roof Curb Adapter	Roof Curb 3 To 6T Trane To Coleman Point Core (Trane models: YCD/TCD 3, 5 TONS)	219
X92-929	1-3005-5035	Roof Curb Adapter	Roof Curb 6-1/2 To 12-1/2T Trane To ColemanPoint Pro (Trane models: YCD/TCD 6, 7.5, 8.5, 10 C TONS)	182
X92-930	1-3005-5105	Roof Curb Adapter	Roof Curb 7-1/2 To 12-1/2T Trane To Coleman Point Core (Trane models: YCD/TCD 6, 7.5, 8.5, 10 C TONS)	247
X92-931	1-5010-5100	Roof Curb Adapter	Roof Curb 3 To 6T York To Coleman Point Core (York models: DCG 090/150 & B3CH120)	363
X92-932	1-5010-5035	Roof Curb Adapter	Roof Curb 6-1/2 To 12-1/2T York To Coleman Point Pro (York models: DCG 090/150 & B3CH120)	245
X92-933	1-2000-5000	Roof Curb Adapter	Roof Curb 3 To 5T Lennox To Coleman Echelon (Lennox models: GCS/CHA/CHP 16 024/030/036)	209
X92-934	1-2005-5005	Roof Curb Adapter	Roof Curb 3 To 6T Apex Lennox To Coleman Apex (Apex models: GCS 16/20 036-060 & CHA 16 048-060 & CHP 16/20 036-060)	151
X92-935	1-2030-5005	Roof Curb Adapter	Roof Curb 3 To 6T Apex Lennox To Coleman Apex (Apex models: LG/C/HA 036/072 & LGA 036/072 & LGC 072 & LCA 036/072 & LCC 072)	286
X92-936	1-2005-5100	Roof Curb Adapter	Roof Curb 3 To 6T Lennox To Coleman Point Core (Lennox models: GCS 16/20 036-060 & CHA 16 048-060 & CHP 16/20 036-060)	232
X92-937	1-2030-5100	Roof Curb Adapter	Roof Curb 3 To 6T Lennox To Coleman Point Core (Lennox models: LG/C/HA 036/072 & LGA 036/072 & LGC 072 & LCA 036/072 & LCC 072)	221
X92-938	1-2010-5035	Roof Curb Adapter	Roof Curb 6-1/2 To 12-1/2T Lennox To ColemanPoint Pro (Lennox models: GCS 16 072/090 & CHA 16 072/090 & CHP 16 072)	265
X92-939	1-2010-5105	Roof Curb Adapter	Roof Curb 7-1/2 To 12-1/2T Lennox To Coleman Point Core (Lennox models: GCS 16 072/090 & CHA 16 072/090 & CHP 16 072)	261

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- Paid via a one-time payment at the time of purchase

Order #	Mfg. #	Description
Gas and Electric Furnaces (Includes Evaporator Coil)		
L40-693	PRCPFURN060LM	31st Day-5th Year Labor Only
L45-910	PRCPFURN120LM2	2nd-10th Year Labor Only (10 Year Parts Standard)
L44-726	PRCPFURN120LM	31st Day-5th Year labor; 6-10 Year Labor Only (10 Year Parts Standard)
B18-542	PRCPUNIT060L	31st Day-5th Year Labor Only (No Markup or Travel)
A/C Outdoor Unit, (Includes Evaporator Coil) 1-1/2-5 Tons, Single-Phase		
B18-083	PRCPUNIT120LM2	2nd-10th Year Labor Only (10 Year Parts Standard)
B17-305	PRCPUNIT120LM	31st Day-5th Year Labor; 6-10 Year Labor Only (10 Year Parts Standard)
Packaged Unit or Split System with Furnace (Gas/Oil) or Air Handler, and Evaporator Coil, 1-1/2-5 Tons, Single-Phase		
B14-767	PRCPSSPK060LM	5-Year Labor Only
B18-091	PRCPSSPK120LM2	2nd-10th Year Labor Only (10 Year Parts Standard)
B17-307	PRCPSSPK120LM	31st Day-5th Year Labor; 6-10 Year Labor Only (10 Year Parts Standard)
Split System Heat Pump (Includes Evaporator Coil) 1-1/2-5 Tons, Single-Phase		
B14-772	PRCPHP060LM	5-Year Labor Only
B18-087	PRCPHP120LM2	2nd-10th Year Labor Only (10 Year Parts Standard)
B17-304	PRCPHP120LM	31st Day-5th Year Labor; 6-10 Year Labor Only (10 Year Parts Standard)
Packaged Heat Pump or Split System Heat Pump with Furnace (Gas/Oil), or Air Handler and Evaporator Coil, 1-1/2-5 Tons, Single-Phase		
B14-777	PRCPHPSS060LM	5-Year Labor Only
B18-095	PRCPHPSS120LM2	2nd-10th Year Labor Only (10 Year Parts Standard)
B17-306	PRCPHPSS120LM	31st Day-5th Year Labor; 6-10 Year Labor Only (10 Year Parts Standard)



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Limit Switches

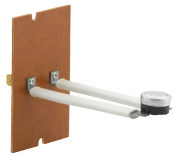
SOURCE 1 HVAC Service Parts

Replacement Parts for Coleman, Evcon, Luxaire, Frazier Johnson and Air Pro

- The following selected parts are warranty and replacement parts for Coleman, Evcon, Luxaire, Frazier Johnson and Air Pro air conditioning and heating equipment



A



B



C



D



E



F



G

Fig.	Order #	Mfg. #	OEM/OEM Mfg. #
A	**L38-941**	S1-02526392003	Therm-O-Disc #60TX11312980
A	**L38-943**	S1-02531812000	Therm-O-Disc #36TX166545
A	**L39-316**	S1-02522273002	Therm-O-Disc #75TF014
A	**L39-317**	S1-02526392005	Therm-O-Disc #60TX11
A	**L39-319**	S1-02529041006	Texas Inst. #INT17L-1919
A	**L39-322**	S1-02529041711	Texas Inst. #INT17L-2392
A	**L39-323**	S1-3400-3151	Therm-O-Disc #60TX11-201810
A	**L39-324**	S1-7142-3091	Therm-O-Disc #60TXX11-312834
A	**L39-325**	S1-7660-3591	Therm-O-Disc #60T-11-200181
A	**L39-326**	S1-7680-3591	Therm-O-Disc #60T-11-200411
A	**L41-989**	S1-02538737000	Therm-O-Disc #36TX11-21564
A	**L44-255**	S1-02541318000	Therm-O-Disc # 36TX16-7335
B	**L38-727**	S1-02529041002	Therm-O-Disc #36T01B3-42294
B	**L38-802**	S1-02634028001	Evcon Ind. #2702-315P/A
B	**L38-803**	S1-2702-316P/A	Therm-O-Disc #36T0B3-17530F

Fig.	Order #	Mfg. #	OEM/OEM Mfg. #
B	**L38-813**	S1-02634028005	A-1 Components #L5-180-30
B	**L38-942**	S1-02530861000	Therm-O-Disc #36T01B3-44691
B	**L38-944**	S1-02531813000	Therm-O-Disc #36T01B3-44697
B	**L38-945**	S1-02531814000	Therm-O-Disc #36T0B3-44698
B	**L39-321**	S1-02529041012	Therm-O-Disc #36T01B3-44703
B	**L40-319**	S1-02531835000	Therm-O-Disc #36T01B3-44700
B	**L40-321**	S1-02532607000	Texas Inst. #1NT23L-2815
B	**L40-322**	S1-02533325000	Texas Inst. #1NT23L-3389
C	**L39-315**	S1-02522273001	Therm-O-Disc #75TF014
C	**L39-320**	S1-02529041007	Texas Inst. #INT17L-2303
D	**L40-328**	S1-02634726001	York
D	**L43-626**	S1-02535361000	Therm-O-Disc #36T01B3-44898
E	**L40-318**	S1-02531834000	Texas Inst. #INTO8L-2656
F	**L40-326**	S1-02535363000	Therm-O-Disc #36TX26-6754
G	**L44-519**	S1-02435596000	Therm-O-Disc #60TX11-314473

Flame Switches

SOURCE 1 HVAC Service Parts



A



B

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
A	**L39-346**	S1-02527747016	Flame Switch	Therm-O-Disc #36TX26-6287
B	**L39-347**	S1-02527792009	Flame Switch	Texas Inst. #INT08L-2655
B	**L39-348**	S1-02531926000	Hi-Temp Switch	Therm-O-Disc #37TJ31-33886
B	**L39-350**	S1-02527747018	Flame Roll-out Switch	Texas Inst. #1NT08L-2085

Roll-Out Switches

SOURCE 1 HVAC Service Parts



Order #	Mfg. #	OEM/OEM Mfg. #
L38-736	S1-02634027000	Texas Inst. #INT08L-3182
L40-315	S1-02527747002	Texas Inst. #INT08L-1434

Pressure Switches


A


B


C


D


E


F


G


H


I


J



K

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
A	**L40-316**	S1-5994063	Low Pressure Switch	NA
A	**L40-325**	S1-02535356000	High Pressure Switch	Texas Inst. #PS-80-03-0195 405-265
B	**L42-923**	S1-02425256700	Air Pressure Switch	York
B	**L38-929**	S1-2940-3151	Air Pressure Switch	Tridelta #FS6090-95-1
B	**L39-328**	S1-02435311000	Air Pressure Switch	Micro #9300V065DE-ACT
B	**L39-338**	S1-02435274000	Air Pressure Switch	Tridelta BA10064-1
B	**L41-999**	S1-02435264000	Pressure Switch	York
B	**L43-100**	S1-02425808702	Pressure Switch	York
C	**L40-310**	S1-02439479000	Venter Air Pressure Switch	Tridelta #FP6067A-I
C	**L42-001**	S1-02435261000	Pressure Switch	York
C	**L42-014**	S1-02435308000	Pressure Switch	IWC #9371DO-HS-0029
C	**L43-092**	S1-02435285000	Pressure Switch	York
C	**L43-093**	S1-02435286000	Pressure Switch	York
D	**L39-339**	S1-02435275000	Pressure Switch	York
D	**L39-340**	S1-02435276000	Pressure Switch	York
E	**L41-997**	S1-02434612000	Pressure Switch	York
E	**L41-998**	S1-02434562000	Pressure Switch	York
E	**L42-013**	S1-02435324000	Pressure Switch	York
E	**L43-095**	S1-02434561000	Pressure Switch	York
E	**L45-123**	S1-32435886000	Kit, Pressure Switch, 2-Stg 96% AFUE Furnaces	York
F	**L46-438**	S1-02435978000	Pressure Switch	Honeywell #IS20101-6124
F	**L46-439**	S1-02435979000	Pressure Switch	Honeywell #IS20101-6126
G	**L42-010**	S1-02435266000	Pressure Switch	York
H	**L43-511**	S1-2LA06700424	Pressure Switch	York
I	**L44-276**	S1-02440872000	Air Pressure Switch	York
I	**L44-277**	S1-02440873000	Air Pressure Switch	York
I	**L44-302**	S1-02435776000	Pressure Switch	York
I	**L44-307**	S1-02435780000	Pressure Switch	York
J	**L39-330**	S1-02435271000	Air Pressure Switch	Tridelta #PPS10122-2724
J	**L39-331**	S1-02435272000	Air Pressure Switch	Tridelta #PPS10122-2725
J	**L39-333**	S1-02427632001	Air Pressure Switch	Tridelta #PPS10135-2790
J	**L39-334**	S1-02427634001	Air Pressure Switch	Tridelta #PPS10129-2760
J	**L39-335**	S1-1PS0309	Air Pressure Switch	Tridelta #PPS10129-2763
J	**L39-337**	S1-02435262000	Air Pressure Switch	Tridelta #PPS10129-2765
J	**L40-311**	S1-02435309000	Air Pressure Switch	Tridelta #PPS10160-2940
K	**L39-332**	S1-02436052018	Air Pressure Switch	Tridelta #PPS10135-2789
—	**L48-992**	S1-02547283000	High Pressure Switch	—
—	**L48-993**	S1-02436313000	Low Pressure Switch	—
—	**L48-994**	S1-02547286000	Low Pressure Switch	—

Fan Switch



Order #	Mfg. #	Description	OEM/OEM Mfg. #
L39-351	S1-7710-3281	Fan Switch	Therm-O-Disc #60T82-201707

Neutralizer Kit



- For use with Coleman & Evcon furnaces

Order #	Mfg. #	Description	OEM/OEM Mfg. #
L43-502	S1-1NK0301	Neutralizer Kit	York

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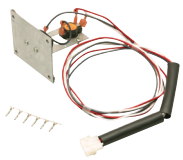
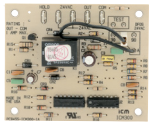
Auxiliary Limit Switches



Order #	Mfg. #
L86-559	S1-37303136602

Order #	Mfg. #
L86-560	S1-37313300604

Defrost Controls



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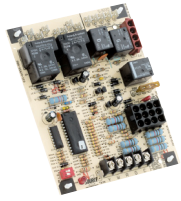
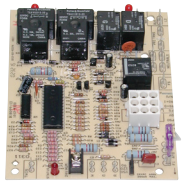


B

Fig.	Order #	Mfg. #	OEM/OEM Mfg. #
A	**B13-235**	S1-03101954000	United Tech. 1084-900
A	**L38-974**	S1-03101251000	ICM #DFROF-24A21300
A	**L38-988**	S1-37323870001	Texas Inst. #6YG-2
B	**L39-355**	S1-33101975001	United Tech. 1030-103-1

Fan Timer Controls



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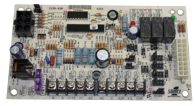

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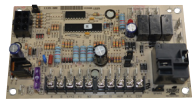


C

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
A	**L39-382**	S1-02532816000	Fan Control	Excel Comfort #20054501
B	**L41-756**	S1-03109157000	Control, Fan/Electric Heat	UTI #1139-83-410D

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
C	**L41-757**	S1-03109156000	Control, Fan/Electric Heat	UTI #1139-83-400D

Pressure Controls



A



B



C

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
A	**B13-419**	S1-02517620702	Cntrl, Press, Refrig, 398/310(O/C)PSIG	Texas Inst. #PS80-01-0053
B	**B13-237**	S1-02533305048	Cntrl, Press, Refrig, High 400/300(O/C) PSIG	Texas Inst. #PS80-01-0108
C	**B15-392**	S1-02535359000	Control, High Pressure	Texa Inst. #PS80-01-0630

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
—	**B15-391**	S1-02538888001	Control, High Pressure	York
—	**B15-393**	S1-02539886000	Control, High Pressure	N/A
—	**B15-394**	S1-02538889001	Control, High Pressure	York
—	**B15-395**	S1-02535360000	Control, High Pressure	York

Rollout Controls



A



B

Fig.	Order #	Mfg. #	OEM/OEM Mfg. #
A	**L39-363**	S1-02526357000	Therm-O-Disc #10H11
B	**L43-428**	S1-02526392010	Therm-O-Disc #60TX11-313858
B	**L43-432**	S1-02526392011	Therm-O-Disc #60TX11-313859

Fan Limit Control



Order #	Mfg. #	Description	OEM/OEM Mfg. #
L39-365	S1-02526366001	Fan Limit Control	Therm-O-Disc #60T13

Limit Controllers



Order #	Mfg. #	Description	OEM/OEM Mfg. #
L39-377	S1-02529041004	Limit Controller	Texas Inst. #INT17L-1875
L39-378	S1-02529041005	Limit Controller	Texas Inst. #INT17L-1918
L39-379	S1-02530321700	Limit Controller	Texas Inst. #INT08L-2168
L39-380	S1-02529041001	High Limit Control	Therm-O-Disc #36T0183-42293

Temperature Controls



A



B



C



D



E



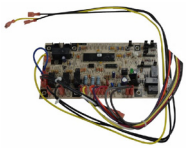
F

Fig.	Order #	Mfg. #	OEM/OEM Mfg. #
A	**L38-965**	S1-02527723001	Texas Inst. #20601F18-209
B	**L38-970**	S1-02531830000	Therm-O-Disc #60T13-203585
B	**L38-940**	S1-02526366003	Therm-O-Disc #60T13-203463
B	**L38-964**	S1-02526366008	Therm-O-Disc #60T13203588
B	**L39-361**	S1-02527733002	Therm-O-Disc #64T11-208400

Fig.	Order #	Mfg. #	OEM/OEM Mfg. #
C	**L38-962**	S1-02426099000	Therm-O-Disc #6603-36TX26
D	**L38-966**	S1-02527727001	Therm-O-Disc #37T02-29982
E	**L39-360**	S1-02519499001	Therm-O-Disc #60TX12
F	**L40-283**	S1-02527727003	Therm-O Disc #37T35-313-13

Module Control

- For use with Coleman & Evcon equipment



Order #	Mfg. #	Description
X72-091	S1-37323867001	Modue Defrost Control 1-Stage

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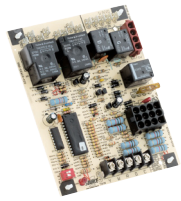
Control Boards and Circuit Boards

Note: Individual product images available at www.JohnstoneSupply.com



Order #	Mfg. #	Description	For Use With	Wt. Lbs.
L38-808	S1-43101972100	Control Board	BGD, BGM, BGU, GMB, GUB & UGA (All)	—
B20-475	S1-2LA04701024	Low Ambient Control Kit	For use with TC3Bxx21(S,H), TC4Bxx21(S,H), TW4Bxx21S, TF4Bxx21S	1.8
L38-826	S1-2702-300P	Control Module	GUA (050-150)	—
B20-485	S1-33102952310	Comunicating Board	For use with TC3Bxx21(S,H), TC4Bxx21(S,H), TW4Bxx21S, TF4Bxx21S, TH4B heat pumps	—
L38-923	S1-02532634000	Control Module	MGP (050-150), ODF (050-150)	—
L43-699	S1-03103002000	Control Board	Coleman and Evcon Equipment	—
L38-957	S1-03100652000	Control Board	B*CH, B*HN, B*CH, BACB, BADF, B(B,C,D)CB, D*CE, D*CG, D*EE	—
L43-702	S1-03102995000	Control Board	Coleman and Evcon Equipment	—
L38-958	S1-03100880002	Circuit Board	BCCB (036-060), BDCB-X (036), BPHM (036-060)	—
L44-418	S1-03109175000	Control Board	Coleman and Evcon Equipment	—
L38-959	S1-03100880001	Circuit Board	BPCM(036-060), D4CG(036-076), D1CE(036-060), D1CG(036-072), D1EE(036-060), D2CE(036-076), D2CG(036-076), D2EG(036-060), D3CE(036-076), D3CG(036-076), DAHB-F(036-060), DAHB-T(036-072), DAHB-W(036-072), DAUC-F(036-060), DAUC-T(036-072), DAUC-W(036-072), DAUC-X(048-072), DAUC-X072N125C, DBHB-F(036-060), DBHB-T(036-076), DBHB-W(036-076), DBHB-X(036-076), DBUC-F(036-060), DBUC-T(036-060), DBUC-W(036-060), DBUC-X(048-060), DBUS-F(036-060), DBUS-T(036-060), DBUS-W(036-060), DBUS-X(036-060), DCHBT076AA, DCHB-W076AA, DCHB-X076AA, DCUC-F(036-060), DCUC-T(036-076), DCUC-W(036-076), DCUC-X(036-060), DDUC-F(036-060), DDUC-T(036-076), DDUCW(036-076), DDUC-X(036-076)	—
L44-419	S1-03102993000	Control Board	Coleman and Evcon Equipment	—
L38-961	S1-03101264002	Circuit Board	DAPB-T,W,X (036-042), FYFC (018-036), FYFP (018-060), FYRC (018-030), FYRP (018-042), NXAH, NXVS	—
L44-420	S1-33109150000	Control Board	Coleman and Evcon Equipment	—
L39-369	S1-ST9120U1011	Relay Time Delay	BGM (040-140)	—
L44-421	S1-33109150001	Control Board	Coleman and Evcon Equipment	—
L44-609	S1-7681-317P/A	Control Board Kit	7681	—
L40-281	S1-03101955000	CFM Selection Board Control	G8V08012UHA11C, G8V10016UHB11C, G8V10020UHC11C, G8V12020UHC11C, G9V06012UPB11B, G9V08012DHB11A, G9V08016UPC11B, G9V10020UPC11B, G9V12020DHD11A, G9V12020UPD11B, L8V08012UHA12A, L8V10016UHB12A, L8V10020UHC12A, L8V12020UHC12A	—
L44-832	S1-33102977000	Control Board, Kit, 2-ST ECM	TM8V, TM9V, TMLV	—
L40-285	S1-6187677	Spark Ignition Control	DL-06N12ATAAA1A, DL-06N12AWAAA1A, DL-07N12ATAAA1A, DL-07N12AWAAA1A, DL-07N18ATAAA1A, DL-07N18AWAAA1A, DL-08N12ATAAA1A, DL-08N18ATAAA1A, DL-08N18AWAAA1A, DL-10N18ATAAA1A, DL-10N18AWAAA1A, DL-10N24ATAAA1A, DL-10N24AWAAA1A, DL-12N18ATAAA1A, DL-12N18AWAAA1A, DL-12N24ATAAA1A, DL-12N24AWAAA1A	—
L44-833	S1-33103009000	Control Board, Kit, 2-Stage	TM8T, TM9T, TMLT	—
L42-964	S1-03109161000	Control Board	Coleman and Evcon Equipment	—
L44-862	S1-03102959000	Circuit Board	BPGM (018-060), DAYA (018-060), DAYH (018-036), DPGM (018-036)	—
L43-389	S1-03101975000	Control Board	Coleman and Evcon Equipment	—
L45-086	S1-03102951001	Board, Control, Single Stage, X13	TM9X, TM8X, TMLX	—
L45-124	S1-33102952000	Control Board Kit, AC	AC5B(024-060)F1, AC8B(024-060)F1	—
L45-125	S1-33102957000	Control Board Kit, HP	HC5B(024-060)F1, HC8B(024-060)F1	—
L45-698	S1-33102968000	Control Board Kit	Coleman and Evcon Equipment	—
L46-116	S1-33102984000	Control Board Kit For Modulating ECM Furnaces	CP9C060B12MP12CA, CP9C080B12MP12CA, CP9C080C16MP12CA, CP9C-100C16MP12CA, CP9C100C20MP12CA, CP9C120D20MP12CA	—
L46-437	S1-03102985000	Control Board	All AHE Air Handlers	—
L47-214	S1-03103012000	2-Stage Communicating Control Board	Gas Furnaces	—
L47-685	S1-03102986000	Control Board	Coleman and Evcon Equipment	—

SOURCE 1 HVAC Service Parts

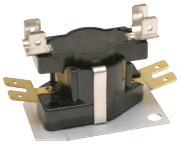
Circuit Breakers



Order #	Mfg. #	Description	OEM/OEM Mfg. #
G32-635	S1-3500-377P/A	Circuit Breaker	Square D Co. #QOU2605245
G32-636	S1-02425298003	Circuit Breaker	Square D Co. #QOU260
G33-933	S1-02434532000	Circuit Breaker	York

SOURCE 1 HVAC Service Parts

Relays



A



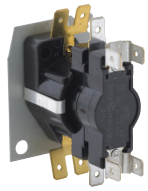
B



C



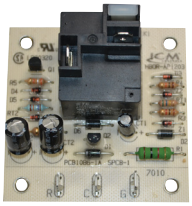
D



E



F



G



H

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
A	**L38-976**	S1-02419082028	Heat Sequencer Relay	Therm-O-Disc #12520 305043
A	**L38-977**	S1-02419082738	Heat Sequencer Relay	Texas Inst. #60200A0-210
A	**L38-978**	S1-02419082740	Heat Sequencer Relay	Therm-O-Disc #3005872
A	**L39-386**	S1-02419082039	Heat Sequencer Relay	Therm-O-Disc #14SX22 305871
A	**L43-520**	S1-02435664000	Relay	Zettler #AZ2280-1A-24D
B	**L38-985**	S1-02424116000	Lockout Relay	Deltrol Controls #265F-22900-71
C	**L38-979**	S1-02419138001	Control Relay	Deltrol Controls #165F-29628-60
C	**L38-981**	S1-02421678700	Control Relay	Deltrol Controls #22751-70
C	**L38-983**	S1-02424111000	Control Relay	Deltrol Controls #265F-22880-70
D	**L43-654**	S1-02435619000	Time Delay Relay	ICM #205
D	**L44-498**	S1-02436062000	Relay	York
E	**L38-986**	S1-02425986000	Relay	Potter & Brumfield #T9AP1D52-10-02
E	**L39-387**	S1-S90-293Q	Control Relay	Products Unlimited #9400Y04Q115
F	**L39-388**	S1-2940-3551	Relay	Deltrol Controls #23499-70
F	**L43-533**	S1-02423972000	Relay Control	Deltrol Controls #22844-71
F	**L43-534**	S1-02424103000	Relay Control	Deltrol #22848-70
F	**L43-538**	S1-02425910700	Relay Control	Deltrol Controls #23467-70
G	**L43-658**	S1-02426089000	Time Delay Relay	ICM #PCB1086-1A
H	**L44-499**	S1-7975-3771	Relay	White Rodgers #134-20103-301Q

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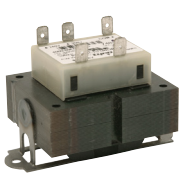
Transformers


A


B

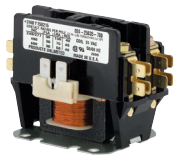

C

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
A	**G32-410**	S1-02518452700	Transformer	Products Unlimited #4000Y09E07AE15
A	**G32-623**	S1-3300-3861	Transformer	Basler Electric #S17240-0014

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
A	**G32-624**	S1-7945-3551	Transformer	Basler Electric #S19162-0001
B	**L38-729**	S1-02530889000	Furnace Transformer	Tyco #4000-01E07AE15
C	**L38-804**	S1-2940A3541	Transformer	Products Unlimited #400001V18BB39

Contactors

Order #	Mfg. #	Description	OEM/OEM Mfg. #
G32-412	S1-02425837700	Compressor & Outdoor Fan Contactor	Products Unlimited #3100Y15Q1915CL
G32-413	S1-02427531000	Compressor Contactor	Products Unlimited #3100Y15Q215
G32-529	S1-02432004000	Compressor & Outdoor Fan Contactor, 2 Pole, 30A, 24V	Products Unlimited #3100Y20Q615
G32-530	S1-02425842700	Compressor & Outdoor Fan Contactor, 3 Pole, 30A, 24V	Products Unlimited #3100Y30Q915
G32-619	S1-02441623000	Compressor Contactor	Fellows #42BF35AJAFU



Ignition Modules


A


B


C

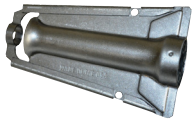
Fig.	Order #	Mfg. #	OEM/OEM Mfg. #
A	**L38-921**	S1-37327818001	White-Rodgers #50E47843
B	**L38-918**	S1-1474-0041	Robertshaw #100-00812

Fig.	Order #	Mfg. #	OEM/OEM Mfg. #
B	**L38-920**	S1-7995-3081	Fenwal #05-279002-223
C	**L43-406**	S1-37323884001	Fenwal #35-605924-113

Burners


A


B


C


D

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
A	**L39-413**	S1-02920482000	Burner	Beckett #YK850
B	**L39-412**	S1-02927069000	Burner	Burner Systems International #215747E

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
C	**L42-881**	S1-02922158000	Burner	York
D	**L42-892**	S1-02921121000	Burner Inshot Assembly	York

Spark Ignitors


A


B


C

Fig.	Order #	Mfg. #	OEM/OEM Mfg. #
A	**L38-932**	S1-02526361700	White-Rodgers #07-60-687-S1
A	**L38-933**	S1-02529010000	Precision Speed #PSE-YK4
A	**L38-934**	S1-02530372000	Precision Speed #PSE-Y14

Fig.	Order #	Mfg. #	OEM/OEM Mfg. #
B	**L39-403**	S1-02538951000	Johnson Controls #Y58PF-3C
C	**L40-297**	S1-02535305000	Precision Speed Equipment PSE-Y33

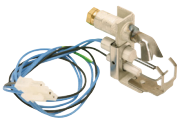
Suction Valve



- For use with Coleman & Evcon equipment

Order #	Mfg. #
B16-654	S1-02211572000

Pilot Ignition Assemblies


A


B

Fig.	Order #	Mfg. #	OEM/OEM Mfg. #
A	**L38-935**	S1-02532780000	Honeywell #Q3450E1024
A	**L39-405**	S1-02530860000	Honeywell #Q3450E3004
B	**L39-406**	S1-9849-0161	Robertshaw #77203

Hot Surface Ignitors


A


B


C


D


E


F

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
A	**L38-325**	S1-32541021000	Hot Surface Ignitor	Norton Co. #MB458831201W
A	**L38-731**	S1-02532625000	Hot Surface Ignitor	Norton Co. #271N-MB478013
A	**L38-807**	S1-1474-051P	Hot Surface Ignitor	Norton Co. #MB478033
B	**L38-732**	S1-47320937001	Hot Surface Ignitor	York
C	**L39-409**	S1-02529043000	Hot Surface Ignitor	Norton Co. #271D-MB458830

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
D	**L43-069**	S1-02533421001	Hot Surface Ignitor	Norton #601-1014
E	**L43-071**	S1-37331175000	Ignitor Kit	York
F	**L39-410**	S1-02529084700	Hot Surface Ignitor	Norton Co. #401T-MB458916

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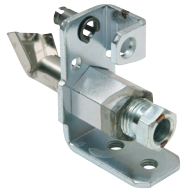
Ignition Controls



Order #	Mfg. #	Description	OEM/OEM Mfg. #
L38-924	S1-02526363700	Ignition Control Module	Johnson Controls #G67BG4C
L38-969	S1-32542681000	Spark Ignition Control Kit	Johnson Controls #G775RJD-1C

Pilot Burner



Order #	Mfg. #	Description	OEM/OEM Mfg. #
L39-411	S1-9880A0161	Pilot Burner	Robertshaw

Sensors


A


B

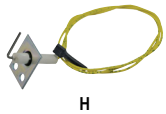

C


D


E


F


G

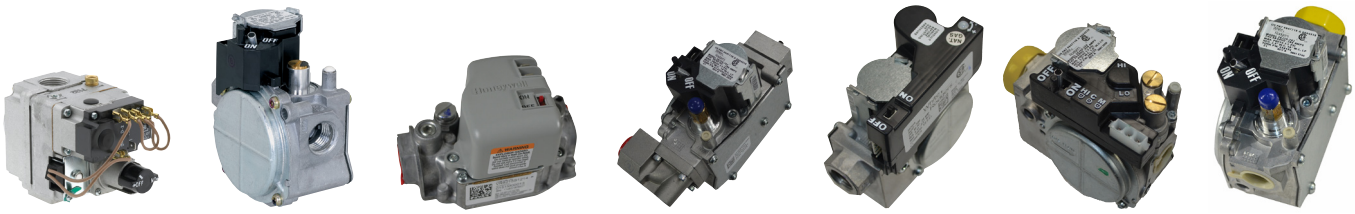

H


I

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
A	**L38-809**	S1-2702-311P	Sensor Rod	Channel Products #1659-80
A	**L38-914**	S1-2845-3111	Flame Sensor	Channel Products #1259-95
A	**L38-936**	S1-02530801000	Flame Sensor	Precision Speed #PSE-Y17
A	**L38-937**	S1-02530802000	Flame Sensor	Precision Speed #PSE-Y18
A	**L40-309**	S1-02535306000	Gas Flame Sensor	Precision Speed #PSE-Y32
B	**L38-728**	S1-02530788700	Flame Sensor	Precision Speed #PSE-Y16
B	**L38-928**	S1-02527773700	Flame Sensor	Precision Speed #PSE-YK2
B	**L39-420**	S1-02526362700	Flame Sensor	White-Rodgers #07 60 688 S1
B	**L41-979**	S1-02537499000	Sensor Rod	York
C	**L39-422**	S1-03101231700	Flame Sensor	Therm-O-Disc #9RT1H652
C	**L39-424**	S1-03101232700	Liquid Sensor	Therm-O-Disc #9RT1H653

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
C	**L41-759**	S1-02532701000	Temperature Sensor	York
C	**L41-760**	S1-02532701016	Temperature Sensor	York
D	**L41-761**	S1-03101276000	Liquid Sensor	York
D	**L44-509**	S1-03101252000	Temperature Sensor	York
E	**L44-301**	S1-03109199000	Sensor	York
F	**L44-308**	S1-02435922000	Pressure Sensor	York
G	**L45-703**	S1-02542683000	Temperature Sensor	York
H	**L39-421**	S1-02538950000	Flame Sensor	Johnson Controls #Y75FB-1C
I	**L43-453**	S1-03101278000	Discharge Sensor	York
—	**L48-964**	S1-02547281000	Temperature Sensor	York

Gas Valves



A B C D E F G

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
A	**L38-810**	S1-2736-326P	Gas Valve	Robertshaw #7A6-A7J-502
A	**L38-915**	S1-7956-336P	Gas Valve	Basler Electric #S19162-000
A	**L38-946**	S1-36H64-463	Gas Valve	White-Rodgers #36C76-45018
A	**L38-948**	S1-SV9501M2528	Gas Valve	Honeywell #SV9501M2734
A	**L39-391**	S1-4211700	Gas Valve	Consolidated Industries
A	**L39-392**	S1-02527720700	Gas Valve	White-Rodgers #36C68 466 S1
B	**L38-730**	S1-32544123000	Gas Valve	White-Rodgers #36F24-206
C	**L39-393**	S1-6257916	Gas Valve	Honeywell #VR8204M1026B
C	**L39-394**	S1-VR8205A2024	Gas Valve	—
D	**L45-117**	S1-02543267000	Gas Valve, Natural/LP, 1/2 X	White-Rodgers 36J29-701
E	**L45-127**	S1-02543257000	Gas Valve, 97% Modulating	White-Rodgers 36J27-508
F	**L41-982**	S1-02544124000	Gas Valve, 2Stg Slow Open	White-Rodgers #36J54-250
G	**L43-140**	S1-02544125000	Gas Valve	White-Rodgers Mfg. Hsg. J Style

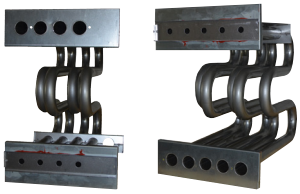
Gas Crossover Tubes



A B

Fig.	Order #	Mfg. #
A	**L86-574**	S1-07307782001
B	**L86-576**	S1-32920425001

Heat Exchangers



A B

Fig.	Order #	Mfg. #	Description
A	**L98-459**	S1-37323068006	Heat Exchanger
A	**L98-632**	S1-37312894704	Heat Exchanger

Fig.	Order #	Mfg. #	Description
A	**L98-644**	S1-36390016702	Heat Exchanger
B	**L98-636**	S1-37312894705	Heat Exchanger

Heating Elements



A B

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
A	**L86-492**	S1-3612-348P/A	Heat Element	Chromolox #501058
B	**L87-741**	S1-3500-412P/A	Heat Element	York
B	**L80-263**	S1-3500-411P/A	Heat Element	York
B	**L80-905**	S1-02541367000	Electric Heater 40W 240V 21IN	—
B	**L80-266**	S1-2HK16501506	Electric Heater Kit	York

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Vents


A


B


C

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
A	**L39-434**	S1-07305376000	Scroll Vent	York
B	**L39-435**	S1-07305377000	Plate Vent	York
C	**L43-482**	S1-1HT0901	Sidewall Vent Terminal Kit - 1-1/2", 2" or 3" pipe	—
C	**L43-582**	S1-1HT0902	Sidewall Vent Terminal Kit - 1-1/2" or 2" pipe	—

Sight Glass



Order #	Mfg. #	Description	OEM/OEM Mfg. #
L39-455	S1-02530899000	Sight Glass	Purchased Parts

Crankcase Wrap Around



Order #	Mfg. #	OEM/OEM Mfg. #
L39-431	S1-02519961701	Tutco #02-6114-00-70

Replacement Compressors

Note: Individual product images are available at www.JohnstoneSupply.com



Order #	Mfg. #	Description	OEM/OEM Mfg. #
B75-641	S1-ZR57K3E-PFV-950	Compressor	Copeland #ZR57K3E-PFV-950
B75-901	S1-ZR48K5E-TF5-800	Compressor	Copeland #ZR48K5E-TF5-800
B78-047	S1-01504813001	Compressor	Bristol #H83B273ABCA
B78-642	S1-01504832004	Compressor	Copeland #ZP20K6E-PFV-800
B78-805	S1-01504833004	Compressor	Copeland #ZP24K6E-PFV-800
B78-807	S1-01504834004	Compressor	Source 1 #ZP40K6E-PFV-800
B78-808	S1-01504852004	Compressor	Source 1 #ZP49K6E-PFV-800
B78-810	S1-01504011301	Compressor	Source 1
B93-382	S1-01503729004	Compressor	Bristol #H20R603DBYA

SOURCE 1 HVAC Service Parts

Orifices

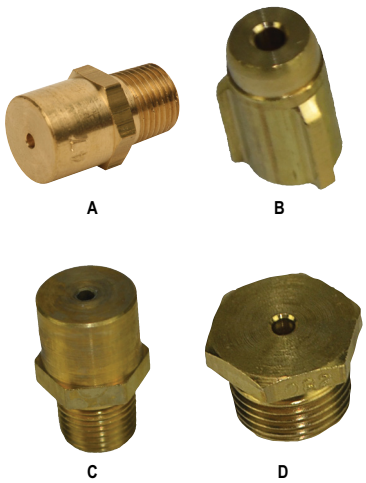

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
A	**B13-602**	S1-02919387008	Orifice	—
A	**B13-611**	S1-9951-0931	Orifice 0.093	Chatleff Controls Inc. #50070930000000
A	**L42-972**	S1-02921182047	Orifice Burner	—
A	**L43-049**	S1-02920423746	Orifice Gas	York
A	**L44-467**	S1-9951-0891	Orifice Gas	York
A	**L44-474**	S1-9951-1491	Orifice Gas	York
A	**B13-609**	S1-02920423047	Burner Gas Orifice, Drill Size 47, 0.0785	Hamco Mfg. Co.
A	**B13-610**	S1-02920423048	Burner Gas Orifice, Drill Size 48, 0.076	Byron Valve and Machine Co. #G0490-04B
B	**B13-603**	S1-02919387014	Orifice	York
B	**B16-612**	S1-02919387038	Orifice Refrigerant	—
B	**L44-472**	S1-9951-1281	Orifice Gas	York
C	**B13-607**	S1-02920422056	Natural Gas Orifice, Drill Size 56, 0.0465	Byron Valve and Machine Co.
C	**B13-608**	S1-02920423044	Orifice Gas	York
C	**L43-050**	S1-02920423042	Orifice Gas	York
D	**L44-476**	S1-9951-1731	Orifice Gas	York
D	**L46-230**	S1-02921182245	Orifice Burner Drill	York

SOURCE 1 HVAC Service Parts

Reversing Valves



Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
A	**L39-402**	S1-02211571000	Angle Valve	Aeroquip #FD67-1355-06-06
—	**B20-489**	S1-02547288000	Reversing Valve	Source 1

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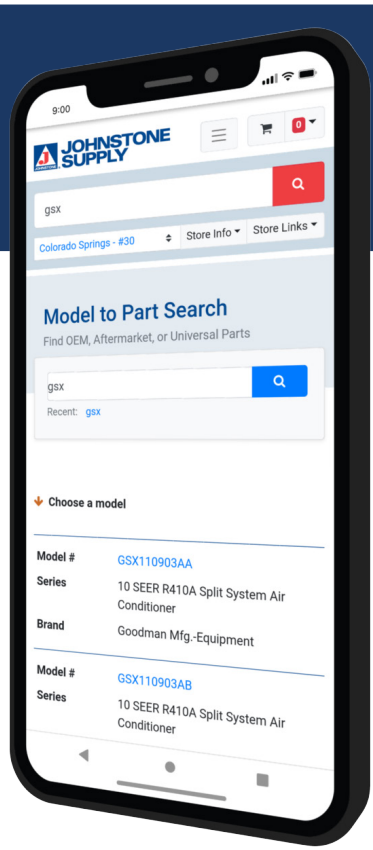

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Replacement Motors for Light Commercial Equipment

Note: Individual product images available at www.JohnstoneSupply.com



A



B



C

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
Blower Motors				
A	**S80-804**	S1-02425972000	Blower Motor	GE 5KCP39MGS414BS
A	**S81-224**	S1-02435326006	Motor Blower Programmable	GE 5SME39HXL015A
A	**S81-332**	S1-02435705009	Motor Blower Programmable	GE 5SME39NXL070)
A	**S81-335**	S1-02435706005	Motor Blower Programmable	Nidec Motor Corp
A	**S89-259**	S1-02419623718	Blower Motor	GE #5K49RN4277X, Emerson #P63PXHCHC-2677
A	**S89-261**	S1-6008108	3/4 HP Blower Motor, 1050 RPM, 3-Speed, 460V, Single-Phase, CCW, 48 Frame	A.O. Smith #F48L33A50C, GE #5KCP39NGN033S, Emerson #K55H-JFK2833
A	**S89-262**	S1-02421672001	1 HP Blower Motor, 1100 RPM, 3-Speed, 208/230V, Single-Phase, 48 Frame	A.O. Smith #F48L13A50C, GE #5KCP39SGH912AS
A	**S89-263**	S1-02442072000	Blower Motor	A.O. Smith #F48L47A50, Emerson #K55HXMJH4238
A	**S89-264**	S1-02424107001	Blower Motor	A.O. Smith #F48L47A50, Emerson #K55HXMJH-4238
A	**S89-273**	S1-02424120005	Blower Motor	A.O. Smith #F48M03A50
A	**S89-274**	S1-02424120004	Blower Motor	A.O. Smith #F48M38A50
A	**S89-281**	S1-02442180000	Blower Motor	A.O. Smith #F48G10A50, GE #5KCP39SGS4138S
A	**S89-475**	S1-02425106701	Blower Motor	GE #KCP39FGN559FS
A	**S89-679**	S1-02442070000	Blower Motor	A.O. Smith #F48G57A50
A	**S89-699**	S1-32436086425	1 HP ECM Blower Motor, 230V	York
Condenser Fan Motors				
B	**S80-878**	S1-6008080	Condenser Fan Motor	A.O.S. F48T72A50
B	**S80-889**	S1-6008085	Condenser Fan Motor	A.O.S. #F48Z88A50
B	**S80-890**	S1-02427551700	Condenser Fan Motor	Emerson K55HXKWT-9824
B	**S80-914**	S1-02440892000	Condenser Fan Motor	AOS F48H32A50
B	**S80-920**	S1-02432068001	Condenser Fan Motor	AOS 7-193500-01
B	**S80-922**	S1-02432068002	Condenser Fan Motor	AOS 7-193501-01
B	**S89-280**	S1-02425820700	Condenser Fan Motor	A.O. Smith #F48L43A50, Emerson #K55HXBSA
Inducer Motors				
C	**S89-270**	S1-02424115018	Draft Inducer	Fasco #7121-10621
C	**S89-271**	S1-02424115019	Draft Inducer	Fasco #7121-9972

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SOURCE 1 HVAC Service Parts

Replacement Motors for Commercial Equipment

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Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
Blower Motors				
A	**S89-257**	S1-02419623716	2 HP Blower Motor, 1800 RPM, 1-Speed, 200/230/460V, 3-Phase, Rev., 56 Frame	GE #5K49TN4272X, Marathon #56T17D5502
A	**S89-258**	S1-02419623717	3 HP Blower Motor, 1725 RPM, 1-Speed, 200/230/460V, 3-Phase, Rev., 56 Frame	GE #5K49RN4277X, Marathon #Q56T17D5515
Condenser Fan Motors				
B	**S89-275**	S1-02431939002	1-1/4 HP Fan Motor, 1140 RPM, 1-Speed, 208/230/460, 3-Phase, Rev., 56 Frame	Magnetek #17635600, Marathon #P63-3208
B	**S89-265**	S1-02442077000	3/4 HP Fan Motor, 1100 RPM, 1-Speed, 460V, Single-Phase, CW, 48 Frame	A.O. Smith #F48L23850, Emerson #K55HXKPR3444
B	**S89-467**	S1-02417420700	1/2 HP Fan Motor, 1100 RPM, 1-Speed, 208/230V, Single-Phase, CCW, 48 Frame	GE #KCP37MN459GS, Magnetek #X-135658-XX
B	**S89-470**	S1-02442074000	3/4 HP Fan Motor, 1050 RPM, 1-Speed, 460V, Single-Phase, CCW, 48 Frame	A.O. Smith #F48M16A50, Emerson #K55HXJPE-5342
B	**S89-703**	S1-6007531	1/3 HP Condenser Fan Motor, 208/230V With Rainshield	A.O. Smith #F48T70A50
B	**S89-704**	S1-6007532	1/3 HP Fan Motor, 460-1-60 With Rainshield	A.O.S. #F48T32A50
B	**S89-705**	S1-6008079	3/4 HP Fan Motor, 230-1-60 With Rainshield	A.O.S. #F48T73A50
B	**X89-686**	S1-02418395700	1/2 HP Fan Motor, 1075 RPM, 460V, CCW, 48 Frame	Marathon #48A110800, Magnetek #141867
Inducer Motors				
C	**S89-269**	S1-02424115017	1/20 HP Motor, 3400 RPM, 1-Speed, 208/230V, Single-Phase, CW, 3.3 Frame	Fasco #7121-4312
C	**S89-272**	S1-02424115020	1/20 HP Motor, 3400 RPM, 1-Speed, 460V, Single-Phase, CW, 3.3 Frame	Fasco #7162-4563
C	**S89-472**	S1-02425005004	1/10 HP Ventor Motor, 3400 RPM, 1-Speed, 460V, 1-Phase, CW, 3.3 Frame	Fasco #7162-4548
C	**S89-473**	S1-02425005701	1/10 HP Ventor Motor, 3400 RPM, 1-Speed, 208/230V, 1-Phase, CW, 3.3 Frame	Fasco #7162-2984S, K33HXCAF-867

SOURCE 1 HVAC Service Parts

Replacement Motors for Residential Furnaces and Air Handlers

Note: Individual product images available at www.JohnstoneSupply.com



Order #	Mfg. #	Description	OEM/OEM Mfg. #
Blower Motors			
S89-676	S1-02440878000	1/4 HP, Direct Drive Blower Motor, 1075/3, 208/230-1-60, CCW Eos, 48 Frame	A.O. Smith #F48L26A50
S89-707	S1-1468-235P/A	1/2 HP, Blower Motor, 1050/3, 115-1-60, CCW Eos, 48 Frame	A.O. Smith #F48F95A48
X89-622	S1-02440904000	1/3 HP Direct Drive Blower Motor, 1075 RPM, 3-Speed, 115V, Single-Phase, CCW, 48 Frame	A.O. Smith #F48L34A50C, GE #KCP39GGN664BS, Emerson #K55HX-KDB-3208
X89-623	S1-02425112700	1/3 HP Blower Motor, 1075 RPM, 3-Speed, 115V, Single-Phase, CCW, 48 Frame	GE #KCP39KGP940S, Emerson #K55HXPMY-5212
Draft Inducer Assemblies			
S80-946	S1-32425007000	Fan With Motor	Fasco #7062-2442
S80-948	S1-32630614000	Fan With Motor	Fasco #7021-6691
S89-214	S1-32425960000	Vent Fan w/ Motor & Gasket 3450 RPM, 115V, Single-Phase, 60 Hz, CCW	York
S89-477	S1-02427519000	Ventor Motor	Fasco #7021-10300
S89-480	S1-02632250000	Inducer Blower Ventor Motor	Excel Comfort #20054001
S89-486	S1-2845-3209	Vent Motor, 3200 RPM, 115V	Westinghouse #323P861
S89-502	S1-02427653000	Vent Blower with Motor	7021-10675
S89-504	S1-37320717002	Vent Fan Motor, 2-Stage	Fasco #7062-5765
S89-506	S1-02435329000	Ventor Motor	Jakel #J238-150-15304
S89-507	S1-37320717001	Ventor Motor with Gasket	Fasco #7062-5766
X81-851	S1-02435330000	Blower, Inducer, Draft	Jakel #J238-112-11262C
X80-019	S1-32434558000	Draft Inducer w/ Limit & Gasket	York
X80-910	S1-02633999001	Draft Inducer Assembly - 3200RPM 208-230V (Fasco 7021-10096)	Fasco #7021-10096
X82-259	S1-32435817000	Draft Inducer Assembly - Mod Furnace 3200RPM 115V (Fasco 7021-12241)	Fasco #7021-12241
X89-625	S1-2702-321P	Ventor Blower with Motor, 115V, 60 Hz	Fasco #7021-8935
X89-628	S1-2940-391P	Vent Blower Motor	Fasco #7021-5478
X89-680	S1-32632067000	Vent Motor, 3000 RPM, 115V, Single-Phase, CW, Includes Gaskets	Fasco #7021-8317

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Motors for Residential Air Conditioners and Heat Pumps

Note: Individual product images available at www.JohnstoneSupply.com


A


B


C

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
Blower Motors				
A	**S81-333**	S1-02435705010	Mtr, Blw, Prgrm, 3/4 X-13	GE #5SME39NXL070
A	**S81-336**	S1-02435706006	Mtr, Blw, Prgrm, X-13	GE #5SME39SXL013A
A	**S89-683**	S1-02426096000	1/2 HP, Direct Drive Blower Motor, 1090/3, 208/230-1-60, CCW, 48 Frame	A.O. Smith #F48G08A48C
Condenser Fan Motors				
B	**S80-904**	S1-02434672000	Condenser Motor	York
B	**S80-913**	S1-02440906000	Condenser Motor	—
B	**S81-231**	S1-02435582000	Condenser Motor	GE #5SME39HSHE118
B	**S81-547**	S1-02435711000	Condenser Motor, 1/2HP, 208/230V	A.O. Smith #F48Y11A50
B	**S89-266**	S1-02424110713	1/2 HP Fan Motor, 1075 RPM, 208/230V, Single-Phase, CW, 48 Frame	A.O. Smith #F48M28A50
B	**S89-268**	S1-02424110715	3/4 HP Motor, 1050 RPM, 1-Speed, 208/230V, Single-Phase, CW, 48 Frame	A.O. Smith #F48M30A50
B	**S89-484**	S1-1468-216P/A	1/6 HP Fan Motor, 850 RPM, 1-Speed, 208/230V, 1-Phase, CW, 48 Frame	A.O. Smith #324P249, GE #5KCP39FR134A
Draft Inducer Assemblies				
C	**S81-074**	S1-02435322000	Venter Motor	York

Motor Program Module



Order #	Mfg. #	Description
L45-119	S1-32436079446	Module, Programmed, ECM, 1/2 HP

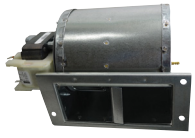
Bearings



Order #	Mfg. #	Description	OEM/OEM Mfg. #
L38-911	S1-02920424700	Pillow Block Bearing	Browning #SSPB-116S4412M Y02
L39-428	S1-02908623700	Rubber Bearing	Peer Bearing Co. #RCSM-16L

Booster Assemblies

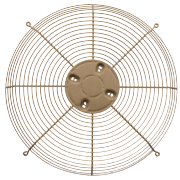
- For use with Coleman and Evcon Equipment


A


B

Fig.	Order #	Mfg. #	Description
A	**X81-391**	S1-7990-6501	Booster Assembly
B	**X81-395**	S1-7995-6451	Booster Assembly

Fan Guard



Order #	Mfg. #	Description
X90-410	S1-02647776000	Fan Guard

Sheaves

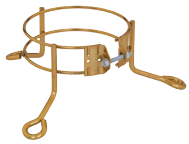


Order #	Mfg. #	OEM/OEM Mfg. #
L39-429	S1-02804807700	York
L39-430	S1-02809985700	Browning Mfg. #AK66X1

Mounting Brackets



A



B



C



D

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
A	**L38-844**	S1-7705-5101	Mounting Bracket	Evcon Industries #821011
B	**S58-800**	S1-32631459000	Motor Mount	Premier #026-31459-000
B	**S81-014**	S1-37319831002	Motor Mounting Kit	York

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
B	**S80-970**	S1-32633198700	Motor Mounting Kit	York
C	**S58-801**	S1-2702-4091	Motor Mount	York
D	**S58-815**	S1-36390117700	Motor Mounting Kit	York #363-90117-700

Fan Blades for Residential Equipment

Note: Individual product images available at www.johnstonesupply.com



Order #	Mfg. #	Description	OEM/OEM Mfg. #
W80-125	S1-02649676000	Fan Propeller 26",CW,3-28 DEG,0.5 IN Bore	—
W80-126	S1-02649677000	Fan Propeller 26" CW,3-30 DEG,0.5 IN Bore	—
W89-263	S1-02631365000	22" 3-Blade Galvanized Prop, 32° Pitch, 1/2" Bore, CW	Lau #60-8965-01
W89-305	S1-02634091000	18", 2-Blade, Aluminum Prop, 24° Pitch, 1/2" Bore, CW	Revcor #T-1802-24
W89-306	S1-02634092000	18", 3-Blade, Aluminum Prop, 34° Pitch, 1/2" Bore, CW	Revcor #T-1803-34
W89-307	S1-02634094000	22", 3-Blade, Aluminum Prop, 34° Pitch, 1/2" Bore, CW	Revcor #T-2203-34
W89-349	S1-02634593000	22", 3-Blade Aluminum Fan Propeller, 30° Pitch, CW Facing Hub, 1/2" Bore	Lau #610385-01
W89-712	S1-02631136000	Fan Propeller 18" Cw 4-23 1/2"Bore	Lau #60931701
W89-720	S1-02639408000	Fan Propeller 22" Cw 3-30 1/2"Bore	York
W89-729	S1-02625511000	Fan Propeller 24" Cw 3-25 1/2" Bore	Lau #60806401
W89-732	S1-02635534000	Fan Propeller 24" CW 4-38 5/8"Bore	Lau #61097201

Fan Blades for Commercial Equipment

Note: Individual product images available at www.JohnstoneSupply.com



Order #	Mfg. #	Description	OEM/OEM Mfg. #
W89-262	S1-02625544000	24" 3-Blade Aluminum Prop, 28° Pitch, 1/2" Bore, CW	Lau #60-9046-01
W89-266	S1-02632173000	22" 3-Blade Galvanized Prop, 34° Pitch, 1/2" Bore, CW	Lau #60-9692-01
W89-267	S1-02632175000	22" 3-Blade Galvanized Prop, 24° Pitch, 1/2" Bore, CW	Lau #61-0064-01
W89-304	S1-02634757000	Fan Blade - 24" 3 Blade	Lau #60-9904-01
W89-308	S1-32634097000	22" Fan Propeller, 2-20, 1/2" Bore, CW	York
W89-346	S1-02633998000	22" 3-Blade Aluminum Fan Propeller, 28° Pitch, CW Facing Air Discharge, 1/2" Bore	Lau #610232-01
W89-348	S1-02634093000	22" 3-Blade Aluminum Fan Propeller, 32° Pitch, CW Facing Hub, 1/2" Bore	Revcor #T2203-23
W89-353	S1-02635587000	24" 3-Blade Aluminum Fan Propeller, 31° Pitch, CW Facing Air Discharge, 1/2" Bore, Set Screw	Lau #611182-01
W91-091	S1-02625553000	30" 3-Blade Steel Prop, 21° Pitch, 5/8" Bore, CW	Lau #60-8791-01
W91-092	S1-02625579000	30" 3-Blade Steel Prop, 18° Pitch, 5/8" Bore, CW	Lau #60-8933-01
W91-093	S1-02631361000	24" 3-Blade Galvanized Prop, 25° Pitch, 1/2" Bore, CW	Lau #60-9528-01

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Blower Wheels


A


B


C

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
Commercial Equipment				
A	**W89-258**	S1-02625529701	12" x 12" Steel Belt Drive Blower Wheel, 1" Bore, Double Inlet, Rev., 43 Blade	Morrison #03-67434
A	**W89-259**	S1-02625529702	15" x 12" Galv. Belt Drive Blower Wheel, 1" Bore, Double Inlet, Rev., 51 Blade	Morrison #03-77415
A	**W89-261**	S1-02625529704	15" x 15" Galv. Belt Drive Blower Wheel, 1" Bore, Double Inlet, Rev., 51 Blade	Lau #051552-02
A	**W91-098**	S1-02634628000	12" x 11" Galvanized Blower Wheel, CW, 5/8" Bore, Double Inlet	Morrison #03-66011
A	**W89-264**	S1-02632088003	11" x 10" Steel Blower Wheel, 1/2" Bore, Single Inlet, CW, 1750 RPM, 54 Blade	Morrison #02161227M
B	**W69-274**	S1-02632623700	4" x 1" SS Blower Wheel, 1/4" Bore, Single Inlet, CCW	Hi Tech Blowers #SR400-2005-624-7
B	**W69-275**	S1-02632624700	4" x 2" SS Blower Wheel, 1/4" Bore, Single Inlet, CCW, 48 Blade	Lau #016111-06M
B	**W69-289**	S1-02632625700	4" x 2" Steel Vent Blower Wheel, 3/8" Bore, Single Inlet, CCW Facing Hub, 26 Blade	Hi Tech Blowers #SR400-200S-625-7
B	**W69-290**	S1-02632626700	4" x 2" Steel Vent Blower Wheel, 3/8" Bore, Single Inlet, CW Facing Hub, 26 Blade	Hi Tech Blowers #SR400-200S-626-7
Residential Equipment				
A	**W89-254**	S1-02619654012	11" x 10" Blower Wheel, 1/2" Bore, Double Inlet, CW, 1750 RPM, 53 Blade	Lau # 2694111
A	**W89-293**	S1-02619654014	11" x 10" Steel Blower Wheel, 1/2" Bore, Double Inlet, CW, 54 Blade	Morrison #03-55043
A	**W89-294**	S1-02619654703	10" x 8" Steel Blower Wheel, 1/2" Bore, Double Inlet, CW, 48 Blade	Morrison #03-43049
A	**W89-295**	S1-02619654705	10" x 10" Steel Blower Wheel, 1/2" Bore, Double Inlet, CW, 48 Blade	Morrison #03-45025
A	**W89-296**	S1-02619654709	11" x 8" Steel Blower Wheel, 1/2" Bore, Double Inlet, CW, 54 Blade	Morrison #03-53015
A	**W89-297**	S1-02634005000	10" x 8" Steel Blower Wheel, 1/2" Bore, Double Inlet, CW, 48 Blade	Morrison #03-43223
A	**W89-581**	S1-02638510000	11" x 11" CW 1/2" Bore 03-56215 Blower Wheel	York
A	**W89-667**	S1-02632627700	10" x 8" Blower Wheel, 1/2" Bore, CCW	York
A	**W89-672**	S1-02616381139	10" x 10" Blower Wheel, 1/2" Bore, CCW	York
A	**W89-861**	S1-02642199000	10" x 10" Blower Wheel, 1/2" Bore, CW	York
A	**W89-668**	S1-02619654011	10" x 9" Blower Wheel, 1/2" Bore, CW	York
C	**W89-255**	S1-02619654702	9" x 6" Steel Blower Wheel, 1/2" Bore, Double Inlet, CW, 1750 RPM, 48 Blade	Morrison #03-31023
C	**W89-299**	S1-02635497000	10" x 7" Steel Blower Wheel, 1/2" Bore, Double Inlet, CW, 48 Blade	Morrison #03-42200
C	**W89-302**	S1-02624050700	10" x 6" Steel Blower Wheel, 1/2" Bore, Double Inlet, CCW, 48 Blade	Morrison #03-41107
C	**W89-342**	S1-02624069700	10" x 7" Steel Blower Wheel, CW, 1/2" Bore, Double Inlet, 1750 RPM, 48 Blade	Lau Ind. #01332503M

Blower Assembly

- For use with Coleman & Evcon equipment

Order #	Mfg. #	Description	OEM/OEM Mfg. #
S81-147	S1-02649695000	Blower Assembly	York

Air Filter

Order #	Mfg. #	OEM/OEM Mfg. #
L87-903	S1-02625535000	York

Shaft



Order #	Mfg. #	OEM/OEM Mfg. #
G80-191	S1-00107115000	York

Condensate Pan Kits


A


B

Fig.	Order #	Mfg. #	Description
A	**B73-569**	S1-32816418000	Black Condensate Pan Kit, 33", 060 BTU
A	**B73-570**	S1-32816419000	Black Condensate Pan Kit, 33", 080 BTU
A	**B73-571**	S1-32816420000	Black Condensate Pan Kit, 33", 100 BTU
A	**B73-572**	S1-32816421000	Black Condensate Pan Kit, 33", 120 BTU
A	**B73-574**	S1-32816422000	Black Condensate Pan Kit, 33", 120 BTU Modulating Only
A	**B73-575**	S1-32816424000	Black Condensate Pan Kit, 33", 40 BTU Variable Speed Only
A	**B76-077**	S1-32816447000	Pan Condensate Kit
A	**B76-078**	S1-32816448000	Pan Condensate Kit
A	**B76-079**	S1-32816449000	Pan Condensate Kit
B	**B86-872**	S1-MR71AA0006	Drain Pan
B	**B86-873**	S1-MR71AA0027	Drain Pan

Hardware

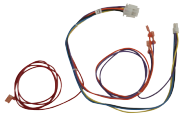

A


B

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
A	**G34-960**	S1-02435738000	Door Switch	York
B	**B16-427**	S1-02814723000	Condenser Trap	York
—	**S59-300**	S1-02322458000	Spacer	York

Wiring and Miscellaneous Accessories


A


B


C


D


E


F


G

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
A	**G32-630**	S1-02526908000	Link, Fusible	Therm-O-Disc #482534 G4P0200152C
B	**G32-631**	S1-02531810001	Wiring Harness for Gas Valve	General Electric
C	**X72-055**	S1-37327803001	Coil Repair Kit	York
D	**G34-544**	S1-02118364000	Fastener	York

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
E	**G34-721**	S1-02118365000	Fastener Latch	York
F	**G34-539**	S1-37325771000	Electric Harness	York
G	**X82-061**	S1-07327827001	Panel Block Off	—
G	**X82-062**	S1-07327827002	Panel Block Off	—
—	**X72-104**	S1-02815229000	Drain Assembly, Blower Exhaust	—

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80% AFUE Manufactured Housing Gas Furnaces

Downflow Sealed Combustion

- ECM Blower
- A/C ready: blower handles up to 4T A/C
- Aluminized steel heat exchanger
- Sealed combustion
- Built-in coil cabinet
- Molded contoured white upper panel
- Pre-painted contoured white lower
- Universal disposal filter
- Zero clearance where space is a premium

Note: When replacing a manufactured housing gas furnace, replace the roof jack as well.



Order #	Mfg. #	BtuH Input	BtuH Output	Nom. CFM	Width	Height	Depth	Wt. Lbs.
L95-451	DGAX056BDTA	56,000	45,000	1,224	19-1/2"	76"	24-3/4"	113
L95-452	DGAX070BDTA	70,000	56,000	1,224	19-1/2"	76"	24-3/4"	118
L95-453	DGAX077BDTA	77,000	62,000	1,224	19-1/2"	76"	24-3/4"	122
L95-454	DGAX090BDTA	90,000	72,000	1,224	19-1/2"	76"	24-3/4"	126

95% AFUE Manufactured Housing Gas Furnaces

Multi-Position, Sealed Combustion

- Aluminized steel primary heat exchanger
- Stainless-steel secondary heat exchanger
- 5-speed, direct drive standard ECM motor
- Self-diagnostics with fault code display standard on integrated control module
- 24V, 40 VA control transformer and blower relay
- Low unit amp requirement
- Electronic hot surface ignition
- Blower door safety switch
- Installed as a two-pipe (sealed combustion) using outdoor combustion air propane (LP) convertible
- Quiet inducer operation



Order #	Mfg. #	BtuH Input	BtuH Output	Nom. CFM	Width	Height	Depth	Wt. Lbs.
L95-563	MM9E060B12MP11	60,000	57,000	1,200	17-1/2"	33"	29-1/2"	122
L95-564	MM9E080B12MP11	80,000	76,000	1,200	17-1/2"	33"	29-1/2"	126
L95-565	MM9E080C16MP11	80,000	76,000	1,600	21"	33"	29-1/2"	136
L95-566	MM9E080C20MP11	80,000	76,000	2,000	21"	33"	29-1/2"	145
L95-567	MM9E100C16MP11	100,000	95,000	1,600	21"	33"	29-1/2"	142

95% AFUE Manufactured Housing Gas Furnaces

CMA4 & CMC2 Series, Downflow, Sealed Combustion

- Natural gas or propane ready
- 4 speed direct drive blower for CMA3 series furnaces
- CMC2 series furnaces are Energy Star approved when using optional ECM blower motor
- Aluminized steel primary heat exchanger
- Stainless steel secondary heat exchanger
- Silicon Nitride igniter
- PVC venting
- Lifetime heat exchanger warranty
- 10-year parts warranty



Order #	Mfg. #	Type	BtuH Input	BtuH Output	Nom. CFM	Width	Height	Depth	Wt. Lbs.
With Coil Cabinet									
L95-837	CMA4-50D36	Without Coil Cabinet	50,000	48,000	1,162	18"	57"	25-3/4"	175
L95-838	CMA4-75D36	Without Coil Cabinet	75,000	72,000	1,259	18"	57"	25-3/4"	185
Without Coil Cabinet									
L95-839	CMC2-50D36	With Coil Cabinet	50,000	48,000	1,162	18-3/4"	76-1/8"	25-3/4"	195
L95-840	CMC2-75D36	With Coil Cabinet	75,000	72,000	1,259	18-3/4"	76-1/8"	25-3/4"	205
L95-841	CMC2-50DV3	With Coil Cabinet	50,000	48,000	1,162	18-3/4"	76-1/8"	25-3/4"	195
L95-842	CMC2-75DV3	With Coil Cabinet	75,000	72,000	1,259	18-3/4"	76-1/8"	25-3/4"	205

Coleman HEATING AND AIR CONDITIONING



Manufactured Housing Electric Furnaces

Downflow & Upflow

- Multi-speed blower
- Built-in coil cabinet
- Coil shelf factory installed
- Thermostat sold separately
- Long lasting nickel chrome heat elements for heating package
- Zero clearance feature allows for installation where space is at a premium
- Louvered door for EBE models
- Solid door for EUE models

Order #	Mfg. #	Nom. kW	BtuH Output	CFM Low @ 0.3" W.C.	CFM High @ 0.3" W.C.	Width	Height	Depth	Wt. Lbs.
EBE Series-Downflow ECM Motor									
L94-162	EBE10A	10	34,000	923	1,515	19-5/8"	51-5/8"	24"	83
L94-164	EBE12A	11.4	39,000	923	1,515	19-5/8"	51-5/8"	24"	84
L94-165	EBE15A	15	51,000	923	1,515	19-5/8"	51-5/8"	24"	85
L94-166	EBE17A	16.4	56,000	923	1,515	19-5/8"	51-5/8"	24"	86
L94-167	EBE20A	19.6	67,000	923	1,515	19-5/8"	51-5/8"	24"	84
L94-168	EBE23A	22.6	77,000	923	1,515	19-5/8"	51-5/8"	24"	86
EUE Series-Upflow ECM Motor									
L94-169	EUE10A	10	34,000	923	1,515	19-5/8"	51-5/8"	24"	83
L94-170	EUE12A	11.4	39,000	923	1,515	19-5/8"	51-5/8"	24"	84
L94-171	EUE15A	15	51,000	923	1,515	19-5/8"	51-5/8"	24"	85
L94-172	EUE17A	16.4	56,000	923	1,515	19-5/8"	51-5/8"	24"	86
L94-173	EUE20A	19.6	67,000	923	1,515	19-5/8"	51-5/8"	24"	84
L94-174	EUE23A	22.6	77,000	923	1,515	19-5/8"	51-5/8"	24"	86

Thermo Pride



Manufactured Housing Oil Furnace

- A/C ready for up to 3 ton cooling
- 16-gauge aluminized steel Octatherm heat exchanger
- Insulated blower compartment
- PSC blower motor
- Easy-access clean-out ports
- Easy access, easy cleaning, permanent, washable filter

Order #	Mfg. #	BtuH Input	BtuH Output	Width	Height	Depth	Wt. Lbs.
L93-708	OME-72D36	70,000	60,000	18"	57"	24-3/4"	240

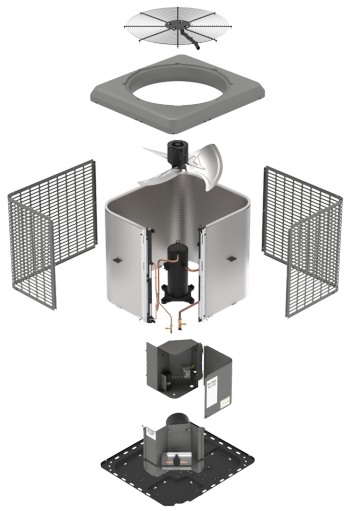
MODEL to PART

Critical Parts When You Need Them

+ Now Added: Trane, Carrier, ICP, and American Standard
+ Featuring Mini-Splits, Residential & Commercial HVAC Equipment
+ Thousands of Original, Aftermarket & Universal Part Options
+ Real-Time Pricing & Availability

Try it Today

Note: Must have a Johnstone Supply account



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Manufactured Housing Coils

- Factory installed TXV valve suitable for A/C or H/P applications



A



B

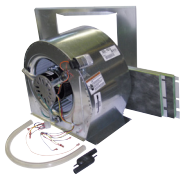
Fig.	Order #	Mfg. #	Metering Device	Suction Fitting	Width	Height	Depth	Wt. Lbs.
Quick Connection								
A	**B78-558**	MHQH3BXX0571	Piston	7/8"	18"	14-3/16"	19-1/2"	27
A	**B78-560**	MHQH3DXX0631	Piston	7/8"	18"	18-1/2"	19-1/2"	33
A	**B78-564**	MHQH4DXX0681	Piston	7/8"	18"	18-1/2"	19-1/2"	40
A	**B78-566**	MHQH4GXX0762	Piston	7/8"	17-29/32"	17-29/32"	19-3/16"	36
A	**B78-562**	MHQR4HXX0761	Piston	7/8"	17-29/32"	19-1/4"	19-3/16"	36
A	**B78-568**	MHQR4GXX0841	Piston	7/8"	18"	19"	20-5/16"	36
A	**B78-559**	MHQH3BXXDTX1	TXV	7/8"	18"	14-3/16"	19-1/2"	28
A	**B78-561**	MHQH3DXXDTX1	TXV	7/8"	18"	18-1/2"	19-1/2"	34
A	**B62-004**	MHQH3DXXYTX1	TXV	7/8"	18"	18-1/2"	19-1/2"	37
A	**B78-877**	MHQH3GXXYTX1	TXV	7/8"	18"	24-1/2"	19-1/2"	34
A	**B78-565**	MHQH4DXXYTX1	TXV	7/8"	18"	18-1/2"	19-1/2"	39
A	**B62-005**	MHQH4GX6YTX1	TXV	7/8"	18"	20"	19-1/2"	—
A	**B78-567**	MHQH4GXXYTX2	TXV	7/8"	17-29/32"	17-29/32"	19-3/16"	36
A	**B78-569**	MHQR4GXXZTX1	TXV	7/8"	18"	19"	20-5/16"	36
A	**B78-563**	MHQR4HXXYTX1	TXV	7/8"	17-29/32"	19-1/4"	19-3/16"	36
Sweat Connection								
B	**B78-570**	MHSH3BXXFLX1	Piston	7/8"	18"	14-3/16"	19-1/2"	28
B	**B78-571**	MHSH3DXXFLX1	Piston	7/8"	18"	18-1/2"	19-1/2"	34
B	**B78-878**	MHSH3GXXFLX1	No Piston/No TXV	7/8"	18"	24-1/2"	19-1/2"	42
B	**B78-573**	MHSH4DXXFLX1	Piston	7/8"	18"	18-1/2"	19-1/2"	38
B	**B78-574**	MHSH4GXXFLX2	Piston	7/8"	17-29/32"	17-29/32"	19-3/16"	33
B	**B61-883**	MHSH4GX6YTX1	TXV	7/8"	18"	20"	19-1/2"	—
B	**B78-575**	MHSR4GXXFLX1	Piston	7/8"	18"	19"	20-5/16"	42
B	**B62-006**	MHSR4EXXYTX1	TXV	7/8"	18"	20-1/2"	20-1/2"	—
B	**B78-572**	MHSR4HXXFLX1	Piston	7/8"	17-29/32"	19-1/4"	19-3/16"	37

Blower Assemblies

For Manufactured Housing Furnaces

- Used to replace existing blower when adding air conditioning to an existing heat only system or 3-1/2 tons or more A/C to a new system
- **B81-555** used when adding 3 tons or less A/C to Coleman gas furnaces that are not A/C ready or MGHA or MMHA series Nordyne gas furnaces, or when adding 3 tons of A/C to DGAT/C or DGAT/D series Coleman furnaces less than 90,000 BtuH input
- **B81-554** used when adding 3.5 or 4 tons of A/C to most existing Coleman or Nordyne/ Intertherm/Miller gas furnaces
- **B82-016** used when adding up to 4 tons of A/C to a new or existing Coleman electric furnace
- **B82-443** used when adding up to 5 tons of A/C to EB/EU only Coleman electric furnaces
- **B82-451** PSC motor used on 5 tons DGAA models only
- No 5 ton A/C blower for DGAX models

Note: Nordyne furnaces require a thermostat sub-base to be fully A/C ready.

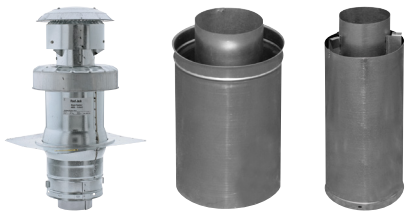


Order #	Mfg. #	Speeds	Nom. Tons	Type	Wt. Lbs.
B81-554	7900-6051/C	3	3-1/2–4	Gas	41
B81-555	7900-6061/A	2	3	Gas	41
B82-443	3500-7901/A	1	5	Electric	48
B82-451	7900-7751	1	5	Gas	42

Roof Jacks

For Coleman and Evcon Gas Furnaces

- Telescopic and adjustable
- For proper fit, measure from the base of the furnace to the flange on the top of the roof
- BOSS sealant (**G37-454**) is the only substance approved for installation of roof jacks; comes in caulk tube ready for use
- External roof jack extension (not shown) **X89-552** allows cap to be raised 18" to exceed peak of roof

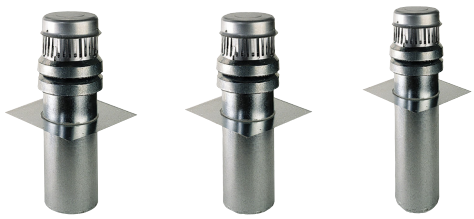


A B C

Fig.	Order #	Mfg. #	Description	Height with DGAA	Height with DGAH	Wt. Lbs.
A	**X89-545**	4000-7101/C	Roof Jack	86" to 95"	70" to 79"	15
A	**X89-546**	4000-7121/C	Roof Jack	91" to 102"	75" to 86"	20
A	**X90-256**	4000-7141/C	Roof Jack	99" to 120"	83" to 104"	26
A	**X90-351**	4000-7151/C	Roof Jack	106" to 132"	90" to 116"	30
A	**X90-484**	4000-8181/C	Roof Jack	115" to 145"	99" to 129"	36
B	**X89-689**	7900A6111	11" Interior Extension	—	—	27
C	**X89-690**	7900A6171	17" Interior Extension	—	—	36
C	**X89-552**	7680B6541	18" Extension	—	—	7

Roof Jacks

- For use with Thermo Pride Manufactured Housing furnaces, CMC/CMA models



A B C

Fig.	Order #	Mfg. #	Description	Wt. Lbs.
A	**X83-057**	TRJ-1	Roof Jack 12"	20
B	**X83-058**	TRJ-2	Roof Jack 13"-24"	22

Fig.	Order #	Mfg. #	Description	Wt. Lbs.
C	**X83-059**	TRJ-3	Roof Jack 25"-36"	22

Adapters

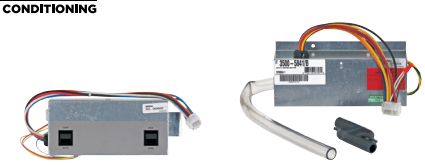
- For use with Thermo Pride Manufactured Housing furnaces

Order #	Mfg. #	Description	For Use With	Wt. Lbs.
L93-719	TSA-25	Adapter Slope 2.5"- 12"	Thermo Pride Manufactured Housing furnaces	7
L93-720	TSA-30	Adapter Slope 3.5" - 12"	Thermo Pride Manufactured Housing furnaces	7

Control Packages

For Manufactured Housing Furnaces

- Used when adding A/C to a manufactured housing furnace not yet A/C ready — not needed on **L96-218** through **L96-221**, **L96-324** through **L96-326**
- **B12-493** manual switch is used to change from heating to cooling
- **B12-494** 4-wire thermostat included



A B

Fig.	Order #	Mfg. #	For Use With	Type	Wiring Style	Wt. Lbs.
A	**B12-493**	7900-6021/B	Coleman, Evcon or Red T (prior to DGAA)	Gas	2-Wire	6
B	**B81-978**	3500-5841/B	Coleman, Evcon or Red T (prior to EB)	Electric	4-Wire	6

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Thermo Pride Manufactured Housing Furnace Accessories

- For use with Thermo Pride Manufactured Housing furnaces



A B C D E

Fig.	Order #	Mfg. #	Description	Wt. Lbs.
A	**L89-974**	70BASE	Combustible Base CMA & OME	27
B	**L92-383**	AOPS7483	Concentric Vent Kit	11
C	**L92-382**	AOPS7484	Dual Pipe Flashing Kit	3
D	**B86-848**	350224-TP	Mini Condensate Pumps	2
E	**L93-709**	01COT-BASE	Cottage Base	40
—	**L93-710**	320095-TP	Neutralizing Kit	4
—	**L93-712**	AOPS7402	Hood Intake, Combustion Air	10
—	**L93-716**	AOPS7512	Roof Jack, Combustion Air Kit	15
—	**L93-717**	AOPS7518	Offset Vent Kit	3
—	**L93-718**	AOPS8419	Boot - Transition with Screen	15
—	**L93-721**	VP-1	Pipe Vent Stainless Steel	7

Coleman Manufactured Housing Accessories



A B C D E

Fig.	Order #	Mfg. #	Description	For Use With
A	**B82-444**	7900-6151	Adaptor Kit to add a 7900-6031/A or the 7900-6061/A Blower to Furnace	DGAA, DGAH, DGPA, DGPH
B	**X89-809**	7900-6771	Furnace A/C Closeoff Damper	DGAA, DFAA, EB
C	**X89-810**	7660-2841	Ceiling Ring	DGAA, DFAAA
D	**L97-130**	3500-7211/A	EB Upflow Kit	EB
E	**B74-055**	9155-835/B	Coil Cabinet MG9S 17-21"	MG9S Gas Furnaces

Duct Connectors

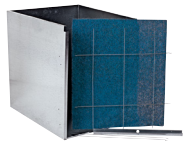
- For Coleman, Evcon, Revolv and Red T Furnaces
- 2" and 7-1/2" lengths; 7-1/2" can be cut to size



Order #	Mfg. #	I.D.	O.D.	Length
L88-062	7990-6271	12" x 14"	17-1/2" x 17-1/2"	7-1/2"
L88-063	7990-6221	12" x 14"	17-1/2" x 17-1/2"	2"

Coil Cabinet with Filter

- Used to house evaporator coil when adding an air conditioner or heat pump to a Nordyne/ Intertherm/Miller electric furnace



Order #	Mfg. #	Wt. Lbs.
B92-935	9536-7411	23

Bullet Orifice



- For use with MHQH & MHSH evaporator coils

Order #	Mfg. #	Description	For Use With
B20-477	S1-MR72AA0076	0.076	MHQH4GXX0762, MHSH4GXXFLX2, MHSR4HXXFLX1

Thermostat



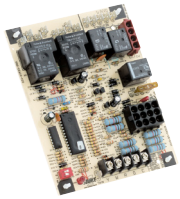
Order #	Mfg. #	Description	For Use With
L39-453	S1-02538252000	Thermostat - Heat only	7956, 7970, 7975, DGPT (056-066), DGRM (056-075), DGRT (056-075), DLRS (056-075)

Ignition Module



Order #	Mfg. #	OEM/OEM Mfg. #
L38-917	S1-1474-0061/A	Robertshaw #100-812-45

Control Module



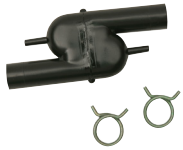
Order #	Mfg. #	Description	OEM/OEM Mfg. #
L38-922	S1-03101932002	Control Module, Furnace	Texas Inst. #23MH3SPPKG

Remote Sensor



Order #	Mfg. #	OEM/OEM Mfg. #
L38-926	S1-7975-388P/A	Precision Speed #PSE-EC6

Condensate Trap

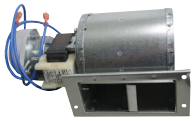


Order #	Mfg. #
G32-643	S1-3240-3051

Booster Assemblies



A



B

Fig.	Order #	Mfg. #	OEM/OEM Mfg. #
A	**L86-769**	S1-37319801821	York
B	**L86-493**	S1-7990-6451	Fasco #7158-1107

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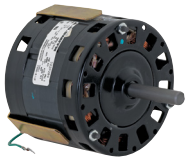
Motors



Order #	Mfg. #	Description	OEM/OEM Mfg. #
S88-933	S1-7966-311P	1/6 HP Blower Motor, 1050RPM, 1-Speed, 115V, Single-Phase, CCW, 42 Frame	A.O. Smith #322P289C
S89-485	S1-1468-2199	Motor, 1550 RPM, 115V	Magnetek Motors #JA2P243-1
S89-491	S1-02440903000	1/3 HP Blower Motor, 950 RPM, 4-Speed, 230V, Single-Phase, CW	—
X89-683	S1-7990-317P/A	Booster Motor, 2950 RPM, 120V, CCW, C-Frame	Fasco #7102-2248
X89-684	S1-7995-3169	Booster Motor, 3000 RPM, 115V, CCW, C-Frame	Fasco #7121-10067

Crown Assemblies



Order #	Mfg. #	Description
L86-482	S1-4000-5441/C	Crown Assembly
X89-738	S1-4000-6941/C	Removable Crown

Tubing



Order #	Mfg. #	Description
B13-614	S1-02811957001	Tubing .250 OD x .012 ID x 1'
R55-977	S1-02812499001	Tubing .313 OD x .188 ID, Ft Gray
R87-813	S1-02815878000	Tubing Black Sq Epdm 3/16x3/8

Switches



A



B



C



D

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
A	**L38-326**	S1-7624A3591	Upper Limit Switch	Therm-O-Disc #60TV15
A	**L38-328**	S1-7970-3281/A	Lower Limit Switch	Texas Inst. #IN-T01EL-2784
A	**L38-329**	S1-7995-3281/A	Lower Limit Switch	Therm-O-Disc #60T11-312490
A	**L38-913**	S1-7975-3281	Fan Switch	Therm-O-Disc #60T82-313675
B	**L39-451**	S1-7681-3301	Rocker Switch	Evcon Industries
C	**L39-445**	S1-7945-3281/A	Limit Switch	Therm-O-Disc #60T82-201707

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
C	**L39-446**	S1-7990-3591	Limit Switch	Texas Inst. #IN-T01EL-2782
C	**L39-447**	S1-02535358000	Limit Switch	Texas Inst. #IN-T08EL-4052
C	**L39-448**	S1-02535380000	Conquest Limit Switch	Texas Inst. #60T11-312489
C	**L39-449**	S1-02535381000	Limit Switch	Evcon Industries
D	**L45-742**	S1-32435972000	Pressure Switch	Honeywell #IS20437-6083

Heating Elements

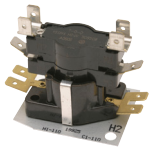
Order #	Mfg. #	Description	OEM/OEM Mfg. #
L86-568	S1-3500-406P/A	Heating Element	Tutco #10-7363-00
L86-569	S1-3500-410P/A	Heating Element	Tutco #10-7361-00

Relay



Order #	Mfg. #	OEM/OEM Mfg. #
L39-442	S1-S90-380	Products Unlimited #9400Y13Q139

Sequencers



A



B



C

Fig.	Order #	Mfg. #	Description	OEM/OEM Mfg. #
A	**L39-439**	S1-02435341000	Sequencer	Therm-O-Disc #15SH-41-309509 and White-Rodgers #24A53-112
B	**L39-438**	S1-3110-3571	Sequencer	Therm-O-Disc #15SH4-309508
B	**L39-440**	S1-3120A3571	Sequencer	Evcon Industries #15SH44-309510
C	**L39-441**	S1-7670-3071	Sequencer	Therm-O-Disc #12510-304982

Flame Sensor



Order #	Mfg. #	OEM/OEM Mfg. #
L39-452	S1-02535354000	Precision Speed PSE-E11

Burner Assembly



Order #	Mfg. #	Description	OEM/OEM Mfg. #
L86-764	S1-37319801403	Auto Ignition Burner Assembly	373-19801-403

Filter



Order #	Mfg. #	Description	OEM/OEM Mfg. #
B82-074	S1-7660-3401	19-3/8" x 35-3/4" x 3/4" Heating Blower Filter	Buckley Industries

Gas Orifices



Order #	Mfg. #	Description	OEM/OEM Mfg. #
B13-612	S1-02920423055	Burner Gas Orifice Drill, Size 55 .052	Byron Valve and Machine Co.
B13-613	S1-9951-0821	Burner Gas Orifice Drill, Size 45 .082	Chatleff Controls Inc. #50070820000000
B14-623	S1-9951-1541	Burner Gas Orifice Drill, Size 23 0.154	50071540000000
B14-625	S1-9951-1611	Burner Gas Orifice Drill, Size 20 0.161	50071610000000
B14-621	S1-9951-1361	Burner Gas Orifice Drill, Size 29 0.136	50071360000000
B14-624	S1-9951-0981	Burner Gas Orifice Drill, Size 40 0.098	50070980000000
B14-626	S1-9951-1061	Orifice .106 Diameter	NA
B14-627	S1-9951-1801	Burner Gas Orifice Drill, Size 15 0.180	5007180000000

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Heat Exchangers



Order #	Mfg. #	Description
L97-132	S1-37323792001	Heat Exchanger
L97-133	S1-37323792002	Heat Exchanger
L97-134	S1-37323792003	Heat Exchanger

Maytag Manufactured Housing Furnaces

80% AFUE Manufactured Housing Gas Furnaces

Downflow, Hot Surface Ignition

- Sealed combustion system
- 4 ton A/C ready
- Drum heat exchanger
- Fully insulated cabinet
- Easy open pawl latch
- Large, effective air filter
- Reliable burner



Order #	Mfg. #	Type	BtuH Input	BtuH Output	Nom. CFM	Width	Height	Depth	Wt. Lbs.
Without Coil Cabinet									
L60-643	MG1E-056F1AAM2	Without Coil Cabinet	56,000	45,000	829	20"	56"	23-3/4"	157
L60-644	MG1E-070F1AAM2	Without Coil Cabinet	70,000	57,000	1,079	20"	56"	23-3/4"	157
L60-645	MG1E-077F1AAM2	Without Coil Cabinet	77,000	62,000	1,079	20"	56"	23-3/4"	157
L60-646	MG1E-090F1AAM2	Without Coil Cabinet	85,000	68,000	1,054	20"	56"	23-3/4"	157
With Coil Cabinet									
L60-647	MG1E-056F1ABM2	With Coil Cabinet	56,000	45,000	829	20"	76"	23-3/4"	171
L60-648	MG1E-070F1ABM2	With Coil Cabinet	70,000	57,000	1,079	20"	76"	23-3/4"	171
L60-649	MG1E-077F1ABM2	With Coil Cabinet	77,000	62,000	1,079	20"	76"	23-3/4"	171
L60-650	MG1E-090F1ABM2	With Coil Cabinet	85,000	68,000	1,054	20"	76"	23-3/4"	171

95% AFUE Manufactured Housing Gas Furnaces

Downflow, Direct Vent, Sealed Combustion

- Tubular primary heat exchanger
- Stainless steel secondary heat exchanger
- 30 second blower delay
- 30 second post purge
- Hot surface igniter
- 60 second fixed cooling cycle blower-off delay
- Quiet operation
- 3 amp fuse protection against low voltage shorts
- LP convertible
- Fully insulated cabinet



A



B

Fig.	Order #	Mfg. #	Type	BtuH Input	BtuH Output	Nom. CFM	Width	Height	Depth	Wt. Lbs.
Front Louvered Return										
A	**L61-996**	MG2R-045F1ACM2	With Coil Cabinet	45,000	42,750	750	19-7/8"	76"	24-5/8"	170
A	**L61-997**	MG2R-060F1ACM2	With Coil Cabinet	60,000	57,000	1,069	19-7/8"	76"	24-5/8"	170
A	**L61-998**	MG2R-072F1ACM2	With Coil Cabinet	72,000	68,400	1,103	19-7/8"	76"	24-5/8"	175
Top Return										
B	**L61-999**	MG2R-045T1ACM2	With Coil Cabinet	45,000	42,750	1,018	19-7/8"	76"	24-5/8"	170
B	**L62-001**	MG2R-060T1ACM2	With Coil Cabinet	60,000	57,000	1,040	19-7/8"	76"	24-5/8"	170
B	**L62-002**	MG2R-072T1ACM2	With Coil Cabinet	72,000	68,400	1,464	19-7/8"	76"	24-5/8"	175

95% Manufactured Housing Gas Furnaces

VMA Series, Downflow, Sealed Combustion



- LP convertible
- AC Ready: 50K-3.5 Ton & 75K-4 Ton
- 4-speed direct drive blower
- Sealed combustion design provides draws combustion air from the outside
- 18-Gauge aluminum coated primary heat exchanger
- 24C stainless steel secondary heat exchanger
- Silicon Nitride ignitor
- Fits standard manufactured housing furnaces footprint
- Limited lifetime heat exchanger and 5 year parts warranties

Order #	Mfg. #	BtuH Input	BtuH Output	Nom. CFM	Width	Height	Depth	Wt. Lbs.
L95-826	VMA4-50D36N	50,000	48,000	1,162	18"	57"	25-3/4"	175
L95-827	VMA4-75D36N	75,000	72,000	1,259	18"	57"	25-3/4"	185

95% AFUE Manufactured Housing Gas Furnaces

VMC Series, Downflow, Sealed Combustion



- Fully insulated cabinet
- Convertible gas valves
- Silicon Nitride ignitor
- New integrated coil box
- 4-speed direct drive blower
- 18-gauge aluminum coated primary heat exchanger
- Concentric vent kit
- Stainless steel secondary heat exchanger
- 2-piece top allows easy installation of vent pipes
- 22-gauge powder coated cabinet
- Shipped for natural gas, easily converted for propane
- Lifetime heat exchanger warranty

Order #	Mfg. #	BtuH Input	BtuH Output	Nom. CFM	Width	Height	Depth	Wt. Lbs.	Energy Star
3.5T ECM									
L95-828	VMC2-50D36N	50,000	48,000	1,162	18-3/4"	76-1/8"	25-3/4"	220	Y
L95-829	VMC2-75D36N	75,000	72,000	1,259	18-3/4"	76-1/8"	25-3/4"	220	Y
4T ECM									
L95-830	VMC2-50DV3N	50,000	48,000	1,265	18-3/4"	76-1/8"	25-3/4"	220	Y
L95-831	VMC2-75DV3N	75,000	72,000	1,177	18-3/4"	76-1/8"	25-3/4"	220	Y

96% AFUE Manufactured Housing Gas Furnaces

Downflow, Two-Stage, Direct Vent, Sealed Combustion



- Tubular primary heat exchanger
- Stainless steel secondary heat exchanger
- 2-Stage gas valve
- 30 second blower delay
- 30 second post purge
- Hot surface igniter
- 60 second fixed cooling cycle blower-off delay
- AC-Ready options include a factory-installed 20"H coil box and an FER-compliant ECM blower, for up to 4T nominal cooling
- LP conversion (parts included)
- Fully insulated cabinet

Order #	Mfg. #	BtuH Input	BtuH Output	Width	Height	Depth	Wt. Lbs.
Front Louvered Return							
L95-643	MG2S-045F2ABM2	45,000	43,200	19-7/8"	76"	24-5/8"	177
L95-644	MG2S-060F2ABM2	60,000	57,600	19-7/8"	76"	24-5/8"	177
L95-645	MG2S-072F2ABM2	72,000	69,100	19-7/8"	76"	24-5/8"	184
Top Return							
L95-646	MG2S-045T2ABM2	45,000	43,200	19-7/8"	76"	24-5/8"	177
L95-647	MG2S-060T2ABM2	60,000	57,600	19-7/8"	76"	24-5/8"	177
L95-648	MG2S-072T2ABM2	72,000	69,100	19-7/8"	76"	24-5/8"	184

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Manufactured Housing Electric Furnaces

- From 1-1/2 to 4 ton AC ready
- Downflow, upflow & multi-position configuration
- Built in full sized coil cabinet
- Built in circuit breakers
- Fully insulated cabinet
- Nichrome heating elements
- Control board allows for 16 blower speeds
- Heating relays provide quiet operation
- E7ED & E7EU models comes with factory installed coil cabinets



Order #	Mfg. #	Nom. kW	BtuH Output	CFM Low @ 0.3" W.C.	CFM High @ 0.3" W.C.	Width	Height	Depth	Wt. Lbs.
Multi-position - Without Coil Cabinet									
L95-655	E7EM-010H2	10	35,000	606	692	20"	29"	24-1/2"	75
L95-656	E7EM-012H2	12	41,000	779	865	20"	29"	24-1/2"	75
L95-657	E7EM-015H2	15	53,000	938	1,011	20"	29"	24-1/2"	94.5
L95-658	E7EM-017H2	17	57,000	1,084	1,130	20"	29"	24-1/2"	75
L95-659	E7EM-020H2	20	70,000	1,178	1,125	20"	29"	24-1/2"	75
L95-660	E7EM-023H2	23	75,000	1,278	1,330	20"	29"	24-1/2"	75
Downflow - With Coil Cabinet									
L95-649	E7ED-010H2	10	35,000	606	692	20"	60-5/8"	24-1/2"	112
L95-650	E7ED-012H2	12	41,000	779	865	20"	60-5/8"	24-1/2"	112
L95-651	E7ED-015H2	15	53,000	938	1,011	20"	60-5/8"	24-1/2"	116.5
L95-652	E7ED-017H2	17	57,000	1,084	1,130	20"	60-5/8"	24-1/2"	112
L95-653	E7ED-020H2	20	70,000	1,178	1,125	20"	60-5/8"	24-1/2"	116
L95-654	E7ED-023H2	23	75,000	1,278	1,330	20"	60-5/8"	24-1/2"	112
Upflow - With Coil Cabinet									
L95-661	E7EU-010H2	10	35,000	606	692	20"	60-5/8"	24-1/2"	112
L95-662	E7EU-012H2	12	41,000	779	865	20"	60-5/8"	24-1/2"	112
L95-663	E7EU-015H2	15	53,000	938	1,011	20"	60-5/8"	24-1/2"	112
L95-664	E7EU-017H2	17	57,000	1,084	1,130	20"	60-5/8"	24-1/2"	112
L95-665	E7EU-020H2	20	70,000	1,178	1,125	20"	60-5/8"	24-1/2"	112
L95-666	E7EU-023H2	23	75,000	1,278	1,330	20"	60-5/8"	24-1/2"	112

Manufactured Housing Oil Furnaces

- Sealed combustion system
- 3 ton A/C ready; 4 & 5 Ton upgrades
- Easy open pawl latch
- Large, effective air filter
- High efficiency drum heat exchanger
- Fully insulated cabinet
- Reliable burner



Order #	Mfg. #	Type	BtuH Input	BtuH Output	Width	Height	Depth	Wt. Lbs.
Without Coil Cabinet								
L95-785	M5SB-066A-AW2	Without Coil Cabinet	66,000	56,000	19-3/4"	56"	23-3/4"	151
L95-786	M5SB-086A-AW2	Without Coil Cabinet	86,000	73,000	19-3/4"	76"	23-3/4"	158
With Coil Cabinet								
L95-787	M5SB-066A-BW2	With Coil Cabinet	66,000	56,000	19-3/4"	56"	23-3/4"	165
L95-788	M5SB-086A-BW2	With Coil Cabinet	86,000	73,000	19-3/4"	76"	23-3/4"	173

Roof Jacks

- For Maytag MG1E Furnaces
- **X93-077** through **X93-079** have 2.5/12 pitch
- **X90-080** through **X93-083** have 4/12 pitch



Order #	Mfg. #	Description	Wt. Lbs.
X93-077	903662	Roof Jack 21" - 35"	22.6
X93-078	903663	Roof Jack 27" - 47"	26.5
X93-079	903664	Roof Jack 35" - 63"	32
X93-080	903676A	Roof Jack 51" - 95"	30

Order #	Mfg. #	Description	Wt. Lbs.
X93-081	903678A	Roof Jack 27" - 47"	27
X93-082	903665A	Roof Jack 35" - 63"	33
X93-083	903666A	Roof Jack 51" - 95"	30

Flue Extensions

- Used with MG1E and M5SB Furnaces



Order #	Mfg. #	Description	Wt. Lbs.
X83-060	901935	Flue Extensions 10", Interior	2.69
X83-061	903107	Flue Extensions 18", Interior	5
X83-062	901937	Flue Extensions 16", Exterior	4.6

Duct Connectors

- For use with MG1E, MG2S, MG2R, E7E Furnaces

Order #	Mfg. #	Length
X83-063	901987A	11-1/4" X 13-1/2" X 7/8"
X83-064	901988A	11-1/4" X 13-1/2" X 2"
X83-065	901989A	11-1/4" X 13-1/2" X 4-1/2"
X83-066	901990A	11-1/4" X 13-1/2" X 6-1/4"

Order #	Mfg. #	Length
X83-067	901991A	11-1/4" X 13-1/2" X 8-1/4"
X83-068	901992A	11-1/4" X 13-1/2" X 10-1/4"
X83-069	901993A	11-1/4" X 13-1/2" X 12-1/4"

Blower Assemblies

For Manufactured Housing Furnaces



A



B



C

Fig.	Order #	Mfg. #	Description	Nom. Tons	Type	Wt. Lbs.
A	**B86-900**	902993	Blower Assembly	2-4	Electric	27
B	**B86-901**	1888120854D	Blower Electric	4	Electric	44
C	**B86-903**	08250003	Blower X14	4	Electric	36
—	**B86-896**	903773	Blower 8In	—	Gas	40
—	**B86-897**	902809	Blower 10 X 7	3-1/2	Gas	28
—	**B86-902**	08250002	Blower X13	4	Electric	36
—	**B86-904**	903890	Blower 5T	5	Gas/Oil	35
—	**B86-905**	902985	Blower Furnace Electric	5	Electric	35
—	**B86-906**	903413	Blower 8In 4T	4	Gas/Oil	33

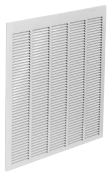
Coil Cabinets



A



B



C

Fig.	Order #	Mfg. #	Description	For Use With	Wt. Lbs.
A	**B78-744**	922594	Coil Cabinet	RG1, RG7, MG1E, MG2R, MG2S	35
A	**B78-976**	911969A	Coil Cabinet White	RG1, RG7, MG1E, MG2R, MG2S	38
B	**B78-977**	13010001	Coil Cabinet	E2, E4	33
C	**B78-978**	13010002	Coil Cabinet	E2, E4	33
—	**X93-290**	1006731	Coil Cabinet Louvered	E2, E3, E4, E6, RE9X, E7	35
—	**X93-291**	1006730	Coil Cabinet Solid Door	E2, E3, E4, E6, RE9X, E7	38

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Manufactured Housing Single Packaged Air Conditioners

14 SEER, 2 To 5 Ton, Single-Phase, R410A

- High pressure switch
- Micro-Channel Aluminum coil
- ECM blower motor
- PSC condenser motor
- Polyester urethane coat finish
- Optional electric heat
- 208/230V



Order #	Mfg. #	Nom. Tons	Width	Height	Depth	Wt. Lbs.
B78-787	RPC1424	2	35"	22-1/5"	49"	242
B78-788	RPC1430	2-1/2	35"	22-1/5"	49"	248
B78-789	RPC1436	3	35"	22-1/5"	49"	242
B78-790	RPC1442	3-1/2	35"	30-1/5"	49"	297
B78-791	RPC1448	4	35"	30-1/5"	49"	300
B78-792	RPC1460	5	35"	34-1/5"	49"	325

Manufactured Housing Single Packaged Heat Pumps

14 SEER, 2 To 5 Ton, Single-Phase, R410A

- High/low pressure switch
- Micro-Channel Aluminum coil
- Polyester urethane coat finish
- Optional electric heat
- Outdoor thermostat
- 208/230V



Order #	Mfg. #	Nom. Tons	Width	Height	Depth	Wt. Lbs.
B78-793	RPH1424	2	35"	30-1/5"	49"	277
B78-794	RPH1430	2-1/2	35"	30-1/5"	49"	281
B78-795	RPH1436	3	35"	30-1/5"	49"	277
B78-796	RPH1442	3-1/2	35"	30-1/5"	49"	288
B78-797	RPH1448	4	35"	38-1/5"	63"	346
B78-798	RPH1460	5	35"	38-1/5"	63"	375

Manufactured Housing Coils

Tube-In-Fin , R410A

- Designed to work with Revolv condensers and Manufactured Housing furnaces
- Mounted TXV sensor bulb
- Factory installed TXV for R410A
- Built-in coil strainer for protection
- Leak tested to 500 p.s.i.
- Dry-type pan does not maintain standing water
- Kit contains drain hose, fittings and cover plates for gas/oil furnace

Note: Acceptable for downflow only in oil fired furnaces.



Order #	Mfg. #	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
Sweat Connections							
B77-703	1829S4A	3/8"	3/4"	18"	18-1/2"	19-5/8"	30
B99-272	1830S4A	3/8"	3/4"	18"	14"	19-5/8"	26
B99-273	1836S4A	3/8"	3/4"	18"	18"	19-5/8"	36
B77-705	1837S4A	3/8"	3/4"	18"	20-1/2"	20-1/2"	40
B77-706	1841S4A	3/8"	3/4"	18"	24-1/2"	19-5/8"	45
B73-589	1844S4A	3/8"	3/4"	18"	18-1/2"	19-5/8"	36
B77-707	1847S4A	3/8"	7/8"	18"	22-1/2"	19-5/8"	45
B74-053	1851S4A	3/8"	7/8"	18"	19"	21"	36
B99-275	1854S4A	3/8"	7/8"	18"	18-1/2"	19-5/8"	39
B74-054	1855S4A	3/8"	7/8"	18"	20-1/2"	19-5/8"	47
B99-276	1856S4A	3/8"	7/8"	18"	24-1/2"	19-5/8"	47
Quick Connections							
B73-294	1836M4A	#6 & #11	—	18"	18"	19-5/8"	35
B73-296	1854M4A	#6 & #11	—	18"	18-1/2"	19-5/8"	41
B74-052	1855M4A	#6 & #11	—	18"	20-1/2"	19-5/8"	39

Manufactured Housing Coils, Micro-Channel



- Mounted TXV sensor bulb
- Sweat Fit or Quick Connections (AccuCharge®)
- Factory installed TXV valve suitable for A/C or H/P applications
- Coil has built-in strainer for coil protection
- UL listed and leak tested to 500 p.s.i. Code approved 2 opening drain pan
- Dry type pan does not maintain standing water
- Kit contains drain hose, fittings, and furnace cover plates for gas/oil furnace

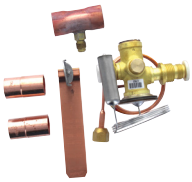
Order #	Mfg. #	Nom. Tons	Metering Device	Liquid Conn.	Suction Fitting	Width	Height	Depth	Wt. Lbs.
Quick Connection									
B66-973	C84QAMX24U-B	2	TXV	3/8"	3/4"	18-1/8"	18"	19-1/2"	25
B66-974	C84QAMX30U-B	2-1/2	TXV	3/8"	3/4"	18-1/8"	18"	19-1/2"	24
B66-975	C84QAMX36U-B	3	TXV	3/8"	3/4"	18-1/8"	18"	19-1/2"	19.8
B66-976	C84QAMX42U-B	3-1/2	TXV	3/8"	7/8"	18-1/8"	18"	19-1/2"	24.2
B66-977	C84QAMX43U-B	3-1/3	TXV	3/8"	7/8"	18-1/8"	25"	19-1/2"	24.2
B66-978	C84QAMX48U-B	4	TXV	3/8"	7/8"	18-1/8"	25"	19-1/2"	24.4
B66-979	C84QAMX49U-B	4	TXV	3/8"	7/8"	18-1/8"	29"	19-1/2"	33
Sweat Connection									
B66-966	C84DAMX24U-B	2	TXV	3/8"	3/4"	18-1/8"	18"	19-1/2"	24
B66-967	C84DAMX30U-B	2-1/2	TXV	3/8"	3/4"	18-1/8"	18"	19-1/2"	24
B66-968	C84DAMX36U-B	3	TXV	3/8"	3/4"	18-1/8"	18"	19-1/2"	24
B66-969	C84DAMX43U-B	3-1/2	TXV	3/8"	7/8"	18-1/8"	25"	19-1/2"	23.3
B66-970	C84DAMX48U-B	4	TXV	3/8"	7/8"	18-1/8"	25"	19-1/2"	23.9
B66-971	C84DAMX49U-B	4	TXV	3/8"	7/8"	18-1/8"	29"	19-1/2"	33
B66-972	C84DAMX60U-B	5	TXV	3/8"	7/8"	18-1/8"	29"	19-1/2"	34

Tube-In-fin R410A TXV Valve Kits



Order #	Mfg. #	For Use With	Wt. Lbs.
B17-044	18R72DB0004	2.5 - 5 Ton Revolv R410A Fin-In-Tube Manufactured Coils	1.05
B17-045	18R72DB0003	1.5 - 3 Ton Revolv R410A Fin-In-Tube Manufactured Coils	1.05

Micro-Channel R410A TXV Kits 2.5 To 5 Ton



Order #	Mfg. #	Description	Wt. Lbs.
B20-523	920669A	TXV Kit R410A 2.5T	1.25
B20-524	920668A	TXV Kit R410A 2T	1.25
B20-525	920671A	TXV Kit R410A 3.5T	1.28
B20-526	920670A	TXV Kit R410A 4T	1.4
B20-527	920672A	TXV Kit R410A 4T	1.6
B20-528	920673A	TXV Kit R410A 5T	1.57

Circuit Breaker



Order #	Mfg. #	Description
X82-648	917895	Circuit Breaker Box

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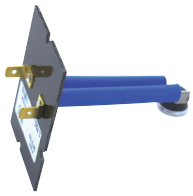
Limit Switches


A


B



C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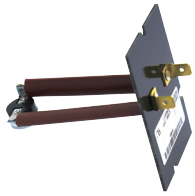
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Fig.	Order #	Mfg. #	Description
A	**L46-409**	626600R	Main Air Limit
A	**L46-410**	626601R	Main Air Limit
A	**L46-411**	626605	Rollout Limit
A	**L46-412**	626599R	Vent Limit
A	**L46-416**	626602R	Limit Switch
A	**L47-629**	626598R	Limit Switch
A	**L47-630**	626614R	Limit Switch
A	**L47-639**	626343R	Limit Switch
B	**L46-337**	626458R	Limit, 3/4D, 2S, OR,190/140
B	**L46-616**	626391R	Replacement, Control, Limit 140
B	**L46-617**	626341R	Replacement, Control, Limit 155F
B	**L46-618**	626279R	Replacement, Control, Limit 140F
B	**L46-619**	626352R	Replacement, Limit, 1/2D, 1S,OR250

Fig.	Order #	Mfg. #	Description
B	**L46-620**	626336R	Replacement, Control, Limit 160F
B	**L46-621**	626619R	Replacement, Limit, 1/2D, 140/100
B	**L46-622**	626468R	Replacement, Fan Control
B	**L46-623**	626337R	Replacement, Fan, Control 115F
B	**L46-624**	626338R	Replacement, Control, Limit
B	**L47-631**	626610R	Limit Switch
B	**L47-638**	626350R	Limit Switch
C	**L47-633**	626418R	Limit Switch
D	**L47-634**	626432R	Limit Switch
E	**L47-635**	626424R	Limit Switch
F	**L47-636**	626434R	Limit Switch
F	**L47-637**	626419R	Limit Switch
—	**L47-632**	626613R	Limit Switch

Pressure Switches



Order #	Mfg. #	Description
L46-349	1010775R	Pressure Switch, NO D 0.20
L46-413	632622R	Pressure Switch, NO, 1.20
L46-414	632624R	Pressure Switch, NO, 0.70
L47-640	632489R	Pressure Switch NO 0.70
L47-641	632491R	Pressure Switch NO 1.50

Relays



Order #	Mfg. #	Description
L46-341	01-0157	Relay, Fan, 24V Coil SPST NO+NC
L46-373	622181R	Relay, Time-Delay, 40 Sec Off
L47-625	1017207	Blower Relay Kit SPST 30@240 24V
L47-626	01-0145	Relay 24V SPST-NO

Accumulator



Order #	Mfg. #	Description
B86-043	668793R	Accumuator, 4" D, 3/4", 80 IN3

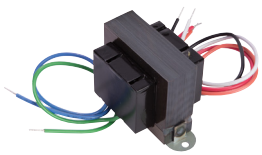
Sequencers

- For use with Nortek Residential and MH Equipment



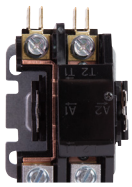
Order #	Mfg. #	Description
L47-643	01-0842	Sequencer 1-110 On, 1-110 Off
L47-644	01-0841	Sequencer

Transformers



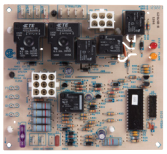
Order #	Mfg. #	Description
L46-353	01-0190	Transformer, 40VA, Multi/24V Open Frame
L46-360	622334	Transformer, 240/24V, 30VA, 60HZ
L46-408	622341R	Transformer, 120/24V, 40VA, 60HZ
L47-646	622337	Transformer 120/24V, 40VA, 60HZ

Contactors



Order #	Mfg. #	Description
G36-370	1014865R	Contactor, 1P, 40A, 24V Coil
G36-675	01-0112	Contactor 1 Pole 30AMP 24V
G36-677	01-0121	Contactor 2 Pole 40 Amp 24V

Control Boards



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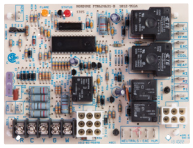

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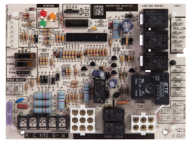

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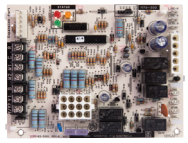

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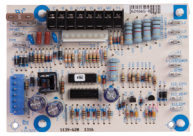

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Fig.	Order #	Mfg. #	Description
A	**L46-329**	903429	Control, Integrated UTECH
B	**L46-330**	903106	Integrated Control Assembly UTECH
B	**L46-339**	624753	R7184B, Control, Comb, Oil, HW 7505B1500U
B	**L46-375**	920915	Replacement Control, 1-ST, G7
B	**L47-623**	624736R	Board Control 2Stage B6
C	**L46-362**	904532	Fru, PCB, B4/B5, X13

Fig.	Order #	Mfg. #	Description
C	**L46-363**	904531	Fru, Control, PCB, B5
C	**L46-376**	920916	Replacement Control, 2-ST, G7
D	**L46-378**	920994	Replacement Control, Blower-CFM
E	**L46-379**	903915A	Replacement Control Board, AH
E	**L47-622**	1016380R	Control Board 1-Stage B6

Igniters



A



B



C



D

Fig.	Order #	Mfg. #	Description
A	**L46-367**	1017743S	Kit, Igniter, SINI With Bracket G7
A	**L49-569**	1016290S	Igniter, SINI, CMF95/M7
B	**L46-368**	903179	Kit, Replacement Igniter, 208/230V
C	**L47-624**	902499	Igniter
D	**L46-333**	902661A	Igniter Assembly With Plug
D	**L46-345**	903110A	Replacement Igniter Kit With Plug

Burner



Order #	Mfg. #	Description
L81-152	661135R	Burner, 3.0X4.5, CMF95/M7

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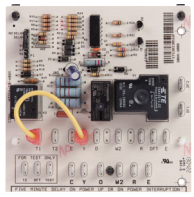
Manifold



Order #	Mfg. #	Description
L81-153	664639R	Gas Manifold, 3, CMF95/M7

Defrost Controls



Order #	Mfg. #	Description
B18-340	917178A	Defrost Board Replacement, Kit

Order #	Mfg. #	Description
B18-353	920338	Defrost Board, Adaptive

Sensors



Order #	Mfg. #	Description
L46-365	903600	Kit, Flame Sensor Replacement
L47-627	626488R	Defrost Sensor
L47-628	632484R	Flame Sensor G7

Gas Valves



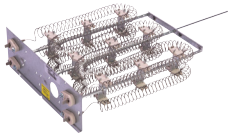
Order #	Mfg. #	Description
L46-335	1046626	Kit, Conv, Honeywell Gas Valve
L46-366	904081	Kit, Gas Valve, Honeywell VR8205S
L47-642	624775R	Gas Valve VR8215S1289

Heat Exchanger



Order #	Mfg. #	Description
L92-104	902808	CMF Heat Exchanger, Replacement, 5

Electric Heat Elements



Order #	Mfg. #	Description
L92-105	902821	Element Assembly 10KW-E1
L92-106	902824	Element Assembly 11.6KW-E1

Order #	Mfg. #	Description
L92-107	902818	Element Assembly 5KW-E1

Refrigerant Valves

- For use with Nortek Residential & Manufactured Housing equipment



A B

Fig.	Order #	Mfg. #	Description
A	**B19-039**	663862R	Refrigerant Valve 3/8IN Captive
B	**B19-040**	663864R	Refrigerant Valve 3/4IN Captive
B	**B19-041**	663865R	Refrigerant Valve 7/8IN Captive

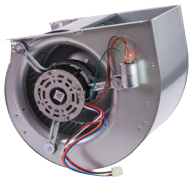
Motors



Order #	Mfg. #	Description
S81-731	903075	Motor Replacement E2 4 SP
S81-732	903433	Motor Replacement, 1/2HP, 4 SP
S81-733	M0090920R	Motor Blower DM2XF 3/4 HP Programmable
S81-734	M0090914R	Motor Blower DM2XF 1/2 HP Programmable
S81-736	622212	Mtr, Blw, PSC, K, 1/4, 6P, 2S
S81-737	621720	Mtr, Blw, PSC, K, 1/8, 6P, 1S
S81-738	622066	Mtr, Fan, PSC, K, 1/4, 6P, 1S
S81-739	621721	Mtr, Fan, PSC, K, 1/4, 6P, 1S
S81-741	621917	Mtr, Fan, PSC, K, 1/4, 6P, 1S
S81-742	621911	Mtr,Fan,PSC,K,1/4,8P,1S
S81-743	621912	Mtr,Fan,PSC,K,1/4,8P,1S
S81-744	622080	Mtr ,Fan, PSC, K, 1/5, 8P, 1S
S81-747	902128	Replacement, Motor 1/2HP 4SP 120V
S81-748	903404	Replacement Combustion Fan, M1
S81-749	M0092616R	Fru, Motor, AH, VS, 1/2, B
S81-750	M0092617R	Fru, Motor, AH, VS, 3/4, C
S81-751	M0021808R	Fru, Motor, AH, X13
S81-752	M0090901R	Motor, Prog, X13, 1/2, B5BW
S81-757	621831	Mtr, Blw, PSC, K, 1/2, 6P, 3S
S81-758	622261	Mtr, Blw, PSC, K, 1/2, 6P, 3S
S81-759	621939	Mtr, Blw, PSC, K, 1/3, 6P, 2S

Order #	Mfg. #	Description
S81-760	621830	Mtr, Blw, PSC, K, 1/3,6P, 3S
S81-761	622196	Mtr, Blw, PSC, K, 1/3, 6P, 3S
S81-765	621891	Mtr, Blw, PSC, K, 3/4, 6P, 3S
S81-766	622749	Mtr, Blw, VS, A, 3/4, G6R/KT
S81-770	922028	Mtr, Fan, FTV, K, 1/3, 3S, CWLE
S81-771	621919	Mtr, Fan, PSC, K, 1/10, 6P, 1S
S81-775	622018	Mtr, Fan, PSC, K, 1/4, 6P, 2S
S81-779	622164	Mtr, Fan, PSC, K, 1/8, 6P, 1S
S81-780	621918	Mtr, Fan, PSC, K, 1/8, 6P, 1S
S81-781	622171	Mtr, Fan, PSC, K, HP1/8, 8P,1S
S81-785	1003442	Replacement, Inducer, 90, T Assembly G7
S81-787	622684	Replacement, Motor, High Efficiency, 3/4HP
S81-791	902346	Replacement, Motor 3/4HP 4SP 120V
S81-792	904858	Replacement Motor, 1/2HP,4SP
S81-793	904085	Inducer, Replacement Kit, L1 90+
S81-795	904859	Replacement Motor, 1/2HP, 4SP
S81-797	921494	Replacement, Inducer, CMF95/M7
S82-234	M0090902R	Motor Blower 1/2HP 10X10
S82-235	904860	Motor Blower 1HP 4SPEED
S82-237	01-0161	Motor Fan 1/4HP 6P 1S Rev
X82-564	903979	Inducer, Replacement Kit

Blower Assemblies



Order #	Mfg. #	Description
X82-522	921490	Blower Assembly MH 1/2 11x8 3T
X82-565	904682	Replacement, Blower Assembly, G7, 1/2HP

Blower Wheels

- For use with Nortek Residential and MH Equipment



Order #	Mfg. #	Description
W89-910	667277R	Blower Wheel 11 X 10
W89-915	667258R	Replacement, Blower Wheel, 11 X 8
W80-056	667207R	Blower Wheel 10 X 10

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Fan Blade



Order #	Mfg. #	Description
W89-905	1024013R	Fan, 2Bl, 24D, 23P, CW, 1800

Compressors



Order #	Mfg. #	Description
B75-655	922170	Compressor ZR32K5E-PFV-800

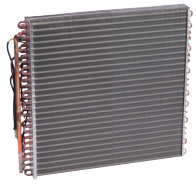
Order #	Mfg. #	Description
B75-660	922180	Compressor ZR54K5E-PFV-800

Drain Pan



Order #	Mfg. #	Description
B73-279	669855R	Drain Pan, Horz, AH/Coil, 24"

Coils



Order #	Mfg. #	Description
B86-035	285231R	Coil, Indoor, Small Package
B86-045	275283R	Replacement Coil 40 X 91, 22FPI, RI

Indoor Orifice



Order #	Mfg. #	Description
L46-346	155314R	Replacement Inducer Orifice, 1.063

Allied

Actuator



Order #	Mfg. #	Description
L86-987	86K37	Actuator

Bearings



Order #	Mfg. #	Description
L40-950	86H56	Bearing
L40-951	79J04	Bearing
L40-952	93G97	Bearing

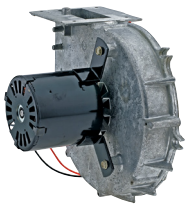
Order #	Mfg. #	Description
L40-954	66027	Bearing
L40-956	66020	Bearing 1"

Belt



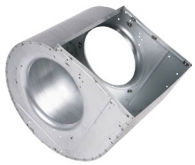
Order #	Mfg. #	Description
P46-208	57A77	Belt BX-62

Combustion Air Blowers



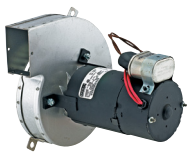
Order #	Mfg. #	Description
X89-873	12M55	Blower Assembly
X82-273	99K57	Combustion Blower Assembly
X89-874	69M33	Blower, Combustion Air
X89-876	69M32	Blower, Combustion Air

Blower Housing



Order #	Mfg. #	Description
X90-987	49G96	Blower Housing

Inducer Draft Blowers



Order #	Mfg. #
X89-887	28G66

Order #	Mfg. #
X89-891	23G81

Blower Wheels

Order #	Mfg. #	Description
W89-410	21708	Blower Wheel
W89-411	16596	Blower Wheel
W89-412	10G44	Blower Wheel
W91-108	85L52	Blower Wheel
W89-413	13K13	Blower Wheel
W91-109	85L53	Blower Wheel
W89-414	21709	Blower Wheel
W89-415	10H00	Blower Wheel
W91-110	20H94	Blower Wheel

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Brackets

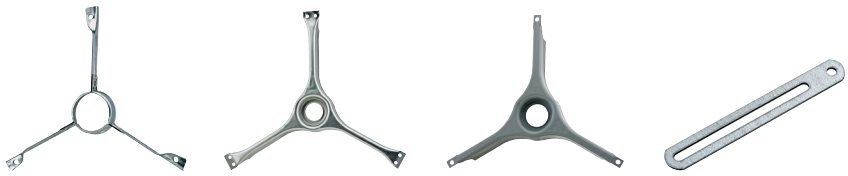


Fig.	Order #	Mfg. #	Description
A	**L86-988**	86H55	Bracket, Bearing
B	**L86-989**	93G91	Bracket, Bearing
C	**L86-990**	49K09	Bracket, Bearing

Fig.	Order #	Mfg. #	Description
D	**S58-913**	50G10	Bracket, Mounting
—	**S89-920**	46G41	Bracket

Burners



Order #	Mfg. #	Description
L40-959	71M82	Burner
L40-960	79J74	Burner

Order #	Mfg. #	Description
L40-961	17J58	Burner

Circuit Breaker



Order #	Mfg. #	Description
G32-880	17K72	Circuit Breaker

Coil Assembly

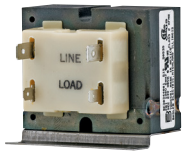
Order #	Mfg. #	Description
B95-824	90L35	Coil Assembly

Condensate Drain Trap



Order #	Mfg. #	Description
B14-998	37K70	Condensate Drain Trap

Transformers



Order #	Mfg. #	Description
L41-147	78H55	Transformer
L41-148	13H28	Transformer

Order #	Mfg. #	Description
L41-149	54G52	Transformer
L45-241	42W94	Transformer 460V

Disconnect Switch



Order #	Mfg. #	Description
G32-883	93J31	Disconnect Switch

Enthalpy Control



Order #	Mfg. #	Description
L40-984	54G44	Enthalpy Control

Expansion Valves



Order #	Mfg. #	Description
B15-005	60L37	CENT I
B15-006	79J75	CENT I4A&V4P
B15-007	31J32	CENT I
B15-009	60L29	Expansion Valve
B15-010	18M40	CENT I
B15-011	28C14	Expansion Valve
B15-015	33F38	Expansion Valve
B15-016	60L36	Expansion Valve
B15-018	24L18	CENT I
B15-020	56L71	Expansion Valve
B15-022	99K39	Expansion Valve

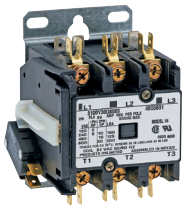
Fan Assemblies



Order #	Mfg. #	Description
L86-992	43G38	Fan Assembly
L86-993	99C63	Fan Assembly
L86-996	25W67	Fan Assembly
L86-997	93G90	Fan Assembly

Order #	Mfg. #	Description
L86-998	16C01	Fan Assembly
L86-999	45C51	Fan Assembly
L87-001	54G30	Fan Assembly
L87-002	12F20	Fan Assembly

Contactors



Order #	Mfg. #	Description
L40-965	10G19	Contactor
L40-966	21J03	Contactor
L40-967	48G58	Contactor
L40-969	95M57	Contactor, Compressor
L40-970	68137	Contactor, Compressor
L40-973	38113	Contactor, Compressor

MOTOR FINDER

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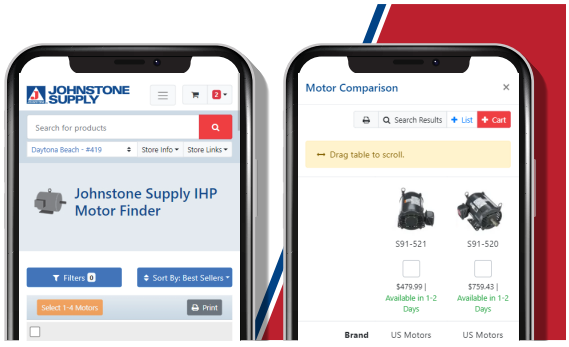

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Control Boards


A


B

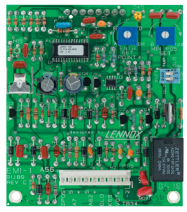

C

Fig.	Order #	Mfg. #	Description
A	**L40-977**	81L76	Control Board
B	**L40-978**	43H89	Control Deltrol
C	**L40-957**	91J89	Board EM1-1

Fig.	Order #	Mfg. #	Description
—	**L40-974**	18Y93	Control
—	**L40-975**	81L75	Control Board

Disconnect Cover



Order #	Mfg. #	Description
G32-882	97M33	Cover, Disconnect

Damper Motor



Order #	Mfg. #	Description
L40-981	54G46	Damper Motor 24V

Filter-Driers



Order #	Mfg. #	Description
B15-024	69H06	Filter-Drier
B15-025	62A52	CENT I
B15-026	12L71	CENT I
B15-027	69018	CENT I
B15-029	58A64	Filter-Drier
B15-031	69H10	CENT I

Order #	Mfg. #	Description
B15-032	88K44	Filter-Drier
B15-035	87327	Filter-Drier
B15-036	87326	Filter-Drier
B15-037	63C96	Filter-Drier
B15-038	52A16	Filter-Drier
B15-039	12W24	Filter-Drier

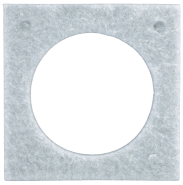
Gas Valves



Order #	Mfg. #	Description
L40-990	13H33	Gas Valve
L40-991	78L60	Gas Valve

Order #	Mfg. #	Description
L40-992	18M65	Gas Valve

Gaskets



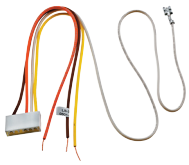
A



B

Fig.	Order #	Mfg. #	Description
A	**G32-897**	19H24	Gasket
B	**G80-279**	64G28	Gasket

Wire Harnesses



A



B



C

Fig.	Order #	Mfg. #	Description
A	**L40-994**	85G42	Harness
B	**L40-995**	15M35	Harness, Moulded Plug

Fig.	Order #	Mfg. #	Description
B	**L40-996**	15M36	Harness, Moulded Plug
C	**L40-998**	69K66	Harness, Wire

Heat Exchangers



Order #	Mfg. #	Description
L97-397	60G79	Heat Exchanger

Order #	Mfg. #	Description
L97-398	60G78	Heat Exchanger

High Pressure Switches



A



B

Fig.	Order #	Mfg. #	Description
A	**L41-003**	86H31	High Pressure Switch

Fig.	Order #	Mfg. #	Description
B	**L41-004**	98M69	High Pressure Switch

Ignition Controls



Order #	Mfg. #	Description
L41-007	49W66	Ignition Control

Order #	Mfg. #	Description
L41-008	80K12	Ignition Control

Ignition Lead



Order #	Mfg. #	Description
L41-010	48J68	Ignition Lead

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Electrode Ignitors



Order #	Mfg. #	Description
L41-016	79J21	Electrode Ignitor
L41-017	80K09	Electrode Ignitor

Order #	Mfg. #	Description
L40-982	28G36	Electrode Ignitor
L40-983	21L98	Electrode Ignitor

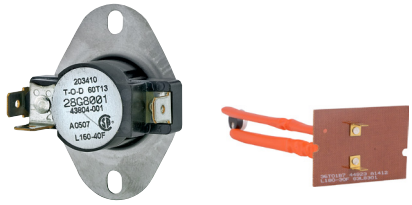
Ignition Control Replacement Kit

Order #	Mfg. #	Description
L41-018	39W76	IMC Repl. Kit (M1-7)

Key

Order #	Mfg. #	Description
L41-019	41G52	Blower Wheel Key

Limit Controls



Order #	Mfg. #	Description
L41-024	23G38	Limit Control
L41-025	28G80	Limit Control
L41-026	79J89	Limit Control

Order #	Mfg. #	Description
L41-027	83L83	Limit Control
L41-028	98G46	Limit Control
L41-029	27H87	Limit Control

Low Pressure Switch



Order #	Mfg. #	Description
L41-052	85C23	Low Pressure Switch

Motors



Order #	Mfg. #	Description
S89-941	27H45	Motor 1/6HP 208/230V
S89-938	13H36	Motor 1/4HP 208/230V
S89-940	51H75	Motor 1/4HP 460V
S89-931	25J36	Motor 1/3HP 1PH 230V
S89-934	14Y65	Motor 1/3HP 208/230V
S89-935	18H61	Motor 1/3HP 208/230V
S89-936	13H37	Motor 1/3HP 208/230V
S89-923	27J07	Motor 1/2HP 1PH 460V
S89-924	40C98	Motor 1/2 460V

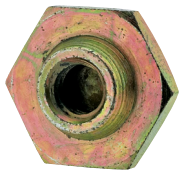
Order #	Mfg. #	Description
S89-926	27J30	Motor 1/2HP 1PH 230V
S89-927	28G16	Motor 1/2HP 1PH 460V
S89-929	13H38	Motor 1/2HP 208/230V
S89-949	48J10	Motor 3/4HP 1PH 460V
S89-951	13H39	Motor 3/4HP 208/230V
S89-952	16F20	Motor 3/4HP 208/230V
S89-953	16F21	Motor 3/4HP 460V
S89-954	43G52	Motor 3/4HP 460V
S89-945	94G00	Motor 1HP 3PH

Motor/Blower Mount



Order #	Mfg. #	Description
S91-417	93G96	Mount, Motor
B15-040	54M63	Mounting Kit, Compressor

Retaining Nut



Order #	Mfg. #	Description
G32-902	73K93	Nut, Retaining

Orifices



Order #	Mfg. #	Description
L41-055	33J26	Orifice
L41-060	35G01	Orifice 0.1110

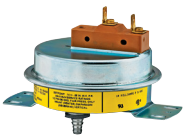
Order #	Mfg. #	Description
L41-062	45L14	Orifice-LP

Pressure Control



Order #	Mfg. #	Description
L41-064	80K52	Pressure Control

Pressure Switches



A



B



C

Fig.	Order #	Mfg. #	Description
A	**L41-065**	88W59	Pressure Switch
B	**L41-067**	15M20	Pressure Switch

Fig.	Order #	Mfg. #	Description
C	**L41-068**	79J08	Pressure Switch
—	**L41-066**	44A97	Pressure Switch

Fig.	Order #	Mfg. #	Description
—	**L41-069**	18J74	Pressure Switch
—	**L41-070**	79J07	Pressure Switch

Pulleys



Order #	Mfg. #	Description
L41-078	53J96	Pulley
L41-080	23G84	Pulley
L41-081	12L25	Pulley

Order #	Mfg. #	Description
L41-092	79J03	Pulley 3.75" OD x 7/8" Bore
L41-093	53J15	Pulley 3.75" OD x 7/8" Bore

Relays



A



B

Fig.	Order #	Mfg. #	Description
A	**L41-100**	67K65	Relay
B	**L41-101**	28G38	Relay
—	**L41-102**	56L68	Relay
—	**L41-103**	67K66	Relay
—	**L41-104**	45H70	Relay

Fig.	Order #	Mfg. #	Description
—	**L41-106**	37H96	Relay
—	**L41-107**	66463	Relay
—	**L41-116**	20G52	Relay, Blower
—	**L41-118**	58327	Relay, Potential
—	**L41-119**	58H66	Relay, Potential

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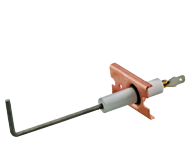
Reversing Valve

Order #	Mfg. #	Description
B15-043	78M25	Reversing Valve

Sensors



A



B

Fig.	Order #	Mfg. #	Description
A	**L41-127**	79J22	Sensor
A	**L41-128**	32M86	Sensor
A	**L41-130**	44L48	Sensor, Flame
—	**L41-129**	48G63	Sensor
B	**L41-133**	97H53	Sensor, Room Air

Fig.	Order #	Mfg. #	Description
C	**L41-134**	14K92	Sensor, Temperature
C	**L87-017**	93J53	Sensor, Temperature
C	**L87-018**	99K64	Sensor, Temperature



C

Shafts



Order #	Mfg. #	Description
L87-020	93J86	Shaft

Order #	Mfg. #	Description
L87-022	49H47	Shaft, Blower

Solenoid Coil



Order #	Mfg. #	Description
B15-051	75M49	Solenoid Reversing Valve

Manual Reset Switches



Order #	Mfg. #	Description
L41-137	15M44	Switch, Manual Reset
L41-138	15M45	Switch, Manual Reset

Order #	Mfg. #	Description
L41-139	15M43	Switch, Manual Reset
L41-140	15M42	Switch, Manual Reset

Thermostats



A



B

Fig.	Order #	Mfg. #	Description
A	**L41-142**	93G35	Thermostat
B	**L41-143**	79J11	Thermostat

Cabinet Components



Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
G33-011	017872700	Knob Control, Pointer	AVD TSB/TSF/TSC TSF/TSB TSH/TSC/TBH/TCH	061-202 021-151 021-121 161-201	B C D D
G33-007	021300000	Knob Control	FCHB/FCHF TSF/TSB	03-15 021-121	A D
G33-010	026215500	Knob Control	CHB/CHF SB/SF SB/SF SH/BSH/CSH/ TSH/SC/TESV/ TBH/TCH TSB/TSF/TSC TSH/TSC/TBH/TCH	03-15 22-124 22-124A 022-124 021-151 161-201	A A/B A/B B C D
G32-958	039449700	Clip, Single THD Type "J"	FTSH/FTSC TSH/TSC	03-12 031-121	A/B F
G33-005	061365901	Knob	FTSF/FTPF/ FTSS/FTSB TSF/TSB	02-12 021-121	A/B E

Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
G33-003	802018013	Knob	AV/AH K/EK/RK TSF/TSB UAV*/UAH*	500-2000CFM 6 - 14 021-121 500-2000CFM	A/B/C L G D/E
G33-004	802018035	Knob	J/EJ J/EJ/MQC K/EK K/EK/RK	7-12 6-11 7-15 6 - 14	B C F L
G33-012	061334001	Knob, Thermostat	CWH/CWC/ CWK CWH/CWG/ CWK/CWC/ CWJ WMH/WMG/ WMK WMH/WMG/ WMK WMH/WMG/ WMK/WCH/ WCG WWL*/WWM*	007-019 007-019 006-012 006-019 007-019 007-019	C B A A B A/B

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Compressors

Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
B82-669	061043401	Compressor Rot 15500BTU 208-230	CCH/CCG/CCW/ HWH/HWG/HWW CWH/CWC/CWK CWH/CWG/CWK/ CWC/CWJ MEK/PKEC/PKEI/ PKES VF WMH/WCH/WMK WMH/WMG/WMK/ WCH/WCG WWD*/WWL*WWM*	015 012 015 14 140 015 015 015	C C B A H C B A/B
B82-672	061086002	Compressor Rot 9100BTU 208-230	CWH/CWC/CWK/ WMH/WCH/WMK CWH/CWG/CWK/ CWC/CWJ MEK/PKEC/PKEI/ PKES WMH/WMG/WMK/ WCH/WCG WWD*/WWL*WWM*	009 009 9 009 009	C B A B A/B
B82-603	15M78	Compressor 4T	J/EJ/K/EK VF/VP/VG	10 100	B/F A/C
B82-661	802003264	Compressor Herm 9350BTU 265	CCH/CCG/CCW CCH/CCG/CCW/ HWH/HWG/HWW FCV/FCG/FCW HWH/HWW J/EJ/MQC/K/EK RK VF/VP/VG VWH/VWG/VWW WCD*/WCM* WFD*/WFM* WMH/WMG/WMK	007/009 007/009 007/009 007 9 09 100 9 007/009 009 007/009	A/B C A D C/H/L L E/F/G B A/B A A



Compressors - Overloads

Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
B15-089	060993101	Overload, Comp	MEK/PKEC/ PKEI/PKES	12	A
B15-084	060993105	Overload MRA4764-114	MEK/PKEC/ PKEI/PKES	14	A
B15-088	060993106	Overload MST16AHZ-114	MEK/PKEC/ PKEI/PKES	14	A
B15-062	066536701	Relay Overload	MEK	007	A
B15-070	066536801	Overload	MEJ/PMEJ/ PMEH MEK/PKEC/ PKEI/PKES	7 7	A A
B15-063	066536901	Compr-Protector Overload	MEJ/PMEJ/ PMEH MEK/PKEC/ PKEI/PKES	7 7	A A

Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
B15-073	066819601	Overload 277V	MEK/PKEC/ PKEI/PKES	9	A
B15-086	066819602	Overload MRA8911-114	MEK/PKEC/ PKEI/PKES	9	A
B15-064	067293201	Relay Overload	MEJ/PMEJ/ PMEH	012	A
B15-057	067293301	Compressor Overload	HWH/HWW	015	D
B15-059	067299501	Compressor Overload	MEJ/PMEJ/ PMEH	9	A
B15-056	8300MRAE61	Compressor Overload	J/EJ	10	B

Compressors - Miscellaneous Components

Fig.	Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
A	**G32-991**	060623301	Grommet	VWH/VWG/ VWW	15/024/036/048	B
B	**G32-970**	106057401	FTG Plug, Fusible	CCW CWH/CWC/ CWK/WMH/ WCH/WMK CWH/CWG/ CWK/CWC/ CWJ/WMH/ WMG/WMK/ WCH/WCG FC/FG/FW FC/FG/FW FCV/FCG/ FCW LGP/LHP/ LWP LGP/LHP/ LWP LGP/LHP/ LWP VF/VP/VG VF/VP/VG VF/VP/VG VWH/VWG/ VWW WCD*/WCM* WFD*/WFM* WFD*/WFM* WFD*/WFM* WLAG/WLD*/ WLM* WMH/WMG/ WMK WWD*/ WWL*/WWM*	019-060 007-019 007-019 240-500 240-610 015-019/048-060 7-12 07-27 18-22/15-25 070-200/240-390 080-190/240-400 100-400 07-27 007-012/019-060 015-060 019/030/042/060 024-030 070-290 006-019 007-019	E C B C/D E/F/G B B C/D A/B E/F/G C A C/D A/B A B A A/B A A/B

Fig.	Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
C	**B15-055**	802003045	Compressor Mnt Plate 8" x 5.5"	J/EJ J/EJ/MQC K/EK K/EK/RK VWH/VWG/ VWW	7-12 6-11 7-15 6-14 007-060	B C F L B
—	**B15-058**	802003050	Compressor Spring for Mtg Plate	J/EJ J/EJ/MQC K/EK K/EK/RK VWH/VWG/ VWW	7-12 6-11 7-15 6-14 007-060	B C F L B
D	**G32-989**	802007329	Grommet	J/EJ K/EK K/EK/RK VWH/VWG/ VWW	7-12 7-15 6-11 007-060	B F L B
E	**G32-999**	802012035	Hex Flange Nut 5/1	K/EK VWH/VWG/ VWW	7-15 007-060	F B

Condenser - Inlet Ring

Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
L41-306	056782801	Ring Orifice	J/EJ/MQC	6-11	C
			K/EK	14	H
			K/EK	15	F
			K/EK/RK	06-14	L
			MEK/PKES/PKEC/PKEI	14	A
			VF/VP/VG	100	A



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Controls - Components

Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
L41-205	107201601	Cntl Temp, Water Sensor	CCH/CCG/CCW/HWH/HWG/	007-120	C
			HWW	019-060	E
			CCW	007-019	C
			CWH/CWC/CWK/WMH/WCH/	007-060	B
			WMK	006-060	D
			FCV/FCG/FCW	07-27	D
			HWH/HWW	500-2000CFM	E/F
			LGP/LHP/LWP	007-060	B
			UAV*/UAH*	015/019-060	A/B
			VWH/VWG/VWW	007-012/070-120	A/B
			WCD	007-060	A/B
			WCD*/WCM*	180-290	A/B
			WFD*/WFM*	070-121	A/B
			WLDD/WLDE/WLDG/WLDL/	007-019	A/B
			WLDS		
			WLMB/WLME/WLMG/WLMH/		
			WLML/WLMS		
			WWD*		
L41-307	106110801	Sensor	AE/AZ/AR	24-54MBH	A/B/C
			CCH/CCG/CCW	007-012	A/B/C
			CCH/CCG/CCW	015-120	A/C
			CWH/CWC/CWK/WMH/WCH/	007-019	C
			WMK	007-060	A
			FCV/FCG/FCW	007-060	B
			FCV/FCG/FCW	007-120	C
			HWH/HWG/HWW	007-030	B
			VWH/VWG/VWW	007-060	A/B
			WFD*/WFM*		
L87-046	802007742	Terminal, Pin,12-10 AWG	CWH/CWG/CWK/CWC/CWJ	007-019	B
			MEK/MHK/PKES/PKHS	019-022	A
			MEK/MHK/PKHS/PKEC/PKES/	7-14	A
			PKEI	6-14	L
			RK	006-019	A
			WMH/WMG/WMK	007-019	B
			WMH/WMG/WMK/WCH/WCG		

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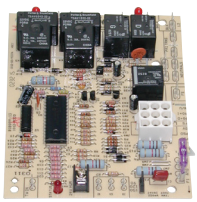
Controls - Control Boards

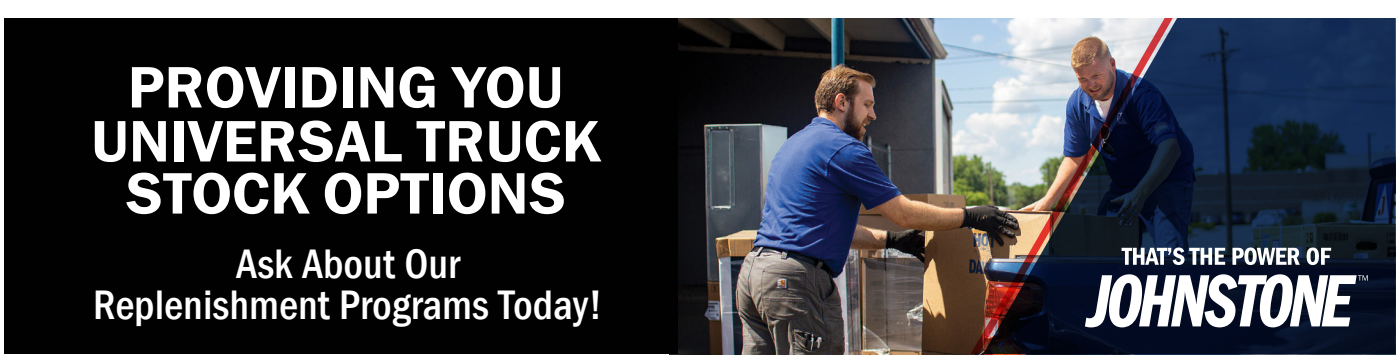


Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
L41-234	802005898	Control Bd Mark-3 VER-1 1-LT	FC/FG/FW FC/FG/FW LGP/LHP/LWP VF/VP/VG VF/VP/VG	240-420 240-500 18-22/15-25 070-200/240-390 080-190/240-400	E C/D A/B E C
L41-233	056792401K	Control Bd Kit Mark-4 DC	CCH/CCG/CCW CCW CWH/CWC/ CWK/WMH/ WCH/WMK FCV/FCG/FCW HWH/HWG/ HWW HWH/HWW LGP/LHP/LWP VWH/VWG/ VWW VWH/VWG/ VWW WCD*/WCM* WCDL/WCDS/ WCMS WCME/WCMS WCMG WCMS WFD*/WFM* WLMB/WLME/ WLMG/WLMH/ WLML/WLMS WWL*/WWM*	007-120 019-060 007-019 007-060 007-120 006-060 07-27 07-27 007-060 007-012/070-120 024/030 015 019-060 036-060 007-060 070-290 007-019	A/B/C E C A/B C D C/D C/D B A/B A/B A/B A/B A/B A/B A/B A/B
L41-232	48166902K	Control Bd Kit Mark-3 24V	FC/FG/FW FC/FG/FW VF/VP VF/VP/VG	240-420 500-610 240-390 070-200	G G G G

Controls - Limit Switches

Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
L41-336	802005427	Switch Temp Limit 140F-O110F-C	J/EJ VF/VP/VG VF/VP/VG VF/VP/VG	7-12 070-200/240-390 080-190/240-400 100-400	B E/F/G C A

Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
L41-337	802005907	SW Temp Limit 145F-OP105F-CL	J/EJ/MQC K/EK MEJ/PMEJ/ PMEH MHK/PKHS RK	6-11 6-14 007-012 007-014 006-014	C H/L A A L



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Controls - Switches



A



B

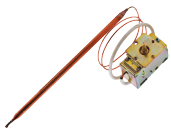
Fig.	Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
A	**L41-331**	018482800	Switch Auto Changeover 5/8" Tube	FTSF/FTPF/ FTSS/FTSB FTSH/FTSC HSB SB/SF SH/BSH/ CSH/TSH/ SC/TESV/ TBH/TCH TSB/TSF/ TSC TSF/TSB TSF/TSB TSH/TSC TSH/TSC/ TCH	02-12 03-12 020-040 22-124 022-124 021-151 021-121 021-121 031-121 061-121	A/B A/B A A/B B C D E F E
B	**L41-226**	025629700	Control Temp., High Limit	FTSF/FTPF/ FTSS/FTSB TSB/TSF/ TSC TSF/TSB	02-12 021-151 021-121	A/B C E
C	**G32-955**	031011800	Clip	TSB/TSF/ TSC TSF/TSB TSH/TSC	021-151 021-121 031-121	C D F
D	**L41-335**	044270900	Switch Rotary, 3-Speed & Off 7" Leads	FTSF/FTPF/ FTSS/FTSB TSF/TSB TSF/TSB	02-12 021-121 021-121	A/B D E
E	**L41-334**	047357307	Switch Rocker	AE/AR AE/AZ/AR AV/AH CWH/CWC/ CWK/WMH/ WCH/WMK CWH/CWG/ CWK/CWC/ CWJ FTSF/FTPF/ FTSS/FTSB MEK/MHK/ PKEC/PKEI/ PKES/PKHS TSF/TSB TSF/TSB WMH/WMG/ WMK WMH/WMG/ WMK/WCH/ WCG WWL*/ WWM*	24-54MBH 24-54MBH 500- 2000CFM 007-019 007-019 02-12 007-014 021-121 021-121 006-019 007-019 007-019	A/B A/B/C A/B/C C B A/B A E G A B A/B

Fig.	Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
E	**L41-346**	067188301	Switch 4 Push-button	PKHS SJC/SJR	007-014 15-31	A B
F	**L41-354**	910130171	Switch Toggle DPST	FHSS/FKZZ/ HSB/HKD FHSS/FKZZ/ HSB/HKD	03-12 03-12	A/C F
G	**L41-330**	107112101	Switch Assembly & Face Plate	FSCD/FSHD FTSF/FTPF/ FTSS/FTSB FTSH/FTSC SCD/SHD TSF/TSB TSF/TSB TSH/TSC TSH/TSC/ TCH	06-20 02-12 03-12 061-201 021-121 021-121 031-121 061-121	A A/B A/B B /A E G F E
—	**L41-361**	057543001	Switch-Rotary, 2 Pole 4 POS	AV/AH TSF/TSB UAV*/UAH*	500- 2000CFM 021-121 750- 2000CFM	A/B/C G D/E
—	**L41-355**	061400701	Switch, Low Temperatures	CWH/CWC/ CWK/WMH/ WCH/WMK CWH/CWG/ CWK/CWC/ CWJ WMH/WMG/ WMK WMH/WMG/ WMK/WCH/ WCG WWL*/ WWM*	007-019 007-019 006-019 007-019 007-019	C B A B A/B
—	**L41-325**	802005013	SW 3-PB Color Coded	J/EJ J/EJ/MQC K/EK K/EK MEJ/PMEJ/ PMEH RK	7-12 6-11 6-14 7-15 007-012 06-014	B C H/L F A L
—	**B15-065**	056794401K	Condensat Over-flo Wire Kit	CCH/CCG/ CCW CCH/CCG/ CCW CCH/CCG/ CCW FCV/FCG/ FCW HWH/HWG/ HWW WCD*/WCM*	007-012 007-012/024- 060 024-120 024-060 007-120 007-012/120	A/B C A A C A/B
—	**L41-248**	4EMB5471C	HP Switch	AE/AZ/AR	24-54MBH	A/B

Controls - Thermostats



A



B



C

Fig.	Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
A	**L41-401**	017606800	Thermostat 55-90F SPDT Contact	HSB	030-120	B
				LFR	020-120	A
				SB/SF	22-124	A/B
				SH/BSH/CSH/TSH/SC/TESV/TBH/TCH	022-124	B
				TSB/TSF/TSC	021-151	C
B	**L41-403**	044275100	Thermostat Dial 55-90F 1-SPDT	FCHB/FCHF	03-15	A
				FTSF/FTPF/FTSS/FTSB	02-12	A/B
				TSF/TSB	021-121	D
				TSF/TSB	021-121	E
				TSF/TSB	021-121	G
C	**L41-406**	062278701	Thermostat Limit-Bulb 1-Stage	CWH/CWC/CWK/WMH/WCH/WMK	007-019	C
				CWH/CWG/CWK/CWC/CWJ	007/009/012	B
				MEK/MHK/PKEC/PKES/PKEI/PKHS	A	007-014
				WMH/WMG/WMK	006-019	A
				WMH/WMG/WMK/WCH/WCG	007-019	B
				WWL*/WWM*	007-019	A/B
H	**L41-409**	066540601	Thermostat Limit-Bulb 1-Stage	CCH/CCG	007	A/B
				CCH/CCG	019-060	A
				CCH/CCG/CCW	009/012/015	A/B
				CCH/CCG/HWH/HWG	007-060	C
				CCW	009/012/060	C
				FCV/FCG	007-060	B
				HWH/HWW	006-030	D
				LGP/LHP/LWP	07-27	C/D
				VWH/VWG/VWW	07-27	C/D
				WCD*/WCM*	012	A/B
				WCDD/WCDE/WCME	009	A/B
				WCDL/WCDS/WCMS	007/009	A/B
				WCDL/WCDS/WCMS	015-060	A/B
				WFD*	007/012/019/030/042/060	A/B
				WFD*	007-060	A
				WLAG/WLD*/WLM*	070-290	A/B
H	**L41-408**	066540802	Thermostat Limit-Bulb 1-Stage	CWH/CWC/CWK/WMH/WCH/WMK	007-019	C
				CWH/CWG/CWK/CWC/CWJ	007/009/012	B
				WMH/WMG/WMK	006-019	A
				WMH/WMG/WMK/WCH/WCG	007-019	B
				WWL*/WWM*	007-019	A/B
—	**L44-725**	66540822	Thermostat Dial 50-100F 2-SPDT	FTSF/FTPF/FTSS/FTSB	02-12	02-12
				TSF/TSB	021-121	021-121
D	**L41-412**	066547401	Thermostat Lowtemp Cutout	MEK/PKES	007-014	A
				MEK/PKES	019-022	A
C	**L41-410**	067186101	Thermostat Limit-Bulb 2-Stage	J/EJ	7-12	B
				J/EJ/MQC	6-11	C
				K/EK	7-15	F
				MEJ/PMEJ/PMEH	007-012	A
				MEK/MHK/PKEC/PKEI/PKES/PKHS	007-014	A
				RK/K/EK	006-014	L
E	**L41-407**	073394101	Thermostat Limit-Bulb 1-Stage	XR	002/009	B
E	**L41-411**	073398001	Thermostat Limit-Bulb 1-Stage	XR	002/009	B
F	**L41-416**	300043173	Thermostat Wall Mount ACO/MCO	WLMB/WLME/WLMG/WLMH/WLML/WLMS	070-290	A/B

continued on next page

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Fig.	Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
H	**L41-399**	802005724	Thermostat 28-Out/38-In 55DEG	CCH/CCG/CCW	070-120	A
				CWH/CWG/CWK/CWC/CWJ	007-019	B
				FC/FG/FW	240-420	F
				FC/FG/FW	500-610	F/G
				FCV/FCG	007/019-060	A
				FCV/FCG/FCW	009-015	A
				HWH/HWG	036-060	C
				LGP/LHP/LWP	7-12	B
				LGP/LHP/LWP	15-25	B
				VF	100-330	H
				VF/VP/VG	070-200/240-390	F/G
				VF/VP/VG	260-400	A
				WMH/WMG/WMK	006-019	A
				WMH/WMG/WMK/WCH/WCG	007-019	B
—	**L41-322**	4ELN9178	Stat-SPDT,+38/+45F, 277V	AE/AZ/AR	24-54MBH	A/B
				AV/AH	500-2000CFM	B

Controls - Valves

DAIKIN McQuay Air Conditioning

Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
L41-423	107179601	Valve Body 1/2"ID5/8"OD 2-Way	CWH/CWC/CWK,W-MH/WCH/WMK	007-019 007/009/012	C B
			CWH/CWG/CWK/CWC/CWJ	015/019 02-12	B -
			CWH/CWG/CWK/CWC/CWJ	030-080 021-121	A/B D
			FTPF/FTSS/FTSB	021-121	E/A/B
			HSB	031-121	F
			TSF/TSB	061-121	E
			TSF/TSB/FTSF	006-012	A
			TSH/TSC	006-019	A
			TSH/TSC/TCH	007-012	B
			WMH/WMG/WMK	007-019	B
			WMH/WMG/WMK		
			WMH/WMG/WMK/WCH/WCG		
			WMH/WMG/WMK/WCH/WCG		
L41-425	107179701	Valve Body 1/2" SWT 3-Way	FTPF/FTSS/FTSB	02-12	-
			TSF/TSB/FTSF	021-121	E/A/B
			TSH/TSC	031-121	F
L41-426	107179802	Valve Motorized Actuator 120VNC	FHSS/FKZZ	03-12	A
			FTPF/FTSS/FTSB	02-12	A/B
			FTSH/FTSC	03-12	A/B
			HSB/HKD	03-12	C
			TSF/TSB/FTSF	021-121	E
			TSH/TSC	031-121	F

Drain Pans

DAIKIN McQuay Air Conditioning

Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
B82-693	802028076	Drain Pan 3.5"W 34"L	K/EK	006-011	H
			K/EK	007-015	F



Electrical - Contactors

Fig.	Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
A	**L41-259**	073322201	Contactor 277/60/1 3A 1-Pole	CCH/CCG/CCW CCW FCV/FCG/FCW VF/VP/VG VWH/VWG/VWW VWH/VWG/VWW WCMG WCMS WFM*	019-036 019-036 019-042 200-330 019-042 024-060 019-036 024-036 024-042	C E B G B B A/B A/B A/B
B	**L41-220**	073322401	Contactor 2-Pole 240V 20 AMP	CCH/CCG/CCW CCH/CCG/CCW/ HWH/HWG/HWW CCW FCV/FCG/FCW FCV/FCG/FCW HWH/HWW VWH/VWG/VWW WCME/WCMS WCMG/WCMS WFM*	007-060 007-042 024-042 007-019/048-060 007-042 015-030 007-042 007-012/015/019 024-042 007-042	A/B C E A B D B A/B A/B A/B
B	**L41-216**	073322501	Contactor 2P 24V 20A	CCH/CCG/CCW CCH/CCG/CCW CCH/CCG/CCW CCW FCV/FCG/FCW HWH/HWW VWH/VWG/VWW WCDL/WCDS/ WCMG/WCMS WFD*/WFM*	024-060 070/090 070-120 024-060 024-060 015-030 024-060 024-060 024-060	C A A E A/B D B A/B A/B



A



B

Electrical - Cord Set

Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
G32-968	062218104	Cordset 277V 20A 27"	WMH/WCH/WMK	007-019	C

Electrical - Plugs

Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
G33-018	038254701	Plug, 2 Circuit	CWH/CWG/CWK/CWC/CWJ LGP/LHP/LWP WLDD/WLDE/WLDG/WLDL/ WLDS WMH/WCH/WMK WMH/WMG/WMK WMH/WMG/WMK/WCH/WCG WWD*/WWL*/WWM* WWD*/WWL*/WWM*	007-019 07-12 070-121 007/015-019 006-019 007-019 007-009 015-019	B D A/B C A B A A/B
G32-962	802007012	Connector 12-CIR Plug	K/EK K/EK MEK/MHK/PKES/PKHS	7-15 016-022 019-022	F G A
G32-963	802007036	Connector Molex 12CKT Plug	K/EK K/EK MHK/PKHS	7-15 016-022 019-022	F G A
G33-015	802007738	Plug 12CK	J/EJ/MQC K/EK MEJ/PMEJ/PMEH MEK/MHK/PKES/PKEC/PKEI/ PKHS RK	6-11 6-14 7-12 7-14 6-14	C H/L A A L
G33-022	802007739	Receptacle 12CKT	J/EJ/MQC K/EK MEJ/PMEJ/PMEK MEK/MHK/PKEC/PKES/PKHS/ PKEI RK	6-11 6-14 7-12 7-14 6-14	C H/L A A L

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Electrical - Relays

Fig.	Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
A	**L41-261**	031320000	Relay	FHSS/FKZZ HSB/HKD TSH/TSC TSH/TSC/TCH	03 12 031-121 061-121	A C F E
B	**L41-272**	056992205	Relay 24 VAC 1PDT	CCH/CCG/CCW CCW FCV/FCG/FCW VWH/VWG/VWW WCDL/WCDS/WCMS WFD*/WFM*	024/030/048-060 024-060 024-060 024-060 024-060 024-060	C E B B A/B A/B
B	**L41-276**	061019403	Relay 24V SPDT Type 84	AE/AZ/AR AV/AH CCH/CCG/CCW CCH/CCG/CCW CCW CWH/CWC/CWK/WMH/ WCH/WMK FC/FG/FW FCV/FCG/FCW FCV/FCG/FCW HWH/HWG/HWW HWH/HWW VF VF/VP/VG VF/VP/VG VWH/VWG/VWW WCMG WFD* WLDD/WLDE/WLDG/WLDL/ WLDS	24-54MBH 500-2000CFM 007-019/036- 042/070-120 015-060 019-060 007-019 240-420/500-610 007-060 007-060 007-060 006-060 100-330 070-390 330-400 007-060 019-060 007-060 070-290	A/B A A/B C E C F A B C D H F A B A/B A/B A/B
B	**L41-273**	066803911	Relay 24 VAC 2 PDT	CWH/CWC/CWK MEK/MHK/PKEC/PKEI/ PKES/PKHS WMH/WCH/WMK WMH/WMG/WMK WMH/WMG/WMK/WCH/ WCG	007-019 007-014 007-019 006-019 007-012	C A C A B
B	**L41-278**	106500101	Relay 24 VAC DPST 30A	AE/AZ/AR AV/AH UAV*/UAH*	24-54MBH 500-2000CFM 750-2000CFM	A/B/C A/B/C D/E



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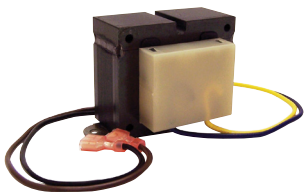
Electrical - Transformers



Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
L41-368	060614102	Transformer 208-240V 24V-SEC	CCH/CCG/CCW	007-012	A/B
			CCH/CCG/CCW	015-120	A/C
			CCW	019-060	E
			CWH/CWC/CWK/	007-019	C
			WMH/WCH/WMK	007-019	B
			CWH/CWG/CWK/	240-420	E/F/G
			CWC/CWJ	240-500	C/D
			FC/FG/FW	500-610	F/G
			FC/FG/FW	007-060	A/B
			FC/FG/FW	007-120	C
			FCV/FCG/FCW	006-030	D
			HWH/HWG/HWW	7-12	B
			HWH/HWW	07-12	C/D
			LGP/LHP/LWP	15-25	B
			LGP/LHP/LWP	15-27	C/D
			LGP/LHP/LWP	8-11/7-12	A/B
			LGP/LHP/LWP	007-014	A
			LGP/LHP/LWP	019-022	A
			MEK/MHK/PKEC/	019-022	A
			PKEI/PKES/PKHS	100-330	H
			MHK	070-200/240-390	E/F/G
			PKHS	080-190/240-400	C
			VF	100-400	A
			VF/VP/VG	07-12	C/D
			VF/VP/VG	007-060	B
			VF/VP/VG	15-27	C/D
			VWH/VWG/VWW	007-120	A/B
			VWH/VWG/VWW	019-060	A/B
			VWH/VWG/VWW	007-060	A/B
			WCD*/WCM*	070-121	A/B
			WCD*/WCM*	180-290	A/B
			WFD*/WFM*	006-019	A
			WLAG/WLD*/WLM*	007-019	B
			WLAG/WLD*/WLM*	007-019	A/B
			WMH/WMG/WMK		
			WMH/WMG/WMK/		
			WCH/WCG		
			WWD*/WWL*/		
			WWM*		
L41-372	060630702	Transformer 277/24V 50VA 50/HZ	CCW	019-036	E
			FCV/FCG/FCW	007-042	B
			MEK/MHK/PKEC/	007-014	A
			PKEI/PKES/PKHS	019-022	A
			PKHS	750-2000CFM	D/E
			UAV*/UAH*	007-012/019-036	A/B
			WCD*/WCM*	007-042	A/B
			WFD*/WFM*	007-019	A/B
			WWD*/WWL*/		
			WWM*		
L41-391	060630802	Transformer 120/24V 50VA	AE/AZ/AR	24-54MBH	C
			AV/AH	500-2000CFM	A/B/C
			CCH/CCG/CCW	007-012	A/B
			CWH/CWC/CWK/	007-019	C
			WMH/WCH/WMK	007-012	A/B
			FCV/FCG/FCW	007-012	C
			HWH/HWG/HWW	7009	A
			MEK/MHK/PKEC/	750-2000CFM	D/E
			PKEI/PKES/PKHS	007-012	A/B
			UAV*/UAH*	007-012	A/B
			WCD*/WCM*	007-019	A/B
			WFD*/WFM*		
			WWL*/WWM*		

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Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
L41-375	060676001	Transformer 480V-24V 50VA 50HZ	CCH/CCG/CCW CCW FC/FG/FW FC/FG/FW FC/FG/FW FCV/FCG/FCW HWH/HWG/HWW VF VF/VP/VG VF/VP/VG VWH/VWG/VWW WCD*/WCM* WCDL/WCDS/ WCMS WFD*/WFM*	024-120 024-060 500 240-420 330-500 024-060 024-030/048-120 330 070-390 240-400 024-060 024-120 48060 024-060	A/C E F/G E/F/G C/D A/B C H E/F/G C B A/B A/B A/B
L41-371	063338302	Transformer 277/240/208/120V-In	AE/AZ/AR UAV*/UAH*	24-54MBH 750-2000CFM	C D
L44-847	105658001	Transformer 120V- Primary	UAV*/UAH*	750-2000CFM	D/E
L41-366	4EPB7715	Transformer 120V-In 47-120V-Out	AV/AH XG/VG/WG/SG	500-2000CFM Series 2000-6000	A/B A/B/C/D
L41-367	4EPB7717	Transformer 208/240/277-120V50VA	AE/AR/AZ AE/AZ/AR AV/AH XG/VG/WG/SG	24-54MBH 24-54MBH 500-2000CFM Series 2000-6000	A/B A/B A/B A/B/C/D
L41-373	4EPC9177	Transformer 277/460V-24V 75VA	AE/AZ/AR AV/AH CCH/CCG/CCW LGP/LHP/LWP UAV*/UAH* UAV*/UAH* VWH/VWG/VWW WCD*/WCM*	24-54MBH 500-2000CFM 070-120 15-27 750-2000CFM 750-2000CFM 15-27 070-120	A/B A/B/C C D D E D A/B
L41-369	4EPC9188	Transformer 24V-PRI 30VA 50/60HZ	AE/AZ/AR AV/AH	24-54MBH 500-2000CFM	A/B A/B/C

Fan - Bearings

Fig.	Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
A	**L41-190**	020648611	Bearing w/Collar 1" ID	FSHD/FSCD/ FCZA/FCZC/FCZH HWH/HWG/HWW SCD/SHD/SCB/ SHB WCD*/WCM*	16-30 070-120 161-301 070-120	A C B A/B
B	**L41-199**	4AAD1945A	Bearing Ball Pill Blok 1.25"D	AE/AZ SG	24-54MBH Series 3000-8000	A/B A/B
C	**L41-198**	4AAE7976	Bearing 2-Bolt Flg 1.25D Shaft	AH UAH*	500-2000CFM 750-2000CFM	A/B/C D/E
—	**L41-200**	910260223	Bearing Mid Flange1.251"B	AE/AR/AZ AV SG UAV* XG/VG/WG	24-54MBH 500-2000CFM Series 3000-8000 750-2000CFM Series 2000-6000	A/B A/B/C A/B D/E A/B/C/D

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Fan - Blower Wheels

Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
W89-438	021482300	Wheel Al 5.8"D 7.9"W CCW	HSB	020-040	A
			HSB	030-040	B
			SB/SF/TSB/TSF	54-84	B
			TBH/TCH/TSH	021-081	C
			TSB/TSF/TSC	021-061	C
W89-444	023353600	Wheel Al 8"D 10"W 1/2"B CW	CHF/FCHF	10-15	A
			FTSF/FTPF/FTSS/	08-12	A/B
			FTSB	081-123	C
			TBH/TCH/TSH	081-101	C
			TSB/TSF/TSC	081-121	E
			TSF/TSB	101-121	D
			TSH/TSC/TBH/TCH		
W89-443	023353700	Wheel Al 8"D 10"W 1/2"B CCW	CHF/FCHF	10-15	A
			FTSF/FTPF/FTSS/	08-12	A/B
			FTSB	081-121	C
			TBH/TCH/TSH	081-121	E
			TSF/TSB	101-121	D
			TSH/TSC/TBH/TCH		
W89-437	038253000	Wheel Al 5.75"D 7.4"W Cntr	TSH/TSC/TCH	061-121	E
W89-449	061406601	Wheel Stl 11.12"D10.62"W.5B	CCH/CCG/CCW/	048-060	C
			HWH/HWG/HWW	042-060	E
			CCW	500	C/D
			FC/FG/FW	500	F/G
			FC/FG/FW	042	A
			FCV/FCG/FCW	048	A
			FCV/FCG/FCW	042-060	B
			FCV/FCG/FCW	042-060	B
			VWH/VWG/VWW	048-060	B
			VWH/VWG/VWW	042-060	A/B
			WCD*/WCM*	048/060	A/B
			WCDL/WCDS/	042-060	A/B
			WCMS		
			WFD*WFM*		
W89-448	063262901	Wheel Pl 7.1"D7.25"W DWA CW	AE/AR/AZ	24-54MBH	A/B/C
			AV/AH	500-1500CFM	C
W89-439	802000002	Wheel AL 6.3"D 8"W .5"B CW	J/EJ	7-12	B
			J/EJ/MQC	6-11	C
			K/EK	14	H
			K/EK	14	H/L
			K/EK	15	F
			K/EK	6-14	H
			K/EK	6 - 14	L
			MEJ/PMEJ/PMEH	007-012	A
			MEK/PKEC/PKEI/	014	A
			PKES	007-014	A
			MEK/PKEC/PKEI/	006-011	L
			PKES	006-014	L
			RK		
			RK		
W89-442	802000034	Wheel AL 7.5"D 9"W .5"B	K/EK	6-11	H
			K/EK	7-15	F
			K/EK	016-022	G
			MHK/PKHS	019-022	A
W89-450	802000037	Wheel Stl 10"D7.1"W.5"BCW	CCH/CCG/CCW	024-042	A/C
			CCW	019-036	E
			FC/FG/FW	240	C/D
			FC/FG/FW	240	E/F/G
			FCV/FCG/FCW	024-036	A/B
			FHSS/FCZA/FCZC/	10-12	A
			FCZH	024-042	C
			HWH/HWG/HWW	240	C
			VF/VP/VG	240	E/F/G
			VF/VP/VG	024-036	B
			VWH/VWG/VWW	019-036	A/B
			WCD*/WCM*	035/042	A/B
			WCDL/WCDS/	024-036	A/B
			WCMS		
			WFD*WFM*		
W69-384	802000070	Wheel AL 8"D 4.5"W 1/2"B SWAF	K/EK	016-022	G
			MEK/PKES	019-022	A

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Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
W69-382	802000083	Wheel AL 5.75"D 6.5"W CCW EVAP	J/EJ/MQC	11	C
			K/EK	6-11	L
			K/EK	6-14	H
			K/EK	7-12	F
			MEJ/PMEJ/PMEH	012	A
			MEK/PKEC/PKEI/	007-012	A
			PKES	014	L
			RK		
W69-386	4MFC8755	Wheel PI 8.46"D 5.82"W	AE/AR/AZ	24-54MBH	A/B
			AV/AH	500-1500CFM	A/B
			SG	Series 3000-8000	A/B
			XG/VG/WG	Series 2000-6000	A/B/C/D
W69-385	62218301K	Wheel Kit w/Clip 6D7.8W.5B	CHF/FCHF	03-08	A
			HSB	030-040	C
			TSH/TSC/TCH	061-121	E
W89-440	GC10677	Wheel Al 6.31"D 32-BL	AE/AR/AZ	24-54MBH	A/B/C
W89-445	GC10819	Wheel Al 8"D 5.8"W 1.25"B	AE/AR/AZ	24-54MBH	A/B
			SG	Series 3000-8000	A/B
			XG/VG/WG	Series 2000-6000	A/B/C/D

Fan - Shaft

Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
S91-428	GC10116	Shaft STL 1.25OD X 70.25L	AE/AR/AZ	44/54MBH	C
			AE/AR/AZ	48/54MBH	A/B
			AV/AH	1500/2000CFM	A/B/C
			UAV*/UAH*	1500/2000CFM	D/E

Hoses - Fire Rated Supply or Return

Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
G80-287	061269001	Tool Hose Fire RTD 1/2X24	CCH/CCG/CCW	007-019	A/B/C
			FCV/FCG/FCW	007-019	A
			FCV/FCG/FCW	007-019	B
			HWH/HWG/HWW	007-019	C
			HWH/HWW	006-019	D
			VWH/VWG/VWW	007-019	B
			WCD*/WCM*	007-012/015/019	A/B
			WFD*/WFM*	007-019	A/B
G80-288	061269003	Tool Hose Fire RTD 3/4X24	CCH/CCG/CCW/	024-060	C
			HWH/HWG/HWW	019-060	E
			CCW	024-030/048-060	A
			FCV/FCG/FCW	036-042	A/B
			FCV/FCG/FCW	048-060	B
			FCV/FCG/FCW	024-060	D
			HWH/HWW	024-060	B
			VWH/VWG/VWW	024-060	A/B
			WCD*/WCM*	024-060	A/B
			WFD*/WFM*		
G95-096	061269004	Tool Hose Fire RTD 3/4X36	CCH/CCG/CCW/	024-060	C
			HWH/HWG/HWW	019-060	E
			CCW	024-030/048-060	A
			FCV/FCG/FCW	036-042	A/B
			FCV/FCG/FCW	048-060	B
			FCV/FCG/FCW	024-060	D
			HWH/HWW	024-060	B
			VWH/VWG/VWW	024-060	A/B
			WCD*/WCM*	024-060	A/B
			WFD*/WFM*		

Motors



Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
S80-089	10810	Motor Cond 208 1550RPM	K/EK	15	F
S80-025	023078600	Motor 1/30HP 1180RPM115 PSC	TBH/TCH/TSH	021-033	C
			TSB/TSF/TSC	021-031	C
			TSH/TSC/TBH/TCH	021-031	D
S80-010	023078700	Motor 1/15HP 1180RPM 115V	TBH/TCH/TSH	041-063	C
			TSB/TSF/TSC	041-061	C
S80-043	023579700	Motor 1/4HP 1000RPM 115 PSC	CHF/FCHF	10-12	A
			TBH/TCH/TSH	103-123	C
			TSH/TSC/TBH/TCH	101/121	D
S80-018	038256200	Motor 1/25HP 1200RPM 115	TSH/TSC/TCH	031/041/101	E
S80-009	038256300	Motor 1/15HP 1000RPM 115CCW	TSH/TSC/TCH	061/101/121	E
S89-999	041493800	Motor 1/10HP 1200RPM 115 PSC	FHSS/FKZZ	06	A
S80-013	044691000	Motor 1/15HP 1800RPM 277PSC	TSF/TSC/TSB	101-121	G
			TSH/TSC	041/101	F
			TSH/TSC/TCH	031/041/101	E
S80-049	057076501	Motor 1/4HP 115/60/1 PSC	AE/AR/AZ	44-54MBH	C
			AE/AR/AZ	48-54MBH	A/B
			XG/VG/WG	Series 2000-6000	A/B/C/D
S80-075	060704502	Motor 1/8HP 970-1075RPM 265	CCH/CCG/CCW/HWH/HWG/HWW	015/019	C
			FCV/FCG/FCW	015-019	A/B
			VWH/VWG/VWW	015-019	B
			WCD*/WCM*	015	A/B
			WCDL/WCDS/WCMS	019	A/B
			WFD*/WFM*	015-019	A/B
S80-020	060704601	Motor 1/2HP 1075RPM 208-230	CCH/CCG/CCW	036	A
			CCH/CCG/CCW/HWH/HWG/HWW	036/042	C
			FCV/FCG/FCW	036	A
			VWH/VWG/VWW	36	B
			WCDL/WCDS/WCMS	036/042	A/B
			WFD*/WFM*	036	A/B
S80-023	060704603	Motor 1/2HP 460/60/1 PSC	CCH/CCG/CCW	036	A
			CCH/CCG/CCW/HWH/HWG/HWW	036/042	C
			FCV/FCG/FCW	036	A
			VWH/VWG/VWW	36	B
			WCDL/WCDS/WCMS	036/042	A/B
			WFD*/WFM*	036	A/B
S80-082	060704701	Motor 3/4HP 208-230/60/1	CCH/CCG/CCW	042	A
			CCH/CCG/CCW/HWH/HWG/HWW	048/060	C
			FCV/FCG/FCW	048	A
			FCV/FCG/FCW	048-060	B
			WCDL/WCDS/WCMS	048/060	A/B
			WFD*/WFM*	048-060	A/B
			WLMB/WLME/WLMG/WLMH/WLML/WLMS	048-060	B
S80-083	060704702	Motor 3/4HP 460/60/1 PSC	CCH/CCG/CCW	042	A
			CCH/CCG/CCW/HWH/HWG/HWW	048/060	C
			FCV/FCG/FCW	048	A
			FCV/FCG/FCW	048-060	B
			VWH/VWG/VWW	048-060	B
			WCDL/WCDS/WCMS	048/060	A/B
			WFD*/WFM*	048-060	A/B
S80-037	060961801	Motor 1/3HP 900-1100RPM	CCH/CCG/CCW	024/030	A/C
			FCV/FCG/FCW	030/042	A/B
			HWH/HWG/HWW	024/030	C
			VWH/VWG/VWW	30042	B
			WCDL/WCDS/WCMS	024/030	A/B
			WFD*/WFM*	030/042	A/B

continued on next page

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Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
S80-038	060961803	Motor 1/3HP 900-1100RPM 460	CCH/CCG/CCW	024/030	A/C
			FCV/FCG/FCW	030/042	A/B
			HWH/HWG/HWW	024/030	C
			VWH/VWG/VWW	30042	B
			WCDL/WCDS/WCMS	024/030	A/B
			WFD*/WFM*	030/042	A/B
S80-051	063261702	Motor 1/4HP 1200RPM 115 PSC	UAV*	750-1500CFM	D/E
S80-052	063261703	Motor 1/4HP 1200RPM 115 PSC	UAV*	750-2000CFM	D
			UAV*/UAH*	750-2000CFM	E
S80-066	106163001	Motor 1/7HP 1770RPM 115 PSC	CHF/FCHF	06-08	A
			SH/BSH/CSH/TSH/SC/TESV/TBH/TCH	082	B
			TBH/TCH/TSH	083	C
			TSH/TSC/TBH/TCH	061-081	D
S80-006	106163002	Motor 1/12HP 1765RPM 115	CHF/FCHF	03-04	A
S80-012	106163003	Motor 1/15HP 1250RPM 277	FHSS/FKZZ	04	A
S80-055	106163004	Motor 1/5HP 1400RPM 115	TSH/TSC/FTSH/FTSC	06-12	A/B
			TSH/TSC/FTSH/FTSC	061-121	F
			TSH/TSC/TCH	061-121	E
S80-015	106163005	Motor 1/15HP 3-SPD 115 PSC	FTSH/FTSC	04	A/B
			FTSH/FTSC	10	A/B
			TSH/TSC	041	F
			TSH/TSC	041	F
			TSH/TSC	101	F
			TSH/TSC	101	F
			TSH/TSC/TCH	041/101	E
S80-070	106163006	Motor 1/8HP 1400RPM 115PSC	FTSH/FTSC	08-12	A/B
			TSF/TSC/TSB	101-121	G
			TSH/TSC	081-121	F
S80-011	106163014	Motor 1/15HP 1250RPM 115	FHSS/FKZZ	04	A
S89-992	106163019	Motor, .066HP 115/60/1	FTSF/FTPF/FTSS/FTSB	03-04	A/B
			TSF/TSB	031-041	E
			TSF/TSB	041-061	D
S80-024	106163021	Motor 1/30HP 115/60/1	FTSF/FTPF/FTSS/FTSB	02	A/B
			TSF/TSB	021	E
			TSF/TSB	021-031	D
S80-071	106646501	Motor 1/8HP 208/230	CCH/CCG/CCW	009/012	A/B/C
			CCH/CCG/CCW	009/012	C
			FCV/FCG/FCW	012	A/B
			HWH/HWG/HWW	009/012	C
			VWH/VWG/VWW	12	B
			WCD*/WCM*	009/012	A/B
			WFD*/WFM*	012	A/B
S80-072	106646502	Motor 1/8HP 265/60/1	CCH/CCG/CCW	009/012	A/B/C
			FCV/FCG/FCW	012	B
			HWH/HWG/HWW	009/012	C
			VWH/VWG/VWW	12	B
			WCD*/WCM*	009/012	A/B
			WFD*/WFM*	012	A/B
S80-093	107422101	Motor Ext Rotor & Fan 120V	TSF/TSC/TSB	021	G
S80-036	107654201	Motor 1/3HP 825RPM 115	AH	500-2000CFM	A/B/C
			SG	Series 3000-8000	A/B/C/D
			UAH*	750-2000CFM	D/E
S80-058	802024134	Motor 1/6HP 1050RPM 277V	VF	100-140	H
			VF/VP/VG	070-140	E/F/G
			VF/VP/VG	080-100	C
			VF/VP/VG	140-190	A
S80-029	802024210	Motor 1/30HP790-1050RPM115V	J/EJ	7/10	B
			J/EJ/MQC	6/9	C
			K/EK	6/9	H
			K/EK	7/10	F
			MEK/PKEC/PKEI/PKES	007/009	A
S80-028	802024211	Motor 1/30HP790-1050RPM 208	J/EJ	7-12	B
			J/EJ/MQC	6-11	C
			K/EK	9	H
			K/EK	9-14	L
			K/EK	11/14	H
			K/EK	12/15	F
			MEJ/PMEJ/PMEH	7-12	A
			MEK/PKEC/PKEI/PKES	007-014	A
			RK	009-014	L

continued on next page

Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
S80-086	802024306	Motor 790-1050RPM 265	J/EJ/MQC K/EK K/EK MEJ/PMEJ/PMEH MEK/PKEC/PKEI/PKES RK	6-11 6-14 6-14 7-12 007-014 006-014	C H L A A L
S58-933	802024314	Motor 1/4HP 1675RPM 208-230	K/EK MEK/PKEC/PKEI/PKES RK	14 014 014	H/L A L
S80-054	802024315	Motor 1/4HP1675RPM 230-260	K/EK MEK/PKEC/PKEI/PKES RK	14 014 014	H/L A L
S80-063	802024355	Motor 1/6HP 1625RPM 208-230	J/EJ/MQC K/EK MEJ/PMEJ/PMEH MEK/PKEC/PKEI/PKES RK	6-11 6-11 7-12 007-012 006/009/011	C L A A L
S80-064	802024356	Motor 1/6HP 1625RPM 265	J/EJ J/EJ/MQC K/EK MEJ/PMEJ/PMEH MEK/PKEC/PKEI/PKES RK	7/10 6-11 6-11 7-12 007-012 006/009/011	B C L A A L
S80-033	KVDQ5938	Motor 1/3HP 1075RPM 460	AE/AZ AE/AZ	24-40MBH 24-42MBH	C A/B
S80-019	LADQ5949	Motor 1/2HP 1075RPM 115	AH UAH* XG/VG/WG/SG	500-2000CFM 750-2000CFM Series 3000-8000	A/B/C D/E A/B
S80-080	MVCQ5978	Motor 3/4HP 1625RPM 460	AE/AZ AE/AZ	44-54MBH 48-54MBH	C A/B
S80-048	063353701	Motor 1/4HP 1200RPM 115 PSC	24-54MBH 500-2000CFM 500-2000CFM	C C D	C C D

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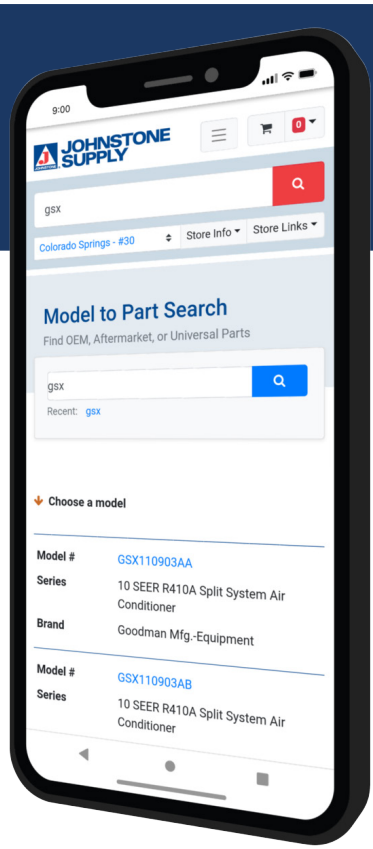

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Motors - Hardware


A


B


C


D

Fig.	Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
A	**S58-930**	000134500	Motor Mount 56 Frame Strap	FTSF/FTPF/FTSS/FTSB	02-12	A/B
				FTSH/FTSC	03-12	A/B
				K/EK	6-14	H
				K/EK	6 - 14	L
				K/EK	016-022	G
				MEK/PKES/MHK/PKHS	019-022	A
				TSF/TSB	021-121	D
				TSF/TSB	021-121	E
				TSF/TSC/TSB	041-061	G
				TSH/TSC	031-121	F
				TSH/TSC/TBH/TCH	021-121	D
				TSH/TSC/TCH	061-121	E
B	**S58-925**	028844601	Motor Mount	FHSS/FKZZ	04	A
				HSB	030	B
				HSB	30	B
				HSB	020-040	A
				TBH/TCH/TSH	021-063	C
				TSB/TSF/TSC	021-061	C
				TSF/TSB	021-061	D
				TSH/TSC/TBH/TCH	041	D
				TSH/TSC/TCH	041/101	E
				TSH/TSC/TCH	041-101	E
B	**S58-926**	028844603	Motor Mount	CHF/FCHF	06-08	A
				FTSF/FTPF/FTSS/FTSB	02	A/B
				HSB	040	B
				HSB	40	B
				TBH/TCH/TSH	083	C
				TSB/TSF/TSC	041-061	C
				TSF/TSB	021	E
				TSF/TSB	021-031	D
				TSH/TSC/TBH/TCH	061-081	D
				TSH/TSC/TCH	061-121	E
				TSH/TSC/TCH	061-121	E
B	**S58-924**	028844605	Motor Mount	CHF/FCHF	03-04	A
C	**G32-959**	066534601	Clip, Wheel Mounting	CWH/CWG/CWK/CWC/CWJ	007-019	B
				FTSF/FTPF/FTSS/FTSB	02-06	A/B
				HSB	030-040	C
				TSF/TSB	021-061	E
				TSH/TSC/TCH	061-121	E
				WMH/WMG/WMK/WCH/WCG	007-019	B
D	**L41-229**	GCA500015A	Coupling 1.25"IDX.63/.50ID	AE/AR/AZ	24-42MBH	A/B
				AV/AH	500-2000CFM	A/B/C
				SG	Series 3000-8000	A/B
				UAV*/UAH*	750-2000CFM	D/E
				XG/VG/WG	Series 2000-6000	A/B/C/D
				XR	2000/9000	A

Refrigeration - Expansion Valves

Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
B17-014	111011635	Valve EXP to 11 Ton 1/2" IN x 7/8" OUT	LGP/LHP/LWP	07-12	C/D
			LGP/LHP/LWP	15-27	C/D
			LGP/LHP/LWP	18-22/15-25	A/B
			LGP/LHP/LWP	8-11/7-12	A/B
			VWH/VWG/VWW	07-12	C/D
			VWH/VWG/VWW	15-27	C/D
			WLAG/WLD*/WLM*	070-121	A/B
			WLAG/WLD*/WLM*	180-290	A
B15-109	668043001	Expansion Valve	J/EJ	7-12	B
			J/EJ/MQC	6-11	C
			K/EK	7-15	F
			K/EK	016-022	G
			MEJ/PMEJ/PMEH	007-012	A
			MEK/PKES	019-022	A

Refrigeration - Reversing Valves

Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
B15-102	067284101	Valve Rev 1/2-1 Ton	CWH/CWC/CWK/ WMH/WCH/WMK WWD*/WWL*/WWM*	012 012	C A/B

Refrigeration - Solenoid Coil

Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
B15-122	066541903	Valve Solenoid Rev 208-240V	VF	100-330	H

Refrigeration - Strainer/Distributors

Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
B15-094	060628802	Strainer	CCH/CCG/CCW	012	C
			CCH/CCG/CCW	007-012	A/B
			CWH/CWC/CWK	012/015	C
			CWH/CWG/CWK/ CWC/CWJ	012/015 015	B B
			FCV/FCG/FCW	012/015	A
			FCV/FCG/FCW	012	C
			HWH/HWG/HWW	100-140	H
			VF	015	B
			VWH/VWG/VWW	012	A/B
			WCD*/WCM*	015	A
			WFD*/WFM*	012	C
			WMH/WCH/WMK	012/015	A
			WMH/WMG/WMK	012-015	B
			WMH/WMG/WMK/ WCH/WCG WWD*/WWL*/WWM*	012	A/B

Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
B15-095	060628806	Strainer	CWH/CWC/CWK/ WMH/WCH/WMK VWH/VWG/VWW	019 024	C B
B15-091	063064401	Strainer	HWH/HWW	006-009	D
B15-093	802001047	Strainer Cap Assembly	J/EJ	7-12	B
			J/EJ/MQC	6-11	C
			K/EK	6 - 14	H/L
			K/EK	7-15	F
			K/EK	016-022	G
B15-067	802001125	Cool Strainer	K/EK	6 - 14	L
			MEJ/PMEJ/PMEH	007-012	A
			MEK/PKEC/PKEI/ PKES RK	007-014 6-14	A L

Water Valve



Order #	Mfg. #	Description	Replaces Model #	Replaces Units Sizes	Replaces Vintage
S58-920	037525002	Gear motor 6RPM 120V 5W	HSB	030-080	B
			TSH/TSC/TCH	061-121	E

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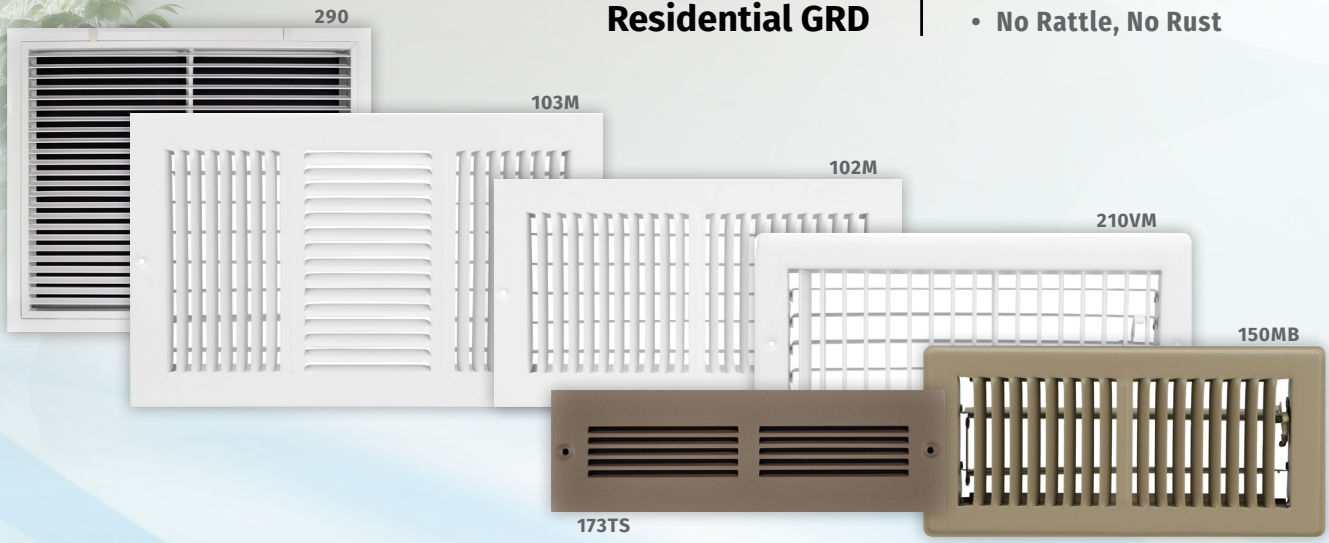

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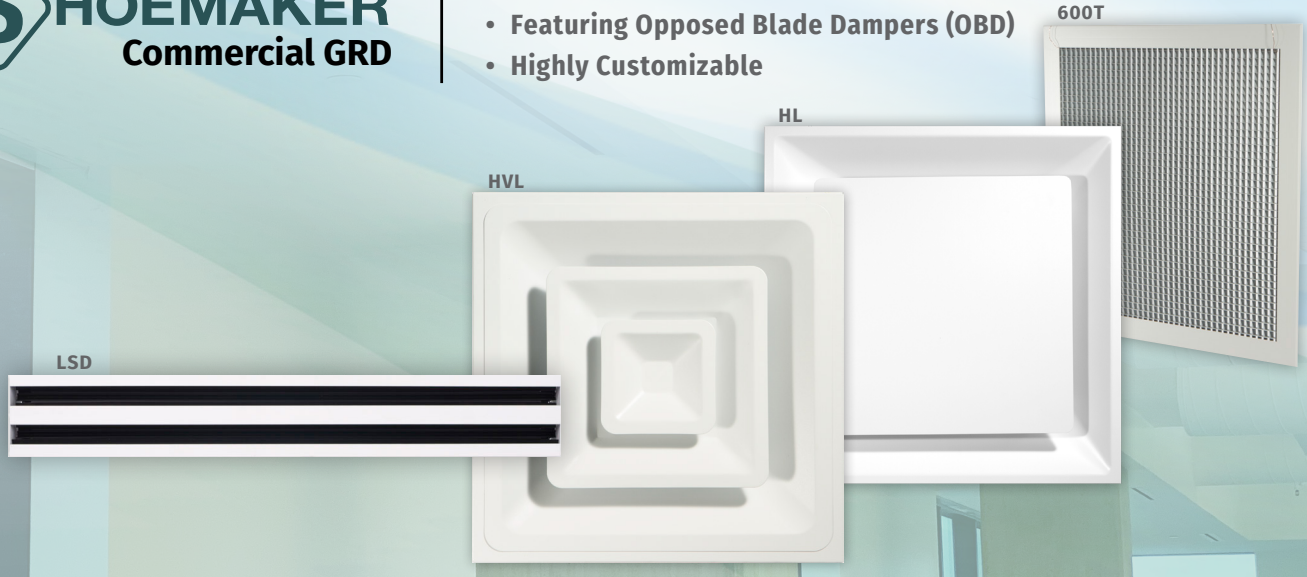



Electrical

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Access Fittings 1086-1094
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Black/Brass/Galvanized Nipples 1059-1063
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Coil Cleaners 1124-1133
Compression Fittings 1080-1081
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Condensate Drain Pans & Switches 992
Condensate Pumps 985-990
Condensate Switches 993-997
Condensate Traps 997-1001
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Condensing Unit Pads 981-982
Copper Pipe 1014-1015
Duct Accessories 937-938
Duct Board, Wrap & Liner 942-944
Duct Hardware 938-941
Duct Ties 969-970
Flare Fittings, Refrigeration 1081-1085
Flare Fittings, Rod Stock 1078-1080
Flex Duct & Strapping 944-950
Flexible Gas Line 1050-1054
Flush 1139-1140
Gas Appliance Connectors 1055-1058
Glycols 1134-1135
Hand Cleaners 1110
Hoses 1118-1119
HVACR Chemicals 1119-1120
Ice Machine Cleaners 1133-1134
Industrial Sprays 1113-1114
Insulation 1044,1046-1049
Leak Sealant & Detectors 1135-1138
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Line Sets 1010-1014
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Lubricants 1112-1113
Mounting Supplies 1098-1104
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Plastic Tubing Fittings 1003
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Press Fittings 1024-1043
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Strut 1104-1106
Tapes 970-973
Tubing 1001-1003
Venting Supplies 965-967
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A



B



C

Fig.	Order #	Description	Size (W x H)	Carton Qty.	Each	10 Lot
A	**L89-066**	661 2-Way	6" x 4"	10	**59.00**	**49.99**
A	**L89-067**	661 2-Way	6" x 6"	10	**48.49**	**43.99**
A	**L88-574**	661 2-Way	8" x 4"	10	**46.49**	**41.99**
A	**L88-575**	661 2-Way	8" x 6"	10	**48.49**	**43.49**
A	**L88-576**	661 2-Way	8" x 8"	10	**69.00**	**65.00**
A	**L88-199**	661 2-Way	10" x 4"	20	**29.99**	**26.99**
A	**L88-200**	661 2-Way	10" x 6"	20	**28.99**	**25.99**
A	**L88-577**	661 2-Way	10" x 8"	10	**69.00**	**65.00**
A	**L89-068**	661 2-Way	10" x 10"	10	**95.00**	**85.00**
A	**L88-201**	661 2-Way	12" x 4"	20	**31.49**	**28.49**
A	**L88-202**	661 2-Way	12" x 6"	20	**39.99**	**35.99**
A	**L88-578**	661 2-Way	12" x 8"	10	**75.00**	**65.00**
A	**L89-069**	661 2-Way	12" x 10"	10	**125.00**	**115.00**
A	**L88-203**	661 2-Way	14" x 4"	10	**55.00**	**45.49**
A	**L88-579**	661 2-Way	14" x 6"	20	**43.99**	**39.49**
A	**L88-580**	661 2-Way	14" x 8"	10	**65.00**	**59.00**
A	**L88-581**	661 2-Way	16" x 8"	10	**125.00**	**115.00**
A	**L89-070**	661 2-Way	18" x 6"	10	**179.00**	**165.00**
A	**L89-071**	661 2-Way	30" x 6"	6	**369.00**	**335.00**
A	**L88-204**	682 2-Way	8" x 4"	10	**41.49**	**36.99**
A	**L88-582**	682 2-Way	8" x 6"	10	**48.49**	**43.49**
A	**L88-583**	682 2-Way	8" x 8"	10	**46.49**	**41.99**
A	**L88-205**	682 2-Way	10" x 4"	20	**27.99**	**25.49**
A	**L88-206**	682 2-Way	10" x 6"	20	**36.49**	**32.99**
A	**L88-584**	682 2-Way	10" x 8"	10	**55.00**	**46.99**
A	**L88-585**	682 2-Way	10" x 10"	10	**95.00**	**85.00**
A	**L88-207**	682 2-Way	12" x 4"	20	**27.99**	**25.49**
A	**L88-208**	682 2-Way	12" x 6"	20	**34.99**	**31.49**
A	**L88-586**	682 2-Way	12" x 8"	10	**65.00**	**59.00**
A	**L88-587**	682 2-Way	14" x 4"	10	**45.99**	**41.49**
A	**L88-209**	682 2-Way	14" x 6"	20	**43.99**	**39.49**
A	**L88-210**	682 2-Way	14" x 8"	10	**65.00**	**59.00**

Fig.	Order #	Description	Size (W x H)	Carton Qty.	Each	10 Lot
A	**L89-905**	682 2-Way	16" x 6"	10	**105.00**	**95.00**
A	**L89-906**	682 2-Way	16" x 8"	10	**125.00**	**115.00**
A	**L88-588**	682 2-Way	20" x 6"	6	**195.00**	**179.00**
A	**L89-072**	682 2-Way	20" x 8"	6	**269.00**	**245.00**
B	**L88-569**	631 3-Way	8" x 4"	10	**44.99**	**40.49**
B	**L88-570**	631 3-Way	10" x 4"	20	**45.99**	**41.49**
B	**L88-286**	631 3-Way	10" x 6"	20	**38.49**	**34.99**
B	**L88-571**	631 3-Way	12" x 4"	20	**59.00**	**55.00**
B	**L88-287**	631 3-Way	12" x 6"	20	**55.00**	**47.49**
B	**L88-572**	631 3-Way	12" x 8"	10	**85.00**	**79.00**
B	**L88-573**	631 3-Way	14" x 6"	20	**65.00**	**55.00**
B	**L88-589**	683 3-Way	6" x 6"	10	**40.49**	**36.49**
B	**L88-211**	683 3-Way	8" x 4"	10	**27.99**	**24.99**
B	**L88-590**	683 3-Way	8" x 6"	10	**55.00**	**46.99**
B	**L88-591**	683 3-Way	8" x 8"	10	**59.00**	**55.00**
B	**L88-212**	683 3-Way	10" x 4"	20	**40.49**	**36.49**
B	**L88-213**	683 3-Way	10" x 6"	20	**27.49**	**24.99**
B	**L88-592**	683 3-Way	10" x 8"	10	**39.99**	**35.99**
B	**L88-593**	683 3-Way	10" x 10"	10	**95.00**	**85.00**
B	**L88-594**	683 3-Way	12" x 4"	20	**41.99**	**37.49**
B	**L88-214**	683 3-Way	12" x 6"	20	**28.49**	**25.99**
B	**L88-595**	683 3-Way	12" x 8"	10	**59.00**	**55.00**
B	**L88-596**	683 3-Way	12" x 12"	10	**119.00**	**105.00**
B	**L88-597**	683 3-Way	14" x 4"	10	**69.00**	**65.00**
B	**L88-215**	683 3-Way	14" x 6"	20	**35.49**	**31.99**
B	**L88-216**	683 3-Way	14" x 8"	10	**59.00**	**55.00**
C	**L88-598**	684 4-Way	6" x 6"	10	**34.99**	**31.49**
C	**L88-217**	684 4-Way	8" x 8"	10	**35.99**	**32.49**
C	**L88-218**	684 4-Way	10" x 10"	10	**55.00**	**46.99**
C	**L88-219**	684 4-Way	12" x 12"	10	**85.00**	**75.00**
C	**L88-599**	684 4-Way	14" x 14"	6	**145.00**	**135.00**
C	**L88-600**	684 4-Way	16" x 16"	10	**275.00**	**245.00**

HART COOLEY

Curved Blade Sidewall/Ceiling Registers

- All steel construction
- Multi-shutter valve
- White



A



B



C



D

Fig.	Order #	Description	Size (W x H)	Carton Qty.	Each	10 Lot
A	**L88-220**	301 1-Way	8" x 4"	10	**55.00**	**47.99**
A	**L88-221**	301 1-Way	10" x 6"	20	**59.00**	**55.00**
A	**L88-601**	301 1-Way	10" x 8"	10	**79.00**	**75.00**
A	**L88-222**	301 1-Way	12" x 6"	20	**65.00**	**59.00**
A	**L88-602**	301 1-Way	12" x 8"	10	**75.00**	**69.00**
A	**L88-603**	301 1-Way	14" x 6"	20	**75.00**	**65.00**
A	**L88-604**	301 1-Way	14" x 8"	10	**89.00**	**79.00**
B	**L89-073**	302 2-Way	12" x 8"	10	**65.00**	**59.00**
B	**L89-074**	302 2-Way	14" x 8"	10	**85.00**	**75.00**
C	**L88-605**	303 3-Way	8" x 4"	10	**41.99**	**37.99**
C	**L88-606**	303 3-Way	10" x 6"	20	**45.49**	**40.99**
C	**L88-607**	303 3-Way	12" x 6"	20	**55.00**	**46.99**
D	**L88-608**	304 4-Way	6" x 6"	10	**69.00**	**65.00**
D	**L88-609**	304 4-Way	8" x 8"	10	**79.00**	**69.00**
D	**L88-610**	304 4-Way	10" x 10"	10	**85.00**	**75.00**
D	**L88-611**	304 4-Way	12" x 12"	10	**85.00**	**75.00**
D	**L88-612**	304 4-Way	14" x 14"	10	**169.00**	**155.00**

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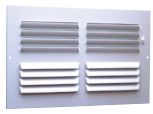
Aluminum Curved Blade Sidewall/Ceiling Registers

HART COOLEY

- Stamped aluminum construction
- Multi-shutter valve
- White


A


B


C


D

Fig.	Order #	Description	Size (W x H)	Carton Qty.	Each	10 Lot
A	**L88-917**	A301 1-Way	8" x 4"	10	**65.00**	**55.00**
A	**L88-918**	A301 1-Way	8" x 6"	10	**65.00**	**55.00**
A	**L88-919**	A301 1-Way	10" x 6"	20	**85.00**	**75.00**
A	**L88-920**	A301 1-Way	10" x 8"	10	**99.00**	**89.00**
A	**L88-921**	A301 1-Way	12" x 6"	20	**79.00**	**75.00**
A	**L88-922**	A301 1-Way	12" x 8"	10	**115.00**	**105.00**
A	**L88-923**	A301 1-Way	14" x 6"	20	**119.00**	**109.00**
B	**L89-075**	A302 2-Way	10" x 10"	10	**125.00**	**109.00**
C	**L88-924**	A303 3-Way	6" x 6"	10	**89.00**	**79.00**
C	**L88-925**	A303 3-Way	8" x 4"	10	**59.00**	**55.00**

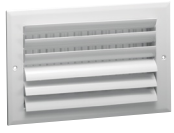
Fig.	Order #	Description	Size (W x H)	Carton Qty.	Each	10 Lot
C	**L88-926**	A303 3-Way	8" x 8"	10	**89.00**	**79.00**
C	**L88-927**	A303 3-Way	10" x 6"	20	**79.00**	**75.00**
C	**L89-076**	A303 3-Way	10" x 8"	10	**125.00**	**115.00**
C	**L88-928**	A303 3-Way	12" x 6"	20	**109.00**	**99.00**
C	**L89-077**	A303 3-Way	12" x 8"	10	**165.00**	**145.00**
C	**L89-078**	A303 3-Way	14" x 6"	20	**95.00**	**85.00**
D	**L89-079**	A304 4-Way	6" x 6"	10	**85.00**	**75.00**
D	**L88-929**	A304 4-Way	8" x 8"	10	**89.00**	**85.00**
D	**L88-930**	A304 4-Way	10" x 10"	10	**109.00**	**99.00**
D	**L88-931**	A304 4-Way	12" x 12"	10	**185.00**	**165.00**

Aluminum Sidewall/Ceiling Registers

HART COOLEY

- Adjustable curved blades increase deflection control
- For sidewall or ceiling applications
- Multi-shutter valve
- White


A


B


C

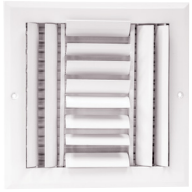

D

Fig.	Order #	Description	Size (W x H)	Carton Qty.	Each	10 Lot
A	**L89-081**	A611OB 1-Way	10" x 6"	12	**159.00**	**145.00**
A	**L88-330**	A611MS 1-Way	8" x 4"	12	**28.49**	**25.99**
A	**L88-613**	A611MS 1-Way	8" x 8"	12	**95.00**	**85.00**
A	**L88-614**	A611MS 1-Way	10" x 4"	24	**95.00**	**85.00**
A	**L88-331**	A611MS 1-Way	10" x 6"	24	**39.49**	**35.49**
A	**L88-615**	A611MS 1-Way	10" x 8"	12	**75.00**	**65.00**
A	**L88-616**	A611MS 1-Way	10" x 10"	12	**85.00**	**79.00**
A	**L88-617**	A611MS 1-Way	12" x 4"	24	**79.00**	**69.00**
A	**L88-332**	A611MS 1-Way	12" x 6"	24	**45.99**	**41.49**
A	**L88-333**	A611MS 1-Way	12" x 8"	12	**55.00**	**46.99**
A	**L88-618**	A611MS 1-Way	12" x 12"	12	**105.00**	**95.00**
A	**L89-082**	A611MS 1-Way	14" x 4"	12	**119.00**	**105.00**
A	**L88-619**	A611MS 1-Way	14" x 6"	24	**75.00**	**65.00**
A	**L88-620**	A611MS 1-Way	14" x 8"	12	**95.00**	**85.00**
B	**L88-621**	A612MS 2-Way	10" x 6"	24	**65.00**	**59.00**
B	**L88-622**	A612MS 2-Way	10" x 10"	12	**85.00**	**75.00**
B	**L88-623**	A612MS 2-Way	12" x 6"	24	**69.00**	**65.00**
B	**L88-624**	A612MS 2-Way	12" x 8"	12	**75.00**	**65.00**
B	**L88-625**	A612MS 2-Way	12" x 12"	12	**75.00**	**69.00**
B	**L88-626**	A612MS 2-Way	14" x 6"	24	**75.00**	**69.00**

Fig.	Order #	Description	Size (W x H)	Carton Qty.	Each	10 Lot
B	**L89-083**	A612MS 2-Way	14" x 8"	12	**129.00**	**119.00**
C	**L88-627**	A613MS 3-Way	6" x 6"	12	**135.00**	**125.00**
C	**L88-628**	A613MS 3-Way	8" x 4"	12	**65.00**	**55.00**
C	**L88-629**	A613MS 3-Way	8" x 8"	12	**139.00**	**125.00**
C	**L88-630**	A613MS 3-Way	10" x 4"	24	**155.00**	**145.00**
C	**L88-631**	A613MS 3-Way	10" x 6"	24	**69.00**	**65.00**
C	**L88-632**	A613MS 3-Way	10" x 8"	12	**215.00**	**195.00**
C	**L88-633**	A613MS 3-Way	10" x 10"	12	**139.00**	**125.00**
C	**L88-634**	A613MS 3-Way	12" x 6"	24	**55.00**	**45.49**
C	**L88-635**	A613MS 3-Way	12" x 8"	12	**125.00**	**115.00**
C	**L88-636**	A613MS 3-Way	12" x 12"	12	**175.00**	**159.00**
C	**L88-637**	A613MS 3-Way	14" x 6"	24	**149.00**	**135.00**
C	**L88-638**	A613MS 3-Way	14" x 8"	12	**129.00**	**115.00**
C	**L88-639**	A613MS 3-Way	14" x 14"	12	**185.00**	**165.00**
D	**L88-640**	A614MS 4-Way	6" x 6"	12	**115.00**	**105.00**
D	**L88-641**	A614MS 4-Way	8" x 8"	12	**125.00**	**115.00**
D	**L88-642**	A614MS 4-Way	10" x 10"	12	**79.00**	**69.00**
D	**L88-643**	A614MS 4-Way	12" x 12"	12	**125.00**	**115.00**
D	**L88-644**	A614MS 4-Way	14" x 14"	12	**155.00**	**139.00**

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A618MS Aluminum Sidewall Multi-Shutter Registers

- Adjustable straight fins provide individual deflection control
- Stamped face margins eliminate mitered corners
- Multi-shutter valve
- White

Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L88-334	6" x 6"	12	**69.00**	**65.00**
L88-647	8" x 4"	12	**55.00**	**48.49**
L88-648	8" x 6"	12	**75.00**	**69.00**
L88-335	8" x 8"	12	**79.00**	**75.00**
L88-336	10" x 4"	24	**65.00**	**59.00**
L88-337	10" x 6"	24	**65.00**	**59.00**

Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L88-649	10" x 8"	12	**85.00**	**79.00**
L88-650	10" x 10"	12	**89.00**	**85.00**
L88-338	12" x 4"	24	**75.00**	**69.00**
L88-339	12" x 6"	24	**85.00**	**75.00**
L88-340	12" x 8"	12	**89.00**	**79.00**
L88-651	12" x 12"	12	**119.00**	**109.00**

Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L88-652	14" x 4"	12	**99.00**	**89.00**
L88-341	14" x 6"	24	**99.00**	**89.00**
L88-342	14" x 8"	12	**109.00**	**99.00**
L88-653	14" x 14"	12	**165.00**	**149.00**

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651 Sidewall Registers

- All steel construction
- 1/3" spaced fins set at 20°
- Volume-control Damper
- White

Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L88-891	10" x 6"	20	**79.00**	**75.00**
L88-892	12" x 6"	20	**85.00**	**75.00**
L88-893	14" x 6"	10	**105.00**	**95.00**

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A



B

Plastic Sidewall/Ceiling Registers

- Engineered polymer construction
- Multi-shutter damper
- White

Fig.	Order #	Description	Size (W x H)	Carton Qty.	Each	10 Lot
A	**L89-240**	RZ682 2-Way	8" x 4"	20	**28.99**	**26.49**
B	**L89-241**	RZ683 3-Way	10" x 6"	20	**49.99**	**44.99**
B	**L89-242**	RZ683 3-Way	12" x 6"	20	**55.00**	**49.49**
B	**L89-243**	RZ683 3-Way	14" x 6"	20	**48.99**	**44.49**

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210 Floor Registers

- All steel construction
- Toe-operated Valve Control
- Brown

Order #	Size (D x W)	Carton Qty.	Each	10 Lot
L88-874	4" x 8"	10	**135.00**	**119.00**
L88-875	4" x 10"	10	**145.00**	**129.00**
L88-876	4" x 12"	10	**159.00**	**145.00**
L88-877	6" x 10"	10	**135.00**	**125.00**

Order #	Size (D x W)	Carton Qty.	Each	10 Lot
L88-878	6" x 12"	10	**165.00**	**149.00**
L88-879	6" x 14"	10	**179.00**	**165.00**
L88-880	8" x 10"	10	**149.00**	**135.00**
L88-881	8" x 12"	10	**195.00**	**179.00**

Order #	Size (D x W)	Carton Qty.	Each	10 Lot
L88-882	8" x 14"	10	**199.00**	**179.00**
L88-883	9" x 12"	10	**205.00**	**185.00**
L88-884	10" x 12"	5	**205.00**	**185.00**
L88-885	12" x 14"	5	**235.00**	**209.00**

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421 Floor Diffusers

- All steel construction
- Foot-operated Dial Control

Order #	Size (D x W)	Color	Carton Qty.	Each	10 Lot
L88-165	2" x 10"	Brown	30	**26.49**	**23.49**
L88-166	2" x 12"	Brown	30	**23.49**	**20.99**
L88-656	2" x 14"	Brown	30	**38.49**	**34.49**
L88-658	4" x 8"	Brown	20	**26.49**	**23.49**
L88-167	4" x 10"	Brown	20	**17.49**	**15.99**
L88-168	4" x 12"	Brown	20	**24.99**	**22.49**
L88-169	4" x 14"	Brown	20	**37.49**	**33.49**
L88-660	6" x 10"	Brown	10	**55.00**	**47.49**
L88-662	6" x 12"	Brown	10	**55.00**	**46.99**
L88-664	6" x 14"	Brown	10	**75.00**	**69.00**

Order #	Size (D x W)	Color	Carton Qty.	Each	10 Lot
L88-654	2" x 10"	White	30	**20.99**	**18.99**
L88-655	2" x 12"	White	30	**25.49**	**22.99**
L88-657	2" x 14"	White	30	**35.99**	**32.49**
L88-659	4" x 8"	White	20	**29.99**	**26.99**
L88-170	4" x 10"	White	20	**21.49**	**19.49**
L88-171	4" x 12"	White	20	**24.99**	**22.49**
L88-172	4" x 14"	White	20	**42.49**	**38.49**
L88-661	6" x 10"	White	10	**55.00**	**49.49**
L88-663	6" x 12"	White	10	**65.00**	**59.00**
L88-665	6" x 14"	White	10	**79.00**	**75.00**

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350 Floor Diffusers

- Textured finish
- All steel construction
- Foot operated damper



Order #	Size (D x W)	Color	Carton Qty.	Each	10 Lot
L89-041	2" x 10"	Brown	30	41.49	37.49
L89-042	2" x 12"	Brown	30	34.99	31.49
L89-043	2" x 14"	Brown	30	43.49	38.99
L89-044	4" x 8"	Brown	20	33.99	30.49
L89-045	4" x 10"	Brown	20	36.99	33.49
L89-046	4" x 12"	Brown	20	43.49	38.99
L89-047	4" x 14"	Brown	20	59.00	55.00
L89-048	6" x 10"	Brown	10	65.00	59.00
L89-049	6" x 12"	Brown	10	65.00	59.00
L89-050	6" x 14"	Brown	10	75.00	69.00

Order #	Size (D x W)	Color	Carton Qty.	Each	10 Lot
L89-051	2" x 10"	White	30	45.99	41.49
L89-052	2" x 12"	White	30	36.49	32.99
L89-053	2" x 14"	White	30	43.49	38.99
L89-054	4" x 8"	White	20	25.49	22.99
L89-055	4" x 10"	White	20	36.99	33.49
L89-056	4" x 12"	White	20	44.49	39.99
L89-057	4" x 14"	White	20	59.00	55.00
L89-058	6" x 10"	White	10	65.00	59.00
L89-059	6" x 12"	White	10	79.00	69.00
L89-060	6" x 14"	White	10	75.00	69.00

411 Deluxe Floor Diffusers

- All steel construction
- Foot operated dial control
- Multi-angle fin setting
- Heavy-duty individually welded diffusion vanes



Order #	Size (D x W)	Color	Carton Qty.	Each	10 Lot
L89-084	2" x 10"	Brown	20	105.00	95.00
L88-282	2" x 12"	Brown	20	109.00	95.00
L88-283	2" x 14"	Brown	20	119.00	109.00
L88-285	4" x 10"	Brown	10	105.00	95.00
L89-085	4" x 10"	White	10	115.00	105.00
L88-284	4" x 12"	Brown	10	115.00	99.00

Order #	Size (D x W)	Color	Carton Qty.	Each	10 Lot
L89-086	4" x 12"	White	10	119.00	109.00
L88-666	4" x 14"	Brown	10	129.00	119.00
L88-667	6" x 10"	Brown	10	139.00	125.00
L88-668	6" x 12"	Brown	10	155.00	139.00
L88-669	6" x 14"	Brown	10	189.00	169.00

531 Floor Diffusers

- Aluminum face
- Corrosion resistant, high strength
- Dual multi-shutter valves for adjustable air pattern
- Satin anodized finish



Order #	Size (D x W)	Carton Qty.	Each	10 Lot
L89-089	2" x 14"	10	225.00	199.00
L89-088	2" x 12"	10	185.00	165.00
L89-087	2" x 10"	10	179.00	165.00

Order #	Size (D x W)	Carton Qty.	Each	10 Lot
L88-886	4" x 10"	10	179.00	165.00
L88-887	4" x 12"	10	205.00	185.00
L88-888	4" x 14"	10	265.00	239.00

Order #	Size (D x W)	Carton Qty.	Each	10 Lot
L88-889	6" x 10"	10	269.00	239.00
L88-890	6" x 12"	10	295.00	265.00
L89-090	6" x 14"	10	305.00	275.00

420 Toe-Space Grilles

- Heavy gauge stamped face
- Multi-angle fins



Order #	Size (W x H)	Color	Carton Qty.	Each	10 Lot
L88-248	10" x 2"	White	15	21.49	19.49
L88-249	12" x 2"	White	15	20.99	18.99
L88-773	14" x 2"	White	15	30.99	27.99

Order #	Size (W x H)	Color	Carton Qty.	Each	10 Lot
L88-770	10" x 2"	Brown	15	20.49	18.49
L88-771	12" x 2"	Brown	15	22.99	20.49
L88-772	14" x 2"	Brown	15	31.49	28.49

Baseboard Registers

- All steel construction
- 1/3" spaced fins set at 20°
- Volume-control Damper
- 664 models include multi-shutter valve
- White



A



B

Fig.	Order #	Description	Size (W x H)	Carton Qty.	Each	10 Lot
A	**L89-096**	654	12" x 6"	20	**95.00**	**85.00**
A	**L89-097**	654	14" x 6"	10	**105.00**	**95.00**
B	**L88-900**	655	8" x 6"	8	**105.00**	**95.00**
B	**L88-901**	655	10" x 6"	8	**109.00**	**99.00**
B	**L88-894**	655	12" x 6"	8	**115.00**	**105.00**

Fig.	Order #	Description	Size (W x H)	Carton Qty.	Each	10 Lot
B	**L88-895**	655	14" x 6"	8	**119.00**	**109.00**
A	**L88-909**	664	10" x 6"	20	**69.00**	**59.00**
A	**L88-910**	664	12" x 6"	20	**79.00**	**75.00**
A	**L89-098**	664	14" X 6"	20	**95.00**	**85.00**

Baseboard Return Air Grilles

- 1/3" spaced fins set at 20°
- One-piece steel construction



A



B

Fig.	Order #	Description	Color	Size (W x H)	Carton Qty.	Each	10 Lot
A	**L89-099**	657	White	10" x 6"	10	**45.49**	**40.99**
A	**L88-313**	657	White	12" x 6"	10	**44.49**	**39.99**
A	**L88-314**	657	Brown	14" x 6"	20	**33.99**	**30.99**
A	**L88-315**	657	White	14" x 6"	20	**27.99**	**24.99**
A	**L88-316**	657	White	14" x 8"	10	**43.99**	**39.99**
A	**L88-317**	657	White	14" x 10"	10	**65.00**	**59.00**
A	**L88-318**	657	White	16" x 6"	10	**59.00**	**55.00**
A	**L88-319**	657	White	24" x 6"	10	**59.00**	**55.00**
A	**L88-320**	657	White	24" x 8"	10	**75.00**	**65.00**
A	**L89-100**	657	White	24" x 12"	10	**145.00**	**135.00**
A	**L89-101**	657	Brown	30" x 6"	10	**40.49**	**36.49**

Fig.	Order #	Description	Color	Size (W x H)	Carton Qty.	Each	10 Lot
A	**L88-321**	657	White	30" x 6"	10	**44.99**	**40.49**
A	**L88-322**	657	White	30" x 8"	10	**85.00**	**79.00**
A	**L88-688**	657	White	30" x 10"	10	**119.00**	**109.00**
B	**L88-902**	658	White	12" x 6"	8	**69.00**	**59.00**
B	**L88-903**	658	White	14" x 6"	8	**69.00**	**65.00**
B	**L88-905**	658	White	24" x 6"	8	**95.00**	**85.00**
B	**L88-907**	658	White	30" x 6"	8	**109.00**	**99.00**
B	**L88-904**	658	White	14" x 8"	8	**85.00**	**75.00**
B	**L88-906**	658	White	24" x 8"	8	**129.00**	**119.00**
B	**L88-908**	658	White	30" x 8"	8	**159.00**	**145.00**

Baseboard Diffusers/Return Air Grilles

- All steel construction
- Equal air distribution over the length of the diffuser
- Both 2' and 4' lengths



Order #	Description	Color	Length	Carton Qty.	Each	10 Lot
L88-896	462 Diffuser	White	2'	12	**135.00**	**125.00**
L88-897	464 Diffuser	White	4'	4	**195.00**	**175.00**
L89-102	464 Diffuser	Brown	4'	4	**195.00**	**175.00**

Baseboard Diffusers

- Plate damper



Order #	Description	Color	Length	Carton Qty.	Each	10 Lot
L88-775	406 Diffuser	White	15"	10	**65.00**	**59.00**
L89-908	406 Diffuser	Brown	15"	10	**65.00**	**55.00**
L88-223	406 Diffuser	White	18"	12	**59.00**	**55.00**
L88-774	406 Diffuser	Brown	18"	12	**65.00**	**59.00**
L88-776	407 Return	Brown	18"	12	**69.00**	**59.00**
L88-777	407 Return	White	18"	12	**69.00**	**59.00**

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672 Return Air Grilles

- 1/2" fin spacing
- White



Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L89-103	6" x 6"	20	18.99	16.99
L89-104	8" x 4"	10	20.49	18.49
L88-730	8" x 8"	10	23.49	21.49
L88-731	10" x 4"	10	17.49	15.99
L88-189	10" x 6"	10	22.49	20.49
L89-105	10" x 8"	10	28.49	25.49
L88-732	10" x 10"	10	26.99	24.49
L89-106	10" x 20"	10	59.00	49.99
L89-107	12" x 4"	10	19.99	17.99
L88-190	12" x 6"	10	24.99	22.49
L88-733	12" x 8"	10	29.99	26.99
L88-734	12" x 12"	10	36.49	32.99
L88-735	12" x 18"	10	69.00	65.00
L88-736	12" x 20"	10	85.00	75.00
L88-737	12" x 24"	10	85.00	79.00
L88-191	14" x 6"	10	25.49	22.99
L88-738	14" x 8"	10	33.49	30.49
L88-739	14" x 10"	10	38.49	34.99
L88-740	14" x 12"	10	65.00	59.00
L88-192	14" x 14"	5	65.00	59.00
L88-741	14" x 20"	5	69.00	65.00
L88-742	14" x 24"	5	79.00	75.00

Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L89-108	16" x 6"	10	36.49	32.49
L89-109	16" x 8"	10	42.99	38.99
L88-193	16" x 16"	5	59.00	55.00
L88-194	16" x 20"	5	69.00	65.00
L88-743	16" x 24"	5	85.00	79.00
L89-110	16" x 25"	5	95.00	85.00
L89-111	18" x 8"	10	41.49	37.49
L88-744	18" x 18"	5	79.00	75.00
L88-745	18" x 24"	5	115.00	105.00
L88-746	20" x 6"	10	38.49	34.99
L88-747	20" x 8"	10	36.49	32.99
L88-748	20" x 10"	10	55.00	48.99
L88-749	20" x 12"	10	65.00	55.00
L88-750	20" x 14"	5	75.00	69.00
L88-195	20" x 16"	5	99.00	89.00
L88-196	20" x 20"	5	95.00	85.00
L88-751	20" x 24"	5	125.00	109.00
L88-752	20" x 25"	5	115.00	105.00
L88-753	20" x 30"	5	189.00	169.00
L88-754	24" x 6"	10	42.49	38.49
L88-755	24" x 8"	10	47.49	42.99
L88-756	24" x 10"	10	75.00	69.00

Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L88-757	24" x 12"	10	79.00	75.00
L88-758	24" x 14"	5	85.00	75.00
L88-759	24" x 16"	5	109.00	95.00
L88-760	24" x 18"	5	125.00	115.00
L88-761	24" x 20"	5	129.00	115.00
L88-197	24" x 24"	5	119.00	105.00
L89-112	24" x 30"	5	239.00	215.00
L89-113	25" x 20"	5	99.00	89.00
L88-198	30" x 6"	10	43.99	39.49
L88-762	30" x 8"	10	59.00	55.00
L88-763	30" x 10"	10	75.00	69.00
L88-764	30" x 12"	5	59.00	55.00
L88-765	30" x 14"	5	119.00	105.00
L88-766	30" x 16"	5	135.00	119.00
L88-767	30" x 18"	5	145.00	135.00
L88-768	30" x 20"	5	165.00	149.00
L89-114	30" x 24"	5	195.00	175.00
L89-115	30" x 30"	5	235.00	209.00
L88-769	36" x 12"	5	165.00	149.00
L70-979	36" x 18"	10	179.00	165.00

673 Return Air Filter Grilles

- 1/2" fin spacing
- Removable face
- Uses standard 1" filters, not included
- White



Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L88-689	10" x 10"	5	99.00	89.00
L88-690	10" x 20"	5	109.00	99.00
L88-691	12" x 12"	5	75.00	69.00
L89-888	12" x 18"	2	139.00	125.00
L88-692	12" x 20"	5	159.00	145.00
L89-116	12" x 30"	3	175.00	159.00
L88-693	12" x 24"	5	155.00	139.00
L88-694	12" x 36"	5	185.00	165.00
L88-695	14" x 14"	5	65.00	59.00
L88-173	14" x 20"	3	119.00	109.00
L88-696	14" x 24"	5	135.00	119.00
L88-697	14" x 25"	5	149.00	135.00
L88-698	14" x 30"	3	165.00	145.00
L88-699	16" x 16"	5	135.00	119.00
L88-174	16" x 20"	3	145.00	129.00
L88-700	16" x 24"	3	169.00	149.00
L88-175	16" x 25"	3	109.00	99.00
L88-701	16" x 30"	3	189.00	169.00
L88-702	18" x 12"	5	155.00	135.00

Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L89-117	18" x 20"	3	175.00	155.00
L88-703	18" x 18"	5	159.00	145.00
L88-704	18" x 24"	5	205.00	185.00
L88-705	20" x 10"	5	95.00	85.00
L88-706	20" x 12"	5	95.00	85.00
L88-707	20" x 14"	3	95.00	85.00
L88-708	20" x 16"	3	115.00	105.00
L88-176	20" x 20"	3	95.00	85.00
L88-709	20" x 24"	3	165.00	149.00
L88-177	20" x 25"	3	155.00	139.00
L89-118	20" x 36"	3	239.00	215.00
L88-710	20" x 30"	3	215.00	195.00
L88-711	24" x 10"	3	205.00	185.00
L88-712	24" x 12"	5	79.00	75.00
L88-178	24" x 14"	5	125.00	115.00
L88-713	24" x 16"	3	145.00	129.00
L88-714	24" x 18"	5	149.00	135.00
L88-715	24" x 20"	3	169.00	155.00
L88-716	24" x 24"	3	159.00	145.00

Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L88-717	24" x 30"	3	195.00	175.00
L88-718	24" x 36"	3	139.00	125.00
L88-719	25" x 14"	5	95.00	85.00
L88-720	25" x 16"	3	115.00	105.00
L88-721	25" x 20"	3	129.00	115.00
L88-722	25" x 25"	3	195.00	175.00
L88-723	30" x 8"	3	155.00	139.00
L88-724	30" x 10"	3	165.00	149.00
L88-725	30" x 12"	3	169.00	149.00
L89-119	30" x 16"	3	209.00	189.00
L88-726	30" x 14"	3	185.00	165.00
L88-727	30" x 18"	3	229.00	209.00
L88-179	30" x 20"	3	149.00	135.00
L88-728	30" x 24"	3	245.00	219.00
L89-120	36" x 12"	3	169.00	149.00
L88-729	30" x 30"	3	325.00	295.00
L70-980	36" x 18"	10	235.00	215.00
L89-121	36" x 24"	3	345.00	309.00

HART COOLEY

265 Floor Return Air Grilles



- All steel construction
- Free area averages over 75%

Order #	Size (D x W)	Color	Carton Qty.	Each	10 Lot
L88-268	4" x 10"	Brown	6	**55.00**	**49.49**
L88-269	4" x 12"	Brown	6	**65.00**	**59.00**
L88-270	4" x 14"	Brown	6	**75.00**	**65.00**
L88-670	4" x 24"	Brown	6	**175.00**	**159.00**
L88-671	4" x 30"	Brown	6	**205.00**	**185.00**
L88-271	6" x 10"	Brown	6	**69.00**	**65.00**
L88-272	6" x 12"	Brown	6	**75.00**	**69.00**
L88-273	6" x 14"	Brown	6	**89.00**	**79.00**
L88-274	6" x 24"	Brown	6	**135.00**	**125.00**
L88-275	6" x 30"	Brown	6	**199.00**	**179.00**
L88-672	8" x 10"	Brown	6	**95.00**	**85.00**
L88-673	8" x 12"	Brown	6	**95.00**	**85.00**
L88-674	8" x 14"	Brown	6	**125.00**	**109.00**
L88-675	8" x 16"	Brown	6	**159.00**	**145.00**
L89-092	8" x 20"	Brown	6	**175.00**	**159.00**
L88-276	8" x 24"	Brown	6	**179.00**	**159.00**
L88-277	8" x 30"	Brown	6	**215.00**	**195.00**
L89-093	10" x 10"	Brown	6	**115.00**	**105.00**
L88-676	10" x 12"	Brown	6	**135.00**	**125.00**

Order #	Size (D x W)	Color	Carton Qty.	Each	10 Lot
L88-677	10" x 14"	Brown	6	**139.00**	**125.00**
L88-678	10" x 20"	Brown	4	**195.00**	**175.00**
L88-679	10" x 24"	Brown	4	**215.00**	**195.00**
L88-680	10" x 30"	Brown	4	**235.00**	**209.00**
L88-278	12" x 12"	Brown	6	**149.00**	**135.00**
L88-279	12" x 14"	Brown	6	**155.00**	**135.00**
L88-280	12" x 20"	Brown	4	**189.00**	**175.00**
L88-681	12" x 24"	Brown	4	**209.00**	**189.00**
L88-682	12" x 30"	Brown	4	**265.00**	**239.00**
L88-683	14" x 14"	Brown	6	**195.00**	**175.00**
L88-684	14" x 16"	Brown	6	**209.00**	**189.00**
L88-281	14" x 20"	Brown	4	**225.00**	**205.00**
L88-685	14" x 24"	Brown	4	**289.00**	**259.00**
L88-686	14" x 30"	Brown	4	**329.00**	**295.00**
L88-687	16" x 20"	Brown	4	**355.00**	**315.00**
L89-094	16" x 24"	Brown	4	**305.00**	**275.00**
L89-907	16" x 30"	Brown	2	**365.00**	**329.00**
L89-095	20" x 20"	Brown	4	**419.00**	**375.00**

HART COOLEY

650 Return Air Grilles



- 1/3" space fins
- 5/16" margin turnback
- Exceptional free area
- All steel construction
- White

Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L88-288	6" x 6"	20	**21.99**	**19.99**
L88-289	8" x 6"	10	**21.99**	**19.99**
L88-290	8" x 8"	10	**28.49**	**25.49**
L88-180	10" x 4"	10	**25.99**	**23.49**
L88-291	10" x 6"	10	**36.99**	**33.49**
L88-292	10" x 10"	10	**42.99**	**38.99**
L88-780	12" x 4"	10	**55.00**	**45.49**
L88-181	12" x 6"	10	**22.49**	**20.49**
L88-781	12" x 8"	10	**33.49**	**29.99**
L89-122	12" x 10"	10	**43.49**	**39.49**
L88-182	12" x 12"	10	**44.49**	**40.49**
L89-123	12" x 20"	10	**75.00**	**65.00**
L89-124	12" x 24"	10	**75.00**	**65.00**
L88-293	14" x 4"	10	**26.49**	**23.49**
L88-183	14" x 6"	10	**16.49**	**14.99**
L88-294	14" x 8"	10	**28.99**	**25.99**
L88-295	14" x 10"	10	**44.99**	**40.49**
L88-296	14" x 12"	10	**55.00**	**48.99**
L88-184	14" x 14"	5	**65.00**	**55.00**
L88-782	14" x 20"	5	**85.00**	**75.00**

Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L88-783	14" x 24"	5	**105.00**	**95.00**
L89-125	14" x 30"	5	**135.00**	**119.00**
L88-297	16" x 6"	10	**34.49**	**30.99**
L88-298	16" x 8"	10	**44.49**	**39.99**
L89-126	16" x 12"	10	**65.00**	**59.00**
L89-127	16" x 14"	5	**75.00**	**69.00**
L88-185	16" x 16"	5	**105.00**	**95.00**
L89-128	16" x 20"	5	**119.00**	**109.00**
L88-299	18" x 8"	10	**42.99**	**38.99**
L89-129	18" x 12"	10	**75.00**	**65.00**
L88-784	18" x 18"	5	**129.00**	**115.00**
L88-300	20" x 6"	10	**39.99**	**35.99**
L88-785	20" x 8"	10	**42.49**	**37.99**
L88-301	20" x 10"	10	**65.00**	**59.00**
L89-130	20" x 12"	10	**75.00**	**65.00**
L88-786	20" x 14"	5	**99.00**	**89.00**
L88-302	20" x 16"	5	**105.00**	**95.00**
L88-303	20" x 20"	5	**119.00**	**105.00**
L88-186	24" x 6"	10	**33.99**	**30.49**
L88-304	24" x 8"	10	**48.49**	**43.49**

Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L88-305	24" x 10"	10	**75.00**	**69.00**
L88-306	24" x 12"	10	**89.00**	**79.00**
L88-307	24" x 14"	5	**99.00**	**89.00**
L88-308	24" x 16"	5	**115.00**	**105.00**
L88-309	24" x 18"	5	**139.00**	**125.00**
L88-787	24" x 20"	5	**149.00**	**135.00**
L88-310	24" x 24"	5	**179.00**	**165.00**
L89-131	30" x 4"	10	**55.00**	**46.49**
L88-187	30" x 6"	10	**29.49**	**26.49**
L88-311	30" x 8"	10	**69.00**	**65.00**
L88-312	30" x 10"	10	**105.00**	**95.00**
L88-188	30" x 12"	5	**115.00**	**105.00**
L88-788	30" x 14"	5	**145.00**	**129.00**
L88-789	30" x 16"	5	**159.00**	**145.00**
L88-790	30" x 20"	5	**199.00**	**179.00**
L88-791	30" x 24"	5	**245.00**	**225.00**
L89-132	30" x 30"	5	**295.00**	**265.00**
L89-133	36" x 12"	5	**155.00**	**139.00**

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659 Return Air Filter Grilles

- 1/3" fin spacing
- Removable face
- Uses standard 1" filters, not included
- White



Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L88-792	12" x 12"	5	**109.00**	**99.00**
L88-793	14" x 14"	5	**119.00**	**109.00**
L88-794	14" x 20"	3	**155.00**	**139.00**
L88-795	14" x 24"	5	**179.00**	**165.00**
L88-796	14" x 25"	3	**249.00**	**225.00**
L88-797	14" x 30"	3	**265.00**	**239.00**
L88-798	16" x 16"	5	**185.00**	**165.00**
L88-799	16" x 20"	3	**185.00**	**165.00**

Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L88-800	16" x 25"	3	**225.00**	**199.00**
L88-801	18" x 18"	5	**215.00**	**195.00**
L89-134	20" x 10"	5	**185.00**	**165.00**
L88-802	20" x 14"	3	**205.00**	**185.00**
L88-803	20" x 16"	3	**219.00**	**199.00**
L88-804	20" x 20"	3	**239.00**	**215.00**
L88-805	20" x 25"	3	**255.00**	**229.00**
L88-806	20" x 30"	3	**275.00**	**245.00**

Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L88-807	24" x 14"	5	**219.00**	**195.00**
L88-808	24" x 24"	3	**285.00**	**255.00**
L88-809	25" x 14"	5	**225.00**	**205.00**
L88-810	25" x 16"	3	**245.00**	**225.00**
L88-811	25" x 20"	3	**265.00**	**239.00**
L88-812	30" x 14"	3	**265.00**	**239.00**
L88-813	30" x 20"	3	**305.00**	**275.00**
L89-135	30" x 24"	3	**359.00**	**325.00**

16 Round Ceiling Diffusers

- All steel construction
- White



Order #	Size	Carton Qty.	Each	10 Lot
L88-242	6"	20	**45.49**	**40.99**
L88-243	8"	20	**59.00**	**49.99**
L88-244	10"	10	**75.00**	**65.00**
L88-645	12"	10	**95.00**	**85.00**
L88-646	14"	10	**145.00**	**135.00**
L89-080	18"	10	**315.00**	**285.00**

24 Series Square Ceiling Diffuser

- All steel construction
- 360° air deflection
- White



Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L89-219	6" x 6"	10	**119.00**	**109.00**

821 Commercial Supply Registers

- All steel construction
- Vertical adjustable face bars
- Horizontal multi-shutter valve
- White



Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L88-525	6" x 6"	10	**99.00**	**89.00**
L89-137	8" x 4"	10	**119.00**	**105.00**
L88-524	8" x 6"	10	**139.00**	**125.00**
L88-523	8" x 8"	10	**145.00**	**129.00**
L88-522	10" x 4"	10	**75.00**	**65.00**
L88-521	10" x 6"	10	**95.00**	**85.00**
L88-819	10" x 8"	10	**115.00**	**105.00**
L88-520	10" x 10"	5	**129.00**	**115.00**
L88-519	12" x 4"	10	**85.00**	**75.00**
L88-518	12" x 6"	10	**115.00**	**105.00**

Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L88-517	12" x 8"	10	**119.00**	**109.00**
L89-138	12" x 10"	5	**185.00**	**165.00**
L88-516	12" x 12"	5	**79.00**	**75.00**
L88-515	14" x 4"	10	**135.00**	**125.00**
L88-514	14" x 6"	10	**145.00**	**129.00**
L88-513	14" x 8"	10	**159.00**	**145.00**
L88-512	14" x 10"	5	**279.00**	**249.00**
L88-511	14" x 14"	5	**269.00**	**245.00**
L88-510	16" x 6"	10	**125.00**	**115.00**
L88-509	16" x 8"	5	**155.00**	**139.00**

Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L89-139	18" x 6"	10	**195.00**	**175.00**
L88-820	18" x 8"	5	**215.00**	**195.00**
L88-508	20" x 6"	5	**189.00**	**169.00**
L88-507	20" x 8"	5	**199.00**	**179.00**
L89-140	20" x 10"	5	**245.00**	**219.00**
L89-141	20" x 12"	3	**329.00**	**299.00**
L88-821	24" x 8"	5	**215.00**	**189.00**
L88-822	24" x 10"	5	**229.00**	**209.00**
L89-142	24" x 12"	3	**255.00**	**229.00**

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Commercial Aluminum Supply Registers

- Single deflection
- Adjustable blades
- White

Order #	Description	Size (W x H)	Carton Qty.	Each	10 Lot
L88-824	VM Multi-Shutter	6" x 6"	10	**195.00**	**179.00**
L88-825	VM Multi-Shutter	8" x 8"	10	**255.00**	**229.00**
L71-763	VM Multi-Shutter	14" x 10"	10	**399.00**	**359.00**
L88-446	VD Opposed Blade	6" x 6"	10	**219.00**	**199.00**
L71-764	VD Opposed Blade	12" x 6"	10	**285.00**	**259.00**
L71-765	VD Opposed Blade	14" x 6"	10	**325.00**	**289.00**

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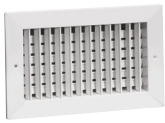

92VHV Commercial Steel Supply Register

- All steel construction
- Vertical front bars
- Horizontal second bars
- Adjustable face bars may be set to any desired deflection
- Opposed blade damper
- White

Order #	Description	Size (W x H)	Carton Qty.	Each	10 Lot
L88-506	92VHV	12" x 6"	5	**205.00**	**185.00**

HART COOLEY



Commercial Ceiling Supply Registers

- Extruded aluminum
- One-way deflection
- Adjustable bars
- White

Order #	Description	Size (W x H)	Carton Qty.	Each	5 Lot
L71-867	CHD1 Opposed Blade	8" x 4"	5	**175.00**	**159.00**
L71-868	CHD1 Opposed Blade	10" x 6"	5	**205.00**	**185.00**
L71-869	CHD1 Opposed Blade	12" x 6"	5	**245.00**	**225.00**

Order #	Description	Size (W x H)	Carton Qty.	Each	5 Lot
L71-870	CHD1 Opposed Blade	14" x 6"	5	**229.00**	**205.00**
L89-224	CHM1 Multi-Shutter	8" x 6"	5	**149.00**	**135.00**

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Commercial Steel Return Grilles

- All steel construction
- Horizontal face bars set at 40°
- White
- **L88-831** is a T-bar grille

Order #	Description	Size (W x H)	Carton Qty.	Each	10 Lot
L88-505	94A	8" x 8"	10	**79.00**	**69.00**
L88-504	94A	10" x 10"	10	**115.00**	**105.00**
L88-826	94A	12" x 6"	10	**85.00**	**79.00**
L88-503	94A	12" x 12"	10	**125.00**	**115.00**
L88-502	94A	14" x 14"	10	**145.00**	**129.00**
L88-827	94A	20" x 20"	2	**305.00**	**275.00**

Order #	Description	Size (W x H)	Carton Qty.	Each	10 Lot
L88-828	94A	24" x 10"	5	**199.00**	**179.00**
L88-829	94A	24" x 12"	5	**219.00**	**199.00**
L88-830	94A	24" x 14"	2	**259.00**	**235.00**
L88-501	94A	30" x 14"	2	**375.00**	**339.00**
L88-831	94AT T-Bar	23-3/4" x 23-3/4"	10	**435.00**	**389.00**

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Commercial Fixed Bar Filter Grilles

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- Steel construction
- Flush non-removable face with fixed hinges
- Uses normal 1" thick disposable filter, not included
- Equipped with adjustable filter retainers
- 2/3" spaced fins set at 50°
- White
- **L88-494** and **L88-865** are T-bar grilles, and **L88-865** is insulated



Order #	Description	Size (W x H)	Carton Qty.	Each	10 Lot
L89-143	96AFB	12" X 12"	5	**149.00**	**135.00**
L88-500	96AFB	14" x 14"	5	**165.00**	**149.00**
L89-144	96AFB	14" X 20"	5	**289.00**	**265.00**
L89-145	96AFB	14" X 24"	5	**275.00**	**249.00**
L89-879	96AFB	16" x 16"	2	**245.00**	**225.00**
L89-146	96AFB	18" X 18"	3	**285.00**	**255.00**
L88-815	96AFB	20" x 14"	3	**289.00**	**259.00**
L88-499	96AFB	20" x 20"	3	**255.00**	**229.00**
L88-816	96AFB	24" x 12"	3	**299.00**	**269.00**
L88-498	96AFB	24" x 14"	3	**235.00**	**209.00**

Order #	Description	Size (W x H)	Carton Qty.	Each	10 Lot
L89-147	96AFB	24" X 20"	3	**455.00**	**409.00**
L88-817	96AFB	24" x 24"	3	**399.00**	**359.00**
L88-818	96AFB	25" x 14"	3	**365.00**	**329.00**
L88-497	96AFB	25" x 20"	3	**335.00**	**305.00**
L89-148	96AFB	30" X 12"	3	**379.00**	**339.00**
L88-496	96AFB	30" x 14"	3	**315.00**	**285.00**
L88-495	96AFB	30" x 20"	3	**425.00**	**385.00**
L89-969	96AFB	30" x 24"	3	**365.00**	**329.00**
L88-494	96AFBT T-Bar	23-3/4" x 23-3/4"	3	**309.00**	**279.00**
L88-865	96AFBTI T-Bar	23-3/4" x 23-3/4"	2	**265.00**	**239.00**

RH45 Aluminum Commercial Grilles

HART COOLEY

- Extruded aluminum construction
- Horizontal bars at 45°
- Face bars permanently fixed into heavy aluminum frames at 45° angle
- White



Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L71-901	6" x 6"	10	**105.00**	**95.00**
L71-902	8" x 8"	10	**99.00**	**89.00**
L71-903	10" x 4"	10	**109.00**	**99.00**
L71-904	10" x 6"	10	**99.00**	**89.00**
L71-905	10" x 10"	10	**79.00**	**75.00**
L71-906	10" x 20"	10	**199.00**	**179.00**
L71-907	12" x 6"	10	**79.00**	**75.00**
L71-908	12" x 8"	10	**95.00**	**85.00**
L71-909	12" x 12"	10	**89.00**	**79.00**
L71-910	12" x 24"	10	**305.00**	**275.00**
L71-911	14" x 6"	10	**105.00**	**95.00**
L71-912	14" x 8"	10	**109.00**	**99.00**
L71-913	14" x 10"	10	**175.00**	**155.00**
L71-914	14" x 12"	10	**185.00**	**165.00**
L71-915	14" x 14"	5	**149.00**	**135.00**
L71-916	14" x 20"	5	**295.00**	**265.00**
L71-917	14" x 24"	5	**315.00**	**279.00**
L71-918	16" x 8"	5	**225.00**	**205.00**
L71-919	16" x 10"	5	**195.00**	**175.00**
L89-157	16" x 14"	5	**325.00**	**295.00**

Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L71-920	16" x 16"	5	**155.00**	**139.00**
L71-921	16" x 20"	5	**375.00**	**335.00**
L71-922	16" x 24"	5	**389.00**	**355.00**
L71-923	18" x 10"	5	**269.00**	**245.00**
L71-924	18" x 12"	5	**229.00**	**209.00**
L71-925	18" x 18"	5	**175.00**	**159.00**
L71-926	18" x 30"	5	**635.00**	**569.00**
L71-927	20" x 8"	5	**245.00**	**225.00**
L71-928	20" x 10"	5	**199.00**	**179.00**
L71-929	20" x 12"	5	**195.00**	**175.00**
L71-930	20" x 14"	5	**235.00**	**215.00**
L71-931	20" x 16"	5	**369.00**	**335.00**
L71-932	20" x 18"	5	**365.00**	**329.00**
L71-933	20" x 20"	5	**209.00**	**189.00**
L71-934	20" x 24"	5	**475.00**	**429.00**
L71-935	20" x 30"	5	**585.00**	**525.00**
L71-936	22" x 22"	5	**485.00**	**435.00**
L71-937	24" x 6"	5	**269.00**	**245.00**
L71-938	24" x 8"	5	**295.00**	**265.00**
L71-939	24" x 10"	5	**319.00**	**285.00**

Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L71-940	24" x 12"	5	**189.00**	**169.00**
L71-941	24" x 14"	5	**315.00**	**285.00**
L71-942	24" x 16"	5	**365.00**	**329.00**
L71-943	24" x 18"	5	**245.00**	**219.00**
L71-944	24" x 20"	5	**309.00**	**275.00**
L71-945	24" x 24"	5	**419.00**	**375.00**
L71-946	25" x 20"	5	**315.00**	**285.00**
L71-947	30" x 6"	5	**339.00**	**305.00**
L71-948	30" x 8"	5	**375.00**	**339.00**
L71-949	30" x 10"	5	**415.00**	**375.00**
L71-950	30" x 12"	5	**285.00**	**255.00**
L71-951	30" x 14"	5	**305.00**	**275.00**
L71-952	30" x 16"	5	**559.00**	**505.00**
L71-953	30" x 18"	5	**325.00**	**295.00**
L71-954	30" x 20"	5	**345.00**	**309.00**
L71-955	30" x 24"	5	**425.00**	**385.00**
L89-182	36" x 8"	5	**505.00**	**455.00**
L71-956	36" x 12"	5	**565.00**	**509.00**

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RHF45 Aluminum Commercial Filter Grilles

- Extruded aluminum construction
- Horizontal bars at 45°
- Accommodates 1" filters, not included
- Hinged on bottom edge
- White

Order #	Size (W x H)	Carton Qty.	Each	5 Lot
L71-960	10" x 10"	5	**175.00**	**155.00**
L71-961	10" x 20"	2	**289.00**	**265.00**
L71-962	12" x 12"	5	**135.00**	**119.00**
L71-963	12" x 20"	5	**269.00**	**245.00**
L71-964	12" x 24"	5	**205.00**	**185.00**
L71-965	14" x 14"	5	**165.00**	**149.00**
L71-966	14" x 20"	5	**299.00**	**269.00**
L71-967	14' x 25"	2	**409.00**	**369.00**
L71-968	14" x 30"	2	**505.00**	**455.00**
L71-969	16" x 16"	5	**235.00**	**209.00**
L71-970	16" x 20"	5	**375.00**	**335.00**
L71-971	18" x 18"	5	**235.00**	**209.00**

Order #	Size (W x H)	Carton Qty.	Each	5 Lot
L71-972	18" x 24"	5	**299.00**	**269.00**
L71-973	18" x 30"	5	**605.00**	**545.00**
L71-974	20" x 12"	5	**335.00**	**305.00**
L71-975	20" x 14"	5	**249.00**	**225.00**
L71-976	20" x 16"	5	**319.00**	**289.00**
L71-977	20" x 20"	5	**255.00**	**229.00**
L71-978	20" x 25"	5	**435.00**	**395.00**
L71-979	20" x 30"	5	**625.00**	**559.00**
L71-980	24" x 12"	5	**175.00**	**159.00**
L71-981	24" x 14"	5	**275.00**	**245.00**
L71-982	24" x 16"	5	**415.00**	**375.00**
L71-983	24" x 18"	5	**255.00**	**229.00**

Order #	Size (W x H)	Carton Qty.	Each	5 Lot
L71-984	24" x 20"	5	**445.00**	**405.00**
L71-985	24" x 24"	5	**319.00**	**285.00**
L71-986	24" x 30"	5	**919.00**	**825.00**
L71-987	25" x 14"	5	**429.00**	**385.00**
L71-988	25" x 16"	2	**275.00**	**245.00**
L71-989	25" x 20"	5	**435.00**	**395.00**
L71-990	25" x 25"	2	**519.00**	**469.00**
L71-991	30" x 14"	2	**449.00**	**405.00**
L71-992	30" x 16"	5	**719.00**	**649.00**
L71-993	30" x 18"	5	**375.00**	**335.00**
L71-994	30" x 20"	5	**569.00**	**515.00**

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RH45T Commercial T-Bar Aluminum Return Grille

- Horizontal bars at 45°
- Mount flush with T-Bar ceilings
- White

Order #	Size (W x H)	Carton Qty.	Each	5 Lot
L71-959	23-3/4" x 23-3/4"	5	**409.00**	**369.00**

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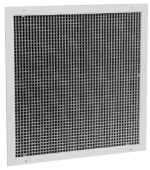

RE5 Commercial Aluminum Eggcrate Return Grilles

- Square core design with extruded aluminum frame
- White

Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L88-913	6" x 6"	10	**85.00**	**75.00**
L88-914	8" x 8"	10	**129.00**	**119.00**
L88-915	10" x 10"	10	**149.00**	**135.00**
L88-472	12" x 12"	10	**135.00**	**119.00**
L88-916	14" x 14"	10	**225.00**	**205.00**

Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L89-184	16" x 16"	10	**219.00**	**199.00**
L89-185	18" x 18"	5	**235.00**	**209.00**
L89-186	20" x 14"	5	**299.00**	**269.00**
L89-187	20" x 16"	5	**305.00**	**275.00**
L89-188	20" x 20"	5	**419.00**	**379.00**

Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L70-623	24" x 14"	2	**345.00**	**309.00**
L89-189	24" x 20"	5	**325.00**	**289.00**
L79-105	25" x 20"	2	**425.00**	**385.00**
L79-106	30" x 14"	2	**395.00**	**355.00**
L79-107	30" x 20"	2	**495.00**	**445.00**

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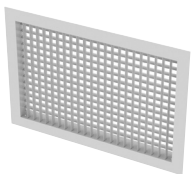

VHD Commercial Aluminum Supply Grilles

- Adjustable blades, double deflection
- Opposed-blade damper

Order #	Size (W x H)	Color	Carton Qty.	Each	10 Lot
L71-825	8" x 6"	White	10	**305.00**	**275.00**
L71-826	12" x 6"	White	10	**405.00**	**365.00**
L71-827	12" x 8"	White	10	**395.00**	**359.00**
L71-828	14" x 6"	White	10	**395.00**	**359.00**

Order #	Size (W x H)	Color	Carton Qty.	Each	10 Lot
L71-829	14" X 6"	Brown	10	**435.00**	**389.00**
L71-830	14" x 8"	White	10	**425.00**	**379.00**
L71-831	16" x 6"	White	10	**505.00**	**455.00**

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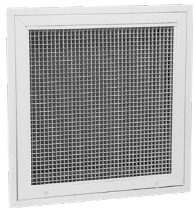
REF5 Commercial Aluminum Eggcrate Return Filter Grilles

- Square core design with extruded aluminum frame
- Accommodates 1" filters (not included)
- White



Order #	Size (W x H)	Carton Qty.	Each	2 Lot
L79-108	14" x 14"	2	**255.00**	**229.00**
L79-109	20" x 14"	2	**335.00**	**299.00**
L79-110	20" x 20"	2	**459.00**	**415.00**
L79-111	24" x 12"	2	**329.00**	**295.00**
L79-112	24" x 14"	2	**379.00**	**345.00**
L79-113	24" x 20"	2	**545.00**	**489.00**
L79-114	25" x 20"	2	**575.00**	**519.00**
L79-115	30" x 14"	2	**485.00**	**435.00**
L79-116	30" x 20"	2	**665.00**	**599.00**

Commercial Lanced Face T-Bar Grilles

- Steel construction
- Flush, removable face with concealed latches and hinges
- Accepts standard spin-in or tab collars or unique snap-in collar
- Frame includes four seismic safety connections
- Uses standard 1" disposable filters, not included
- White



Order #	Description	Size (W x H)	Filter Size	Insulated	Carton Qty.	Each	10 Lot
L88-225	659T	23-3/4" x 23-3/4"	20" x 20"	—	3	**245.00**	**219.00**
L88-814	659T	47-3/4" x 23-3/4"	44" x 20"	—	3	**485.00**	**435.00**
L88-526	659TI	23-3/4" x 23-3/4"	20" x 20"	R4.2	2	**259.00**	**235.00**
L89-136	659TI	23-3/4" x 23-3/4"	20" x 20"	R6.0	2	**375.00**	**339.00**

673TPI T-Bar Filter Grille

- Uses standard 1" filters, not included
- White
- R6 insulated back



Order #	Size (W x H)	Filter Size	Carton Qty.	Each	10 Lot
L89-909	23-3/4" x 23-3/4"	20" x 20"	2	**229.00**	**205.00**

Commercial T-Bar Egg Crate Filter Grilles

- **L88-469** is extruded aluminum
- **L89-949** is plastic
- Equipped with thumb screw fasteners
- Uses standard 1" filter, not included
- White



Order #	Description	Size (W x H)	Filter Size	Carton Qty.	Each	10 Lot
L88-469	REF5T	23-3/4" x 23-3/4"	20" x 20"	10	**385.00**	**349.00**
L89-949	RZREF5T	23-3/4" X 23-3/4"	20" x 20"	5	**245.00**	**225.00**

RHF45T Commercial T-Bar Filter Grilles

- Aluminum bar style construction
- Mounts flush with T-Bar ceilings
- Accommodates 1" filter, not included
- White



Order #	Size (W x H)	Filter Size	Carton Qty.	Each	5 Lot
L71-957	23-3/4" x 23-3/4"	20" x 20"	5	**455.00**	**409.00**
L71-958	47-3/4" x 23-3/4	(2) 20" x 20"	5	**1299.00**	**1199.00**

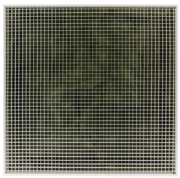
Commercial Perforated Face T-Bar Grilles

- Steel construction
- Flush, removable face with concealed latches and hinges, can be installed in any direction
- Uses 1" standard disposable filters, not included
- **L88-473** R4.2 insulated back
- **L88-474** filter frame back
- White



Order #	Description	Size (W x H)	Carton Qty.	Each	10 Lot
L88-473	PFTI	23-3/4" x 23-3/4"	2	**265.00**	**235.00**
L88-474	PFT	23-3/4" x 23-3/4"	3	**395.00**	**355.00**

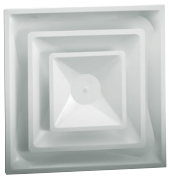
Commercial T-Bar Egg Crate Return Grilles



- Aluminum construction
- Mount flush with T-Bar ceilings
- **L88-470** has R4.2 molded, fiberglass insulated back
- **L89-215** fits 22" x 10" duct
- **L88-470** and **L88-471** fit 22" x 22" duct
- White

Order #	Description	Size (W x H)	Carton Qty.	Each	10 Lot
L88-470	RE5TI	23-3/4" x 23-3/4"	4	**369.00**	**329.00**
L88-471	RE5T	23-3/4" x 23-3/4"	5	**325.00**	**289.00**
L89-215	RE5T	23-3/4" x 11-3/4"	4	**205.00**	**185.00**

Fixed Pattern Two Cone T-Bar Diffusers



- Steel construction
- Damper adjustable through face
- Two cone fixed core
- Unique 2" high collar permits easy flex connection
- Utilizes butterfly damper (3800 series) inserted in collar — order separately
- White
- 23-3/4" x 23-3/4"

Order #	Description	Collar Size	Carton Qty.	Each	10 Lot
L88-864	FPD Steel	6"	2	**145.00**	**129.00**
L88-232	FPD Steel	8"	2	**155.00**	**139.00**
L88-233	FPD Steel	10"	2	**169.00**	**155.00**

Order #	Description	Collar Size	Carton Qty.	Each	10 Lot
L88-234	FPD Steel	12"	2	**165.00**	**145.00**
L88-481	FPD Steel	14"	2	**225.00**	**205.00**

Fixed Pattern Three Cone T-Bar Diffusers



- Steel construction
- Damper adjustable through face
- Three cone fixed core
- Unique 2" high collar permits easy flex connection
- Utilizes butterfly damper (3800 series) inserted in collar — order separately
- FPD3 R6 models have R6 insulated back
- White
- 23-3/4" x 23-3/4"

Order #	Description	Collar Size	Carton Qty.	Each	10 Lot
L88-343	FPD3	6"	2	**169.00**	**155.00**
L88-344	FPD3	8"	2	**155.00**	**139.00**
L88-345	FPD3	10"	2	**169.00**	**155.00**
L88-346	FPD3	12"	2	**179.00**	**165.00**
L89-891	FPD3	14"	2	**199.00**	**179.00**

Order #	Description	Collar Size	Carton Qty.	Each	10 Lot
L89-894	FPD3 R6	6"	2	**209.00**	**189.00**
L89-895	FPD3 R6	8"	2	**199.00**	**179.00**
L89-896	FPD3 R6	10"	2	**199.00**	**179.00**
L89-897	FPD3 R6	12"	2	**209.00**	**189.00**
L89-898	FPD3 R6	14"	2	**225.00**	**205.00**

DPD T-Bar Plate Diffusers

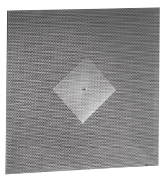


- Steel construction
- Removable face for easy cleaning and damper adjustment
- 360° air diffusion
- 2" fixed collar permits easy flex connection
- R6 insulated models have molded fiberglass back
- White
- 23-3/4" x 23-3/4"

Order #	Description	Collar Size	Carton Qty.	Each	10 Lot
L89-869	DPD 6W	6"	2	**229.00**	**205.00**
L89-870	DPD 8W	8"	2	**275.00**	**245.00**
L89-871	DPD 10W	10"	2	**255.00**	**229.00**
L89-872	DPD 12W	12"	2	**285.00**	**259.00**
L89-873	DPD 14W	14"	2	**195.00**	**175.00**

Order #	Description	Collar Size	Carton Qty.	Each	10 Lot
L89-874	DPD R6 6W	6"	2	**355.00**	**315.00**
L89-875	DPD R6 8W	8"	2	**345.00**	**315.00**
L89-876	DPD R6 10W	10"	2	**355.00**	**315.00**
L89-877	DPD R6 12W	12"	2	**355.00**	**315.00**
L89-878	DPD R6 14W	14"	2	**269.00**	**239.00**

Perforated T-Bar Diffusers



- Uses 3800 series butterfly damper and 5400 2" collar
- 23-3/4" x 23-3/4"
- White

Order #	Description	Carton Qty.	Each	10 Lot
L88-235	RENPS Perforated Steel Supply Air Diffuser	4	**115.00**	**99.00**
L88-779	RENPS 6.0 Perforated Steel Supply Diffuser	4	**129.00**	**119.00**
L88-468	RENP Perforated Steel Return	4	**125.00**	**115.00**

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Aluminum Ceiling Diffusers

HART COOLEY

Choose From Two-, Three- or Four-Way Corner Deflection Models

- All aluminum face construction
- Cores flush with margin
- Face mount for easy installation
- Inconspicuous fingertip lever for air volume control
- Multi-shutter operation, opposed blade operation available by special order
- White


A


B


C


D


E

Fig.	Order #	Description	Size (W x H)	Shutter Type	Carton Qty.	Each	10 Lot
A	**L89-207**	A501MS 1-Way	6" x 6"	Multi-Shutter	10	**129.00**	**115.00**
A	**L89-208**	A501OB 1-Way	6" x 6"	Opposed Blade	10	**145.00**	**129.00**
B	**L89-209**	A502OB 2-Way	6" x 6"	Opposed Blade	10	**145.00**	**129.00**
B	**L89-210**	A502OB 2-Way	10" x 10"	Opposed Blade	5	**175.00**	**155.00**
C	**L88-323**	A503MS 3-Way	6" x 6"	Multi-Shutter	10	**85.00**	**75.00**
C	**L88-324**	A503MS 3-Way	8" x 8"	Multi-Shutter	10	**95.00**	**85.00**
C	**L88-325**	A503MS 3-Way	10" x 10"	Multi-Shutter	5	**125.00**	**115.00**
C	**L88-852**	A503MS 3-Way	12" x 12"	Multi-Shutter	5	**259.00**	**235.00**
C	**L88-853**	A503MS 3-Way	14" x 14"	Multi-Shutter	5	**315.00**	**285.00**
D	**L88-326**	A504MS 4-Way	6" x 6"	Multi-Shutter	10	**89.00**	**85.00**
D	**L88-856**	A504OB 4-Way	6" x 6"	Opposed Blade	10	**145.00**	**129.00**
D	**L88-327**	A504MS 4-Way	8" x 8"	Multi-Shutter	10	**105.00**	**95.00**
D	**L88-857**	A504OB 4-Way	8" x 8"	Opposed Blade	10	**165.00**	**145.00**
D	**L88-328**	A504MS 4-Way	10" x 10"	Multi-Shutter	5	**149.00**	**135.00**
D	**L88-858**	A504OB 4-Way	10" x 10"	Opposed Blade	5	**155.00**	**139.00**
D	**L88-854**	A504MS 4-Way	12" x 12"	Multi-Shutter	5	**245.00**	**219.00**
D	**L88-859**	A504OB 4-Way	12" x 12"	Opposed Blade	5	**259.00**	**235.00**
D	**L88-855**	A504MS 4-Way	14" x 14"	Multi-Shutter	5	**305.00**	**275.00**
D	**L88-860**	A504OB 4-Way	14" x 14"	Opposed Blade	5	**305.00**	**275.00**
E	**L88-861**	A505MS 2-Way Corner	6" x 6"	Multi-Shutter	10	**119.00**	**105.00**
E	**L88-329**	A505MS 2-Way Corner	8" x 8"	Multi-Shutter	10	**105.00**	**95.00**
E	**L89-211**	A505MS 2-Way Corner	10" x 10"	Multi-Shutter	5	**159.00**	**145.00**

HVS High Volume T-Bar Supply Diffusers

HART COOLEY

- Uses 3800 series butterfly damper and 5400 2" collar
- **L89-214** has R6.0 insulation
- White



Order #	Description	Collar Size	Carton Qty.	Each	10 Lot
L88-226	HVS	6"–12"	2	**179.00**	**159.00**
L89-213	HVS14	14"	2	**379.00**	**339.00**
L89-214	HVS R-6	6"–12"	2	**149.00**	**135.00**

Plastic T-Bar Modular Core Diffusers

HART COOLEY

- Modular core provides 1, 2, 3 or 4-way horizontal air patterns
- Removable modules
- **L89-889** back panel allows installation of 6" through 16" collar
- White



Order #	Description	Size (W x H)	Carton Qty.	Each	10 Lot
L89-244	RZMCDST	24" x 24"	5	**325.00**	**289.00**
L89-889	RZBP	24" x 24"	5	**79.00**	**69.00**

HART COOLEY

Commercial Adjustable Modular Diffusers

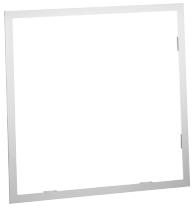


- Extruded aluminum construction
- With attached opposed blade damper
- Four modular cores provide variable pattern adjustments for four-way, three-way, two-way and one-way horizontal air patterns
- Removable modules provide easy access to damper
- White

Order #	Size (W x H)	Carton Qty.	Description	Each	10 Lot
L71-871	10" x 10"	5	MCD	**325.00**	**295.00**
L71-872	12" x 12"	10	MCD	**389.00**	**349.00**
L71-874	12" x 12"	5	12" x 12" Damper	**159.00**	—

HART COOLEY

SMF Aluminum Surface Mount Frame



- Permits installation of T-bar diffusers in plaster ceiling
- White

Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L89-246	24" x 24"	2	**155.00**	**139.00**

HART COOLEY

Molded Fiberglass T-Bar Backs

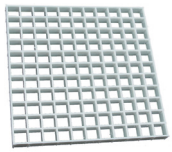


- For insulating most T-Bar diffusers
- 4.2 “R” value
- Bonded foil vapor barrier minimizes condensation
- 6" to 14" diameter prescored back
- **L89-890** is blanket style insulation

Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L89-890	24" x 24"	2	**19.49**	**17.49**
L89-948	24" x 24"	2	**65.00**	**59.00**

DIVERSITECH

Egg Crate Diffusers

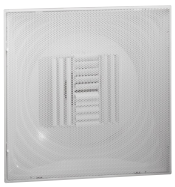


- White polystyrene 1/2" open cell grid
- Air return diffusers

Order #	Description	Size
L98-712	650-300	2' x 2' x 1/2"
L98-713	650-100	2' x 4' x 1/2"

HART COOLEY

Commercial T-Bar Curved-Blade Perforated Diffusers



- Steel construction
- Removable hinged face allows for easy access to air pattern control care
- Face can be removed for cleaning
- Deep drawn back reduces static pressure drop
- Unique 2" high collar permits easy flex connections
- Uses 3800 series butterfly damper
- Diffuser is 23-3/4" x 23-3/4"
- White

Order #	Description	Collar Size	Carton Qty.	Each	10 Lot
L88-488	CBPS Supply	6"	2	**289.00**	**265.00**
L88-487	CBPS Supply	8"	2	**199.00**	**179.00**
L88-486	CBPS Supply	10"	2	**199.00**	**179.00**
L88-485	CBPS Supply	12"	2	**225.00**	**199.00**
L88-484	CBPS Supply	14"	2	**289.00**	**265.00**
L89-216	CBPS Supply	16"	2	**409.00**	**369.00**

Order #	Description	Collar Size	Carton Qty.	Each	10 Lot
L88-493	CBPR Return	6"	2	**225.00**	**205.00**
L88-492	CBPR Return	8"	2	**215.00**	**195.00**
L88-491	CBPR Return	10"	2	**145.00**	**129.00**
L88-490	CBPR Return	12"	2	**225.00**	**205.00**
L88-489	CBPR Return	14"	2	**225.00**	**205.00**

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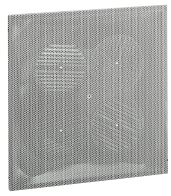
Commercial T-Bar Insulated Perforated Diffusers

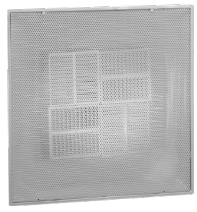
- **L88-475** and **L88-476** are steel perforated supply diffusers
- **L88-477** is steel perforated return grille with 14" fixed collar
- **L88-478** is steel perforated return face only
- Uses 3800 series butterfly damper and 5400 2" collar
- White



Order #	Description	Size (W x H)	Carton Qty.	Each	10 Lot
L88-476	PDS Supply Diffuser	23-3/4" x 23-3/4"	4	**259.00**	**235.00**
L88-475	PDSD Supply Diffuser	23-3/4" x 23-3/4"	4	**259.00**	**235.00**
L88-477	PDR14 Return Grille	23-3/4" x 23-3/4"	2	**319.00**	**289.00**
L89-892	PD Return Face	24" x 12"	2	**89.00**	**85.00**
L88-478	PD Return Face	24" x 24"	10	**125.00**	**109.00**

SBP10 Shallow Backed T-Bar Perforated Supply Diffuser

- Steel construction
- Face-mounted adjustable deflectors
- Removable face
- Hinged face for easy access
- White



Order #	Size (W x H)	Carton Qty.	Each	10 Lot
L89-245	23-3/4" x 23-3/4"	2	**275.00**	**249.00**

Surfaire T-Bar Throw Diffusers

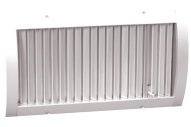
- Uses 3800 series butterfly damper and 5400 2" collar
- White
- Aluminum foil vapor barrier
- 6"–12" collar



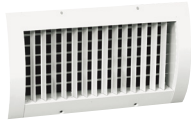
Order #	Description	Size (W x H)	Carton Qty.	Each	10 Lot
L89-217	443 3-Way	23-3/4" x 23-3/4"	4	**379.00**	**339.00**
L88-236	444 4-Way	23-3/4" x 23-3/4"	4	**335.00**	**305.00**

Spiral Diffusers

- Aluminum construction
- Adjustable blades



A



B

Fig.	Order #	Description	Size (W x H)	Spiral Duct Diam.	Color	Carton Qty.	Each	10 Lot
A	**L89-250**	SV1 1-Way	12" x 6"	14"	White	6	**235.00**	**215.00**
A	**L89-251**	SV1 1-Way	14" x 4"	16"	Satin Anodized	6	**235.00**	**209.00**
B	**L89-252**	SVH1 2-Way	12" x 6"	14"	Satin Anodized	6	**375.00**	**339.00**
B	**L89-253**	SVH1 2-Way	14" x 4"	8"	White	6	**325.00**	**295.00**
B	**L89-255**	SVH1 2-Way	14" x 6"	16"	Satin Anodized	6	**389.00**	**349.00**
B	**L89-256**	SVH1 2-Way	14" x 6"	18"	Satin Anodized	6	**485.00**	**439.00**
B	**L89-259**	SVH1 2-Way	16" x 8"	20"	Satin Anodized	6	**319.00**	**289.00**

Universal Spiral Diffusers

- Aluminum
- Adjustable blades



Order #	Description	Size (W x H)	Color	Carton Qty.	Each	10 Lot
L89-260	USV1 1-Way	10" x 6"	White	6	**179.00**	**165.00**
L89-266	USVH1 2-Way	18" x 12"	Satin Anodized	6	**315.00**	**285.00**
L89-267	USVH1 2-Way	24" x 6"	Satin Anodized	6	**339.00**	**305.00**
L89-261	USV1 1-Way	12" x 6"	Satin Anodized	6	**219.00**	**195.00**
L89-262	USV1 1-Way	14" x 6"	Satin Anodized	6	**255.00**	**229.00**
L89-263	USVH1 2-Way	12" x 6"	Satin Anodized	6	**365.00**	**329.00**
L89-264	USVH1 2-Way	12" x 6"	White	6	**295.00**	**265.00**
L89-265	USVH1 2-Way	16" x 6"	White	6	**349.00**	**315.00**

3800 Series Butterfly Dampers



- Adjustable damper with removable handle (included)
- For use with 5400 series collars

Order #	Size	Each
L88-237	6"	39.99
L88-528	7"	75.00
L88-238	8"	43.99
L88-867	9"	99.00

Order #	Size	Each
L88-239	10"	55.00
L88-240	12"	69.00
L88-527	14"	79.00

5400 Series Snap-In Collars



- 2" high collar for easy flex connections
- Unique snap-in design for easy installation
- Other sizes and styles available by special order

Order #	Size	Each
L88-227	6"	23.99
L88-530	7"	29.99
L88-228	8"	28.49
L88-529	9"	29.99

Order #	Size	Each
L88-229	10"	28.49
L88-230	12"	28.99
L88-868	14"	89.00

Push Pin



- Attaches 5400 collar to fiberglass back
- Allows use of 3800 series damper with the following: 659T, PFTI, RENP, RENPS, RE5TI 96AFBTI

Order #	Description	Carton Qty.	Each
L88-231	5400PP	100	3.85

#11 Duct Rings



- For insallation of #16 ceiling diffuser when not using a damper
- Brown

Order #	Size	Each
L88-266	6"	28.99
L88-267	8"	31.49
L88-869	10"	40.99

Order #	Size	Each
L88-870	12"	69.00
L88-871	14"	65.00

#12 Butterfly Dampers



- For use with #16 ceiling diffuser

Order #	Size	Carton Qty.	Each	10 Lot
L88-245	6"	20	40.99	36.99
L88-246	8"	20	65.00	55.00
L88-247	10"	10	75.00	65.00

Order #	Size	Carton Qty.	Each	10 Lot
L88-872	12"	10	95.00	85.00
L88-873	14"	10	115.00	105.00

Touch-up Paint

Order #	Description	Each
L89-237	White	59.00

Order #	Description	Each
L89-238	Golden Sand	69.00

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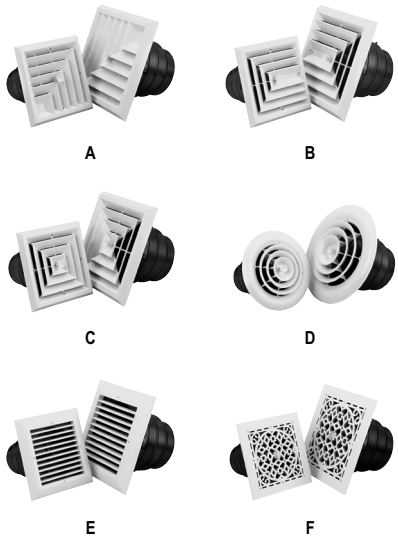
TRUaire Retrofit Plastic Ceiling Diffusers

- Accommodates 4" to 8" round duct
- Reduces installation time by up to 80%
- Stepped collar with break away strips simplifies installation
- Mounting clips rotate into position and secure unit in place
- Includes integral damper with rubber seal
- Removable damper handle adjusts damper through the face
- 8" x 8" diffusers accommodate 6", 7" and 8" duct
- 6" x 6" diffusers accommodate 4", 5" and 6" duct
- All white except **L88-995** and **L88-996** are black

Fig.	Order #	Size (W x H)	Carton Qty.	Description	Each
A	**L88-981**	8" x 8"	4	MV2 2-Way	**105.00**
A	**L88-982**	6" x 6"	8	MV2S 2-Way	**79.00**
B	**L88-983**	8" x 8"	4	MV3 3-Way	**105.00**
B	**L88-984**	6" x 6"	8	MV3S 3-Way	**79.00**
C	**L88-985**	8" x 8"	4	MV4 4-Way	**105.00**
C	**L88-986**	6" x 6"	8	MV4S 4-Way	**79.00**
D	**L88-987**	8" x 8"	4	MV360 Round	**105.00**
D	**L88-988**	6" x 6"	6	MV360S Round	**79.00**
E	**L88-989**	8" x 8"	4	MVE Return	**105.00**
E	**L88-990**	6" x 6"	8	MVES Return	**79.00**
E	**L88-991**	8" x 8"	4	MXE Return — No Damper	**95.00**
E	**L88-992**	6" x 6"	8	MXES Return — No Damper	**69.00**
F	**L88-993**	8" x 8"	4	MVAW Antique	**135.00**
F	**L88-994**	6" x 6"	8	MVASW Antique	**115.00**
F	**L88-995**	8" x 8"	4	MVAB Antique	**135.00**
F	**L88-996**	6" x 6"	8	MVASB Antique	**115.00**



TRUaire Retrofit Accessories

- Transfers weight to T-bars or framing, preventing sagging

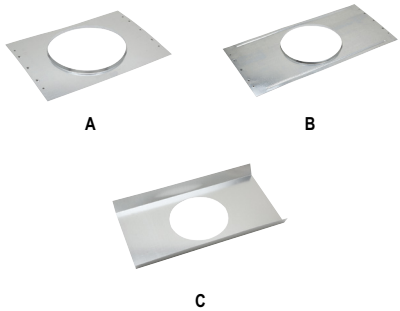


Fig.	Order #	Size (W x H)	Description	Each
A	**L88-997**	8" x 8"	Rough In Flange 16" OC	**19.49**
A	**L88-998**	6" x 6"	Rough In Flange 16" OC	**19.49**
B	**L88-999**	8" x 8"	Rough In Flange 24" OC	**21.99**
B	**L89-001**	6" x 6"	Rough In Flange 24" OC	**21.99**
C	**L89-002**	8" x 8"	Drop Ceiling Flange	**22.49**

Rezzin™ Plastic Ceiling Diffusers

- 4-way deflection
- **L88-911** includes 6", 7" and 8" collars, ratcheting cam lock, removable core and integral damper
- **L88-912** is a T-bar directional diffuser
- White

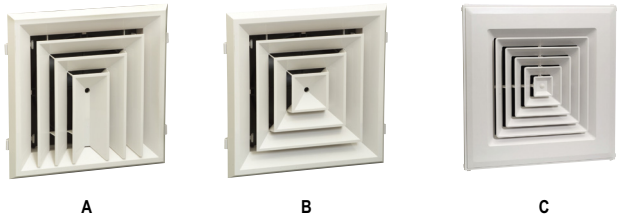


Fig.	Order #	Size (W x H)	Carton Qty.	Description	Each	10 Lot
A	**L89-212**	12" x 12"	10	RZ503 3-Way	**185.00**	**165.00**
B	**L88-911**	12" X 12"	10	RZ504 4-Way	**155.00**	**139.00**
C	**L88-912**	24" X 24"	5	RZSRT 4-Way T-Bar	**329.00**	**299.00**

HART COOLEY



RZSR Duct Adapters

- Fits **L88-912** Rezzin™ T-Bar diffuser

Order #	Size	Carton Qty.	Each
L70-624	6"	5	**42.99**
L70-625	8"	5	**42.99**
L70-626	10"	5	**42.99**
L70-627	12"	5	**42.99**
L70-628	14"	5	**42.99**

HART COOLEY



RZ16 Plastic Round Ceiling Diffuser

- Engineered polymer construction
- 6", 7" and 8" collars included
- Ratcheting cam lock
- Removable core and integral damper
- White

Order #	Size	Carton Qty.	Each	10 Lot
L89-239	12"	10	**135.00**	**125.00**



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100 Series Sidewall/Ceiling Registers

◀ NEW

Stamped Louvered

- Steel
- White



A



B



C



D

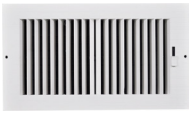
Fig.	Order #	Description	Size (W x H)	Damper Type	Each
1/2" Blade Spacing					
A	**L72-029**	101M 1-Way	10" x 6"	Multi-Shutter	**16.99**
A	**L72-030**	101M 1-Way	12" x 6"	Multi-Shutter	**18.99**
A	**L72-031**	101M 1-Way	14" x 6"	Multi-Shutter	**19.99**
A	**L72-815** ◀	101M 1-Way	10" x 6"	Multi-Shutter	**16.99**
A	**L72-032**	101M 1-Way	12" x 8"	Multi-Shutter	**22.49**
A	**L72-033**	101M 1-Way	14" x 8"	Multi-Shutter	**23.99**
B	**L70-536**	102M 2-Way	6" x 4"	Multi-Shutter	**12.49**
B	**L70-001**	102M 2-Way	6" x 6"	Multi-Shutter	**15.49**
B	**L70-002**	102M 2-Way	8" x 4"	Multi-Shutter	**14.49**
B	**L70-003**	102M 2-Way	8" x 6"	Multi-Shutter	**15.99**
B	**L70-004**	102M 2-Way	8" x 8"	Multi-Shutter	**17.99**
B	**L70-005**	102M 2-Way	10" x 4"	Multi-Shutter	**14.99**
B	**L70-006**	102M 2-Way	10" x 6"	Multi-Shutter	**16.99**
B	**L72-816** ◀	102M 2-Way	10" x 8"	Multi-Shutter	**19.99**
B	**L72-817** ◀	102M 2-Way	10" x 10"	Multi-Shutter	**27.99**
B	**L70-007**	102M 2-Way	12" x 4"	Multi-Shutter	**15.99**
B	**L70-008**	102M 2-Way	12" x 6"	Multi-Shutter	**18.99**
B	**L71-734**	102M 2-Way	12" x 8"	Multi-Shutter	**22.49**
B	**L70-537**	102M 2-Way	12" x 12"	Multi-Shutter	**35.49**
B	**L70-009**	102M 2-Way	14" x 4"	Multi-Shutter	**17.49**
B	**L70-010**	102M 2-Way	14" x 6"	Multi-Shutter	**19.99**
B	**L70-011**	102M 2-Way	14" x 8"	Multi-Shutter	**23.99**
B	**L70-012**	102M 2-Way	14" x 12"	Multi-Shutter	**43.99**
B	**L72-034**	102M 2-Way	16" x 6"	Multi-Shutter	**25.49**
B	**L70-013**	102M 2-Way	16" x 8"	Multi-Shutter	**29.99**
B	**L70-014**	102M 2-Way	16" x 10"	Multi-Shutter	**35.49**
B	**L70-015**	102M 2-Way	18" x 4"	Multi-Shutter	**31.99**
B	**L70-016**	102M 2-Way	20" x 6"	Multi-Shutter	**35.99**
B	**L70-017**	102M 2-Way	24" x 6"	Multi-Shutter	**40.99**
B	**L72-036**	102O 2-Way	8" x 4"	Opposed Blade	**27.99**
B	**L72-037**	102O 2-Way	10" x 6"	Opposed Blade	**32.49**
B	**L72-038**	102O 2-Way	12"x 6"	Opposed Blade	**34.49**
B	**L72-039**	102O 2-Way	14" x 6"	Opposed Blade	**36.49**
C	**L70-018**	103M 3-Way	6" x 6"	Multi-Shutter	**15.49**
C	**L70-019**	103M 3-Way	8" x 4"	Multi-Shutter	**14.49**
C	**L70-020**	103M 3-Way	8" x 6"	Multi-Shutter	**15.99**
C	**L70-021**	103M 3-Way	8" x 8"	Multi-Shutter	**17.99**
C	**L70-022**	103M 3-Way	10" x 4"	Multi-Shutter	**14.99**
C	**L70-023**	103M 3-Way	10" x 6"	Multi-Shutter	**16.99**
C	**L70-024**	103M 3-Way	10" x 8"	Multi-Shutter	**19.99**
C	**L70-025**	103M 3-Way	10" x 10"	Multi-Shutter	**27.99**
C	**L70-026**	103M 3-Way	12" x 4"	Multi-Shutter	**15.99**
C	**L70-027**	103M 3-Way	12"x 6"	Multi-Shutter	**18.99**
C	**L70-028**	103M 3-Way	12" x 8"	Multi-Shutter	**22.49**
C	**L72-040**	103M 3-Way	12" x 10"	Multi-Shutter	**30.49**
C	**L70-029**	103M 3-Way	12" x 12"	Multi-Shutter	**35.49**
C	**L70-030**	103M 3-Way	14" x 4"	Multi-Shutter	**17.49**
C	**L70-031**	103M 3-Way	14" x 6"	Multi-Shutter	**19.99**
C	**L70-032**	103M 3-Way	14" x 8"	Multi-Shutter	**23.99**
C	**L70-538**	103M 3-Way	14" x 14"	Multi-Shutter	**32.49**
C	**L70-033**	103M 3-Way	14" x 10"	Multi-Shutter	**47.49**
C	**L70-034**	103M 3-Way	16" x 8"	Multi-Shutter	**29.99**
C	**L70-035**	103M 3-Way	18" x 8"	Multi-Shutter	**33.49**
C	**L70-036**	103M 3-Way	24" x 8"	Multi-Shutter	**55.00**
C	**L72-047**	103MT 3-Way	8" x 4"	Multi-Shutter	**14.49**
C	**L72-048**	103MT 3-Way	8" x 6"	Multi-Shutter	**15.99**
C	**L72-049**	103MT 3-Way	10" x 6"	Multi-Shutter	**16.99**
C	**L72-050**	103MT 3-Way	10" x 8"	Multi-Shutter	**19.99**
C	**L72-051**	103MT 3-Way	10" x 10"	Multi-Shutter	**27.99**
C	**L72-052**	103MT 3-Way	12"x 6"	Multi-Shutter	**18.99**
C	**L72-053**	103MT 3-Way	12" x 8"	Multi-Shutter	**22.49**
C	**L72-054**	103MT 3-Way	14" x 6"	Multi-Shutter	**19.99**
C	**L72-055**	103MT 3-Way	14" x 8"	Multi-Shutter	**23.99**
C	**L72-056**	103O 3-Way	8" x 4"	Opposed Blade	**27.99**
C	**L72-057**	103O 3-Way	8" x 6"	Opposed Blade	**30.49**
C	**L72-058**	103O 3-Way	10" x 6"	Opposed Blade	**32.49**
C	**L72-059**	103O 3-Way	12"x 6"	Opposed Blade	**34.49**
C	**L72-060**	103O 3-Way	12" x 8"	Opposed Blade	**37.49**
C	**L72-061**	103O 3-Way	14" x 6"	Opposed Blade	**36.49**
C	**L72-062**	103O 3-Way	14" x 8"	Opposed Blade	**46.99**
D	**L70-037**	104M 4-Way	6" x 6"	Multi-Shutter	**15.99**
D	**L70-038**	104M 4-Way	8" x 8"	Multi-Shutter	**19.49**
D	**L70-039**	104M 4-Way	10" x 10"	Multi-Shutter	**31.49**
D	**L70-040**	104M 4-Way	12" x 12"	Multi-Shutter	**36.49**
D	**L70-041**	104M 4-Way	14" x 14"	Multi-Shutter	**48.99**
D	**L70-042**	104M 4-Way	16" x 16"	Multi-Shutter	**65.00**
D	**L70-043**	104M 4-Way	20" x 20"	Multi-Shutter	**99.00**
1/3" Blade Spacing					
B	**L72-829** ◀	132M 2-Way	6" x 4"	Multi-Shutter	**12.49**
B	**L70-044**	132M 2-Way	6" x 6"	Multi-Shutter	**15.49**
B	**L72-830** ◀	132M 2-Way	8" x 4"	Multi-Shutter	**14.49**
B	**L70-045**	132M 2-Way	8" x 6"	Multi-Shutter	**15.99**
B	**L70-046**	132M 2-Way	8" x 8"	Multi-Shutter	**17.99**
B	**L70-047**	132M 2-Way	10" x 4"	Multi-Shutter	**14.99**
B	**L70-048**	132M 2-Way	10" x 6"	Multi-Shutter	**16.99**
B	**L72-831** ◀	132M 2-Way	10" x 8"	Multi-Shutter	**19.99**
B	**L72-832** ◀	132M 2-Way	10" x 10"	Multi-Shutter	**27.99**
B	**L70-049**	132M 2-Way	12" x 4"	Multi-Shutter	**15.99**
B	**L70-050**	132M 2-Way	12" x 6"	Multi-Shutter	**18.99**
B	**L72-833** ◀	132M 2-Way	12" x 8"	Multi-Shutter	**22.49**
B	**L70-051**	132M 2-Way	12" x 10"	Multi-Shutter	**27.99**
B	**L70-052**	132M 2-Way	14" x 4"	Multi-Shutter	**17.99**
B	**L70-053**	132M 2-Way	14" x 6"	Multi-Shutter	**19.99**
B	**L72-834** ◀	132M 2-Way	14" x 8"	Multi-Shutter	**23.99**
B	**L72-835** ◀	132M 2-Way	16" x 8"	Multi-Shutter	**30.99**
C	**L72-836** ◀	133M 3-Way	10" x 6"	Multi-Shutter	**16.99**
C	**L72-837** ◀	133M 3-Way	12" x 6"	Multi-Shutter	**18.99**

RECTORSEAL A CSW Industrials Company

TRUaire

100 Series Plastic Sidewall/Ceiling Register

- Molded plastic face
- Multi-louver Shutter



A



B



C

Fig.	Order #	Description	Size (W x H)	Damper Type	Color	Each
A	**L72-035**	102MP 2-Way	8" x 4"	Multi-Shutter	White	**8.85**
B	**L72-041**	103MP 3-Way	8" x 4"	Multi-Shutter	White	**8.85**
B	**L72-042**	103MP 3-Way	10" x 6"	Multi-Shutter	White	**12.99**
B	**L72-043**	103MP 3-Way	10" x 8"	Multi-Shutter	White	**13.99**
B	**L72-044**	103MP 3-Way	12"x 6"	Multi-Shutter	White	**13.49**
B	**L72-045**	103MP 3-Way	12" x 8"	Multi-Shutter	White	**18.49**
B	**L72-046**	103MP 3-Way	14" x 8"	Multi-Shutter	White	**18.99**
C	**L72-063**	104MP 4-Way	12" x 12"	Multi-Shutter	White	**23.49**

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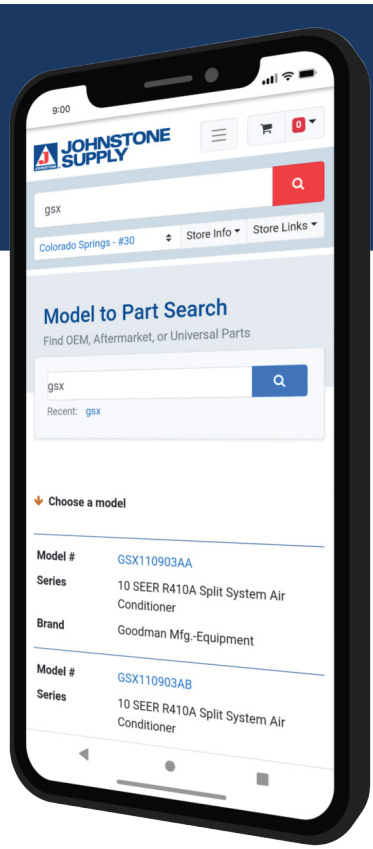

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210 and 220 Series Adjustable Sidewall/Ceiling Registers ◀ NEW

Bar Type

- Steel
- Vertical face bars
- Adjustable fins provide individual deflection control
- 210 series has single deflection and 220 series has double deflection



A



B



C

Fig.	Order #	Description	Size (W x H)	Damper Type	Color	Each
A	**L70-245**	210VM	6" x 4"	Multi-Shutter	White	**31.49**
A	**L70-246**	210VM	6" x 6"	Multi-Shutter	White	**32.49**
A	**L70-247**	210VM	8" x 4"	Multi-Shutter	White	**29.49**
A	**L70-248**	210VM	8" x 6"	Multi-Shutter	White	**38.49**
A	**L70-249**	210VM	8" x 8"	Multi-Shutter	White	**40.99**
A	**L70-250**	210VM	10" x 4"	Multi-Shutter	White	**32.49**
A	**L70-251**	210VM	10" x 6"	Multi-Shutter	White	**39.49**
A	**L70-252**	210VM	10" x 8"	Multi-Shutter	White	**45.49**
A	**L70-253**	210VM	10" x 10"	Multi-Shutter	White	**48.99**
A	**L70-254**	210VM	12" x 4"	Multi-Shutter	White	**35.49**
A	**L70-255**	210VM	12" x 6"	Multi-Shutter	White	**40.49**
A	**L70-256**	210VM	12" x 8"	Multi-Shutter	White	**55.00**
A	**L70-257**	210VM	12" x 10"	Multi-Shutter	White	**55.00**
A	**L70-258**	210VM	12" x 12"	Multi-Shutter	White	**59.00**
A	**L70-259**	210VM	14" x 4"	Multi-Shutter	White	**38.49**
A	**L70-260**	210VM	14" x 6"	Multi-Shutter	White	**43.49**
A	**L70-261**	210VM	14" x 8"	Multi-Shutter	White	**55.00**
A	**L70-262**	210VM	14" x 10"	Multi-Shutter	White	**65.00**
A	**L70-263**	210VM	14" x 14"	Multi-Shutter	White	**75.00**
A	**L70-264**	210VM	16" x 4"	Multi-Shutter	White	**48.99**
A	**L70-265**	210VM	16" x 6"	Multi-Shutter	White	**55.00**
A	**L72-874** ◀	210VM	16" x 8"	Multi-Shutter	White	**65.00**
A	**L70-266**	210VM	18" x 10"	Multi-Shutter	White	**75.00**
A	**L70-267**	210VM	18" x 18"	Multi-Shutter	White	**125.00**
A	**L70-268**	210VM	20" x 6"	Multi-Shutter	White	**65.00**
A	**L70-269**	210VM	20" x 8"	Multi-Shutter	White	**65.00**
A	**L70-270**	210VM	20" x 10"	Multi-Shutter	White	**79.00**
A	**L72-875** ◀	210VM	20" x 12"	Multi-Shutter	White	**89.00**
A	**L70-271**	210VM	20" x 14"	Multi-Shutter	White	**105.00**
A	**L70-272**	210VM	24" x 6"	Multi-Shutter	White	**69.00**
A	**L72-876** ◀	210VM	24" x 8"	Multi-Shutter	White	**75.00**
A	**L70-273**	210VM	24" x 14"	Multi-Shutter	White	**125.00**
A	**L70-274**	210VM	30" x 10"	Multi-Shutter	White	**105.00**
B	**L70-275**	210VO	6" x 4"	Opposed Blade	White	**40.49**
B	**L70-276**	210VO	14" x 4"	Opposed Blade	White	**49.99**
C	**L70-277**	220VO	12" x 10"	Opposed Blade	White	**99.00**
A	**L70-589**	210VM	16" x 10"	Multi-Shutter	White	**65.00**

Fig.	Order #	Description	Size (W x H)	Damper Type	Color	Each
A	**L70-590**	210VM	18" x 6"	Multi-Shutter	White	**65.00**
A	**L70-591**	210VM	20" x 20"	Multi-Shutter	White	**145.00**
A	**L70-592**	210VM	24" x 12"	Multi-Shutter	White	**89.00**
C	**L70-593**	220VO	14" x 8"	Opposed Blade	White	**95.00**
B	**L72-109**	210VO	6" x 6"	Opposed Blade	White	**41.99**
B	**L72-110**	210VO	8" x 6"	Opposed Blade	White	**49.49**
B	**L72-111**	210VO	8" x 8"	Opposed Blade	White	**55.00**
B	**L72-112**	210VO	10" x 6"	Opposed Blade	White	**55.00**
B	**L72-113**	210VO	10" x 10"	Opposed Blade	White	**65.00**
B	**L72-114**	210VO	12" x 6"	Opposed Blade	White	**55.00**
B	**L72-115**	210VO	12" x 12"	Opposed Blade	White	**79.00**
B	**L72-116**	210VO	14" x 6"	Opposed Blade	White	**59.00**
B	**L72-117**	210VO	14" x 8"	Opposed Blade	White	**75.00**
B	**L72-118**	210VO	16" x 6"	Opposed Blade	White	**69.00**
B	**L72-119**	210VO	20" x 6"	Opposed Blade	White	**79.00**
B	**L72-120**	210VO	24" x 6"	Opposed Blade	White	**95.00**
C	**L72-121**	220V	20" x 8"	No Damper	White	**75.00**
C	**L72-122**	220V	28" x 8"	No Damper	White	**115.00**
C	**L72-123**	220V	30" x 10"	No Damper	White	**125.00**
C	**L72-124**	220VO	6" x 6"	Opposed Blade	White	**55.00**
C	**L72-125**	220VO	8" x 6"	Opposed Blade	White	**69.00**
C	**L72-126**	220VO	8" x 8"	Opposed Blade	White	**75.00**
C	**L72-127**	220VO	10" x 6"	Opposed Blade	White	**69.00**
C	**L72-128**	220VO	10" x 10"	Opposed Blade	White	**99.00**
C	**L72-129**	220VO	12" x 6"	Opposed Blade	White	**75.00**
C	**L72-130**	220VO	12" x 8"	Opposed Blade	White	**89.00**
C	**L72-131**	220VO	12" x 12"	Opposed Blade	White	**115.00**
C	**L72-132**	220VO	14" x 6"	Opposed Blade	White	**79.00**
C	**L72-134**	220VO	16" x 6"	Opposed Blade	White	**85.00**
C	**L72-135**	220VO	16" x 8"	Opposed Blade	White	**105.00**
C	**L72-136**	220VO	18" x 4"	Opposed Blade	White	**95.00**
C	**L72-137**	220VO	18" x 6"	Opposed Blade	White	**99.00**
C	**L72-138**	220VO	18" x 8"	Opposed Blade	White	**109.00**
C	**L72-139**	220VO	20" x 6"	Opposed Blade	White	**99.00**
C	**L72-140**	220VO	24" x 6"	Opposed Blade	White	**119.00**
C	**L72-141**	220VO	24" x 8"	Opposed Blade	White	**125.00**
C	**L72-142**	220VO	30" x 6"	Opposed Blade	White	**139.00**

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300 Series Adjustable Curved Blade Sidewall/Ceiling Registers

TRUaire RECTORSEAL A CSW Industrials Company

- Steel
- Multi-shutter damper


A


B


C


D

Fig.	Order #	Description	Size (W x H)	Color	Each
A	**L70-346**	301M 1-Way	6" x 6"	White	**42.99**
A	**L70-347**	301M 1-Way	8" x 8"	White	**55.00**
A	**L70-348**	301M 1-Way	10" x 10"	White	**65.00**
B	**L70-349**	302M 2-Way	8" x 8"	White	**55.00**
B	**L70-350**	302M 2-Way	10" x 10"	White	**65.00**
B	**L70-351**	302VM 2-Way	10" x 10"	White	**65.00**
B	**L70-604**	302VM 2-Way	12" x 12"	White	**75.00**
C	**L70-352**	303M 3-Way	6" x 6"	White	**55.00**
C	**L70-353**	303M 3-Way	8" x 4"	White	**55.00**
C	**L70-354**	303M 3-Way	8" x 6"	White	**65.00**
C	**L70-355**	303M 3-Way	8" x 8"	White	**65.00**
C	**L70-356**	303M 3-Way	10" x 4"	White	**59.00**
C	**L70-357**	303M 3-Way	10" x 6"	White	**65.00**
C	**L70-358**	303M 3-Way	10" x 10"	White	**79.00**
C	**L70-359**	303M 3-Way	12" x 4"	White	**65.00**

Fig.	Order #	Description	Size (W x H)	Color	Each
C	**L70-360**	303M 3-Way	12" x 6"	White	**69.00**
C	**L71-732**	303M 3-Way	12" x 8"	White	**79.00**
C	**L70-361**	303M 3-Way	12" x 12"	White	**95.00**
C	**L70-362**	303M 3-Way	14" x 4"	White	**69.00**
C	**L70-363**	303M 3-Way	14" x 6"	White	**75.00**
C	**L70-364**	303M 3-Way	14" x 8"	White	**85.00**
C	**L71-733**	303M 3-Way	14" x 14"	White	**115.00**
C	**L70-365**	303M 3-Way	18" x 18"	White	**185.00**
D	**L70-370**	304M 4-Way	6" x 6"	White	**55.00**
D	**L70-371**	304M 4-Way	8" x 8"	White	**65.00**
D	**L70-606**	304M 4-Way	8" x 4"	White	**55.00**
D	**L70-366**	304M 4-Way	10" x 10"	White	**79.00**
D	**L70-367**	304M 4-Way	12" x 12"	White	**95.00**
D	**L70-368**	304M 4-Way	14" x 14"	White	**115.00**
D	**L70-369**	304M 4-Way	20" x 20"	White	**205.00**

A400 Aluminum Curved Blade Sidewall/Ceiling Registers

TRUaire RECTORSEAL A CSW Industrials Company

- Aluminum
- Three way stamped face



Order #	Description	Size (W x H)	Damper Type	Color	Each
L72-185	A403M	10" x 6"	Multi-Shutter	White	**28.99**
L72-186	A403M	10" x 8"	Multi-Shutter	White	**38.49**

Baseboard Supply Registers

NEW

TRUaire RECTORSEAL A CSW Industrials Company

- Steel
- Available in sunburst blade pattern
- Furnished with SmoothGlide dampers



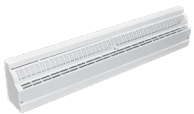
Order #	Description	Size (W x H)	Color	Each
L72-818 ◀	115SW	15" x 4-1/2"	White	**30.49**
L70-054	118S	18" x 4-1/2"	Brown	**33.99**
L70-055	118S	18" x 4-1/2"	White	**33.99**

121S Series Deluxe Baseboard Register

NEW

TRUaire RECTORSEAL A CSW Industrials Company

- Steel construction
- Furnished with dampers



Order #	Size (W x H)	Color	Each
L72-819 ◀	24" x 4-1/2"	White	**85.00**

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400 Series Curved Blade Sidewall/Ceiling Registers

◀ NEW

RECTORSEAL A CSW Industrials Company

TRUaire

Stamped

- Steel



A



B



C



D



E

Fig.	Order #	Description	Size (W x H)	Damper Type	Color	Each
A	**L72-146**	401M 1-Way	8" x 4"	Multi-Shutter	White	**14.49**
A	**L70-372**	401M 1-Way	8" x 6"	Multi-Shutter	White	**20.99**
A	**L79-097**	401M 1-Way	10" x 4"	Multi-Shutter	White	**18.49**
A	**L79-098**	401M 1-Way	10" x 6"	Multi-Shutter	White	**18.49**
A	**L72-147**	401M 1-Way	10" x 8"	Multi-Shutter	White	**22.99**
A	**L72-877** ◀	401M 1-Way	10" x 10"	Multi-Shutter	White	**34.99**
A	**L70-373**	401M 1-Way	12" x 4"	Multi-Shutter	White	**21.49**
A	**L70-374**	401M 1-Way	12" x 6"	Multi-Shutter	White	**18.99**
A	**L70-375**	401M 1-Way	12" x 8"	Multi-Shutter	White	**24.49**
A	**L72-878** ◀	401M 1-Way	12" x 12"	Multi-Shutter	White	**41.99**
A	**L70-609**	401M 1-Way	14" x 4"	Multi-Shutter	White	**22.49**
A	**L70-376**	401M 1-Way	14" x 6"	Multi-Shutter	White	**24.49**
A	**L79-099**	401M 1-Way	14" x 8"	Multi-Shutter	White	**26.99**
B	**L72-880** ◀	402M 2-Way	10' x 6"	Multi-Shutter	White	**22.99**
B	**L72-881** ◀	402M 2-Way	12" x 8"	Multi-Shutter	White	**29.49**
B	**L72-882** ◀	402M 2-Way	12" x 12"	Multi-Shutter	White	**48.99**
C	**L79-103**	403M 3-Way	8" x 4"	Multi-Shutter	White	**18.99**
C	**L79-100**	403M 3-Way	10" x 4"	Multi-Shutter	White	**20.49**
C	**L79-101**	403M 3-Way	10" x 6"	Multi-Shutter	White	**22.49**
C	**L72-148**	403M 3-Way	10" x 8"	Multi-Shutter	White	**29.49**
C	**L72-149**	403M 3-Way	10" x 10"	Multi-Shutter	White	**40.99**
C	**L79-102**	403M 3-Way	12" x 4"	Multi-Shutter	White	**20.99**
C	**L70-377**	403M 3-Way	12" x 6"	Multi-Shutter	White	**24.49**

Fig.	Order #	Description	Size (W x H)	Damper Type	Color	Each
C	**L72-150**	403M 3-Way	12" x 8"	Multi-Shutter	White	**28.49**
C	**L70-378**	403M 3-Way	14" x 4"	Multi-Shutter	White	**22.49**
C	**L70-379**	403M 3-Way	14" x 6"	Multi-Shutter	White	**25.99**
C	**L70-380**	403M 3-Way	14" x 8"	Multi-Shutter	White	**32.49**
D	**L72-151**	403MT 3-Way	8" x 4"	Multi-Shutter	White	**18.99**
D	**L72-152**	403MT 3-Way	10" x 6"	Multi-Shutter	White	**22.49**
D	**L72-153**	403MT 3-Way	10" x 8"	Multi-Shutter	White	**29.49**
D	**L72-154**	403MT 3-Way	10" x 10"	Multi-Shutter	White	**40.99**
D	**L72-155**	403MT 3-Way	12" x 8"	Multi-Shutter	White	**28.49**
D	**L72-156**	403MT 3-Way	14" x 8"	Multi-Shutter	White	**32.49**
D	**L72-157**	403O 3-Way	8" x 4"	Opposed Blade	White	**29.99**
D	**L72-158**	403O 3-Way	10" x 6"	Opposed Blade	White	**34.99**
D	**L72-159**	403O 3-Way	10" x 8"	Opposed Blade	White	**43.49**
D	**L72-160**	403O 3-Way	12" x 6"	Opposed Blade	White	**38.49**
D	**L72-161**	403O 3-Way	14" x 6"	Opposed Blade	White	**40.99**
E	**L70-610**	404M 4-Way	8" x 8"	Multi-Shutter	White	**24.99**
E	**L70-381**	404M 4-Way	10" x 10"	Multi-Shutter	White	**40.99**
E	**L70-382**	404M 4-Way	12" x 12"	Multi-Shutter	White	**47.49**
C	**L72-163**	453M 3-Way	8" x 4"	Multi-Shutter	White	**15.99**
C	**L72-164**	453M 3-Way	10" x 6"	Multi-Shutter	White	**22.49**
C	**L72-165**	453M 3-Way	10" x 8"	Multi-Shutter	White	**29.49**
C	**L72-166**	453M 3-Way	12" x 8"	Multi-Shutter	White	**28.49**

A200 Series Aluminum Sidewall/Ceiling Registers

RECTORSEAL A CSW Industrials Company

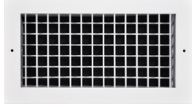
TRUaire

Bar Type

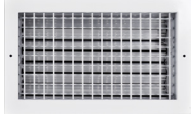
- Adjustable fins provide individual deflection control
- Vertical face bars
- A210 series has single deflection and A220 series has double deflection



A



B



C

Fig.	Order #	Description	Size (W x H)	Damper Type	Color	Each
A	**L70-408**	A210VM	6" x 6"	Multi-Shutter	White	**38.49**
A	**L70-409**	A210VM	8" x 4"	Multi-Shutter	White	**29.49**
A	**L70-410**	A210VM	8" x 6"	Multi-Shutter	White	**55.00**
A	**L70-411**	A210VM	8" x 8"	Multi-Shutter	White	**59.00**
A	**L70-412**	A210VM	10" x 4"	Multi-Shutter	White	**40.49**
A	**L70-413**	A210VM	10" x 6"	Multi-Shutter	White	**34.49**
A	**L72-172**	A210VM	10" x 8"	Multi-Shutter	White	**65.00**
A	**L70-414**	A210VM	10" x 10"	Multi-Shutter	White	**69.00**
A	**L70-415**	A210VM	12" x 4"	Multi-Shutter	White	**35.49**
A	**L70-416**	A210VM	12" x 6"	Multi-Shutter	White	**37.99**

Fig.	Order #	Description	Size (W x H)	Damper Type	Color	Each
A	**L70-417**	A210VM	12" x 8"	Multi-Shutter	White	**47.49**
A	**L70-418**	A210VM	12" x 12"	Multi-Shutter	White	**85.00**
A	**L70-419**	A210VM	14" x 4"	Multi-Shutter	White	**55.00**
A	**L70-420**	A210VM	14" x 6"	Multi-Shutter	White	**42.49**
A	**L70-421**	A210VM	14" x 8"	Multi-Shutter	White	**65.00**
A	**L70-422**	A210VM	14" x 14"	Multi-Shutter	White	**105.00**
B	**L72-173**	A220V	20" x 8"	No Damper	Dark Gray	**195.00**
B	**L72-174**	A220V	28" x 8"	No Damper	Dark Gray	**265.00**
C	**L70-423**	A220VO	12" x 6"	Opposed Blade	White	**145.00**

TRUaire RECTORSEAL A CSW Industrials Company

125T Series Baseboard Registers ◀ NEW

- Steel
- 1/3" blade spacing
- No damper



Order #	Description	Size (W x H)	Color	Each
L72-827 ◀	Return	14" x 6"	White	69.00
L72-828 ◀	Return	30" x 6"	White	105.00

TRUaire RECTORSEAL A CSW Industrials Company

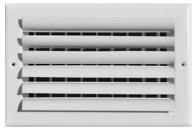
A300 Series Aluminum Curved Blade Sidewall/Ceiling Registers ◀ NEW

Adjustable

- One piece frame


A


B


C


D

Fig.	Order #	Description	Size (W x H)	Damper Type	Color	Each
A	L72-189	A301HM 1-Way	8" x 4"	Multi-Shutter	White	24.49
A	L72-948 ◀	A301HM 1-Way	8" x 8"	Multi-Shutter	White	32.49
A	L72-949 ◀	A301HM 1-Way	10" x 4"	Multi-Shutter	White	26.99
A	L72-190	A301HM 1-Way	10" x 6"	Multi-Shutter	White	29.99
A	L72-950 ◀	A301HM 1-Way	10" x 8"	Multi-Shutter	White	37.49
A	L72-951 ◀	A301HM 1-Way	10" x 10"	Multi-Shutter	White	40.49
A	L72-952 ◀	A301HM 1-Way	12" x 4"	Multi-Shutter	White	28.99
A	L72-191	A301HM 1-Way	12" x 6"	Multi-Shutter	White	29.99
A	L72-192	A301HM 1-Way	12" x 8"	Multi-Shutter	White	40.49
A	L72-953 ◀	A301HM 1-Way	12" x 12"	Multi-Shutter	White	55.00
A	L72-954 ◀	A301HM 1-Way	14" x 4"	Multi-Shutter	White	29.49
A	L70-470	A301HM 1-Way	14" x 6"	Multi-Shutter	White	32.49
A	L70-471	A301HM 1-Way	14" x 8"	Multi-Shutter	White	42.99
A	L72-181	A301HO 1-Way	8" x 4"	Opposed Blade	White	32.99
A	L72-182	A301HO 1-Way	10" x 6"	Opposed Blade	White	40.99
B	L72-955 ◀	A302M 2-Way	10" x 6"	Multi-Shutter	White	29.99
B	L72-956 ◀	A302M 2-Way	10" x 10"	Multi-Shutter	White	40.49
B	L72-957 ◀	A302M 2-Way	12" x 6"	Multi-Shutter	White	29.99
B	L72-958 ◀	A302M 2-Way	12" x 8"	Multi-Shutter	White	40.49
B	L72-959 ◀	A302M 2-Way	12" x 12"	Multi-Shutter	White	55.00
B	L72-960 ◀	A302M 2-Way	14" x 6"	Multi-Shutter	White	32.49
C	L70-472	A303M 3-Way	6" x 6"	Multi-Shutter	White	36.49
C	L70-473	A303M 3-Way	8" x 4"	Multi-Shutter	White	30.99
C	L70-474	A303M 3-Way	8" x 8"	Multi-Shutter	White	41.49
C	L70-476	A303M 3-Way	10" x 6"	Multi-Shutter	White	38.49
C	L72-961 ◀	A303M 3-Way	10" x 8"	Multi-Shutter	White	47.99
C	L70-477	A303M 3-Way	10" x 10"	Multi-Shutter	White	49.49
C	L70-478	A303M 3-Way	12" x 6"	Multi-Shutter	White	38.49
C	L72-962 ◀	A303M 3-Way	12" x 8"	Multi-Shutter	White	55.00
C	L70-479	A303M 3-Way	12" x 12"	Multi-Shutter	White	65.00
C	L70-480	A303M 3-Way	14" x 6"	Multi-Shutter	White	41.49
C	L70-481	A303M 3-Way	14" x 8"	Multi-Shutter	White	55.00
C	L72-183	A303O 3-Way	8" x 4"	Multi-Shutter	White	69.00
C	L72-184	A303O 3-Way	12" x 6"	Multi-Shutter	White	89.00
D	L70-483	A304M 4-Way	6" x 6"	Multi-Shutter	White	36.49
D	L71-735	A304M 4-Way	8" x 8"	Multi-Shutter	White	41.49
D	L70-485	A304M 4-Way	10" x 10"	Multi-Shutter	White	55.00
D	L70-486	A304M 4-Way	12" x 12"	Multi-Shutter	White	65.00
D	L70-487	A304M 4-Way	14" x 14"	Multi-Shutter	White	85.00

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150M Floor Registers

Stamped Face

- Steel
- Multi-shutter damper



Order #	Description	Size (D x W)	Color	Each
L70-062	150M 2-Way	2" x 10"	Brown	**9.65**
L70-063	150M 2-Way	2" x 12"	Brown	**10.99**
L70-064	150M 2-Way	2" x 14"	Brown	**11.49**
L70-065	150M 2-Way	4" x 8"	Brown	**9.89**
L70-066	150M 2-Way	4" x 10"	Brown	**10.49**
L70-067	150M 2-Way	4" x 12"	Brown	**11.49**
L70-068	150M 2-Way	4" x 14"	Brown	**13.49**
L70-069	150M 2-Way	6" x 10"	Brown	**17.49**
L70-070	150M 2-Way	6" x 12"	Brown	**18.99**
L70-071	150M 2-Way	6" x 14"	Brown	**19.99**
L70-072	150M 2-Way	2" x 10"	White	**9.65**
L70-073	150M 2-Way	2" x 12"	White	**10.99**
L71-762	150M 2-Way	2" x 14"	White	**11.49**
L70-074	150M 2-Way	4" x 8"	White	**9.89**
L70-075	150M 2-Way	4" x 10"	White	**10.49**
L70-076	150M 2-Way	4" x 12"	White	**11.49**
L70-077	150M 2-Way	4" x 14"	White	**13.49**
L70-078	150M 2-Way	6" x 10"	White	**17.49**
L70-079	150M 2-Way	6" x 12"	White	**18.99**
L70-080	150M 2-Way	6" x 14"	White	**19.99**
L70-539	150M 2-Way	2" x 10"	White Textured	**9.65**

Order #	Description	Size (D x W)	Color	Each
L70-540	150M 2-Way	2" x 12"	White Textured	**10.99**
L70-541	150M 2-Way	2" x 14"	White Textured	**11.49**
L70-542	150M 2-Way	4" x 8"	White Textured	**9.89**
L70-543	150M 2-Way	4" x 10"	White Textured	**10.49**
L70-544	150M 2-Way	4" x 12"	White Textured	**11.49**
L70-545	150M 2-Way	4" x 14"	White Textured	**13.49**
L71-724	150M 2-Way	6" x 10"	White Textured	**17.49**
L70-546	150M 2-Way	6" x 12"	White Textured	**18.99**
L71-725	150M 2-Way	6" x 14"	White Textured	**19.99**
L72-193	153M 3-Way	4" x 10"	Brown	**10.49**
L72-194	153M 3-Way	4" x 12"	Brown	**11.49**
L72-195	153M 3-Way	4" x 14"	Brown	**13.49**
L72-196	153M 3-Way	6" x 10"	Brown	**17.49**
L72-197	153M 3-Way	6" x 12"	Brown	**18.99**
L72-198	153M 3-Way	6" x 14"	Brown	**19.99**
L72-199	153M 3-Way	4" x 10"	White	**10.49**
L72-200	153M 3-Way	4" x 12"	White	**11.49**
L72-201	153M 3-Way	4" x 14"	White	**13.49**
L72-202	153M 3-Way	6" x 10"	White	**17.49**
L72-203	153M 3-Way	6" x 12"	White	**18.99**
L72-204	153M 3-Way	6" x 14"	White	**19.99**

150T Toe Space Grilles

Stamped Face

- Steel



Order #	Description	Size (D x W)	Color	Each
L70-081	150TS	2" x 10"	Brown	**7.09**
L70-082	150TS	2" x 12"	Brown	**7.25**
L70-083	150TS	2" x 14"	Brown	**8.05**
L70-084	150TS	2" x 10"	White	**7.09**

Order #	Description	Size (D x W)	Color	Each
L70-086	150TS	2" x 12"	White	**7.25**
L70-087	150TS	2" x 14"	White	**8.05**
L70-085	150TS	4" x 10"	White	**8.99**
L70-547	150TS	2" x 10"	White Textured	**7.09**

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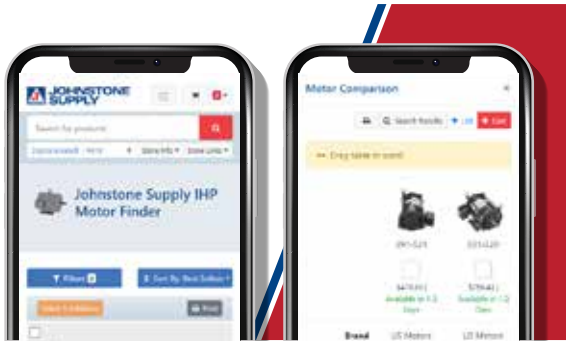
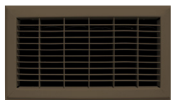


TRUaire RECTORSEAL A CSW Industrials Company

154 Series Heavy Duty Floor Register/Grille

NEW

- Heavy gauge steel construction
- 154O series are supply registers
- 154R series are return grilles



Order #	Description	Size (D x W)	Color	Shutter Type	Each
Supply					
L72-838	154O	4" x 8"	Brown	Opposed Blade	23.99
L72-839	154O	6" x 10"	Brown	Opposed Blade	28.99
L72-840	154O	6" x 12"	Brown	Opposed Blade	31.99
L72-841	154O	8" x 10"	Brown	Opposed Blade	34.99
L72-842	154O	8" x 12"	Brown	Opposed Blade	36.49
L72-843	154O	10" x 12"	Brown	Opposed Blade	45.49
Return					
L70-088	154R	4" x 10"	Brown	No Damper	19.99
L70-089	154R	4" x 12"	Brown	No Damper	21.49
L70-090	154R	4" x 14"	Brown	No Damper	23.49
L72-844	154R	4" x 24"	Brown	No Damper	44.99
L72-845	154R	4" x 30"	Brown	No Damper	69.00
L72-737	154R	6" x 10"	Brown	No Damper	21.49
L72-738	154R	6" x 12"	Brown	No Damper	22.99
L70-091	154R	6" x 14"	Brown	No Damper	25.99
L70-092	154R	6" x 24"	Brown	No Damper	55.00
L72-739	154R	6" x 30"	Brown	No Damper	65.00
L72-740	154R	8" x 10"	Brown	No Damper	23.49
L72-741	154R	8" x 12"	Brown	No Damper	24.49
L70-093	154R	8" x 14"	Brown	No Damper	28.99
L72-742	154R	8" x 20"	Brown	No Damper	55.00

Order #	Description	Size (D x W)	Color	Shutter Type	Each
L70-094	154R	8" x 24"	Brown	No Damper	55.00
L70-095	154R	8" x 30"	Brown	No Damper	65.00
L72-743	154R	10" x 10"	Brown	No Damper	28.99
L72-744	154R	10" x 12"	Brown	No Damper	29.99
L72-745	154R	10" x 14"	Brown	No Damper	34.99
L72-065	154R	10" x 20"	Brown	No Damper	59.00
L72-746	154R	10" x 24"	Brown	No Damper	65.00
L72-747	154R	10" x 30"	Brown	No Damper	75.00
L70-096	154R	12" x 12"	Brown	No Damper	36.49
L72-748	154R	12" x 14"	Brown	No Damper	38.49
L72-751	154R	12" x 30"	Brown	No Damper	69.00
L72-749	154R	12" x 20"	Brown	No Damper	49.49
L72-750	154R	12" x 24"	Brown	No Damper	65.00
L72-846	154R	14" x 16"	Brown	No Damper	55.00
L72-752	154R	14" x 14"	Brown	No Damper	55.00
L70-097	154R	14" x 20"	Brown	No Damper	65.00
L72-753	154R	14" x 24"	Brown	No Damper	69.00
L70-098	154R	14" x 30"	Brown	No Damper	85.00
L72-754	154R	16" x 20"	Brown	No Damper	75.00
L72-755	154R	16" x 24"	Brown	No Damper	79.00
L72-756	154R	16" x 30"	Brown	No Damper	109.00
L72-757	154R	20" x 20"	Brown	No Damper	109.00

TRUaire RECTORSEAL A CSW Industrials Company

122 and 123 Series Baseboard Return Air Grilles

NEW

Stamped Face

- Steel
- 122 series has 1/2" blade spacing
- 123 series has 1/3" blade spacing



Order #	Description	Size (D x W)	Color	Each
L72-820	122R	30" x 10"	White	79.00
L72-822	123R	12" x 6"	White	24.99
L72-823	123R	14" x 6"	White	24.49
L72-821	123R	14" x 6"	Brown	24.99
L70-056	123R	14" x 8"	White	25.49
L72-824	123R	14" x 10"	White	42.99
L72-825	123R	16" x 6"	White	22.99

Order #	Description	Size (D x W)	Color	Each
L72-826	123R	24" x 6"	White	33.49
L70-057	123R	24" x 8	White	35.99
L70-058	123R	30" x 6	White	36.99
L70-059	123R	30" x 8	White	41.49
L70-060	123R	30" x 10	White	79.00
L70-061	123R	30" x 12	White	85.00

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170 & 173 Series Return Air Grilles

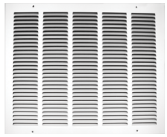
NEW

RECTORSEAL A CSW Industrials Company

TRUaire

Stamped Face

- Steel
- 170T models have mounting holes to match Air Mate
- **L72-067** has four mounting holes



Order #	Description	Size (W x H)	Fin Spacing	Color	Each
L70-548	170	6" x 4"	1/2"	White	**6.35**
L70-099	170	6" x 6"	1/2"	White	**6.75**
L72-847 ◀	170	8" x 4"	1/2"	White	**6.75**
L70-100	170	8" x 8"	1/2"	White	**8.29**
L70-101	170	10" x 4"	1/2"	White	**7.25**
L70-102	170	10" x 6"	1/2"	White	**8.05**
L72-066	170	10" x 8"	1/2"	White	**8.89**
L70-103	170	10" x 10"	1/2"	White	**13.49**
L70-104	170	10" x 14"	1/2"	White	**24.99**
L70-105	170	10" x 20"	1/2"	White	**25.49**
L70-549	170	10" x 30"	1/2"	White	**31.99**
L70-106	170	12" x 4"	1/2"	White	**8.05**
L70-107	170	12" x 6"	1/2"	White	**8.99**
L70-108	170	12" x 8"	1/2"	White	**9.45**
L70-109	170	12" x 10"	1/2"	White	**15.49**
L70-110	170	12" x 12"	1/2"	White	**15.99**
L72-067	170	12" x 12-4"	1/2"	White	**15.99**
L72-848 ◀	170	12" x 18"	1/2"	White	**20.99**
L70-111	170	12" x 20"	1/2"	White	**23.99**
L70-112	170	12" x 24"	1/2"	White	**35.49**
L70-113	170	14" x 4"	1/2"	White	**8.79**
L70-114	170	14" x 6"	1/2"	White	**9.89**
L70-115	170	14" x 8"	1/2"	White	**10.49**
L70-116	170	14" x 10"	1/2"	White	**16.99**
L72-849 ◀	170	14" x 12"	1/2"	White	**17.99**
L70-117	170	14" x 14"	1/2"	White	**21.99**
L70-118	170	14" x 20"	1/2"	White	**30.99**
L70-550	170	14" x 22"	1/2"	White	**36.49**
L70-119	170	14" x 24"	1/2"	White	**37.49**
L70-120	170	14" x 25"	1/2"	White	**39.99**
L70-121	170	14" x 30"	1/2"	White	**47.99**
L70-551	170	14" x 36"	1/2"	White	**65.00**
L72-850 ◀	170	16" x 6"	1/2"	White	**10.49**
L70-122	170	16" x 8"	1/2"	White	**11.49**
L70-535	170	16" x 10"	1/2"	White	**18.99**
L72-068	170	16" x 12"	1/2"	White	**19.49**
L70-123	170	16" x 16"	1/2"	White	**28.49**
L70-124	170	16" x 20"	1/2"	White	**35.49**
L70-125	170	16" x 24"	1/2"	White	**44.49**
L72-069	170	16" x 25"	1/2"	White	**59.00**
L70-126	170	18" x 6"	1/2"	White	**11.49**
L70-127	170	18" x 8"	1/2"	White	**11.99**
L72-070	170	18" x 10"	1/2"	White	**20.49**
L70-128	170	18" x 14"	1/2"	White	**28.99**
L70-129	170	18" x 18"	1/2"	White	**35.99**
L70-130	170	18" x 24"	1/2"	White	**75.00**
L72-071	170	18" x 30"	1/2"	White	**79.00**
L72-851 ◀	170	20" x 6"	1/2"	White	**12.49**
L72-852 ◀	170	20" x 8"	1/2"	White	**12.99**
L70-131	170	20" x 10"	1/2"	White	**21.99**
L70-132	170	20" x 12"	1/2"	White	**23.49**
L70-133	170	20" x 14"	1/2"	White	**30.99**
L70-134	170	20" x 16"	1/2"	White	**35.49**
L70-135	170	20" x 20"	1/2"	White	**43.99**
L70-136	170	20" x 24"	1/2"	White	**55.00**
L70-137	170	20" x 25"	1/2"	White	**65.00**
L70-138	170	20" x 30"	1/2"	White	**69.00**
L72-072	170	20" x 36"	1/2"	White	**109.00**
L70-139	170	22" x 14"	1/2"	White	**36.49**
L72-073	170	24" x 4"	1/2"	White	**12.99**

Order #	Description	Size (W x H)	Fin Spacing	Color	Each
L70-140	170	24" x 6"	1/2"	White	**14.99**
L70-141	170	24" x 8"	1/2"	White	**15.49**
L70-142	170	24" x 10"	1/2"	White	**25.49**
L70-143	170	24" x 12"	1/2"	White	**27.49**
L70-144	170	24" x 14"	1/2"	White	**37.49**
L70-145	170	24" x 16"	1/2"	White	**42.49**
L70-146	170	24" x 18"	1/2"	White	**47.99**
L70-147	170	24" x 20"	1/2"	White	**55.00**
L70-148	170	24" x 24"	1/2"	White	**55.00**
L72-853 ◀	170	24" x 30"	1/2"	White	**85.00**
L72-074	170	25" x 16"	1/2"	White	**49.99**
L70-149	170	25" x 20"	1/2"	White	**65.00**
L70-150	170	26" x 12"	1/2"	White	**38.49**
L72-075	170	28" x 14"	1/2"	White	**39.99**
L70-151	170	30" x 6"	1/2"	White	**18.49**
L70-152	170	30" x 8"	1/2"	White	**16.99**
L70-153	170	30" x 10"	1/2"	White	**30.49**
L70-154	170	30" x 12"	1/2"	White	**33.99**
L70-155	170	30" x 14"	1/2"	White	**46.49**
L70-156	170	30" x 16"	1/2"	White	**55.00**
L72-079	170	30" x 18"	1/2"	White	**65.00**
L70-157	170	30" x 20"	1/2"	White	**69.00**
L72-854 ◀	170	30" x 30"	1/2"	White	**105.00**
L71-726	170	36" x 10"	1/2"	White	**40.99**
L71-727	170	36" x 12"	1/2"	White	**46.99**
L70-158	170	30" x 24"	1/2"	White	**85.00**
L70-159	170	36" x 14"	1/2"	White	**59.00**
L72-080	170	36" x 16"	1/2"	White	**65.00**
L70-160	170	36" x 18"	1/2"	White	**75.00**
L70-161	170	36" x 20"	1/2"	White	**85.00**
L70-162	170	40" x 20"	1/2"	White	**95.00**
L72-081	170T	16" x 25"	1/2"	White	**59.00**
L72-082	170T	20' X 25"	1/2"	White	**65.00**
L72-083	170T	20" x 30"	1/2"	White	**69.00**
L72-084	170T	25" x 16"	1/2"	White	**49.99**
L72-085	170T	25" x 20"	1/2"	White	**65.00**
L72-086	170T	30" x 14"	1/2"	White	**46.49**
L72-087	170T	30" x 16"	1/2"	White	**55.00**
L72-088	170T	30" x 20"	1/2"	White	**69.00**
L70-163	173	6" x 6"	1/3"	White	**6.75**
L72-855 ◀	173	8" x 6"	1/3"	White	**7.25**
L70-164	173	8" x 8"	1/3"	White	**8.29**
L70-165	173	10" x 4"	1/3"	White	**7.25**
L70-166	173	10" x 6"	1/3"	White	**8.05**
L72-758	173	10" x 8"	1/3"	White	**8.89**
L70-167	173	10" x 10"	1/3"	White	**13.49**
L70-168	173	12" x 4"	1/3"	White	**8.05**
L70-169	173	12" x 6"	1/3"	White	**8.99**
L72-759	173	12" x 8"	1/3"	White	**9.45**
L72-760	173	12" x 10"	1/3"	White	**15.49**
L70-170	173	12" x 12"	1/3"	White	**15.99**
L70-171	173	14" x 4"	1/3"	White	**8.79**
L70-172	173	14" x 6"	1/3"	White	**9.89**
L70-173	173	14" x 8"	1/3"	White	**10.49**
L72-761	173	14" x 10"	1/3"	White	**16.99**
L72-762	173	14" x 12"	1/3"	White	**17.99**
L70-174	173	14" x 14"	1/3"	White	**21.99**
L70-175	173	14" x 20"	1/3"	White	**30.99**

continued on next page

Order #	Description	Size (W x H)	Fin Spacing	Color	Each
L70-176	173	14" x 24"	1/3"	White	**37.49**
L70-177	173	16" x 6"	1/3"	White	**10.49**
L70-178	173	16" x 8"	1/3"	White	**11.49**
L72-089	173	16" x 10"	1/3"	White	**18.99**
L70-179	173	16" x 12"	1/3"	White	**19.49**
L70-180	173	16" x 16"	1/3"	White	**28.49**
L72-763	173	16" x 20"	1/3"	White	**35.49**
L72-856 ◄	173	18" x 8"	1/3"	White	**11.99**
L72-857 ◄	173	18" x 12"	1/3"	White	**20.99**
L70-181	173	18" x 18"	1/3"	White	**35.99**
L70-182	173	20" x 6"	1/3"	White	**12.49**
L70-183	173	20" x 8"	1/3"	White	**12.99**
L70-184	173	20" x 10"	1/3"	White	**21.99**
L72-764	173	20" x 12"	1/3"	White	**23.49**
L70-185	173	20" x 14"	1/3"	White	**30.99**
L72-765	173	20" x 16"	1/3"	White	**35.49**
L70-186	173	20" x 20"	1/3"	White	**43.99**

Order #	Description	Size (W x H)	Fin Spacing	Color	Each
L70-187	173	24" x 6"	1/3"	White	**20.99**
L70-188	173	24" x 8"	1/3"	White	**23.49**
L70-189	173	24" x 10"	1/3"	White	**25.49**
L70-190	173	24" x 12"	1/3"	White	**27.49**
L72-766	173	24" x 14"	1/3"	White	**37.49**
L70-191	173	24" x 16"	1/3"	White	**42.49**
L72-767	173	24" x 18"	1/3"	White	**47.99**
L70-192	173	24" x 24"	1/3"	White	**65.00**
L70-193	173	30" x 6"	1/3"	White	**18.49**
L70-194	173	30" x 8"	1/3"	White	**16.99**
L70-195	173	30" x 10"	1/3"	White	**30.49**
L70-196	173	30" x 12"	1/3"	White	**33.99**
L70-197	173	30" x 14"	1/3"	White	**46.49**
L72-768	173	30" x 16"	1/3"	White	**55.00**
L72-769	173	30" x 20"	1/3"	White	**69.00**
L72-770	173	30" x 24"	1/3"	White	**85.00**

RECTORSEAL
A CSW Industrials Company

TRUaire

270 Return Air Grilles

Fixed Bar

- Steel
- Horizontal blade



Order #	Description	Size (W x H)	Color	Each
L70-594	270	6" x 6"	White	**21.49**
L70-278	270	8" x 4"	White	**21.49**
L70-279	270	8" x 8"	White	**23.49**
L70-280	270	10" x 10"	White	**28.99**
L70-281	270	12" x 6"	White	**25.99**
L70-282	270	12" x 8"	White	**27.99**
L70-283	270	12" x 12"	White	**31.49**
L70-284	270	14" x 6"	White	**30.99**
L70-595	270	14" x 8"	White	**32.99**
L70-285	270	14" x 14"	White	**43.49**
L70-286	270	14" x 20"	White	**65.00**
L70-287	270	14" x 24"	White	**75.00**
L70-288	270	14" x 30"	White	**115.00**
L70-289	270	16" x 8"	White	**37.49**
L70-596	270	16" x 10"	White	**40.99**
L71-730	270	16" x 16"	White	**59.00**
L70-290	270	18" x 18"	White	**75.00**
L70-291	270	20" x 8"	White	**43.49**
L70-292	270	20" x 10"	White	**47.99**
L70-293	270	20" x 12"	White	**55.00**
L70-294	270	20" x 14"	White	**65.00**
L70-295	270	20" x 18"	White	**79.00**
L71-731	270	20" x 16"	White	**75.00**
L70-296	270	20" x 20"	White	**89.00**

Order #	Description	Size (W x H)	Color	Each
L70-297	270	20" x 30"	White	**155.00**
L70-298	270	24" x 6"	White	**48.99**
L70-299	270	24" x 8"	White	**55.00**
L70-300	270	24" x 10"	White	**59.00**
L70-301	270	24" x 12"	White	**65.00**
L70-302	270	24" x 14"	White	**75.00**
L70-303	270	24" x 24"	White	**129.00**
L70-305	270	25" x 14"	White	**115.00**
L70-306	270	25" x 16"	White	**125.00**
L70-307	270	25" x 20"	White	**135.00**
L72-143	270	28" x 14"	White	**119.00**
L70-308	270	30" x 6"	White	**69.00**
L70-309	270	30" x 8"	White	**75.00**
L70-310	270	30" x 10"	White	**79.00**
L70-311	270	30" x 12"	White	**95.00**
L70-312	270	30" x 14"	White	**109.00**
L70-313	270	30" x 16"	White	**125.00**
L70-597	270	30" x 20"	White	**155.00**
L70-314	270	30" x 24"	White	**185.00**
L70-598	270	36" x 10"	White	**95.00**
L70-315	270	36" x 18"	White	**169.00**
L70-316	270	36" x 20"	White	**185.00**
L70-599	270	36" x 24"	White	**235.00**
L70-600	270	40" x 20"	White	**249.00**

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190, 190RF and 193RF Return Air Filter Grilles

◀ NEW

Stamped Face

- Steel
- RF models have a removable face
- Uses standard 1" filters, not included



A



B

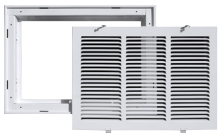
Fig.	Order #	Description	Size (W x H)	Fin Spacing	Color	Each
A	**L70-552**	190	10" x 10"	1/2"	White	**26.99**
A	**L70-553**	190	12" x 12"	1/2"	White	**30.99**
A	**L72-814**	190	14" x 6"	1/2"	White	**31.49**
A	**L70-554**	190	14" x 10"	1/2"	White	**32.49**
A	**L70-555**	190	14" x 14"	1/2"	White	**37.49**
A	**L71-728**	190	14" x 20"	1/2"	White	**55.00**
A	**L70-556**	190	14" x 24"	1/2"	White	**59.00**
A	**L70-557**	190	14" x 30"	1/2"	White	**69.00**
A	**L70-558**	190	16" x 10"	1/2"	White	**39.99**
A	**L71-729**	190	16" x 25"	1/2"	White	**69.00**
A	**L70-559**	190	16" x 30"	1/2"	White	**85.00**
A	**L70-560**	190	18" x 18"	1/2"	White	**65.00**
A	**L70-561**	190	20" x 10"	1/2"	White	**44.49**
A	**L70-562**	190	20" x 12"	1/2"	White	**45.99**
A	**L70-563**	190	20" x 14"	1/2"	White	**55.00**
A	**L70-564**	190	20" x 16"	1/2"	White	**59.00**
A	**L70-565**	190	20" x 20"	1/2"	White	**75.00**
A	**L70-566**	190	20" x 25"	1/2"	White	**89.00**
A	**L72-090**	190	20" x 30"	1/2"	White	**99.00**
A	**L70-567**	190	24" x 10"	1/2"	White	**55.00**
A	**L70-568**	190	24" x 12"	1/2"	White	**59.00**
A	**L70-569**	190	24" x 14"	1/2"	White	**59.00**
A	**L70-570**	190	24" x 16"	1/2"	White	**69.00**
A	**L70-571**	190	24" x 18"	1/2"	White	**75.00**
A	**L72-091**	190	24" x 20"	1/2"	White	**85.00**
A	**L70-572**	190	24" x 24"	1/2"	White	**99.00**
A	**L70-573**	190	24" x 30"	1/2"	White	**125.00**
A	**L70-574**	190	25" x 12"	1/2"	White	**55.00**
A	**L70-575**	190	25" x 14"	1/2"	White	**65.00**
A	**L70-576**	190	25" x 16"	1/2"	White	**69.00**
A	**L70-577**	190	25" x 20"	1/2"	White	**89.00**
A	**L70-578**	190	30" x 8"	1/2"	White	**59.00**
A	**L70-579**	190	30" x 10"	1/2"	White	**65.00**
A	**L70-580**	190	30" x 12"	1/2"	White	**65.00**
A	**L70-581**	190	30" x 14"	1/2"	White	**69.00**
A	**L70-582**	190	30" x 16"	1/2"	White	**79.00**
A	**L70-583**	190	30" x 20"	1/2"	White	**99.00**
A	**L70-584**	190	30" x 24"	1/2"	White	**115.00**
A	**L70-585**	190	36" x 14"	1/2"	White	**85.00**
A	**L70-586**	190	36" x 18"	1/2"	White	**109.00**
A	**L70-587**	190	36" x 36"	1/2"	White	**195.00**
B	**L70-198**	190RF	10" x 10"	1/2"	White	**26.99**
B	**L70-199**	190RF	10" x 20"	1/2"	White	**44.49**
B	**L72-858** ◀	190RF	12" x 18"	1/2"	White	**55.00**
B	**L70-200**	190RF	12" x 12"	1/2"	White	**30.99**
B	**L72-092**	190RF	12" x 24"	1/2"	White	**55.00**
B	**L72-859** ◀	190RF	12" x 20"	1/2"	White	**45.99**
B	**L72-860** ◀	190RF	12" x 30"	1/2"	White	**65.00**
B	**L70-202**	190RF	14" x 14"	1/2"	White	**25.99**
B	**L70-203**	190RF	14" x 20"	1/2"	White	**55.00**

Fig.	Order #	Description	Size (W x H)	Fin Spacing	Color	Each
B	**L70-204**	190RF	14" x 24"	1/2"	White	**59.00**
B	**L70-205**	190RF	14" x 25"	1/2"	White	**65.00**
B	**L70-206**	190RF	14" x 30"	1/2"	White	**69.00**
B	**L70-207**	190RF	16" x 16"	1/2"	White	**55.00**
B	**L70-208**	190RF	16" x 20"	1/2"	White	**59.00**
B	**L70-209**	190RF	16" x 24"	1/2"	White	**69.00**
B	**L70-210**	190RF	16" x 25"	1/2"	White	**42.49**
B	**L70-211**	190RF	16" x 30"	1/2"	White	**85.00**
B	**L70-212**	190RF	18" x 12"	1/2"	White	**44.99**
B	**L70-213**	190RF	18" x 18"	1/2"	White	**65.00**
B	**L72-861** ◀	190RF	18" x 20"	1/2"	White	**85.00**
B	**L72-862** ◀	190RF	18" x 24"	1/2"	White	**105.00**
B	**L70-214**	190RF	20" x 10"	1/2"	White	**44.49**
B	**L70-215**	190RF	20" x 12"	1/2"	White	**45.99**
B	**L70-216**	190RF	20" x 14"	1/2"	White	**55.00**
B	**L70-217**	190RF	20" x 16"	1/2"	White	**59.00**
B	**L70-218**	190RF	20" x 20"	1/2"	White	**65.00**
B	**L70-219**	190RF	20" x 24"	1/2"	White	**85.00**
B	**L70-220**	190RF	20" x 25"	1/2"	White	**89.00**
B	**L70-221**	190RF	20" x 30"	1/2"	White	**89.00**
B	**L72-863** ◀	190RF	20" x 36"	1/2"	White	**125.00**
B	**L70-222**	190RF	24" x 6"	1/2"	White	**46.49**
B	**L70-223**	190RF	24" x 10"	1/2"	White	**55.00**
B	**L70-224**	190RF	24" x 12"	1/2"	White	**31.49**
B	**L70-225**	190RF	24" x 14"	1/2"	White	**59.00**
B	**L70-226**	190RF	24" x 16"	1/2"	White	**69.00**
B	**L70-227**	190RF	24" x 18"	1/2"	White	**75.00**
B	**L70-228**	190RF	24" x 20"	1/2"	White	**85.00**
B	**L70-229**	190RF	24" x 24"	1/2"	White	**65.00**
B	**L70-230**	190RF	24" x 30"	1/2"	White	**115.00**
B	**L70-232**	190RF	25" x 14"	1/2"	White	**65.00**
B	**L70-233**	190RF	25" x 16"	1/2"	White	**69.00**
B	**L70-234**	190RF	25" x 20"	1/2"	White	**55.00**
B	**L72-864** ◀	190RF	25" x 25"	1/2"	—	**105.00**
B	**L72-093**	190RF	28" x 14"	1/2"	White	**85.00**
B	**L70-235**	190RF	30" x 8"	1/2"	White	**59.00**
B	**L70-236**	190RF	30" x 10"	1/2"	White	**65.00**
B	**L70-237**	190RF	30" x 12"	1/2"	White	**65.00**
B	**L70-238**	190RF	30" x 14"	1/2"	White	**69.00**
B	**L70-239**	190RF	30" x 16"	1/2"	White	**79.00**
B	**L72-094**	190RF	30" x 18"	1/2"	White	**89.00**
B	**L70-240**	190RF	30" x 20"	1/2"	White	**59.00**
B	**L70-241**	190RF	30" x 24"	1/2"	White	**115.00**
B	**L72-865** ◀	190RF	30" x 30"	1/2"	White	**145.00**
B	**L72-866** ◀	190RF	36" x 12"	1/2"	White	**75.00**
B	**L70-243**	190RF	36" x 18"	1/2"	White	**109.00**
B	**L72-867** ◀	190RF	36" x 24"	1/2"	White	**135.00**
B	**L72-868** ◀	193RF	20" x 25"	1/3"	White	**89.00**
B	**L72-869** ◀	193RF	25" x 20"	1/3"	White	**89.00**

RECTORSEAL A CSW Industrials Company
TRUaire

192RF Stamped Face Return Air Filter Grilles

- Steel
- RF models have a removable face
- Uses standard 2" filters, not included



Order #	Description	Size (W x H)	Color	Each
L71-995	192RF	14" x 14"	White	**43.49**
L71-996	192RF	14" x 20"	White	**59.00**
L71-997	192RF	14" x 24"	White	**69.00**
L71-998	192RF	14" x 25"	White	**69.00**
L71-999	192RF	16" x 25"	White	**79.00**
L72-001	192RF	18" x 12"	White	**55.00**
L72-002	192RF	18" x 18	White	**75.00**
L72-003	192RF	20" x 14"	White	**59.00**
L72-004	192RF	20" x 16"	White	**69.00**
L72-005	192RF	20" x 20"	White	**75.00**
L72-006	192RF	20" x 24"	White	**99.00**
L72-007	192RF	20" x 25"	White	**105.00**
L72-008	192RF	20" x 30"	White	**115.00**
L72-009	192RF	24" x 12"	White	**65.00**

Order #	Description	Size (W x H)	Color	Each
L72-010	192RF	24" x 14"	White	**69.00**
L72-011	192RF	24" x 16"	White	**79.00**
L72-012	192RF	24" x 20"	White	**99.00**
L72-013	192RF	24" x 24"	White	**115.00**
L72-014	192RF	24" x 30"	White	**145.00**
L72-015	192RF	25" x 14"	White	**69.00**
L72-016	192RF	25" x 20"	White	**105.00**
L72-017	192RF	30" x 10"	White	**69.00**
L72-018	192RF	30" x 12"	White	**75.00**
L72-019	192RF	30" x 14"	White	**79.00**
L72-020	192RF	30" x 16"	White	**89.00**
L72-021	192RF	30" x 20"	White	**115.00**
L72-022	192RF	30" x 24"	White	**129.00**
L72-023	192RF	36" x 18"	White	**125.00**

RECTORSEAL A CSW Industrials Company
TRUaire

290 Return Air Filter Grilles

Fixed Bar

- Steel
- Uses standard 1" filters, not included



Order #	Description	Size (W x H)	Color	Each
L70-317	290	10" x 10"	White	**41.99**
L70-318	290	12" x 12"	White	**44.99**
L70-319	290	14" x 14"	White	**65.00**
L70-320	290	14" x 20"	White	**89.00**
L70-601	290	14" x 24"	White	**105.00**
L70-602	290	14" x 30"	White	**155.00**
L70-603	290	16" x 30"	White	**225.00**
L70-321	290	18" x 18"	White	**105.00**
L70-322	290	20" x 10"	White	**69.00**
L70-323	290	20" x 12"	White	**75.00**
L70-324	290	20" x 14"	White	**89.00**
L70-325	290	20" x 16"	White	**105.00**
L70-326	290	20" x 20"	White	**125.00**
L70-327	290	20" x 25"	White	**159.00**
L79-104	290	20" x 30"	White	**215.00**
L70-328	290	24" x 10"	White	**75.00**
L70-329	290	24" x 12"	White	**95.00**

Order #	Description	Size (W x H)	Color	Each
L70-330	290	24" x 14"	White	**105.00**
L70-331	290	24" x 18"	White	**135.00**
L70-332	290	24" x 20"	White	**155.00**
L70-333	290	24" x 24"	White	**185.00**
L70-334	290	25" x 14"	White	**115.00**
L70-335	290	25" x 16"	White	**129.00**
L70-336	290	25" x 20"	White	**159.00**
L70-337	290	30" x 10"	White	**109.00**
L70-338	290	30" x 12"	White	**129.00**
L70-339	290	30" x 14"	White	**155.00**
L70-340	290	30" x 16"	White	**175.00**
L70-341	290	30" x 20"	White	**215.00**
L70-342	290	30" x 24"	White	**259.00**
L70-343	290	36" x 14"	White	**185.00**
L70-344	290	36" x 20"	White	**305.00**
L70-345	290	36" x 24"	White	**319.00**

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A290 Aluminum Return Air Filter Grilles

Fixed Bar

- Fixed hinge face
- 3/4" blade spacing
- Uses standard 1" filters, not included
- RF models have a removable face



A



B

Fig.	Order #	Description	Size (W x H)	Color	Each
30° Blade Pitch From Grille Face					
A	**L70-461**	A290	12" x 12"	White	**65.00**
A	**L70-618**	A290	14" x 20"	White	**109.00**
A	**L70-462**	A290	16" x 16"	White	**105.00**
A	**L70-463**	A290	20" x 14"	White	**109.00**
A	**L70-464**	A290	20" x 20"	White	**155.00**
A	**L70-619**	A290	20" x 30"	White	**225.00**
A	**L70-465**	A290	24" x 12"	White	**105.00**
A	**L70-466**	A290	24" x 14"	White	**125.00**
A	**L70-467**	A290	24" x 20"	White	**179.00**
A	**L70-468**	A290	30" x 14"	White	**159.00**
A	**L72-178**	A290	30" x 16"	Dark Gray	**179.00**
A	**L70-469**	A290	30" x 20"	White	**225.00**
B	**L72-179**	A290RF	28" x 14"	Aluminum	**145.00**
B	**L72-180**	A290RF	28" x 14"	Dark Gray	**145.00**
45° Blade Pitch From Grille Face					
A	**L72-932** ◂	A290	10" x 10"	White	**55.00**

Fig.	Order #	Description	Size (W x H)	Color	Each
A	**L72-933** ◂	A290	12" x 12"	White	**65.00**
A	**L72-934** ◂	A290	14" x 14"	White	**85.00**
A	**L72-935** ◂	A290	16" x 16"	White	**105.00**
A	**L72-936** ◂	A290	18" x 18"	White	**125.00**
A	**L72-937** ◂	A290	20" x 20"	White	**129.00**
A	**L72-938** ◂	A290	24" x 12"	White	**105.00**
A	**L72-939** ◂	A290	24" x 14"	White	**125.00**
A	**L72-940** ◂	A290	24" x 20"	White	**179.00**
A	**L72-941** ◂	A290	24" x 24"	White	**219.00**
A	**L72-942** ◂	A290	24" x 24" TAB	White	**219.00**
A	**L72-943** ◂	A290	30" x 12"	White	**139.00**
A	**L72-944** ◂	A290	30" x 14"	White	**159.00**
A	**L72-945** ◂	A290	30" x 20"	White	**225.00**
A	**L72-947** ◂	A290	30" x 16"	White	**179.00**
A	**L72-946** ◂	A290	30" x 24"	White	**275.00**

A270 Aluminum Return Air Grilles

Fixed Bar

- Horizontal blades
- 3/4"blade spacing



Order #	Size (W x H)	Color	Each
30° Blade Pitch From Grille Face			
L70-424	6" x 6"	White	**27.99**
L70-425	8" x 8"	White	**28.99**
L70-427	10" x 6"	White	**29.49**
L70-428	10" x 10"	White	**33.99**
L70-429	12" x 6"	White	**30.99**
L70-430	12" x 8"	White	**35.99**
L70-431	12" x 12"	White	**42.49**
L72-175	12" x 14"	White	**75.00**
L70-432	14" x 6"	White	**35.49**
L70-433	14" x 8"	White	**38.49**
L70-434	14" x 10"	White	**42.49**
L70-436	14" x 14"	White	**55.00**
L70-437	14" x 20"	White	**75.00**
L70-438	14" x 24"	White	**89.00**
L70-439	16" x 10"	White	**44.99**
L70-440	16" x 16"	White	**65.00**
L70-617	16" x 25"	White	**105.00**
L70-441	18" x 18"	White	**89.00**
L70-442	20" x 10"	White	**55.00**

Order #	Size (W x H)	Color	Each
L70-443	20" x 12"	White	**59.00**
L70-444	20" x 14"	White	**69.00**
L70-445	20" x 20"	White	**99.00**
L70-446	20" x 24"	White	**115.00**
L70-447	24" x 8"	White	**55.00**
L70-448	24" x 10"	White	**59.00**
L70-449	24" x 12"	White	**69.00**
L70-450	24" x 14"	White	**85.00**
L70-451	24" x 18"	White	**109.00**
L70-452	24" x 20"	White	**115.00**
L70-453	24" x 24"	White	**139.00**
L72-177	28" x 14"	Dark Gray	**105.00**
L70-455	30" x 8"	White	**75.00**
L70-456	30" x 10"	White	**89.00**
L70-457	30" x 12"	White	**95.00**
L70-458	30" x 14"	White	**109.00**
L70-459	30" x 16"	White	**125.00**
L70-460	30" x 20"	White	**149.00**
L72-176	36" x 20"	White	**219.00**

continued on next page

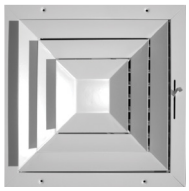
Order #	Size (W x H)	Color	Each
45° Blade Pitch From Grille Face			
L72-897 ◄	8" x 8"	White	28.99
L72-898 ◄	10" x 6"	White	29.49
L72-899 ◄	10" x 10"	White	33.99
L72-900 ◄	12" x 6"	White	30.99
L72-901 ◄	12" x 8"	White	35.99
L72-133	12" x 12"	White	42.49
L72-902 ◄	12" x 24"	White	75.00
L72-903 ◄	14" x 6"	White	35.49
L72-904 ◄	14" x 8"	White	38.49
L72-905 ◄	14" x 10"	White	42.49
L72-906 ◄	14" x 14"	White	55.00
L72-907 ◄	14" x 20"	White	75.00
L72-908 ◄	14" x 24"	White	89.00
L72-909 ◄	16" x 8"	White	42.49
L72-910 ◄	16" x 16"	White	65.00
L72-911 ◄	18" x12"	White	59.00
L72-912 ◄	18" x 18"	White	89.00
L72-913 ◄	20" x 8"	White	48.99

Order #	Size (W x H)	Color	Each
L72-914 ◄	20" x 10"	White	55.00
L72-915 ◄	20" x 12"	White	59.00
L72-916 ◄	20" x 14"	White	69.00
L72-917 ◄	20" x 20"	White	99.00
L72-918 ◄	24" x 8"	White	55.00
L72-919 ◄	24" x 10"	White	59.00
L72-920 ◄	24" x 12"	White	69.00
L72-921 ◄	24" x 14"	White	85.00
L72-922 ◄	24" x 18"	White	109.00
L72-923 ◄	24" x 24"	White	139.00
L72-924 ◄	30" x 8"	White	75.00
L72-925 ◄	30" x 10"	White	89.00
L72-926 ◄	30" x 12"	White	95.00
L72-927 ◄	30" x 14"	White	109.00
L72-928 ◄	30" x 20"	White	149.00
L72-929 ◄	30" x 24"	White	195.00
L72-930 ◄	36" x 8"	White	95.00
L72-931 ◄	36" x 12"	White	115.00

TRUaire RECTORSEAL A CSW Industrials Company

560 Square Ceiling Diffusers

- Steel
- 4-way air diffusion
- White



Order #	Mfg. #	Size (W x H)	Description	Each
L72-167	560	14" x 14"	No Damper	79.00
L72-168	560	16" x 16"	No Damper	89.00
L72-169	560	18" x 18"	No Damper	115.00
L72-170	560	20" x 20"	No Damper	155.00
L72-171	560M	12" x 12"	Multi-Shutter Damper	79.00
L70-383	560M	14" x 14"	Multi-Shutter Damper	109.00
L70-611	560M	16" x 16"	Multi-Shutter Damper	125.00
L70-384	560M	18" x 18"	Multi-Shutter Damper	165.00
L71-880	560M	20" x 20"	Multi-Shutter Damper	219.00

TRUaire RECTORSEAL A CSW Industrials Company

A500 Series Aluminum Directional Square Ceiling Diffusers ◄ NEW

- Steel
- Mitered corners
- White



A



B



C



D

Fig.	Order #	Mfg. #	Size (W x H)	Description	Each
A	L72-963 ◄	A501M 1-Way	6" x6"	Muliti-Shutter Damper	55.00
B	L70-488	A503M 3-Way	8" x 8"	Muliti-Shutter Damper	65.00
B	L70-489	A503M 3-Way	10" x 10"	Muliti-Shutter Damper	79.00
B	L72-964 ◄	A503M 3-Way	12" x 12"	Muliti-Shutter Damper	99.00
C	L70-490	A504M 4-Way	6" x 6"	Muliti-Shutter Damper	55.00
C	L70-491	A504M 4-Way	8" x 8"	Muliti-Shutter Damper	65.00
C	L70-492	A504M 4-Way	10" x 10"	Muliti-Shutter Damper	79.00
C	L70-493	A504M 4-Way	12" x 12"	Muliti-Shutter Damper	99.00
C	L70-494	A504M 4-Way	14" x 14"	Muliti-Shutter Damper	119.00
C	L72-966 ◄	A504M 4-Way	8" x 8"	Opposed Blade Damper	75.00
C	L72-967 ◄	A504M 4-Way	10" x 10"	Opposed Blade Damper	95.00
C	L72-968 ◄	A504M 4-Way	12" x 12"	Opposed Blade Damper	119.00
C	L72-969 ◄	A504M 4-Way	14" x 14"	Opposed Blade Damper	145.00
D	L72-970 ◄	A505M 2-Way Corner	8" x 8"	Muliti-Shutter Damper	79.00

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800 Round Ceiling Diffusers

- Steel
- 360° air diffusion
- White



Order #	Size	Each
L70-396	6"	25.49
L70-397	8"	29.49
L70-398	10"	33.49

Order #	Size	Each
L70-399	12"	55.00
L70-400	14"	75.00
L70-613	18"	149.00

A520 Series Aluminum Modular Core Diffuser ◀NEW

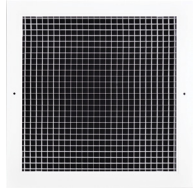
- Flat frame design
- Field configurable throw patterns; one, two, three or four-way
- White



Order #	Mfg. #	Size (W x H)	Each
L72-971 ◀	A520F-10X10	10" x 10"	119.00

A900 Series Series Egg Crate Face Return Grilles ◀NEW

- Extruded aluminum frame construction



Order #	Mfg. #	Description	Size (W x H)	Color	Each
L72-187	A960SQ	Acrylic Egg Crate	12" x 12"	White	75.00
L72-188	A960SQ	Acrylic Egg Crate	14" x 14"	White	89.00
L72-972 ◀	A970SQ	Aluminum Egg Crate	6" x 6"	White	42.49
L72-973 ◀	A970SQ	Aluminum Egg Crate	10" x 10"	White	65.00
L72-974 ◀	A970SQ	Aluminum Egg Crate	20" x 20"	White	165.00

Round Ceiling Diffuser Accessories ◀NEW

- Steel
- 360° air diffusion
- White



A



B



C

Fig.	Order #	Mfg. #	Size	Description	Each
A	L72-024	801-06	6"	Butterfly Damper w/Ring	23.99
A	L72-025	801-08	8"	Butterfly Damper w/Ring	34.99
A	L70-614	801-10	10"	Butterfly Damper w/Ring	44.49
A	L72-026	801-12	12"	Butterfly Damper w/Ring	65.00
A	L72-027	801-14	14"	Butterfly Damper w/Ring	95.00
A	L72-028	801-18	18"	Butterfly Damper w/Ring	169.00
B	L70-401	802-06	6"	Butterfly Damper	22.99
B	L70-402	802-08	8"	Butterfly Damper	24.49

Fig.	Order #	Mfg. #	Size	Description	Each
B	L70-403	802-10	10"	Butterfly Damper	31.49
B	L70-404	802-12	12"	Butterfly Damper	37.99
B	L72-886 ◀	802-14	14"	Butterfly Damper	55.00
C	L70-405	803-06	6"	Duct Ring	10.99
C	L70-406	803-08	8"	Duct Ring	15.99
C	L70-407	803-10	10"	Duct Ring	20.49
C	L70-615	803-14	14"	Duct Ring	37.99
C	L70-616	803-18	18"	Duct Ring	79.00

RECTORSEAL A CSW Industrials Company
TRUaire

600 Evaporative Cooler Diffusers

- Steel
- 4-way air diffusion
- Multi-Shutters dampers
- White



Order #	Description	Size (W x H)	Color	Each
L70-385	600	14" x 14"	White	125.00
L70-386	600	16" x 16"	White	145.00
L70-387	600	18" x 18"	White	159.00
L70-388	600	20" x 20"	White	195.00
L70-389	600	22" x 22"	White	229.00

Order #	Description	Size (W x H)	Color	Each
L70-390	600	24" x 24"	White	289.00
L70-391	600	26" x 26"	White	445.00
L70-392	600	30" x 30"	White	489.00
L70-393	600	32" x 32"	White	615.00

RECTORSEAL A CSW Industrials Company
TRUaire

700 High Velocity Flush Diffusers

Supply or Exhaust

- Steel



Order #	Description	Size (W x H)	Color	Each
L70-394	700	14" x 14"	White	45.49
L70-395	700	18" x 18"	White	85.00

Order #	Description	Size (W x H)	Color	Each
L70-612	700	20" x 20"	White	89.00

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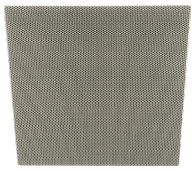
TRUaire

Perforated Fixed Face T-Bar Grilles

NEW

- Steel
- Supply grilles have 4-way directional control blade
- White



Order #	Description	Size (W x H)	Each
L70-499	1010MAR Return — Molded R6 Fiberglass Back	24" x 24"	95.00
L70-500	1010MAS Supply — Molded R6 Fiberglass Back	24" x 24"	95.00
L70-502	1120DBR Return — 1" Ductboard Back	24" x 24"	109.00
L70-503	1120DBS Supply — 1" Ductboard Back	24" x 24"	119.00
L72-887 ◀	820 - Extended Collar Ring for 1010 models	6"	23.49

Order #	Description	Size (W x H)	Each
L72-888 ◀	820 - Extended Collar Ring for 1010 models	8"	23.49
L72-889 ◀	820 - Extended Collar Ring for 1010 models	9"	23.49
L72-890 ◀	820 - Extended Collar Ring for 1010 models	10"	23.49
L72-891 ◀	820 - Extended Collar Ring for 1010 models	12"	23.49

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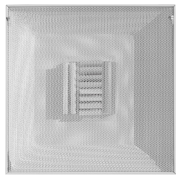
Perforated Hinged Face T-Bar Grilles

- Steel
- Supply grilles are adjustable curved blade
- White



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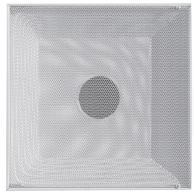


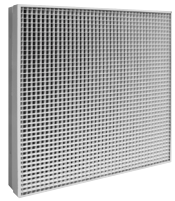
B

Fig.	Order #	Description	Size (W x H)	Each
A	**L70-507**	1400CB Supply 6"	24" x 24"	**139.00**
A	**L70-508**	1400CB Supply 8"	24" x 24"	**139.00**
A	**L70-509**	1400CB Supply 10"	24" x 24"	**145.00**
A	**L70-510**	1400CB Supply 12"	24" x 24"	**145.00**
A	**L70-511**	1400CB Supply 14"	24" x 24"	**145.00**
A	**L70-512**	1400CB Supply 16"	24" x 24"	**149.00**
B	**L70-513**	1444RG Return 6"	24" x 24"	**109.00**

Fig.	Order #	Description	Size (W x H)	Each
B	**L70-514**	1444RG Return 8"	24" x 24"	**109.00**
B	**L70-515**	1444RG Return 10"	24" x 24"	**109.00**
B	**L70-516**	1444RG Return 12"	24" x 24"	**115.00**
B	**L70-517**	1444RG Return 14"	24" x 24"	**115.00**
B	**L70-518**	1444RG Return 16"	24" x 24"	**115.00**
B	**L70-519**	1444RG Return 18"	24" x 24"	**115.00**
B	**L70-520**	1444RG Return 20"	24" x 24"	**119.00**

Egg Crate Perforated T-Bar Return Grilles

- White



Order #	Mfg. #	Description	Size (W x H)	Insulated	Each
L72-064	1130DBR2	Acrylic	24" x 24"	1" Ductboard Back	**145.00**
L70-505	1140R-1	Aluminum	12" x 24"	Uninsulated	**129.00**
L70-506	1140R-2	Aluminum	24" x 24"	Uninsulated	**175.00**

Order #	Mfg. #	Description	Size (W x H)	Insulated	Each
L70-504	1140DBR-2	Aluminum	24" x 24"	1" Ductboard Back	**235.00**
L70-620	1140DBR-4	Aluminum	24" x 48"	1" Ductboard Back	**455.00**

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Step Down T-Bar Cone Diffusers

NEW

- Steel
- Seismic support tabs
- ADC compliant collar
- White



A



B



C

Fig.	Order #	Mfg. #	Description	Collar Size	Each
A	**L72-870** ◀	2000PD08	Single Plaque	8"	**145.00**
A	**L72-871** ◀	2000PD08IN	Single Plaque R6 Back	8"	**185.00**
A	**L72-095**	2000PD10IN	Single Plaque R6 Back	10"	**185.00**
A	**L72-872** ◀	2000PD12	Single Plaque	12"	**145.00**
A	**L72-873** ◀	2000PD12IN	Single Plaque R6 Back	12"	**185.00**
B	**L70-522**	2003CD06	2-Cone	6"	**115.00**
B	**L70-523**	2003CD08	2-Cone	8"	**115.00**
B	**L70-524**	2003CD10	2-Cone	10"	**115.00**
B	**L70-525**	2003CD12	2-Cone	12"	**115.00**
B	**L70-526**	2003CD14	2-Cone	14"	**115.00**
B	**L72-096**	2003CD08IN	2-Cone R6 Back	8"	**175.00**
B	**L72-097**	2003CD10IN	2-Cone R6 Back	10"	**175.00**
B	**L72-098**	2003CD12IN	2-Cone R6 Back	12"	**175.00**
B	**L72-895** ◀	A2003CD08	2-Cone	8"	**169.00**
B	**L72-896** ◀	A2003CD10	2-Cone	10"	**169.00**
C	**L70-527**	2004CD06	3-Cone	6"	**115.00**
C	**L70-528**	2004CD08	3-Cone	8"	**115.00**
C	**L70-529**	2004CD10	3-Cone	10"	**115.00**
C	**L70-530**	2004CD12	3-Cone	12"	**115.00**
C	**L70-531**	2004CD14	3-Cone	14"	**115.00**
C	**L72-099**	2004CD06BD	3-Cone With Butterfly Damper	6"	**179.00**
C	**L72-100**	2004CD06IN	3-Cone R6 Back	6"	**175.00**
C	**L72-108**	2004CDR6	3-Cone R6 Back With No Collar	N/A	**149.00**
C	**L72-101**	2004CD06INBD	3-Cone R6 Back With Butterfly Damper	6"	**229.00**
C	**L72-102**	2004CD08BD	3-Cone With Butterfly Damper	8"	**185.00**
C	**L72-103**	2004CD08IN	3-Cone R6 Back	8"	**175.00**
C	**L72-104**	2004CD08INBD	3-Cone R6 Back With Butterfly Damper	8"	**235.00**
C	**L72-105**	2004CD10IN	3-Cone R6 Back	10"	**175.00**
C	**L72-106**	2004CD10INBD	3-Cone R6 Back With Butterfly Damper	10"	**235.00**
C	**L71-895**	2004CD12IN	3-Cone R6 Back	12"	**145.00**
C	**L72-107**	2004CD12INBD	3-Cone R6 Back With Butterfly Damper	12"	**245.00**
C	**L71-896**	2004CD14IN	3-Cone R6 Back	14"	**175.00**

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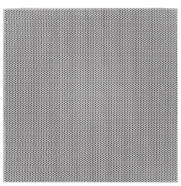
1900 Series T-Bar Egg Create Grille

NEW

- Steel
- White



Order #	Mfg. #	Description	Size (W x H)	Each
L70-521	1920RG-2	Perforated Panel	24" x 24"	**55.00**
L72-893 ◀	A1970RG22X10T	Aluminum Egg Crate - 22" x 10" Core	24" x 24"	**95.00**
L72-894 ◀	A1970RGSQ22	Aluminum Egg Crate - 22" Core	24" x 24"	**169.00**



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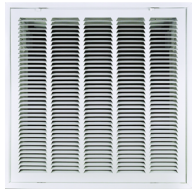
4000 Series T-Bar Return Filter Grilles

NEW

- Removable hinged face
- SmoothGlide finger latches
- 24" x 24"
- White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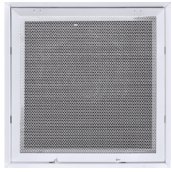
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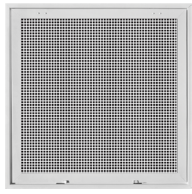

D

Fig.	Order #	Mfg. #	Description	Filter Size	Insulated	Each
A	**L72-162**	4060FG2DB	Stamped Face 1/3" Spaced	1, 2 or 4"	1" Ductboard	**185.00**
A	**L72-885** ◀	4061FG2	Stamped Faced Louver	1"	Uninsulated	**129.00**
A	**L72-144**	4010FG-2DB	Stamped Face 1/2" Spaced	1, 2 or 4"	1" Ductboard	**185.00**
A	**L72-145**	4011FG-2MLD	Stamped Face 1/2" Spaced	1"	Molded R6 Back	**159.00**
B	**L70-532**	4020FG-2DB	Fixed Bar	1, 2 or 4"	1" Ductboard	**269.00**
B	**L72-879** ◀	4021FG2	Fixed Bar	1"	Uninsulated	**219.00**
C	**L70-533**	4030FG2	Perforated Face	1, 2 or 4"	Uninsulated	**145.00**
C	**L70-534**	4030FG-2DB	Perforated Face	1, 2 or 4"	1" Ductboard	**185.00**
D	**L72-883** ◀	4051FG2	Aluminum Egg Crate	1"	Uninsulated	**249.00**
D	**L72-884** ◀	4051FG2MLD	Aluminum Egg Crate	1"	Molded R6 Back	**269.00**

A1210 Aluminum Fixed Bar Return Panel

NEW

- Fixed bar 3/4" spacing
- 15° blade pitch
- White



Order #	Mfg. #	Description	Size (W x H)	Each
L72-892 ◀	A1210RG	A1210RG	24" x 24"	**185.00**

Linear Slot Diffusers

- Extruded aluminum construction
- Wall or ceiling mount
- Supply
- White



Order #	Mfg. #	Size	Description	Each
L60-733	LD36C2	36"	2-Slot With 1" Wide Slots	**335.00**
L60-734	LD48B3	48"	3-Slot With 3/4" Wide Slots	**635.00**
L60-735	LD48C2	48"	2-Slot With 1" Wide Slots	**399.00**
L60-736	LD60C2	60"	2-Slot With 1" Wide Slots	**475.00**

Solid Face Small Single Access Panels

- Designed for installations in drywall, plaster, masonry, tile or any flush surface
- Oversized to completely conceal
- the listed wall and/or ceiling opening providing a clean finish look
- Steel construction
- White



Order #	Mfg. #	Description	Size	Each
R88-172	67010X10	Screw Mount	10" x 10"	**26.49**
R88-173	67012X12	Screw Mount	12" x 12"	**32.99**
R88-174	67014X14	Screw Mount	14" x 14"	**38.99**
R88-175	67016X16	Screw Mount	16" x 16"	**45.99**
R88-176	ACD69006X06	Hinged Face	6" x 6"	**31.99**
R88-177	ACD69012X12	Hinged Face	12" x 12"	**75.00**
R88-178	ACD69014X14	Hinged Face	14" x 14"	**85.00**

Universal Mount Aluminum Spiral Duct Grille

NEW



- SU1 is single deflection with individually adjustable vertical blades
- SU2 is double deflection with individually adjustable blades with vertical front blades
- 3/4" blade spacing
- Open cell foam gasket for an air tight seal
- Aluminum finish

Order #	Description	Size (W x H)	Each
L72-975	SU1A	12" x 6"	**215.00**
L72-976	SU1A	14" x 6"	**225.00**
L72-978	SU2A	16" x 6"	**409.00**
L72-977	SU2A	24" x 6"	**329.00**

Ceiling Sectional Access Panel



- For apartment, condominiums and office building where easy access to mechanical equipment located above a ceiling is required
- Doors are split into three sections, allowing the center section to be opened without opening the side sections
- Steel construction
- White

Order #	Mfg. #	Description	Size	Each
R94-816	ACD2446S	Solid	24" x 46"	**269.00**

Access Wall Door



- Designed to allow access to HVAC equipment located behind walls
- Panel secures to the frame by tabs on the bottom edge and two quarter-turn fasteners in the upper corners
- The access wall door installs flush on to the drywall which has been applied directly in front of the HVAC equipment
- Steel construction
- White

Order #	Mfg. #	Description	Size	Each
R94-817	AWD4324L	Louvered	43" x 24"	**185.00**

FTD Series Fixed 4 Cone High Volume T-Bar Diffusers

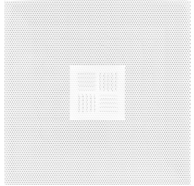


- Fixed face 4 cone steel T-Bar diffuser
- Designed for high volume air delivery
- Delivers supply air in a 360° air pattern
- 2" ADC compliant round collar with bead for ease of installation
- Rust resistant pre-coat with durable powder finish
- FTD-FBP models have R6.0 fiberglass back plenum
- Soft White

Order #	Mfg. #	Collar Size	Each
L72-647	FTD	6"	**149.00**
L72-648	FTD	8"	**149.00**
L72-649	FTD	10"	**149.00**
L72-650	FTD	12"	**149.00**
L72-651	FTD	14"	**149.00**

Order #	Mfg. #	Collar Size	Each
L72-791	FTD-FBP	6"	**249.00**
L72-792	FTD-FBP	8"	**249.00**
L72-793	FTD-FBP	10"	**249.00**
L72-794	FTD-FBP	12"	**249.00**
L72-795	FTD-FBP	14"	**249.00**

110 Series Perforated Fiberglass Back T-Bar Diffusers



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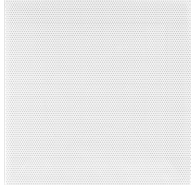

B

- Perforated face with 4-way fixed air pattern controller
- 3/16” holes on 1/4” staggered centers
- Preformed, contour molded fiberglass back with a foil barrier backing, accepts 6”–16” collar (collar by others)
- Rust resistant pre-coat with durable powder finish
- Soft White
- 111 return comes without deflector grid

Fig.	Order #	Mfg. #	Description	Each
A	**L72-248**	110	Supply	**139.00**

Fig.	Order #	Mfg. #	Description	Each
B	**L72-249**	111	Return	**115.00**

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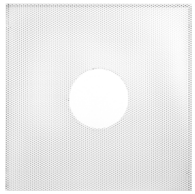
105P Series Fixed Perforated T-Bar Return Grilles

- Fixed perforated face with 3/16" holes on 1/4" staggered centers
- 2" ADC compliant round collar with bead for ease of installation
- Rust resistant pre-coat with durable powder finish
- Soft White



Order #	Mfg. #	Collar Size	Each
L72-239	105P-6	6"	**185.00**
L72-240	105P-8	8"	**185.00**
L72-241	105P-10	10"	**185.00**
L72-242	105P-12	12"	**185.00**
L72-771	105P-14	14"	**185.00**

105TFG Series Stamped Face T-Bar Filter Grilles

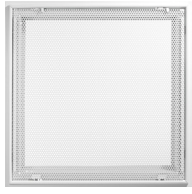
- Stamped dual angular louvers with 1/2" spacing for strength and maximum free area
- Hinged removable face set in an outer T-Bar filter frame
- Hand operated lever for easy filter access
- Square collar designed for 20" × 20" duct
- Holds up to a 2" filter (not included)
- Rust resistant pre-coat with durable powder finish
- Soft White



Order #	Mfg. #	Filter Size	Insulated	Each
L72-772	105TFG	1"	—	**199.00**
L72-247	105TFG	2"	—	**229.00**
L72-252	106TFG	1"	R6.0	**249.00**

105PFG Series Perforated Face T-Bar Filter Grilles

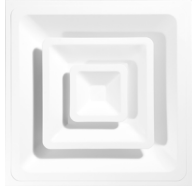
- Perforated hinged removable face
- 3/16" holes on 1/4" staggered centers
- Face set in an outer T-Bar filter grille frame
- Hand operated lever for easy filter access
- Square collar designed for 20" × 20" duct
- Holds up to a 2" filter (not included)
- Rust resistant pre-coat with durable powder finish
- Soft White



Order #	Mfg. #	Description	Filter Size	Insulated	Each
L72-243	105PFG	No Collar	2"	—	**329.00**
L72-244	105PFG	10" Collar	2"	—	**395.00**
L72-245	105PFG	12" Collar	2"	—	**395.00**
L72-246	105PFG	14" Collar	2"	—	**395.00**
L72-773	106PFG	No Collar	1"	R6.0	**225.00**

HVD & HVL Series Louvered T-Bar Diffusers

- Steel diffuser with hinged core for easy duct access
- Designed for high volume air delivery
- Delivers supply air in a 360° air pattern
- 2" ADC compliant round collar with bead for ease of installation
- Rust resistant pre-coat with durable powder finish
- Soft White
- AA-HVL model is aluminum with fixed face



A



B

Fig.	Order #	Mfg. #	Description	Collar Size	Each
A	**L72-663**	HVL	3-Cone	6"	**205.00**
A	**L72-664**	HVL	3-Cone	8"	**205.00**
A	**L72-665**	HVL	3-Cone	10"	**205.00**
A	**L72-666**	HVL	3-Cone	12"	**205.00**
A	**L72-667**	HVL	3-Cone	14"	**205.00**
A	**L72-668**	HVL	3-Cone	16"	**205.00**
A	**L72-787**	AA-HVL	3-Cone	8"	**395.00**
B	**L72-657**	HVD	4-Cone	6"	**215.00**
B	**L72-658**	HVD	4-Cone	8"	**215.00**
B	**L72-659**	HVD	4-Cone	10"	**215.00**
B	**L72-660**	HVD	4-Cone	12"	**215.00**
B	**L72-661**	HVD	4-Cone	14"	**215.00**
B	**L72-662**	HVD	4-Cone	16"	**215.00**

SHOEMAKER

935T Series Fixed Blade T-Bar Return Grilles



- Fixed 45° steel blade T-Bar lay-in return air grille
- Extruded aluminum frame with signature line marks
- Square collar designed for 22" × 22" duct
- Rust resistant pre-coat with durable powder finish
- Soft White

Order #	Mfg. #	Size (W x H)	Each
L72-554	935T-1X2	12" x 24"	**189.00**

Order #	Mfg. #	Size (W x H)	Each
L72-555	935T-2x2	24" x 24"	**195.00**

SHOEMAKER

935TFG Series Fixed Blade T-Bar Return Filter Grilles



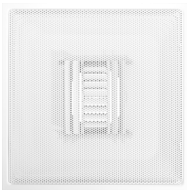
- Fixed 45° steel blade T-Bar lay-in return air grille
- Hinged removable extruded aluminum face frame with signature line marks
- Face set in an outer T-Bar filter grille frame
- Hand operated lever for easy filter access
- Square collar designed for 20" × 20" duct
- Holds up to a 2" filter (not included)
- Rust resistant pre-coat with durable powder finish
- Soft White
- **L72-785** has an R6.0 fiberglass back

Order #	Mfg. #	Size (W x H)	Filter Size	Each
L72-786	935TFG1-2X2	24" x 24"	1"	**295.00**
L72-556	935TFG2-2X2	24" x 24"	2"	**359.00**

Order #	Mfg. #	Size (W x H)	Filter Size	Each
L72-785	935F-TFG1-2X2	24" x 24"	1"	**349.00**

SHOEMAKER

825 Series Perforated T-Bar Diffusers



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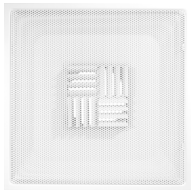

B

- Nylon bushings on adjustable blades prevent metal on metal rattle (825CB)
- Hinged perforated face with spring push release for easy access
- 3/16" holes on 1/4" staggered centers
- 2" ADC compliant round collar with bead for ease of installation
- Rust resistant pre-coat with durable powder finish
- Soft White

Fig.	Order #	Mfg. #	Description	Collar Size	Each
A	**L72-334**	825CB	Adjustable Curved Blades	6"	**185.00**
A	**L72-335**	825CB	Adjustable Curved Blades	8"	**185.00**
A	**L72-336**	825CB	Adjustable Curved Blades	9"	**195.00**
A	**L72-337**	825CB	Adjustable Curved Blades	10"	**185.00**

Fig.	Order #	Mfg. #	Description	Collar Size	Each
A	**L72-338**	825CB	Adjustable Curved Blades	12"	**185.00**
A	**L72-339**	825CB	Adjustable Curved Blades	16"	**209.00**
B	**L72-340**	825MA	Moveable Modular Core	6"	**215.00**
B	**L72-341**	825MA	Moveable Modular Core	8"	**215.00**

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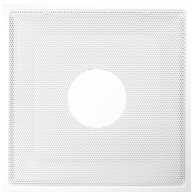
830 Series Hinged Perforated T-Bar Returns



- 3/16" holes on 1/4" staggered centers
- Hinged perforated face with spring push release for easy access to duct
- 2" ADC compliant round collar with bead for ease of installation
- Soft White

Order #	Mfg. #	Collar Size	Each
L72-342	830-6	6"	**159.00**
L72-343	830-8	8"	**159.00**
L72-344	830-10	10"	**159.00**

Order #	Mfg. #	Collar Size	Each
L72-345	830-12	12"	**159.00**
L72-346	830-14	14"	**159.00**
L72-347	830-16	16"	**185.00**

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700MA Series Modular Core T-Bar Diffusers

- Adjustable modular cores with fixed curved blade
- Maintains horizontal airflow pattern
- 2” ADC compliant round collar with bead for ease of installation
- Standard collar diameter is the same as the diffuser size
- Rust resistant pre-coat with durable powder finish
- Soft White



Order #	Description	Collar Size	Size	Each
L72-324	No Damper	8" x 8"	8" x 8"	**255.00**
L72-326	No Damper	10" x 10"	10" x 10"	**269.00**
L72-328	No Damper	12" x 12"	12" x 12"	**285.00**
L72-331	No Damper	14" x 14"	14" x 14"	**319.00**
L72-323	No Damper	6"	6" x 6"	**275.00**
L72-325	No Damper	8"	8" x 8"	**285.00**
L72-327	No Damper	10"	10" x 10"	**295.00**
L72-329	No Damper	10"	12" x 12"	**319.00**
L72-330	No Damper	12"	12" x 12"	**319.00**
L72-332	No Damper	12"	14" x 14"	**375.00**
L72-333	No Damper	14"	14" x 14"	**375.00**
L72-310	Opposed Blade Damper	6" x 6"	6" x 6"	**289.00**

Order #	Description	Collar Size	Size	Each
L72-312	Opposed Blade Damper	8" x 8"	8" x 8"	**309.00**
L72-314	Opposed Blade Damper	10" x 10"	10" x 10"	**335.00**
L72-316	Opposed Blade Damper	12" x 12"	12" x 12"	**355.00**
L72-318	Opposed Blade Damper	14" x 14"	14" x 14"	**385.00**
L72-320	Opposed Blade Damper	16" x 16"	16" x 16"	**535.00**
L72-311	Opposed Blade Damper	6"	6" x 6"	**325.00**
L72-313	Opposed Blade Damper	8"	8" x 8"	**345.00**
L72-315	Opposed Blade Damper	10"	10" x 10"	**369.00**
L72-317	Opposed Blade Damper	12"	12" x 12"	**395.00**
L72-319	Opposed Blade Damper	14"	14" x 14"	**429.00**
L72-321	Opposed Blade Damper	16"	16" x 16"	**595.00**
L72-322	Opposed Blade Damper	18"	18" x 18"	**635.00**

780 Series Perforated T-Bar with Adjustable Pattern Controllers

- Perforated face with adjustable pattern controllers
- Spring push release hinge down face
- Airflow can be adjusted to 1, 2, 3 or 4-way air patterns
- 3/16” holes on 1/4” staggered centers
- 2” ADC compliant round collar with bead for ease of installation
- Rust resistant pre-coat with durable powder finish
- Soft White



Order #	Mfg. #	Collar Size	Each
L72-775	780-10	10"	**165.00**

HL Series Architectural Plaque T-Bar Diffusers

- Designed for high volume air delivery
- Delivers supply air in a 360° air pattern
- Hinged and removable core for easy duct access
- 2” ADC compliant round collar with bead for ease of installation
- Rust resistant pre-coat with durable powder finish
- Soft White

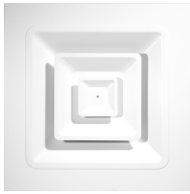


Order #	Mfg. #	Collar Size	Each
L72-652	HL-6	6"	**195.00**
L72-653	HL-8	8"	**195.00**
L72-654	HL-10	10"	**195.00**

Order #	Mfg. #	Collar Size	Each
L72-655	HL-12	12"	**195.00**
L72-656	HL-14	14"	**195.00**

116T Series Flush Step Down T-Bar Diffusers

- 4-way low profile design for tight mechanical areas
- Delivers supply air in a 360° air pattern
- 2" ADC compliant round collar with bead for ease of installation
- Available in 6”–12” collar sizes
- Center hole in face for damper adjustment
- Rust resistant pre-coat with durable powder finish
- Soft White



Order #	Mfg. #	Collar Size	Each
L71-897	116T-6	6"	**215.00**
L71-898	116T-8	8"	**215.00**

Order #	Mfg. #	Collar Size	Each
L71-899	116T-10	10"	**215.00**
L71-900	116T-12	12"	**215.00**

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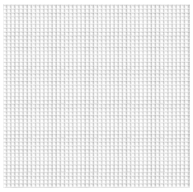
AL Series Aluminum Lattice T-Bar Returns



- 1/2" × 1/2" × 1/2" lattice
- 90% free area
- Soft White

Order #	Mfg. #	Size (W x H)	Each
L72-637	AL-6X24	6" X 24"	**69.00**
L72-634	AL-1X2	12" X 24"	**75.00**

Order #	Mfg. #	Size (W x H)	Each
L72-635	AL-2X2	24" X 24"	**135.00**
L72-636	AL-2X4	24" X 48"	**245.00**

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905/906/935 Series Aluminum Fixed Bar Grilles

- Surface mount
- Fixed airfoil blades at 45°
- Blades spaced at 2/3"
- 905 series blades are parallel to longest dimension, and 906 parallel to shortest
- Countersunk mounting holes for flush appearance with color matching Phillips posi-drive screws
- Rust resistant pre-coat with durable powder finish
- White
- **L72-439** is a T-Bar grille


A


B


C


D

Fig.	Order #	Mfg. #	Size (W x H)	Shutter Type	Each
Aluminum Surface Mounted Frame					
A	**L72-389**	905	6" x 4"	No Damper	**69.00**
A	**L72-390**	905	6" x 6"	No Damper	**75.00**
A	**L72-391**	905	8" x 8"	No Damper	**95.00**
A	**L72-392**	905	10" x 4"	No Damper	**89.00**
A	**L72-393**	905	10" x 6"	No Damper	**95.00**
A	**L72-394**	905	10" x 10"	No Damper	**95.00**
A	**L72-395**	905	12" x 4"	No Damper	**95.00**
A	**L72-396**	905	12" x 6"	No Damper	**99.00**
A	**L72-397**	905	12" x 10"	No Damper	**125.00**
A	**L72-398**	905	12" x 12"	No Damper	**129.00**
A	**L72-399**	905	14" x 6"	No Damper	**105.00**
A	**L72-400**	905	14" x 8"	No Damper	**119.00**
A	**L72-401**	905	14" x 10"	No Damper	**135.00**
A	**L72-402**	905	14" x 14"	No Damper	**155.00**
A	**L72-403**	905	16" x 4"	No Damper	**115.00**
A	**L72-404**	905	16" x 16"	No Damper	**185.00**
A	**L72-405**	905	18" x 18"	No Damper	**209.00**
A	**L72-776**	905	20" x 8"	No Damper	**145.00**
A	**L72-406**	905	20" x 10"	No Damper	**155.00**
A	**L72-407**	905	20" x 12"	No Damper	**175.00**
A	**L72-408**	905	20" x 14"	No Damper	**185.00**
A	**L72-777**	905	20" x 16"	No Damper	**189.00**
A	**L72-409**	905	20" x 20"	No Damper	**279.00**
A	**L72-778**	905	22" x 22"	No Damper	**295.00**
A	**L72-410**	905	24" x 8"	No Damper	**175.00**
A	**L72-411**	905	24" x 10"	No Damper	**185.00**
A	**L72-412**	905	24" x 12"	No Damper	**199.00**
A	**L72-413**	905	24" x 14"	No Damper	**209.00**
A	**L72-779**	905	24" x 16"	No Damper	**219.00**
A	**L72-780**	905	24" x 18"	No Damper	**235.00**
A	**L72-414**	905	24" x 20"	No Damper	**305.00**
A	**L72-415**	905	24" x 24"	No Damper	**419.00**
A	**L72-416**	905	25" x 20"	No Damper	**365.00**
A	**L72-417**	905	30" x 4"	No Damper	**165.00**
A	**L72-418**	905	30" x 6"	No Damper	**175.00**
A	**L72-419**	905	30" x 8"	No Damper	**209.00**
A	**L72-420**	905	30" x 10"	No Damper	**225.00**
A	**L72-421**	905	30" x 12"	No Damper	**239.00**
A	**L72-781**	905	30" x 16"	No Damper	**259.00**
A	**L72-782**	905	30" x 18"	No Damper	**285.00**
A	**L72-422**	905	30" x 20"	No Damper	**315.00**
A	**L72-423**	905	40" x 20"	No Damper	**669.00**
A	**L72-388**	905-0	6" x 6"	Opposed Blade	**105.00**
B	**L72-439**	905T	24" x 24"	No Damper	**329.00**
C	**L72-441**	906	20" x 14"	No Damper	**185.00**
C	**L72-783**	906	20" x 16"	No Damper	**189.00**
C	**L72-784**	906	24" x 12"	No Damper	**199.00**
C	**L72-442**	906	24" x 14"	No Damper	**209.00**
C	**L72-443**	906	24" x 20"	No Damper	**305.00**
Fixed Steel Blades					
D	**L72-498**	935	12" x 10"	No Damper	**95.00**
D	**L72-499**	935	14" x 12"	No Damper	**115.00**
D	**L72-500**	935	16" x 10"	No Damper	**115.00**
D	**L72-501**	935	16" x 12"	No Damper	**129.00**
D	**L72-502**	935	16" x 16"	No Damper	**155.00**
D	**L72-503**	935	20" x 6"	No Damper	**119.00**
D	**L72-504**	935	20" x 8"	No Damper	**125.00**
D	**L72-505**	935	20" x 10"	No Damper	**145.00**
D	**L72-506**	935	20" x 20"	No Damper	**235.00**
D	**L72-507**	935	24" x 6"	No Damper	**139.00**
D	**L72-508**	935	24" x 8"	No Damper	**139.00**
D	**L72-509**	935	24" x 10"	No Damper	**165.00**
D	**L72-510**	935	24" x 12"	No Damper	**149.00**
D	**L72-511**	935	24" x 14"	No Damper	**195.00**
D	**L72-512**	935	24" x 16"	No Damper	**219.00**
D	**L72-513**	935	24" x 18"	No Damper	**255.00**
D	**L72-514**	935	24" x 24"	No Damper	**339.00**
D	**L72-515**	935	30" x 4"	No Damper	**155.00**
D	**L72-516**	935	30" x 6"	No Damper	**175.00**
D	**L72-517**	935	30" x 10"	No Damper	**195.00**
D	**L72-518**	935	30" x 12"	No Damper	**215.00**
D	**L72-519**	935	30" x 14"	No Damper	**249.00**
D	**L72-520**	935	30" x 20"	No Damper	**349.00**
D	**L72-521**	935	32" x 4"	No Damper	**155.00**
D	**L72-522**	935	36" x 18"	No Damper	**409.00**
D	**L72-490**	935-0	10" x 4"	Opposed Blade Damper	**125.00**
D	**L72-491**	935-0	10" x 10"	Opposed Blade Damper	**145.00**
D	**L72-492**	935-0	12" x 10"	Opposed Blade Damper	**155.00**
D	**L72-493**	935-0	12" x 12"	Opposed Blade Damper	**165.00**
D	**L72-494**	935-0	14" x 10"	Opposed Blade Damper	**165.00**
D	**L72-495**	935-0	14" x 14"	Opposed Blade Damper	**189.00**
D	**L72-496**	935-0	16" x 16"	Opposed Blade Damper	**225.00**
D	**L72-497**	935-0	20" x 20"	Opposed Blade Damper	**449.00**

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935 Series Fixed Bar Return Filter Grilles

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- Roll formed steel blades fixed at 45° parallel to the longest dimension
- Hinged removable extruded aluminum face frame with signature line marks
- Hinges parallel to longest side
- Face set in an outer filter grille frame
- Hand operated lever for easy filter access
- 4-way reversible door on square sizes
- 2-way reversible door on rectangular sizes
- Concealed mounting holes



Order #	Mfg. #	Size (W x H)	Filter Size	Each
L72-523	935FG1	6" x 6"	1"	**145.00**
L72-524	935FG1	12" x 12"	1"	**145.00**
L72-525	935FG1	14" x 14"	1"	**159.00**
L72-526	935FG1	20" x 14"	1"	**215.00**
L72-527	935FG1	20" x 20"	1"	**215.00**
L72-528	935FG1	24" x 12"	1"	**185.00**
L72-529	935FG1	24" x 14"	1"	**229.00**
L72-530	935FG1	24" x 24"	1"	**409.00**
L72-531	935FG1	25" x 14"	1"	**255.00**
L72-532	935FG1	25" x 16"	1"	**289.00**
L72-533	935FG1	25" x 20"	1"	**285.00**
L72-534	935FG1	30" x 10"	1"	**229.00**
L72-535	935FG1	30" x 12"	1"	**235.00**
L72-536	935FG1	30" x 14"	1"	**285.00**
L72-537	935FG1	30" x 16"	1"	**319.00**
L72-538	935FG1	30" x 20"	1"	**315.00**

Order #	Mfg. #	Size (W x H)	Filter Size	Each
L72-539	935FG1	32" x 8"	1"	**239.00**
L72-540	935FG1	36" x 10"	1"	**305.00**
L72-541	935FG1	10" x 20"	1"	**595.00**
L72-542	935FG2	14" x 14"	2"	**175.00**
L72-543	935FG2	20" x 10"	2"	**219.00**
L72-544	935FG2	20" x 14"	2"	**265.00**
L72-545	935FG2	20" x 20"	2"	**325.00**
L72-546	935FG2	24" x 12"	2"	**245.00**
L72-547	935FG2	24" x 14"	2"	**255.00**
L72-548	935FG2	24" x 20"	2"	**349.00**
L72-549	935FG2	25" x 14"	2"	**305.00**
L72-550	935FG2	25" x 20"	2"	**379.00**
L72-551	935FG2	30" x 14"	2"	**349.00**
L72-552	935FG2	30" x 20"	2"	**435.00**
L72-553	935FG2	36" x 20"	2"	**595.00**

905FG Series Aluminum Fixed Blade Filter Grilles

SHOEMAKER

- Fixed 45° aluminum airfoil blades parallel to the longest dimension
- Hinged removable extruded aluminum face frame with signature line marks
- Hinges parallel to longest side
- Face set in an outer filter grille frame
- Hand operated lever for easy filter access
- 4-way reversible door on square sizes
- 2-way reversible door on rectangular sizes
- Concealed mounting holes
- Holds up to a 1" filter (not included) with filter retention tabs
- White
- **L72-440** is a steel T-Bar grille and takes a 2" filter



Order #	Mfg. #	Size (W x H)	Each
L72-424	905FG1-10X10	10" x 10"	**185.00**
L72-426	905FG1-12X12	12" x 12"	**195.00**
L72-427	905FG1-14X14	14" x 14"	**215.00**
L72-428	905FG1-16X16	16" x 16"	**279.00**
L72-429	905FG1-18X10	18" x 10"	**235.00**
L72-430	905FG1-18X18	18" x 18"	**309.00**
L72-431	905FG1-20X14	20" x 14"	**285.00**
L72-432	905FG1-20X20	20" x 20"	**289.00**

Order #	Mfg. #	Size (W x H)	Each
L72-433	905FG1-24X12	24" x 12"	**249.00**
L72-434	905FG1-24X16	24" x 16"	**315.00**
L72-435	905FG1-24X24	24" x 24"	**555.00**
L72-436	905FG1-25X20	25" x 20"	**395.00**
L72-437	905FG1-30X10	30" x 10"	**309.00**
L72-438	905FG1-30X20	30" x 20"	**439.00**
L72-440	905TFG2-2X2	24" x 24"	**385.00**

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Adjustable Blade Diffusers

- Nylon bushings on adjustable blades prevent metal on metal rattle
- Countersunk mounting holes for flush appearance with color matching Phillips posi-drive screws
- Rust resistant pre-coat with durable powder finish
- 901, 903, 931, and 933 have blades parallel to longest dimension; 904, 932, and 934 have blades parallel to shortest dimensions
- Soft White


A


B


C


D


E


F

Fig.	Order #	Mfg. #	Size (W x H)	Description	Each
Aluminum Frame Single Deflection					
A	**L72-352**	901	10" x 4"	No Damper	**89.00**
A	**L72-353**	901	12" x 4"	No Damper	**105.00**
A	**L72-354**	901	14" x 4"	No Damper	**95.00**
A	**L72-355**	901	14" x 6"	No Damper	**119.00**
A	**L72-356**	901	20" x 20"	No Damper	**279.00**
A	**L72-348**	901	10" x 4"	Opposed Blade Damper	**109.00**
A	**L72-349**	901	10" x 6"	Opposed Blade Damper	**115.00**
A	**L72-350**	901	10" x 10"	Opposed Blade Damper	**165.00**
A	**L72-351**	901	20" x 10"	Opposed Blade Damper	**245.00**
Aluminum Frame Double Deflection					
B	**L72-368**	903	20" x 4"	No Damper	**245.00**
B	**L72-369**	903	26" x 6"	No Damper	**269.00**
B	**L72-357**	903	6" x 6"	Opposed Blade Damper	**129.00**
B	**L72-358**	903	8" x 6"	Opposed Blade Damper	**145.00**
B	**L72-359**	903	10" x 4"	Opposed Blade Damper	**155.00**
B	**L72-360**	903	10" x 6"	Opposed Blade Damper	**155.00**
B	**L72-361**	903	12" x 6"	Opposed Blade Damper	**175.00**
B	**L72-362**	903	12" x 8"	Opposed Blade Damper	**195.00**
B	**L72-363**	903	14" x 6"	Opposed Blade Damper	**189.00**
B	**L72-364**	903	16" x 6"	Opposed Blade Damper	**205.00**
B	**L72-365**	903	16" x 8"	Opposed Blade Damper	**225.00**
B	**L72-366**	903	18" x 10"	Opposed Blade Damper	**315.00**
B	**L72-367**	903	30" x 8"	Opposed Blade Damper	**345.00**
B	**L72-380**	904	6" x 6"	No Damper	**155.00**
B	**L72-381**	904	8" x 8"	No Damper	**159.00**
B	**L72-383**	904	10" x 6"	No Damper	**169.00**
B	**L72-382**	904	10" x 10"	No Damper	**189.00**
B	**L72-384**	904	14" x 6"	No Damper	**179.00**
B	**L72-385**	904	14" x 8"	No Damper	**209.00**
B	**L72-387**	904	24" x 6"	No Damper	**259.00**
B	**L72-370**	904	6" x 6"	Opposed Blade Damper	**129.00**
B	**L72-371**	904	8" x 8"	Opposed Blade Damper	**155.00**
B	**L72-372**	904	10" x 4"	Opposed Blade Damper	**155.00**
B	**L72-373**	904	10" x 6"	Opposed Blade Damper	**155.00**
B	**L72-374**	904	12" x 12"	Opposed Blade Damper	**245.00**
B	**L72-375**	904	12" x 4"	Opposed Blade Damper	**179.00**
B	**L72-376**	904	14" x 6"	Opposed Blade Damper	**189.00**
B	**L72-377**	904	14" x 8"	Opposed Blade Damper	**199.00**
B	**L72-378**	904	20" x 6"	Opposed Blade Damper	**229.00**
B	**L72-379**	904	20" x 8"	Opposed Blade Damper	**245.00**
Steel Blade Single Deflection					
C	**L72-446**	931	14" x 8"	Opposed Blade Damper	**175.00**
D	**L72-451**	932	12" x 6"	Opposed Blade Damper	**139.00**

Fig.	Order #	Mfg. #	Size (W x H)	Description	Each
D	**L72-452**	932	16" x 8"	Opposed Blade Damper	**175.00**
D	**L72-453**	932	30" x 14"	Opposed Blade Damper	**435.00**
Steel Blade Double Deflection					
E	**L72-464**	933	4" x 4"	No Damper	**115.00**
E	**L72-465**	933	10" x 4"	No Damper	**125.00**
E	**L72-466**	933	10" x 6"	No Damper	**135.00**
E	**L72-467**	933	10" x 8"	No Damper	**145.00**
E	**L72-468**	933	12" x 4"	No Damper	**135.00**
E	**L72-469**	933	12" x 6"	No Damper	**139.00**
E	**L72-470**	933	12" x 12"	No Damper	**185.00**
E	**L72-471**	933	14" x 8"	No Damper	**175.00**
E	**L72-472**	933	14" x 12"	No Damper	**199.00**
E	**L72-473**	933	14" x 14"	No Damper	**245.00**
E	**L72-474**	933	24" x 10"	No Damper	**265.00**
E	**L72-475**	933	24" x 12"	No Damper	**289.00**
E	**L72-476**	933	26" x 6"	No Damper	**265.00**
E	**L72-447**	933	6" x 6"	Opposed Blade Damper	**149.00**
E	**L72-448**	933	8" x 4"	Opposed Blade Damper	**139.00**
E	**L72-449**	933	8" x 6"	Opposed Blade Damper	**155.00**
E	**L72-450**	933	8" x 8"	Opposed Blade Damper	**165.00**
E	**L72-454**	933	10" x 4"	Opposed Blade Damper	**149.00**
E	**L72-455**	933	10" x 6"	Opposed Blade Damper	**165.00**
E	**L72-456**	933	12" x 6"	Opposed Blade Damper	**185.00**
E	**L72-457**	933	14" x 8"	Opposed Blade Damper	**215.00**
E	**L72-458**	933	16" x 6"	Opposed Blade Damper	**215.00**
E	**L72-459**	933	16" x 8"	Opposed Blade Damper	**229.00**
E	**L72-460**	933	18" x 8"	Opposed Blade Damper	**249.00**
E	**L72-461**	933	20" x 6"	Opposed Blade Damper	**235.00**
E	**L72-462**	933	24" x 6"	Opposed Blade Damper	**285.00**
E	**L72-463**	933	30" x 6"	Opposed Blade Damper	**395.00**
F	**L72-485**	934	6" x 6"	No Damper	**119.00**
F	**L72-486**	934	8" x 6"	No Damper	**125.00**
F	**L72-487**	934	12" x 6"	No Damper	**139.00**
F	**L72-488**	934	12" x 12"	No Damper	**179.00**
F	**L72-489**	934	14" x 8"	No Damper	**155.00**
F	**L72-477**	934	6" x 6"	Opposed Blade Damper	**155.00**
F	**L72-478**	934	8" x 8"	Opposed Blade Damper	**165.00**
F	**L72-479**	934	10" x 6"	Opposed Blade Damper	**165.00**
F	**L72-480**	934	10" x 10"	Opposed Blade Damper	**195.00**
F	**L72-481**	934	12" x 6"	Opposed Blade Damper	**185.00**
F	**L72-482**	934	12" x 8"	Opposed Blade Damper	**199.00**
F	**L72-483**	934	14" x 6"	Opposed Blade Damper	**199.00**
F	**L72-484**	934	14" x 8"	Opposed Blade Damper	**215.00**

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950 & 951 Series Adjustable Ceiling And Sidewall Diffusers

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- Adjustable aluminum airfoil blades oriented for 1 or 2 way airflow pattern
- Blades parallel to shortest dimension
- One piece stamped steel frame on most common sizes, alternate frame is extruded aluminum with signature line marks
- Nylon bushings on adjustable blades prevent metal on metal rattle
- Countersunk mounting holes for flush appearance with color matching Phillips posi-drive screws
- Rust resistant pre-coat with durable powder finish
- Soft White



Order #	Mfg. #	Size (W x H)	Shutter Type	Each
Aluminum Airfoil Blades				
L72-582	950	6" x 4"	Multi-Shutter	**85.00**
L72-583	950	6" x 6"	Multi-Shutter	**89.00**
L72-584	950	8" x 4"	Multi-Shutter	**75.00**
L72-585	950	8" x 6"	Multi-Shutter	**79.00**
L72-586	950	8" x 8"	Multi-Shutter	**105.00**
L72-587	950	10" x 4"	Multi-Shutter	**75.00**
L72-588	950	10" x 5"	Multi-Shutter	**75.00**
L72-589	950	10" x 6"	Multi-Shutter	**75.00**
L72-590	950	10" x 8"	Multi-Shutter	**85.00**
L72-591	950	10" x 10"	Multi-Shutter	**125.00**
L72-592	950	12" x 4"	Multi-Shutter	**99.00**
L72-593	950	12" x 5"	Multi-Shutter	**115.00**
L72-594	950	12" x 6"	Multi-Shutter	**79.00**
L72-595	950	12" x 8"	Multi-Shutter	**135.00**
L72-596	950	12" x 10"	Multi-Shutter	**145.00**
L72-597	950	12" x 12"	Multi-Shutter	**165.00**
L72-598	950	14" x 4"	Multi-Shutter	**109.00**
L72-599	950	14" x 6"	Multi-Shutter	**95.00**
L72-600	950	14" x 10"	Multi-Shutter	**99.00**
L72-601	950	14" x 12"	Multi-Shutter	**105.00**
L72-602	950	14" x 14"	Multi-Shutter	**165.00**
L72-571	950-0	8" x 4"	Opposed Blade	**105.00**
L72-572	950-0	8" x 6"	Opposed Blade	**109.00**
L72-573	950-0	10" x 6"	Opposed Blade	**115.00**
L72-574	950-0	10" x 8"	Opposed Blade	**129.00**
L72-575	950-0	12" x 5"	Opposed Blade	**125.00**
L72-576	950-0	12" x 6"	Opposed Blade	**115.00**
L72-577	950-0	12" x 8"	Opposed Blade	**135.00**
L72-578	950-0	12" x 12"	Opposed Blade	**159.00**
L72-579	950-0	14" x 6"	Opposed Blade	**119.00**
L72-580	950-0	16" x 8"	Opposed Blade	**195.00**
L72-581	950-0	18" x 8"	Opposed Blade	**199.00**

Order #	Mfg. #	Size (W x H)	Shutter Type	Each
Steel Roll Formed Blades				
L72-610	951	6" x 6"	Multi-Shutter	**85.00**
L72-611	951	8" x 4"	Multi-Shutter	**79.00**
L72-612	951	8" x 6"	Multi-Shutter	**85.00**
L72-613	951	8" x 8"	Multi-Shutter	**99.00**
L72-614	951	10" x 4"	Multi-Shutter	**85.00**
L72-615	951	10" x 6"	Multi-Shutter	**95.00**
L72-616	951	10" x 10"	Multi-Shutter	**119.00**
L72-617	951	12" x 4"	Multi-Shutter	**89.00**
L72-618	951	12" x 6"	Multi-Shutter	**99.00**
L72-619	951	12" x 8"	Multi-Shutter	**119.00**
L72-620	951	12" x 10"	Multi-Shutter	**135.00**
L72-621	951	12" x 12"	Multi-Shutter	**145.00**
L72-622	951	14" x 4"	Multi-Shutter	**95.00**
L72-623	951	14" x 6"	Multi-Shutter	**85.00**
L72-624	951	14" x 8"	Multi-Shutter	**85.00**
L72-625	951	14" x 10"	Multi-Shutter	**89.00**
L72-626	951	14" x 14"	Multi-Shutter	**95.00**
L72-627	951	16" x 6"	Multi-Shutter	**85.00**
L72-628	951	16" x 8"	Multi-Shutter	**89.00**
L72-629	951	18" x 6"	Multi-Shutter	**95.00**
L72-630	951	18" x 8"	Multi-Shutter	**95.00**
L72-631	951	20" x 6"	Multi-Shutter	**95.00**
L72-603	951-0	8" x 4"	Opposed Blade	**89.00**
L72-604	951-0	8" x 6"	Opposed Blade	**89.00**
L72-605	951-0	10" x 4"	Opposed Blade	**89.00**
L72-606	951-0	10" x 6"	Opposed Blade	**95.00**
L72-607	951-0	12" x 6"	Opposed Blade	**95.00**
L72-700	TO-951-0	12" x 6"	Tool Operated Opposed Blade	**105.00**
L72-608	951-0	12" x 8"	Opposed Blade	**109.00**
L72-609	951-0	18" x 10"	Opposed Blade	**209.00**

945 Series Adjustable Blade Ceiling And Sidewall Diffusers

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- Adjustable blades oriented for 3 or 4-way air flow pattern
- One piece stamped steel frame on most common sizes, alternate frame is extruded aluminum with signature line marks
- Nylon bushings on adjustable blades prevent metal on metal rattle
- Countersunk mounting holes for flush appearance with color matching Phillips posi-drive screws
- Rust resistant pre-coat with durable powder finish
- Soft White



Order #	Size (W x H)	Description	Each
L72-561	8" x 4"	No Damper	**99.00**
L72-562	8" x 6"	No Damper	**105.00**
L72-563	10" x 4"	No Damper	**105.00**
L72-564	10" x 6"	No Damper	**109.00**
L72-565	10" x 10"	No Damper	**139.00**
L72-566	12" x 6"	No Damper	**105.00**
L72-567	12" x 8"	No Damper	**105.00**

Order #	Size (W x H)	Description	Each
L72-568	14" x 6"	No Damper	**119.00**
L72-569	14" x 8"	No Damper	**125.00**
L72-570	14" x 10"	No Damper	**129.00**
L72-557	8" x 4"	Opposed Blade Damper	**119.00**
L72-558	10" x 10"	Opposed Blade Damper	**165.00**
L72-559	12" x 6"	Opposed Blade Damper	**119.00**
L72-560	14" x 8"	Opposed Blade Damper	**149.00**

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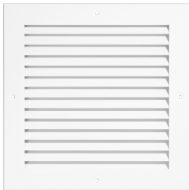

915 Series Fixed Bar Blade Grilles

- Extruded aluminum surface mount frame with signature line marks
- Extruded aluminum fixed bar blades at 45 °
- Blades are parallel to longest dimension
- Designed to minimize vision into air duct
- Center margins are mounted on the backside of the grille for a streamlined continuous look
- Countersunk mounting holes for flush appearance with color matching Phillips posi-drive screws
- Rust resistant pre-coat with durable powder finish
- Soft White
- **L72-078** is a 2" filter grille

Order #	Mfg. #	Size (W x H)	Each
L72-076	915-10X4	10" x 4"	**85.00**
L72-077	915-12X12	12" x 12"	**139.00**

Order #	Mfg. #	Size (W x H)	Each
L72-813	915-14X14	14" x 14"	**185.00**
L72-078	915FG2-14X14	14" x 14"	**335.00**

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RS Series Radius Spiral Pipe Diffusers

- Double deflection with adjustable blades
- Front blades are parallel to shortest dimension
- Back blades are parallel to longest dimension
- Allows for 4-way airflow
- Nylon bushings on adj. blades prevent metal on metal rattle
- One-piece curved frame with gasket fits flush to spiral pipe
- Product sizes available to fit spiral pipe diameter 8" – 48"
- Spiral pipe diameter must be 4" larger than width of diffuser
- Galvanized finish

Order #	Mfg. #	Description	Size (W x H)	Spiral Duct Diam.	Each
L72-796	RS34-12X4G-8	No Damper	12" x 4"	8"	**259.00**
L72-797	RS34-12X4G-10	No Damper	12" x 4"	10"	**259.00**
L72-687	RS34-12X6G-10	No Damper	12" x 6"	10"	**285.00**
L72-688	RS34-12X6G-12	No Damper	12" x 6"	12"	**285.00**
L72-798	RS34-12X6G-14	No Damper	12" x 6"	14"	**285.00**
L72-799	RS34-12X6G-16	No Damper	12" x 6"	16"	**285.00**
L72-800	RS34-12X6G-20	No Damper	12" x 6"	20"	**285.00**
L72-801	RS34-14X4G-8	No Damper	14" x 4"	8"	**269.00**

Order #	Mfg. #	Description	Size (W x H)	Spiral Duct Diam.	Each
L72-802	RS34-14X4G-10	No Damper	14" x 4"	10"	**269.00**
L72-803	RS34-14X6G-12	No Damper	14" x 6"	12"	**325.00**
L72-804	RS34-14X6G-14	No Damper	14" x 6"	14"	**325.00**
L72-805	RS34-14X6G-16	No Damper	14" x 6"	16"	**325.00**
L72-685	RS34-0-14X6G-12	Opposed Blade Damper	14" x 6"	12"	**405.00**
L72-686	RS34-0-14X6G-14	Opposed Blade Damper	14" x 6"	14"	**405.00**

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SD Series Transition Box Spiral Pipe Diffusers

- Nylon bushings on adjustable blades prevent metal on metal rattle
- Curved saddle with gasket provides airtight fit to spiral pipe
- Spiral pipe diameter must be 4" larger than width of diffuser
- SD34 series has front blades parallel to shortest dimension and back blades parallel to longest dimension
- SD52 series blades are parallel to the shortest side
- Galvanized

Order #	Mfg. #	Description	Size (W x H)	Spiral Duct Diam.	Each
Double Deflection; 4-Way Airflow					
L72-730	SD34	No Damper	12" x 6"	12" Pipe Size	**299.00**
L72-731	SD34	No Damper	12" x 6"	14" Pipe Size	**299.00**
L72-695	SD34	Opposed Blade damper	14" x 6"	10" Pipe Size	**409.00**
L72-696	SD34	Opposed Blade damper	14" x 6"	12" Pipe Size	**409.00**
L72-697	SD34	Opposed Blade damper	14" x 6"	14" Pipe Size	**409.00**
Single Deflection: 2-Way Airflow					
L72-736	SD52	No Damper	12" x 4"	8" Pipe Size	**285.00**

Order #	Mfg. #	Description	Size (W x H)	Spiral Duct Diam.	Each
L72-732	SD52	No Damper	12" x 6"	10" Pipe Size	**299.00**
L72-733	SD52	No Damper	12" x 6"	12" Pipe Size	**299.00**
L72-734	SD52	No Damper	12" x 6"	14" Pipe Size	**299.00**
L72-735	SD52	No Damper	12" x 6"	16" Pipe Size	**299.00**
L72-729	SD52	No Damper	14" x 4"	8" Pipe Size	**285.00**
L72-728	SD52	No Damper	14" x 4"	10" Pipe Size	**285.00**

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URS Series Universal Spiral Diffusers

- Galvanized steel construction
- Nylon bushings on adjustable blades prevent metal on metal rattle
- High quality foam gasketing for tight seal with duct
- SC models have half length scoop extrator
- FS models have full length scoop extractor
- A-USR34 models have adjustable airfoil blades



Order #	Mfg. #	Description	Size (W x H)	Each
L72-807	USR34	Double Deflection	10" x 6"	189.00
L72-701	USR34	Double Deflection	12" x 3"	195.00
L72-702	USR34	Double Deflection	12" x 4"	205.00
L72-703	USR34	Double Deflection	12" x 6"	209.00
L72-704	USR34	Double Deflection	14" x 6"	259.00
L72-705	USR34	Double Deflection	16" x 6"	245.00
L72-706	USR34	Double Deflection	20" x 6"	255.00
L72-808	USR34	Double Deflection	24" x 6"	265.00
L72-707	URS34-FS	Double Deflection	10" x 3"	179.00
L72-708	URS34-FS	Double Deflection	12" x 3"	195.00
L72-709	URS34-FS	Double Deflection	12" x 4"	215.00
L72-710	URS34-FS	Double Deflection	12" x 6"	229.00
L72-711	URS34-FS	Double Deflection	14" x 6"	265.00
L72-712	URS34-FS	Double Deflection	16" x 3"	249.00
L72-713	URS34-FS	Double Deflection	16" x 4"	255.00
L72-714	URS34-FS	Double Deflection	16" x 6"	265.00
L72-715	URS34-FS	Double Deflection	16" x 8"	285.00
L72-716	URS34-FS	Double Deflection	18" x 6"	285.00

Order #	Mfg. #	Description	Size (W x H)	Each
L72-717	URS34-FS	Double Deflection	20" x 3"	275.00
L72-718	URS34-FS	Double Deflection	20" x 6"	305.00
L72-719	URS34-FS	Double Deflection	20" x 8"	325.00
L72-720	URS34-FS	Double Deflection	24" x 6"	345.00
L72-721	URS34-FS	Double Deflection	24" x 8"	379.00
L72-638	A-USR34-FS	Double Deflection	12" x 4"	279.00
L72-639	A-USR34-FS	Double Deflection	16" x 6"	315.00
L72-722	USR34-SC	Double Deflection	10" x 6"	219.00
L72-723	USR34-SC	Double Deflection	12" x 3"	189.00
L72-724	USR34-SC	Double Deflection	14" x 6"	255.00
L72-725	USR34-SC	Double Deflection	16" x 8"	269.00
L72-809	USR52	Single Deflection	10" x 6"	179.00
L72-810	USR52	Single Deflection	12" x 6"	195.00
L72-811	USR52	Single Deflection	14" x 6"	245.00
L72-812	USR52	Single Deflection	16" x 6"	229.00
L72-726	USR52-SC	Single Deflection	12" x 4"	215.00
L72-727	USR52-SC	Single Deflection	14" x 6"	265.00

DVD Series Louvered Ceiling Diffusers

- Directional volume diffuser
- Designed to handle high volumes of air with horizontal flow
- Extruded aluminum surface mount frame with signature line marks
- Countersunk mounting holes for flush appearance with color matching Phillips posi-drive screws
- Rust resistant pre-coat with durable powder finish
- Soft White



Order #	Mfg. #	Description	Size	Each
L72-645	DVD-4S	No Damper	10" x 10"	219.00
L72-646	DVD-4S	No Damper	12" x 12"	259.00
L72-642	DVD-4S-0	Opposed Blade Damper	10" x 10"	235.00

Order #	Mfg. #	Description	Size	Each
L72-643	DVD-4S-0	Opposed Blade Damper	12" x 12"	275.00
L72-644	DVD-4S-0	Opposed Blade Damper	14" x 14"	375.00

100 Series Step Down Ceiling Diffuser

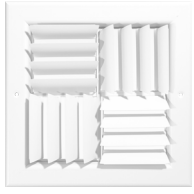
- Step down core designed for 4-way uniform air distribution
- Countersunk mounting holes for flush appearance with color matching Phillips posi-drive screws
- Rust resistant pre-coat with durable powder finish
- Soft White



Order #	Mfg. #	Description	Size	Each
L72-238	100-0-10X10	Opposed Blade Damper	10" x 10"	195.00

MA Series Modular Core Diffusers

- Adjustable modular core with fixed curved blades
- Maintains horizontal airflow pattern
- Extruded aluminum surface mount frame with signature line marks
- Square collar
- Countersunk mounting holes for flush appearance with color matching Philips posi-drive screws
- Rust resistant pre-coat with durable powder finish
- Soft White



Order #	Mfg. #	Description	Size	Each
L72-672	MA-6X6	No Damper	6" x 6"	119.00
L72-673	MA-8X8	No Damper	8" x 8"	149.00
L72-674	MA-10X10	No Damper	10" x 10"	179.00
L72-675	MA-12X12	No Damper	12" x 12"	215.00

Order #	Mfg. #	Description	Size	Each
L72-676	MA-14X14	No Damper	14" x 14"	265.00
L72-669	MA0-6X6	Opposed Blade Damper	6" x 6"	195.00
L72-670	MA0-8X8	Opposed Blade Damper	8" x 8"	225.00
L72-671	MA0-10X10	Opposed Blade Damper	10" x 10"	275.00

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CB Series Adjustable Curved Blade Diffusers



A



B

- Adjustable curved blades
- Nylon bushings on adjustable blades prevent metal on metal rattle
- Countersunk mounting holes with color matching Philips Pozidriv screws
- Rust resistant pre-coat with durable powder finish
- Soft White

Fig.	Order #	Mfg. #	Description	Size	Each
Aluminum Curved Blade					
A	**L72-641**	CB-40A	4-Way Deflection	16" x 16"	**425.00**
Steel Construction					
B	**L72-689**	SCB31-0	3-Way Deflection - Opposed Blade Damper	8" x 8"	**169.00**
B	**L72-690**	SCB41-0	4-Way Deflection - Opposed Blade Damper	12" x 12"	**185.00**

Fig.	Order #	Mfg. #	Description	Size	Each
B	**L72-691**	SCB41	4-Way Deflection Multi-Shutter Damper	6" x 6"	**139.00**
B	**L72-692**	SCB41	4-Way Deflection Multi-Shutter Damper	8" x 8"	**145.00**
B	**L72-693**	SCB41	4-Way Deflection Multi-Shutter Damper	10" x 10"	**149.00**
B	**L72-694**	SCB41	4-Way Deflection Multi-Shutter Damper	12" x 12"	**155.00**

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RD Series Round Diffusers



- Uniform 360° discharge pattern
- 2 position adjustment for heating and cooling seasons
- To adjust diffuser, remove the two center cones as a unit and reposition the six screws
- Retainer cables are provided on sizes 12" and larger to allow the inner cones to hang securely while adjusting the diffuser
- 3/4" round collar
- White

Order #	Mfg. #	Size	Each
L72-680	RD-6	6"	**389.00**
L72-681	RD-8	8"	**409.00**
L72-682	RD-10	10"	**449.00**

Order #	Mfg. #	Size	Each
L72-683	RD-12	12"	**505.00**
L72-684	RD-14	14"	**579.00**

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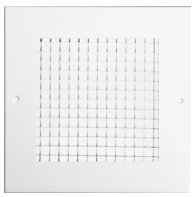
600 Series Aluminum Lattice Return Grilles



- 1/2" × 1/2" × 1/2" aluminum lattice surface mount grille
- Extruded aluminum frame with signature line marks
- Lattice material 90% free area
- Countersunk mounting holes for flush appearance with color matching Phillips posi-drive screws
- Rust resistant pre-coat with durable powder finish
- Soft White

Order #	Mfg. #	Size (W x H)	Each
L72-250	600	6" x 6"	**75.00**
L72-251	600	8" x 8"	**85.00**
L72-253	600	10" x 10"	**109.00**
L72-256	600	12" x 6"	**105.00**
L72-254	600	12" x 12"	**109.00**
L72-257	600	14" x 10"	**145.00**
L72-258	600	14" x 14"	**155.00**
L72-259	600	16" x 16"	**189.00**
L72-260	600	18" x 18"	**199.00**
L72-261	600	20" x 10"	**175.00**
L72-262	600	20" x 12"	**179.00**

Order #	Mfg. #	Size (W x H)	Each
L72-263	600	20" x 14"	**179.00**
L72-264	600	20" x 16"	**235.00**
L72-265	600	20" x 20"	**225.00**
L72-266	600	24" x 12"	**179.00**
L72-267	600	24" x 14"	**225.00**
L72-268	600	24" x 20"	**255.00**
L72-269	600	24" x 24"	**289.00**
L72-270	600	25" x 20"	**415.00**
L72-271	600	30" x 14"	**235.00**
L72-272	600	30" x 20"	**325.00**

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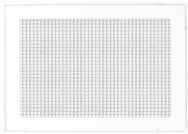
600FG And 620FG Series Lattice Filter Grilles

SHOEMAKER

- Hinged removable extruded aluminum face frame with signature line marks
- Hinges parallel to longest side
- Face set in an outer filter grille frame
- Hand operated lever for easy filter access
- 4-way reversible door on square sizes
- 2-way reversible door on rectangular sizes
- Concealed mounting holes
- Rust resistant pre-coat with durable powder finish
- 600Series has extruded aluminum frame
- **L72-307** is a T-Bar Grille
- Soft White



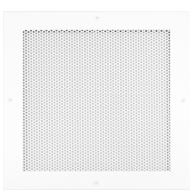
Order #	Mfg. #	Size (W x H)	Filter Size	Each
L72-273	600FG	24" x 14"	1"	**299.00**
L72-274	600FG	30" x 14"	1"	**375.00**
L72-275	600FG	30" x 20"	1"	**519.00**
L72-298	620FG	14" x 14"	2"	**229.00**
L72-299	620FG	20" x 14"	2"	**255.00**
L72-300	620FG	20" x 20"	2"	**415.00**
L72-301	620FG	24" x 14"	2"	**275.00**

Order #	Mfg. #	Size (W x H)	Filter Size	Each
L72-302	620FG	24" x 20"	2"	**429.00**
L72-303	620FG	25" x 20"	2"	**389.00**
L72-304	620FG	30" x 14"	2"	**329.00**
L72-305	620FG	30" x 20"	2"	**455.00**
L72-306	620FG	40" x 20"	2"	**525.00**
L72-307	620TFG	24" x 24"	2"	**335.00**

Perforated Return Air Grilles

SHOEMAKER

- 3/16" holes on 1/4" staggered centers
- Extruded aluminum frame with signature line marks
- Perforated material 58% free area
- Rust resistant pre-coat with durable powder finish
- Soft White



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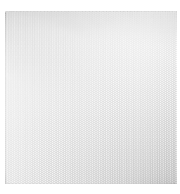

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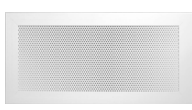

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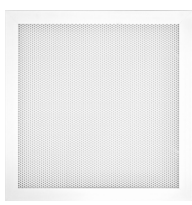


D

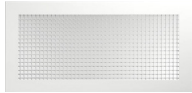
Fig.	Order #	Mfg. #	Size (W x H)	Each
Perforated				
A	**L72-276**	600P-12X12	12" x 12"	**169.00**
Perforated T-Bar No Frame				
B	**L72-677**	PT-1X2	12" x 24"	**65.00**
B	**L72-678**	PT-2X2	24" x 24"	**75.00**
—	**L72-679**	PT-2X4	24" x 48"	**225.00**
Perforated T-Bar With Frame				
C	**L72-277**	600PT-1X2	12" x 24"	**159.00**
D	**L72-281**	600PT-2X2	24" x 24"	**285.00**

Fig.	Order #	Mfg. #	Size (W x H)	Each
D	**L72-286**	600PT-2X4	24" x 48"	**409.00**
C	**L72-278**	600PT-1X2-6	12" x 24"	**305.00**
C	**L72-279**	600PT-1X2-8	12" x 24"	**305.00**
C	**L72-280**	600PT-1X2-10	12" x 24"	**305.00**
C	**L72-282**	600PT-2X2-10	24" x 24"	**365.00**
D	**L72-283**	600PT-2X2-12	24" x 24"	**365.00**
D	**L72-284**	600PT-2X2-14	24" x 24"	**365.00**
D	**L72-285**	600PT-2X2-16	24" x 24"	**365.00**

600T Series Aluminum Lattice Return Air Grille T-Bar with Frames

SHOEMAKER

- 1/2" × 1/2" × 1/2" Aluminum lattice T-Bar lay-in return air grille
- Extruded aluminum frame with signature line marks
- Lattice material 90% free area
- Square collar designed for 22" × 22" duct
- Rust resistant pre-coat with durable powder finish
- Soft White
- 645T models have 45° aluminum lattice
- **L72-774** has R6.0 fiberglass back plenum



Order #	Mfg. #	Collar Size	Size (W x H)	Each
L72-296	600T	No Collar	6" x 24"	**125.00**
L72-287	600T	No Collar	12" x 24"	**125.00**
L72-288	600T	No Collar	24" x 24"	**209.00**
L72-774	600F-T	No Collar	24" x 24"	**335.00**
L72-295	600T	No Collar	24" x 48"	**665.00**
L72-289	600T	6"	24" x 24"	**365.00**
L72-290	600T	8"	24" x 24"	**365.00**

Order #	Mfg. #	Collar Size	Size (W x H)	Each
L72-291	600T	10"	24" x 24"	**365.00**
L72-292	600T	12"	24" x 24"	**365.00**
L72-293	600T	14"	24" x 24"	**365.00**
L72-294	600T	16"	24" x 24"	**365.00**
L72-308	645T	No Collar	12" x 24"	**165.00**
L72-309	645T	No Collar	24" x 24"	**245.00**

SHOEMAKER

AFP Series Aluminum Floor Perimeter Grilles



- Extruded aluminum frame with signature line marks
- Designed for floor application
- Reinforced with pressure lock honeycomb construction to withstand heavy foot traffic
- Recessed screwdriver operated Opposed Blade Damper
- Positive balance set screw to lock position of Opposed Blade Damper
- 1/2" spacing with 0°
- 1/8" thick core blades run parallel to longest dimension
- Frame width 1 11/32"
- Anodized Finish

Order #	Mfg. #	Size (D x W)	Each
L72-632	AFP-4X10	4" x 10"	**139.00**

Order #	Mfg. #	Size (D x W)	Each
L72-633	AFP-4X12	4" x 12"	**149.00**

SHOEMAKER

BD Series Bowtie Dampers



- Field installable bowtie damper for T-Bar diffusers
- Mill finish steel

Order #	Mfg. #	Size	Each
L72-640	BD-6	6"	**45.49**
L72-788	BD-8	8"	**55.00**

Order #	Mfg. #	Size	Each
L72-789	BD-10	10"	**59.00**
L72-790	BD-12	12"	**69.00**

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OBD Series Opposed Blade Dampers



- Square and Rectagular
- Field installable screwdriver operated
- Nylon bushings on adjustable blades prevent metal on metal rattle
- Fully adjustable and provides complete shut off in closed position
- Effectively controls airflow without disrupting air patterns
- Fractional and exact sizes available
- Mill finish
- Round Radial
- Gang-operated volume control damper
- Steel construction
- Galvanized finish

Order #	Mfg. #	Size	Each
L72-205	0BD-8X6	8" x 6"	**48.99**
L72-206	0BD-8X8	8" x 8"	**55.00**
L72-209	0BD-10X4	10" x 4"	**55.00**
L72-210	0BD-10X6	10" x 6"	**55.00**
L72-211	0BD-10X8	10" x 8"	**59.00**
L72-207	0BD-10X10	10" x 10"	**65.00**
L72-208	0BD-10X12	10" x 12"	**69.00**
L72-214	0BD-12X4	12" x 4"	**55.00**
L72-215	0BD-12X6	12" x 6"	**59.00**
L72-212	0BD-12X10	12" x 10"	**69.00**
L72-213	0BD-12X12	12" x 12"	**75.00**
L72-216	0BD-14X4	14" x 4"	**59.00**

Order #	Mfg. #	Size	Each
L72-217	0BD-14X6	14" x 6"	**59.00**
L72-218	0BD-14X8	14" x 8"	**65.00**
L72-220	0BD-16X8	16" x 8"	**65.00**
L72-219	0BD-16X16	16" x 16"	**85.00**
L72-221	0BD-18X4	18" x 4"	**65.00**
L72-225	0BD-20X4	20" x 4"	**75.00**
L72-226	0BD-20X6	20" x 6"	**85.00**
L72-222	0BD-20X10	20" x 10"	**79.00**
L72-223	0BD-20X18	20" x 18"	**99.00**
L72-224	0BD-20X20	20" x 20"	**119.00**
L72-227	0BD-24X10	24" x 10"	**95.00**
L72-228	0BD-24X12	24" x 12"	**105.00**

SHOEMAKER

TVB T-Bar Thermal Vapor Blanket



- Formable blanket to mold to T-Bar products
- 1" thick 24-7/8" x 24-7/8" foil faced with collar cutout template
- R4.0 insulation value

Order #	Mfg. #	Each
L72-806	TVB	**69.00**

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AD Series Access Doors

- Hinged removable door with hinges parallel to longest dimension
- Hand operated lever for easy access
- 4-way reversible door on square sizes
- 2-way reversible door on rectangular sizes
- 1-3/8" deep steel roll formed frame
- Concealed mounting holes
- Soft white powder finish



Order #	Mfg. #	Size	Each
R88-181	AD-6X6	6" x 6"	**69.00**
R88-182	AD-12X12	12" x 12"	**75.00**
R88-183	AD-14X10	14" x 10"	**85.00**
R88-184	AD-16X16	16" x16"	**119.00**
R88-185	AD-18X18	18" x 18"	**135.00**

Order #	Mfg. #	Size	Each
R88-186	AD-20X20	20" x 20"	**259.00**
R88-187	AD-24X24	24" x 24"	**305.00**
R88-188	AD-30X16	30"x 16"	**395.00**
R88-189	AD-30X20	30" x 20"	**439.00**
R88-190	AD-40X20	40" x 20"	**519.00**

SMBT T-Bar To Surface Mount Converter

- Changes T-Bar diffusers to surface mount
- Soft White



Order #	Mfg. #	Size (W x H)	Each
L72-698	SMTB-1X1	12"x 12"	**79.00**

Order #	Mfg. #	Size (W x H)	Each
L72-699	SMTB-2X2	24" X 24"	**95.00**

Round Pipe

- Snap lock

Note: Many additional sizes available at www.johnstonesupply.com



Order #	Mfg. #	Gauge	Length	Duct Size
M81-292	SL24426	26	24"	4"
M90-169	SL60426	26	60"	4"
M81-295	SL24526	26	24"	5"
M90-171	SL60526	26	60"	5"
M81-298	SL24626	26	24"	6"
M90-174	SL60626	26	60"	6"
M81-301	SL24726	26	24"	7"
M90-176	SL60726	26	60"	7"
M81-304	SL24826	26	24"	8"
M90-178	SL60826	26	60"	8"
M81-307	SL24926	26	24"	9"
M90-180	SL60926	26	60"	9"
M81-278	SL241026	26	24"	10"
M90-080	SL601026	26	60"	10"
M81-281	SL241226	26	24"	12"
M90-083	SL601226	26	60"	12"
M81-284	SL241426	26	24"	14"
M90-093	SL601426	26	60"	14"
M81-287	SL241626	26	24"	16"
M81-289	SL241826	26	24"	18"
M90-168	SL60330	30	60"	3"

Order #	Mfg. #	Gauge	Length	Duct Size
M81-293	SL24430	30	24"	4"
M90-170	SL60430	30	60"	4"
M90-075	SL120430	30	120"	4"
M81-296	SL24530	30	24"	5"
M90-172	SL60530	30	60"	5"
M90-076	SL120530	30	120"	5"
M81-299	SL24630	30	24"	6"
M90-175	SL60630	30	60"	6"
M90-077	SL120630	30	120"	6"
M81-302	SL24730	30	24"	7"
M90-177	SL60730	30	60"	7"
M90-078	SL120730	30	120"	7"
M81-305	SL24830	30	24"	8"
M90-179	SL60830	30	60"	8"
M81-308	SL24930	30	24"	9"
M90-181	SL60930	30	60"	9"
M81-279	SL241030	30	24"	10"
M90-081	SL601030	30	60"	10"
M81-282	SL241230	30	24"	12"
M90-084	SL601230	30	60"	12"

Elbows



- 90°
- Fully adjustable

Note: Many additional sizes available at www.johnstonesupply.com

Order #	Mfg. #	Gauge	Duct Size
M81-104	90426	26	4"
M81-107	90526	26	5"
M81-110	90626	26	6"
M81-113	90726	26	7"
M81-116	90826	26	8"
M81-119	90926	26	9"
M81-122	901026	26	10"
M81-125	901226	26	12"
M81-128	901426	26	14"
M81-130	901626	26	16"
M81-132	901826	26	18"

Order #	Mfg. #	Gauge	Duct Size
M81-134	902026	26	20"
M81-103	90330	30	3"
M81-105	90430	30	4"
M81-108	90530	30	5"
M81-111	90630	30	6"
M81-114	90730	30	7"
M81-117	90830	30	8"
M81-120	90930	30	9"
M81-123	901030	30	10"
M81-126	901230	30	12"

Boots

- Provides transition from round duct to a rectangular register opening
- 30 gauge body with 28 gauge collar

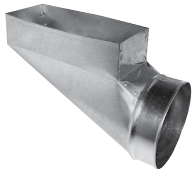
Note: Many additional sizes available at www.johnstonesupply.com



A



B



C

Fig.	Order #	Mfg. #	Description	Duct Size	Register Opening
A	**M80-845**	24R2106	90° Register	6"	2-1/4" x 10"
A	**M80-848**	24R2126	90° Register	6"	2-1/4" x 12"
A	**M80-855**	24R4106	90° Register	6"	4" x 10"
A	**M80-859**	24R4126	90° Register	6"	4" x 12"
A	**M80-860**	24R4127	90° Register	7"	4" x 12"
A	**M80-865**	24R6106	90° Register	6"	6" x 10"
B	**M80-877**	27R2106	Straight Register	6"	2-1/4" x 10"
B	**M80-880**	27R2126	Straight Register	6"	2-1/4" x 12"
B	**M80-888**	27R4107	Straight Register	7"	4" x 10"

Fig.	Order #	Mfg. #	Description	Duct Size	Register Opening
B	**M80-890**	27R4126	Straight Register	6"	4" x 12"
B	**M80-976**	27R4128	Straight Register	8"	4" x 12"
B	**M80-894**	27R6106	Straight Register	6"	6" x 10"
C	**M80-908**	28R2126	Center End Register	6"	2-1/4" x 12"
C	**M80-915**	28R4106	Center End Register	6"	4" x 10"
C	**M80-919**	28R4126	Center End Register	6"	4" x 12"
C	**M80-920**	28R4127	Center End Register	7"	4" x 12"
C	**M80-935**	28RL2126	Left End Register	6"	2-1/4" x 12"
C	**M80-947**	28RR2127	Right End Register	7"	2-1/4" x 12"

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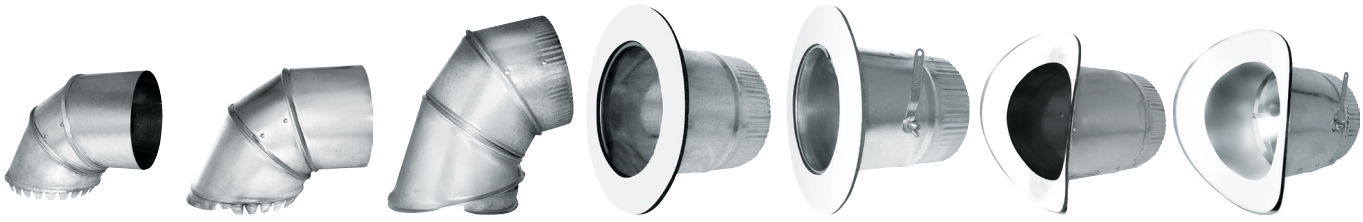
Takeoffs

- Used to transition from a large duct to a smaller round duct
- Airtite takeoffs include 1-1/2" wide and 1/8" thick gasket with high tack adhesive-coated neoprene foam allowing for easy peel and stick installation

Note: Many additional sizes available at www.johnstonesupply.com



A B C D E F G

Fig.	Order #	Mfg. #	Description	Gauge	Size	Duct Size
Sheet Metal						
A	**M81-454**	EP1576	Full Tab Adjustable	30	7"	6"
A	**M81-455**	EP1587	Full Tab Adjustable	30	8"	7"
A	**M81-456**	EP1598	Full Tab Adjustable	30	9"	8"
B	**M81-458**	HT1576	Half Tab Adjustable	30	7"	6"
C	**M81-461**	S56	Pivot	30	7"	6"
Airtite						
D	**M81-441**	ATT6	Straight	28	—	6"
D	**M81-442**	ATT7	Straight	28	—	7"
D	**M81-443**	ATT8	Straight	28	—	8"
D	**M81-438**	ATT10	Straight	28	—	10"
D	**M81-439**	ATT12	Straight	28	—	12"

Fig.	Order #	Mfg. #	Description	Gauge	Size	Duct Size
E	**M81-404**	ATD6	Straight w/Damper	28	—	6"
E	**M81-405**	ATD7	Straight w/Damper	28	—	7"
E	**M81-406**	ATD8	Straight w/Damper	28	—	8"
E	**M81-400**	ATD10	Straight w/Damper	28	—	10"
E	**M81-401**	ATD12	Straight w/Damper	28	—	12"
F	**M81-450**	ATTRP6	Straight Saddle	26	—	6"
F	**M81-451**	ATTRP7	Straight Saddle	26	—	7"
F	**M81-452**	ATTRP8	Straight Saddle	26	—	8"
G	**M81-410**	ATDRP6	Straight Saddle w/Damper	26	—	6"
G	**M81-411**	ATDRP7	Straight Saddle w/Damper	26	—	7"
G	**M81-412**	ATDRP8	Straight Saddle w/Damper	26	—	8"

Collars

- Used to transition from flat plenum or duct run to round pipe or flex duct

Note: Many additional sizes available at www.johnstonesupply.com



A B C D E

Fig.	Order #	Mfg. #	Description	Gauge	Duct Size
Sheet Metal					
A	**M81-004**	974	Start	30	4"
A	**M81-005**	975	Start	30	5"
A	**M81-006**	976	Start	30	6"
A	**M81-007**	977	Start	30	7"
A	**M81-008**	978	Start	30	8"
A	**M81-009**	979	Start	30	9"
A	**M81-014**	9710	Start	30	10"
A	**M81-015**	9712	Start	30	12"
A	**M81-040**	974NC	Start No Crimp	30	4"
A	**M81-041**	975NC	Start No Crimp	30	5"
A	**M81-042**	976NC	Start No Crimp	30	6"
A	**M81-043**	977NC	Start No Crimp	30	7"
A	**M81-044**	978NC	Start No Crimp	30	8"
A	**M81-045**	979NC	Start No Crimp	30	9"
A	**M81-035**	9710NC	Start No Crimp	30	10"
A	**M81-036**	9712NC	Start No Crimp	30	12"
B	**M81-479**	97LS6	Flat (Long Style)	30	6"
B	**M81-480**	97LS7	Flat (Long Style)	30	7"

Fig.	Order #	Mfg. #	Description	Gauge	Duct Size
B	**M81-481**	97LS8	Flat (Long Style)	30	8"
C	**M81-029**	120SC4	Snap	28	4"
C	**M81-030**	120SC5	Snap	28	5"
C	**M81-031**	120SC6	Snap	28	6"
C	**M81-032**	120SC7	Snap	28	7"
C	**M81-033**	120SC8	Snap	28	8"
C	**M81-034**	120SC9	Snap	28	9"
C	**M81-023**	120SC10	Snap	28	10"
C	**M81-024**	120SC12	Snap	28	12"
D	**M81-469**	156D6	Spin w/Damper	28	6"
D	**M81-470**	156D7	Spin w/Damper	28	7"
D	**M81-471**	156D8	Spin w/Damper	28	8"
Ductboard					
E	**M81-355**	84ST6	Start	28	6"
E	**M81-356**	84ST7	Start	28	7"
E	**M81-357**	84ST8	Start	28	8"
E	**M81-367**	84STWD6	Start w/Damper	28	6"
E	**M81-368**	84STWD7	Start w/Damper	28	7"
E	**M81-369**	84STWD8	Start w/Damper	28	8"

Reducers

- Used to change pipe run diameters
- 28 gauge

Note: Many additional sizes available at www.johnstonesupply.com



A



B

Fig.	Order #	Mfg. #	Description	Duct Size
A	**M81-206**	58243	2 Piece	4" x 3"
A	**M81-210**	58264	2 Piece	6" x 4"
A	**M81-212**	58275	2 Piece	7" x 5"
A	**M81-213**	58276	2 Piece	7" x 6"
A	**M81-214**	58287	2 Piece	8" x 7"
B	**M81-195**	5843	3 Piece No Crimp	4" x 3"
B	**M81-197**	5854	3 Piece No Crimp	5" x 4"
B	**M81-198**	5864	3 Piece No Crimp	6" x 4"
B	**M81-199**	5865	3 Piece No Crimp	6" x 5"
B	**M81-200**	5874	3 Piece No Crimp	7" x 4"
B	**M81-202**	5876	3 Piece No Crimp	7" x 6"
B	**M81-220**	5884	3 Piece No Crimp	8" x 4"
B	**M81-203**	5885	3 Piece No Crimp	8" x 5"

Fig.	Order #	Mfg. #	Description	Duct Size
B	**M81-204**	5886	3 Piece No Crimp	8" x 6"
B	**M81-205**	5887	3 Piece No Crimp	8" x 7"
B	**M81-225**	58106	3 Piece No Crimp	10" x 6"
B	**M81-226**	58107	3 Piece No Crimp	10" x 7"
B	**M81-227**	58108	3 Piece No Crimp	10" x 8"
B	**M81-234**	581210	3 Piece No Crimp	12" x 10"
B	**M81-230**	58128	3 Piece No Crimp	12" x 8"
B	**M81-235**	581410	3 Piece No Crimp	14" x 10"
B	**M81-236**	581412	3 Piece No Crimp	14" x 12"
B	**M81-238**	581614	3 Piece No Crimp	16" x 14"
B	**M81-239**	581814	3 Piece No Crimp	18" x 14"
B	**M81-240**	581816	3 Piece No Crimp	18" x 16"
B	**M81-241**	582018	3 Piece No Crimp	20" x 18"

Tees

- Branches a run with a sharp, 90° angle

Note: Many additional sizes available at www.johnstonesupply.com



A



B

Fig.	Order #	Mfg. #	Description	Gauge	Length	Duct Size
A	**M81-486**	546	Joint	26	15"	6"
A	**M81-487**	547	Joint	26	15"	7"
A	**M81-488**	548	Joint	26	15"	8"

Fig.	Order #	Mfg. #	Description	Gauge	Length	Duct Size
B	**M81-497**	10606	Free Flow Joint	26	—	6"
B	**M81-498**	10607	Free Flow Joint	26	—	7"
B	**M81-499**	10608	Free Flow Joint	26	—	8"

Wyes

- A transition from one duct size to another

Note: Many additional sizes available at www.johnstonesupply.com



A



B

Fig.	Order #	Mfg. #	Description	Gauge	Duct Size
A	**M80-985**	78866	Branch	30	8" x 6" x 6"
A	**M80-987**	78977	Branch	28	9" x 7" x 7"
A	**M80-989**	781077	Branch	28	10" x 7" x 7"
B	**M81-092**	52443	Flue	30	4" x 4" x 3"

Fig.	Order #	Mfg. #	Description	Gauge	Duct Size
B	**M81-094**	52543	Flue	30	5" x 4" x 3"
B	**M81-097**	52554	Flue	30	5" x 5" x 4"
B	**M81-099**	52644	Flue	30	6" x 4" x 4"
B	**M81-534**	52765	Flue	30	7" x 6" x 5"

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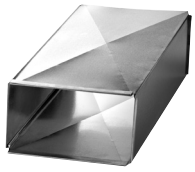
Trunk Duct & Fittings

- Main supply run and fittings

Note: Many additional sizes available at www.johnstonesupply.com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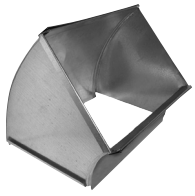
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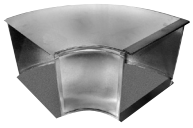
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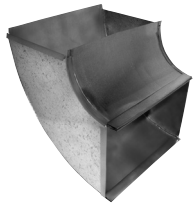
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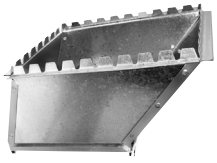
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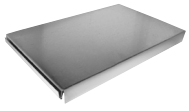
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I


J


K

Fig.	Order #	Mfg. #	Description	Gauge	Length	Duct Size
Trunk Duct						
A	**M90-184**	TD48148	Trunk Duct	26	48"	14" x 8"
A	**M90-185**	TD48168	Trunk Duct	26	48"	16" x 8"
A	**M90-186**	TD48188	Trunk Duct	26	48"	18" x 8"
A	**M90-187**	TD48208	Trunk Duct	26	48"	20" x 8"
A	**M90-241**	TD48228	Trunk Duct	26	48"	22" x 8"
A	**M90-242**	TD48248	Trunk Duct	26	48"	24" x 8"
A	**M90-243**	TD48268	Trunk Duct	26	48"	26" x 8"
A	**M90-244**	TD48288	Trunk Duct	26	48"	28" x 8"
A	**M90-245**	TD48308	Trunk Duct	26	48"	30" x 8"
A	**M90-191**	TD60148	Trunk Duct	26	60"	14" x 8"
A	**M90-192**	TD60168	Trunk Duct	26	60"	16" x 8"
A	**M90-193**	TD60188	Trunk Duct	26	60"	18" x 8"
A	**M90-194**	TD60208	Trunk Duct	26	60"	20" x 8"
A	**M90-247**	TD60228	Trunk Duct	26	60"	22" x 8"
A	**M90-248**	TD60248	Trunk Duct	26	60"	24" x 8"
A	**M90-249**	TD60268	Trunk Duct	26	60"	26" x 8"
A	**M90-250**	TD60288	Trunk Duct	26	60"	28" x 8"
A	**M90-246**	TD60308	Trunk Duct	26	60"	30" x 8"
A	**M90-251**	TD96188	Trunk Duct	26	96"	18" x 8"
A	**M90-188**	TD4888	Trunk Duct	28	48"	8" x 8"
A	**M90-182**	TD48108	Trunk Duct	28	48"	10" x 8"
A	**M90-183**	TD48128	Trunk Duct	28	48"	12" x 8"
A	**M90-195**	TD6088	Trunk Duct	28	60"	8" x 8"
A	**M90-189**	TD60108	Trunk Duct	28	60"	10" x 8"
A	**M90-190**	TD60128	Trunk Duct	28	60"	12" x 8"
Trunk Angles						
B	**M81-551**	1388	45° Flat Broadway	26	—	8" x 8"
B	**M81-554**	13108	45° Flat Broadway	26	—	10" x 8"
B	**M81-555**	13128	45° Flat Broadway	26	—	12" x 8"
B	**M81-556**	13148	45° Flat Broadway	26	—	14" x 8"
B	**M81-557**	13168	45° Flat Broadway	26	—	16" x 8"
B	**M81-558**	13188	45° Flat Broadway	26	—	18" x 8"
B	**M81-559**	13208	45° Flat Broadway	26	—	20" x 8"
B	**M81-561**	13248	45° Flat Broadway	26	—	24" x 8"
C	**M81-563**	15108	45° Vertical Shortway	26	—	10" x 8"
C	**M81-564**	15128	45° Vertical Shortway	26	—	12" x 8"
C	**M81-565**	15148	45° Vertical Shortway	26	—	14" x 8"
C	**M81-566**	15168	45° Vertical Shortway	26	—	16" x 8"
C	**M81-567**	15188	45° Vertical Shortway	26	—	18" x 8"
C	**M81-568**	15208	45° Vertical Shortway	26	—	20" x 8"
C	**M81-570**	15248	45° Vertical Shortway	26	—	24" x 8"
Trunk Elbows						
D	**M81-141**	1488	90° Flat Broadway	26	—	8" x 8"
D	**M81-143**	14108	90° Flat Broadway	26	—	10" x 8"
D	**M81-144**	14128	90° Flat Broadway	26	—	12" x 8"

Fig.	Order #	Mfg. #	Description	Gauge	Length	Duct Size
D	**M81-145**	14148	90° Flat Broadway	26	—	14" x 8"
D	**M81-146**	14168	90° Flat Broadway	26	—	16" x 8"
D	**M81-147**	14188	90° Flat Broadway	26	—	18" x 8"
D	**M81-148**	14208	90° Flat Broadway	26	—	20" x 8"
D	**M81-150**	14248	90° Flat Broadway	26	—	24" x 8"
E	**M81-142**	1688	90° Vertical Broadway	26	—	8" x 8"
E	**M81-154**	16108	90° Vertical Broadway	26	—	10" x 8"
E	**M81-155**	16128	90° Vertical Broadway	26	—	12" x 8"
E	**M81-156**	16148	90° Vertical Broadway	26	—	14" x 8"
E	**M81-157**	16168	90° Vertical Broadway	26	—	16" x 8"
E	**M81-158**	16188	90° Vertical Broadway	26	—	18" x 8"
E	**M81-159**	16208	90° Vertical Broadway	26	—	20" x 8"
E	**M81-160**	16228	90° Vertical Broadway	26	—	22" x 8"
Trunk Collars						
F	**M81-012**	2088	Straight	28	—	8" x 8"
F	**M81-021**	20108	Straight	28	—	10" x 8"
F	**M81-068**	20128	Straight	28	—	12" x 8"
F	**M81-069**	20148	Straight	28	—	14" x 8"
F	**M81-070**	20168	Straight	28	—	16" x 8"
F	**M81-071**	20188	Straight	28	—	18" x 8"
F	**M81-072**	20208	Straight	28	—	20" x 8"
F	**M81-074**	20248	Straight	28	—	24" x 8"
G	**M81-013**	2388	Offset	26	—	8" x 8"
G	**M81-022**	23108	Offset	26	—	10" x 8"
G	**M81-078**	23128	Offset	26	—	12" x 8"
G	**M81-079**	23148	Offset	26	—	14" x 8"
G	**M81-080**	23168	Offset	26	—	16" x 8"
G	**M81-081**	23188	Offset	26	—	18" x 8"
G	**M81-082**	23208	Offset	26	—	20" x 8"
G	**M81-084**	23248	Offset	26	—	24" x 8"
Trunk End Caps						
H	**M81-172**	2188	Trunk End	26	—	8" x 8"
H	**M81-174**	21108	Trunk End	26	—	10" x 8"
H	**M81-176**	21128	Trunk End	26	—	12" x 8"
H	**M81-178**	21148	Trunk End	26	—	14" x 8"
H	**M81-180**	21168	Trunk End	26	—	16" x 8"
H	**M81-182**	21188	Trunk End	26	—	18" x 8"
H	**M81-183**	21208	Trunk End	26	—	20" x 8"
H	**M81-187**	21248	Trunk End	26	—	24" x 8"
Cleats						
I	**M90-068**	6S60	S	28	60"	—
I	**M90-072**	6S120	S	28	120"	—
J	**M81-002**	8D8	Drive	28	8"	—
J	**M90-069**	8D60	Drive	28	60"	—
K	**M90-071**	3712026	Rigid S	28	120"	—

Wallstack & Fittings

- For interior wall supply and return ducts
- 30 gauge

Note: Many additional sizes available at www.johnstonesupply.com


A


B


C


D

Fig.	Order #	Mfg. #	Description	Length	Size	Duct Size
Wallstack						
A	**M90-253**	WSJ60310	Duct Run	60"	—	3-1/4" x 10"
A	**M90-254**	WSJ60312	Duct Run	60"	—	3-1/4" x 12"
A	**M90-255**	WSJ60314	Duct Run	60"	—	3-1/4" x 14"
Stack Boots						
B	**M80-830**	273106	Straight	—	3-1/4" x 10"	6"
B	**M80-831**	273126	Straight	—	3-1/4" x 12"	6"
B	**M80-832**	273127	Straight	—	3-1/4" x 12"	7"

Fig.	Order #	Mfg. #	Description	Length	Size	Duct Size
C	**M80-818**	243106	90°	—	3-1/4" x 10"	6"
C	**M80-819**	243107	90°	—	3-1/4" x 10"	7"
C	**M80-821**	243126	90°	—	3-1/4" x 12"	6"
C	**M80-822**	243127	90°	—	3-1/4" x 12"	7"
D	**M80-970**	283106	End	—	3-1/4" x 10"	6"
D	**M80-971**	283107	End	—	3-1/4" x 10"	7"
D	**M80-972**	283148	End	—	3-1/4" x 14"	8"

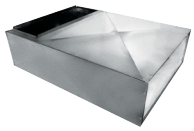
Return Air Products

- Ducting and components for return air
- Return air package includes: Start collar, two 30" duct sections, return air plenum with 1" filter rack and six 10" drive straps

Note: Many additional sizes available at www.johnstonesupply.com


A


B


C


D

Fig.	Order #	Mfg. #	Description	Gauge	Size	Duct Size	Filter Opening
A	**M90-200**	810	Return Air Package	26	—	20" x 10"	20" x 16"
A	**M90-201**	811	Return Air Package	26	—	25" x 10"	25" x 16"
—	**M90-256**	481735	Panning Material	30	17" x 35"	—	—
—	**M90-257**	483235	Panning Material	30	32" x 35"	—	—
B	**M81-574**	31106	Frame	30	10" x 6"	—	—
B	**M81-577**	31146	Frame	30	14" x 6"	—	—
B	**M81-579**	31246	Frame	30	24" x 6"	—	—
C	**M90-232**	SB30	Support Box	26	30" x 28" x 10"	8" x 24"	—
C	**M81-625**	SBF30	Support Box w Filter Rack	26	30" x 22" x 15"	8" x 24"	—
D	**M81-193**	352	Trunk Reducer	28	2"	—	—
D	**M81-194**	354	Trunk Reducer	28	4"	—	—

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Oval Pipe & Fittings

- For use in internal walls
- 30 gauge

Note: Many additional sizes available at www.johnstonesupply.com



A B C D E F G H

Fig.	Order #	Mfg. #	Description	Length	Duct Size	Register Opening
A	**M90-205**	1005	Pipe Length	100"	5"	—
A	**M90-206**	1006	Pipe Length	100"	6"	—
A	**M90-207**	1007	Pipe Length	100"	7"	—
A	**M90-211**	1606	Pipe Length	60"	6"	—
A	**M90-212**	1607	Pipe Length	60"	7"	—
B	**M81-584**	1101066	Stackhead	—	6"	6" x 10"
B	**M81-585**	1101067	Stackhead	—	7"	6" x 10"
B	**M81-588**	1101266	Stackhead	—	6"	6" x 12"
C	**M81-549**	1156	45° Vertical Shortway Angle	—	6"	—
D	**M81-139**	1166	90° Vertical Shortway Elbow	—	6"	—
E	**M80-960**	1246	Oval to Round 90° Boot	—	6"	—
F	**M80-963**	1276	Oval to Round Straight Boot	—	6"	—
G	**M80-964**	1286	Oval to Oval Reverse Boot	—	6"	—
H	**M80-957**	1066	Oval to Round Reverse Boot	—	6"	—

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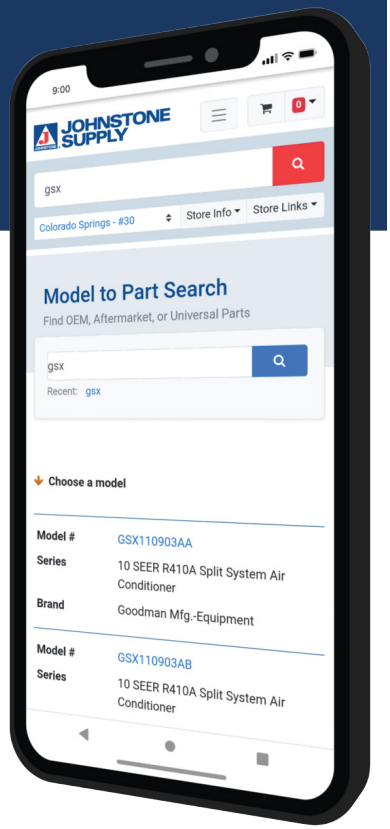

Spiral Duct

- Used for large commercial duct runs

Note: Many additional sizes available at www.johnstonesupply.com


A


B


C


D


E

Fig.	Order #	Mfg. #	Description	Gauge	Length	Size	Duct Size
Pipe							
A	**M90-259**	SP10426	Pipe	26	10'	—	4"
A	**M90-260**	SP10526	Pipe	26	10'	—	5"
A	**M90-261**	SP10626	Pipe	26	10'	—	6"
A	**M90-262**	SP10726	Pipe	26	10'	—	7"
A	**M90-263**	SP10826	Pipe	26	10'	—	8"
A	**M90-264**	SP101026	Pipe	26	10'	—	10"
A	**M90-265**	SP101226	Pipe	26	10'	—	12"
A	**M90-266**	SP101426	Pipe	26	10'	—	14"
A	**M90-267**	SP101624	Pipe	24	10'	—	16"
A	**M90-268**	SP101824	Pipe	24	10'	—	18"
A	**M90-269**	SP102024	Pipe	24	10'	—	20"
A	**M90-270**	SP102224	Pipe	24	10'	—	22"
A	**M90-271**	SP102424	Pipe	24	10'	—	24"
Elbows							
B	**M90-272**	SP90426	90° Elbow	26	—	—	4"
B	**M90-273**	SP90526	90° Elbow	26	—	—	5"
B	**M90-274**	SP90626	90° Elbow	26	—	—	6"
B	**M90-275**	SP90726	90° Elbow	26	—	—	7"
B	**M90-276**	SP90826	90° Elbow	26	—	—	8"
B	**M90-277**	SP901026	90° Elbow	26	—	—	10"
B	**M90-278**	SP901226	90° Elbow	26	—	—	12"
B	**M90-279**	SP901424	90° Elbow	24	—	—	14"
B	**M90-280**	SP901624	90° Elbow	24	—	—	16"
B	**M90-281**	SP901824	90° Elbow	24	—	—	18"
B	**M90-282**	SP902024	90° Elbow	24	—	—	20"
B	**M90-283**	SP902224	90° Elbow	24	—	—	22"
B	**M90-284**	SP902424	90° Elbow	24	—	—	24"
Reducers							
C	**M90-338**	SP5864	Tapered Reducer	26	—	6" x 4"	—
C	**M90-339**	SP5865	Tapered Reducer	26	—	6" x 5"	—
C	**M90-340**	SP5874	Tapered Reducer	26	—	7" x 4"	—
C	**M90-341**	SP5875	Tapered Reducer	26	—	7" x 5"	—
C	**M90-342**	SP5876	Tapered Reducer	26	—	7" x 6"	—
C	**M90-343**	SP5885	Tapered Reducer	26	—	8" x 5"	—
C	**M90-344**	SP5886	Tapered Reducer	26	—	8" x 6"	—
C	**M90-345**	SP5887	Tapered Reducer	26	—	8" x 7"	—
C	**M90-346**	SP58106	Tapered Reducer	26	—	10" x 6"	—
C	**M90-347**	SP58107	Tapered Reducer	26	—	10" x 7"	—
C	**M90-348**	SP58108	Tapered Reducer	26	—	10" x 8"	—
C	**M90-349**	SP58126	Tapered Reducer	26	—	12" x 6"	—
C	**M90-350**	SP58128	Tapered Reducer	26	—	12" x 8"	—

Fig.	Order #	Mfg. #	Description	Gauge	Length	Size	Duct Size
C	**M90-351**	SP581210	Tapered Reducer	26	—	12" x 10"	—
C	**M90-352**	SP58148	Tapered Reducer	24	—	14" x 8"	—
C	**M90-353**	SP581410	Tapered Reducer	24	—	14" x 10"	—
C	**M90-354**	SP581412	Tapered Reducer	24	—	14" x 12"	—
C	**M90-355**	SP581610	Tapered Reducer	24	—	16" x 10"	—
C	**M90-356**	SP581612	Tapered Reducer	24	—	16" x 12"	—
C	**M90-357**	SP581614	Tapered Reducer	24	—	16" x 14"	—
C	**M90-358**	SP581812	Tapered Reducer	24	—	18" x 12"	—
C	**M90-359**	SP581814	Tapered Reducer	24	—	18" x 14"	—
C	**M90-360**	SP581816	Tapered Reducer	24	—	18" x 16"	—
C	**M90-361**	SP582014	Tapered Reducer	24	—	20" x 14"	—
C	**M90-362**	SP582016	Tapered Reducer	24	—	20" x 16"	—
C	**M90-363**	SP582018	Tapered Reducer	24	—	20" x 18"	—
Connectors							
D	**M90-311**	SPCON426	Connector	26	—	—	4"
D	**M90-312**	SPCON526	Connector	26	—	—	5"
D	**M90-313**	SPCON626	Connector	26	—	—	6"
D	**M90-314**	SPCON726	Connector	26	—	—	7"
D	**M90-315**	SPCON826	Connector	26	—	—	8"
D	**M90-316**	SPCON1026	Connector	26	—	—	10"
D	**M90-317**	SPCON1226	Connector	26	—	—	12"
D	**M90-318**	SPCON1424	Connector	24	—	—	14"
D	**M90-319**	SPCON1624	Connector	24	—	—	16"
D	**M90-320**	SPCON1824	Connector	24	—	—	18"
D	**M90-321**	SPCON2024	Connector	24	—	—	20"
D	**M90-322**	SPCON2224	Connector	24	—	—	22"
D	**M90-323**	SPCON2424	Connector	24	—	—	24"
End Caps							
E	**M90-324**	SP554	End Cap	26	—	—	4"
E	**M90-325**	SP555	End Cap	26	—	—	5"
E	**M90-326**	SP556	End Cap	26	—	—	6"
E	**M90-327**	SP557	End Cap	26	—	—	7"
E	**M90-328**	SP558	End Cap	26	—	—	8"
E	**M90-329**	SP5510	End Cap	26	—	—	10"
E	**M90-330**	SP5512	End Cap	26	—	—	12"
E	**M90-331**	SP5514	End Cap	24	—	—	14"
E	**M90-332**	SP5516	End Cap	24	—	—	16"
E	**M90-333**	SP5518	End Cap	24	—	—	18"
E	**M90-334**	SP5520	End Cap	24	—	—	20"
E	**M90-335**	SP5522	End Cap	24	—	—	22"
E	**M90-336**	SP5524	End Cap	24	—	—	24"

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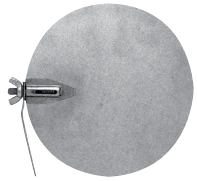
Sheet Metal Accessories

- For use on supply and return duct runs

Note: Many additional sizes available at www.johnstonesupply.com


A

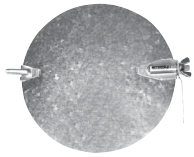

B

Fig.	Order #	Mfg. #	Description	Gauge	Duct Size
A	**M81-268**	44-16	Damper (One Quad)	26	6"
A	**M81-269**	44-17	Damper (One Quad)	26	7"
A	**M81-270**	44-18	Damper (One Quad)	26	8"
B	**M81-252**	444	Damper (Two Quad)	26	4"
B	**M81-253**	445	Damper (Two Quad)	26	5"
B	**M81-254**	447	Damper (Two Quad)	26	7"
B	**M81-255**	448	Damper (Two Quad)	26	8"
B	**M81-256**	449	Damper (Two Quad)	26	9"

Fig.	Order #	Mfg. #	Description	Gauge	Duct Size
B	**M81-258**	4410	Damper (Two Quad)	26	10"
B	**M81-259**	4412	Damper (Two Quad)	26	12"
B	**M81-260**	4414	Damper (Two Quad)	26	14"
B	**M81-261**	4416	Damper (Two Quad)	26	16"
—	**M81-594**	97FC6	Flex Connector	28	6"
—	**M81-620**	97FC7	Flex Connector	28	7"
—	**M81-621**	97FC8	Flex Connector	28	8"

Galvanized Hooded Wall Vents

NEW

- Ideal round wall vent for most applications
- 28 gauge steel with mill finish



Order #	Mfg. #	Description	Size	Each
M80-102	SWV3	With Screen	3"	**39.99**
M80-103	SWV4	With Screen	4"	**47.49**
M80-104	SWV5	With Screen	5"	**47.99**
M80-105	SWV6	With Screen	6"	**59.00**
M80-106	SWV7	With Screen	7"	**59.00**
M80-107	SWV8	With Screen	8"	**75.00**
M80-108	SWV10	With Screen	10"	**115.00**
M80-109	SWV12	With Screen	12"	**135.00**
M80-110	SWV14	With Screen	14"	**165.00**
M81-923	DWV4	With Damper	4"	**47.49**
M81-924	DWV6	With Damper	6"	**59.00**

Order #	Mfg. #	Description	Size	Each
M81-925	DWV8	With Damper	8"	**69.00**
M81-926	DWV10	With Damper	10"	**115.00**
M81-927	DWV4BK	With Damper - Black	4"	**69.00**
M81-928	SDWV4BR	With Damper & Screen - Brown	4"	**75.00**
M81-929	SDWV6BR	With Damper & Screen - Brown	6"	**99.00**
X82-365	WVE4BK	With Spring Loaded Damper & Screen - Black	4"	**89.00**
X83-961 ◀	WVEB6BK	With Spring Loaded Damper & Screen - Black	6"	**125.00**
X83-674	WVEB8BK	With Spring Loaded Damper & Screen - Black	8"	**135.00**
X83-675	WVEB10BK	With Spring Loaded Damper & Screen - Black	10"	**195.00**
X82-366	WVEBH6BK	With Spring Loaded Damper & Screen - Black	6"	**129.00**

Butterfly Dampers

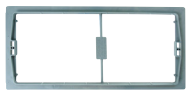
- The ideal backdraft damper for solar, fresh air intake, heat exchangers and other air duct applications
- Foam seal provides minimal leakage
- Works for both horizontal and vertical applications
- Ideal for intake or exhaust applications
- Opens easily with normal air flow and closes by gravity

Fig.	Order #	Mfg. #	Size	Each
Standard				
A	**M80-088**	BD4	4"	**37.49**
A	**M80-095**	BD5	5"	**37.49**
A	**M80-089**	BD6	6"	**38.99**
A	**M80-090**	BD7	7"	**45.49**
A	**M80-091**	BD8	8"	**55.00**
A	**M80-092**	BD9	9"	**59.00**
A	**M80-093**	BD10	10"	**85.00**
A	**M80-094**	BD12	12"	**99.00**
Inline				
B	**M82-117** ◀	BDS4	4"	**45.49**
B	**M82-118** ◀	BDS6	6"	**55.00**
B	**M82-119** ◀	BDS7	7"	**59.00**
B	**M82-120** ◀	BDS8	8"	**69.00**
B	**M82-121** ◀	BDS10	10"	**95.00**


A


B

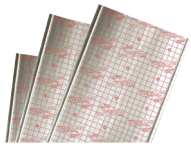
Thermo-Frames Return Air Grille Dry Wall Frames



- Precision molded polypropylene frame
- Windowed version is covered with clear film to keep out dirt

Order #	Mfg. #	Description	Size	Each
R87-712	14630	Standard	30" x 6" or 2 @ 14" x 6"	**6.55**
R87-713	14631	Windowed	30" x 6" or 2 @ 14" x 6"	**8.19**
R88-066	14831	Windowed	30" x 8" or 2 @ 14" x 8"	**9.69**

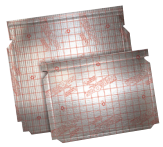
Fire-Resistant Thermo-Pans



- High quality "no noise" sheet metal alternative for return air ducts
- Excellent for open web trusses
- Fire resistant - tested to UL 723 Standard (non-self supporting)
- Airspace created provides R-value = 5

Order #	Mfg. #	Size	Carton Qty.	Each	25 Lot
R94-670	16048	16" x 47-1/2"	25	**8.25**	**7.45**
R94-671	19048	19-1/2" x 47-1/2"	25	**10.49**	**9.25**
R94-672	22048	22" x 47-1/2"	25	**11.99**	**10.99**
R94-673	24048	24" x 47-1/2"	25	**12.99**	**11.49**
R94-674	32036	32" x 35-1/2"	25	**12.99**	**11.99**

Fire-resistant Thermo-Headers



- Pre-cut and scored to fit easily between joists
- Performance tested to UL 723 test standard
- Class 1 fire rating
- Flame spread 15, smoke index 5

Order #	Mfg. #	Size	Each	25 Lot
R87-928	16012R	16" x 12"	**2.55**	**2.29**
R87-929	16017R	16" x 17"	**2.55**	**2.29**
R87-930	16019R	19" x 16"	**3.79**	**3.45**

Thermo-Connectors



- Molded polypropylene strip for connecting Thermo-Pan sections
- Save time, add rigidity

Order #	Mfg. #	Size	Each	25 Lot
R87-768	16348	16"	**1.59**	**1.45**
R87-769	19348	19-1/2"	**2.05**	**1.85**
R87-770	22348	22"	**2.25**	**2.05**
R87-771	24348	24"	**2.49**	**2.29**
R87-772	32336	32"	**3.29**	**2.99**

Wire Mesh



- Protect ductwork from rodents, animals and large debris
- Rust-resistant coating
- 100' rolls

Order #	Mfg. #	Description	Each
R94-789	BS16124	16-Gauge Wire Mesh 1/2" x 1/2" x 48"	**2545.00**
R94-790	BS19124	19-Gauge Wire Mesh 1/2" x 1/2" x 48"	**959.00**
R94-791	BS23144	23-Gauge Wire Mesh 1/2" x 1/2" x 48"	**949.00**

Dyn-O-Wrap



- Self-adhesive film to protect uninstalled ductwork
- Easy to remove without leaving residue
- UV resistant and waterproof

Order #	Mfg. #	Description	Each
R94-792	PRW24-200	24" Puncture Resistant Wrap 200-Foot Roll	**129.00**
R94-793	PRW36-200	36" Puncture Resistant Wrap 200-Foot Roll	**205.00**
R94-794	PRW48-200	48" Puncture Resistant Wrap 200-Foot Roll	**275.00**

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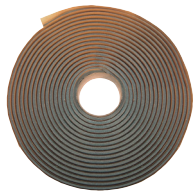
Gasketing

- Used to form airtight seal at transverse duct connection points
- Choose from butyl gasket for permanent seal or neoprene gasket for applications that require periodic maintenance



Order #	Mfg. #	Description	Each
R88-094	BTL500	Butyl Gasket 3/16" x 5/8" 25-Foot Roll	**14.99**
R88-095	BN516-34	Neoprene Gasket 5/16" x 3/4" 50-Foot Roll	**65.00**

Dyn-O-Mate Flanges

- Designed to strengthen the duct wall and connect duct sections together
- Integrated butyl sealant pocket for a secure airtight fit
- DOMJ is designed for large commercial and high-pressure applications
- DOMH is designed for low to medium pressure or residential applications



Order #	Mfg. #	Description	Each
R94-783	DOMJ10	J Flange 10-Foot	**75.00**
R94-784	DOMJ12	J Flange 12-Foot	**89.00**
R94-785	DOMJ20	J Flange 20-Foot	**145.00**
R94-786	DOMH12	H Flange 12-Foot	**69.00**
R94-787	DOMH20	H Flange 20-Foot	**115.00**

Dyn-O-Mate Duct Accessories



Order #	Mfg. #	Description	Each
R94-788	DDJSNB	J Speed Corner w/3/8" Nut and Bolt (250 Crnrs/125 N&B)	**1499.00**
R88-090	DDHNB	H Corner w/1/4" Nut and Bolt (250 Crnrs/125 N&B)	**1245.00**
R88-091	TDCS	Stackable TDC Corner (250-Pk.)	**485.00**
R88-092	TDFS	Stackable TDF Corner (250-Pk.)	**485.00**
R88-093	HDQCPLUS125	6" Heavy Duty Quad Cleat (250-Pk.)	**495.00**
R94-797	PAI1612	16-Gauge Punched Angle Iron 1-1/2" x 1-1/2" x 12-Foot	**99.00**

Thin Wall Conduit

- Use to support duct sizes over 48" or smaller duct in high pressure applications
- 10' lengths



Order #	Mfg. #	Description
G95-038	MC1210	1/2" Thin Wall Conduit
G95-039	MC3410	3/4" Thin Wall Conduit

Dyn-O-Loc Sets

- Insert into the ends of thin wall conduit to attach conduit to the duct
- Easy to insert and pull tested to withstand over 1,900 lbs.
- Set includes Dyn-O-Loc, ¼-20 bolt and neoprene backed washer



Order #	Mfg. #	Description	Each
R58-910	DOMRL12-250	1/2" Dyn-O-Loc Set (250-Pk.)	**729.00**
R58-911	DOMRL34-250	3/4" Dyn-O-Loc Set (250-Pk.)	**765.00**

VinylFlex™ Flexible Duct Connectors

- Leak proof — resistant to moisture and mildew
- Flame resistant
- Heat range -35°F to +200°F
- Tensile strength 220 x 195 lbs.
- Tear strength 70 x 45 lbs.
- 100' roll



Order #	Mfg. #	Size	Application	Type	Gauge
R94-257	307854	3-3-3	Commercial	Open	24
R94-256	307851	3-3-3	Commercial	Closed	24
R94-261	307902	2-3-2	Residential	Flat	28

Order #	Mfg. #	Size	Application	Type	Gauge
R94-260	307904	2-3-2	Residential	Open	28
R94-259	307899	2-3-2	Residential	Closed	28

DYNAIR DUCT HARDWARE & NEXUS FLANGE

Neoprene Flexible Duct Connectors



- Airtight, waterproof and resistant to mildew
- Resistant to many acids, oils, alkaline and toxic fumes
- Used in high velocity, high pressure systems
- Flame resistant
- Heat range -35°F to +235°F
- Tensile strength 475 x 375 lbs.
- Tear strength 25 x 20 lbs.
- 100' roll

Order #	Mfg. #	Size	Application	Type	Gauge
R94-254	307842	3-3-3	Commercial	Open	24

Order #	Mfg. #	Size	Application	Type	Gauge
R94-253	307838	3-3-3	Commercial	Closed	24

DYNAIR DUCT HARDWARE & NEXUS FLANGE

Dial-A-Matic™ Commercial Damper Regulators

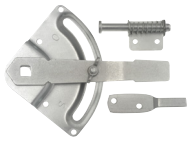


- Heavy gauge dial and handle
- 1/4" and 3/8" dial for round or rectangular duct

Order #	Mfg. #	Description	Max. Damper Size
R87-625	308003	Dial-A-Matic Set 1/4"	10" x 10"
R87-626	308004	Dial-A-Matic Set Long 1/4"	10" x 10"
R87-627	308005	Dial-A-Matic Set 3/8"	20" x 20"
R87-628	308006	Dial-A-Matic Set Long 3/8"	20" x 20"

DYNAIR DUCT HARDWARE & NEXUS FLANGE

Dyn-A-Quad™ Commercial Damper Regulators



- Heavier 12 gauge off-set handle elliminates the chance of square being “round out”
- Single shear

Order #	Mfg. #	Description	Max. Damper Size
R87-629	308027	Dyn-A-Quad Set 3/8"	20" x 20"
R87-630	308024	Dyn-A-Quad Set 1/2"	30" x 30"

DYNAIR DUCT HARDWARE & NEXUS FLANGE

Kwiki™ Residential Damper Regulators



- Zinc plated to allow easy installation onto any factory-made residential damper blade

Order #	Mfg. #	Description	Max. Damper Size
R87-622	307961	Kwiki Set	10" x 10"
R87-623	307962	Kwiki Set Economy	10" x 10"
R87-624	307963	Kwiki Regulator	10" x 10"

DYNAIR DUCT HARDWARE & NEXUS FLANGE

Access Door Hardware



A



B

Fig.	Order #	Mfg. #	Description
A	**R87-633**	308098	Swivel-Lock
B	**R87-634**	308101	Door Handle for 2" Doors

GRIPNAIL A CARLISLE BRAND

Weld-Ons™ Cup Head



- Cup style head is designed to depress insulation without tearing it
- Sold in package quantity

Order #	Mfg. #	Length	Pkg. Qty.
R87-640	308119	1/2"	5,000
R87-642	308120	3/4"	5,000

Order #	Mfg. #	Length	Pkg. Qty.
R87-644	308121	1"	5,000
R87-646	308122	1-1/8"	3,000

Order #	Mfg. #	Length	Pkg. Qty.
R87-650	307099	1-1/2"	3,000

GRIPNAIL A CARLISLE BRAND

Weld-Ons™ Flat Head



- Sold in package quantity

Order #	Mfg. #	Length	Pkg. Qty.
R87-652	308141	1/2"	5,000
R87-654	308142	3/4"	5,000

Order #	Mfg. #	Length	Pkg. Qty.
R87-656	308143	1"	5,000
R87-658	308144	1-1/8"	3,000

Order #	Mfg. #	Length	Pkg. Qty.
R87-662	307097	1-1/2"	3,000

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Grip-Ons

- Tips have double claw which grabs metal and will not shatter
- Easily applied with double-headed magnetic Grip-On hammer
- Sold in package quantity

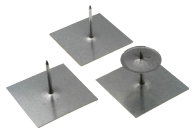


Order #	Mfg. #	Length	Pkg. Qty.
R87-663	308239	1/2"	1,000

Order #	Mfg. #	Length	Pkg. Qty.
R87-664	308235	1"	1,000

Stick-Ons™

- Pressure sensitive adhesive backing adheres to ductwork
- Press insulation over nail and secure with clip
- Sold in package quantity



Order #	Mfg. #	Length	Pkg. Qty.
R88-058	308155	3/4"	500
R88-059	308156	1-1/4"	500

Order #	Mfg. #	Length	Pkg. Qty.
R88-060	308158	1-3/4"	500
R88-061	308159	2"	500

Order #	Mfg. #	Length	Pkg. Qty.
R88-062	308160	2-1/2"	500

Weld-On Pin Welder

- Solid state timer and weld relay
- Heavy-duty transformer unit
- Rugged 16 gauge case
- Weld-on lamp
- 1.6 lb. gun
- Permanently connected cables and heavy duty copper ground clamp
- 208V-240V, 30 amps



Order #	Mfg. #
R87-675	304644

Duct Rail

- Sturdy 23 gauge steel embossed-for-stiffness design
- Use with single or hollow vanes - up to 16 gauge steel
- Install with **R55-715** vane setter



Order #	Mfg. #	Description	Size
R87-631	308088	Dyn-O-Rail	4" x 100'
R87-632	308089	Dyn-O-Rail Jr.	2-1/2" x 100'

Duct Vane Setting Tools

- Vane setter is a hammer driven impact setter
- Impact vane setter is air operated at 40 PSI and sets vanes from 26 to 16 gauge



A



B



C

Fig.	Order #	Mfg. #	Description
A	**R55-715**	304639	Vane Setter
B	**R55-716**	308087	Impact Vane Setter
C	**R55-717**	307291	Impact Vane Setter Tip

OWENS CORNING



QuietR® Fiberglass Rotary Duct Liner

- Internal insulation that absorbs noise and reduces heat loss
- Clean cutting for easy fabrication
- Smooth, fire resistant air stream surface facilitates cleaning
- Bacteria and fungi protection
- Complies with the following codes: ASTM C 1071, Type 1, Flexible; NFPA 90A/90B, ICC Compliant, Calif. Title 24, SMACNA Application for standard duct liner, NAIMA Fibrous Glass Duct Liner Installation Standard, Conforms to ASHRAE 62-2001

Order #	Type	Dimensions	R Value	Density PCF
R94-620	R2.2	1/2" x 35-1/2" x 100'	2.2	2
R94-377	R2.2	1/2" x 47" x 100'	2.2	2
R94-621	R2.2	1/2" x 59" x 100'	2.2	2
R94-622	R2.2	1/2" x 60" x 100'	2.2	2
R94-623	R4.2	1" x 35" x 100'	4.2	1.5
R94-378	R4.2	1" x 35-1/2" x 100'	4.2	1.5
R94-379	R4.2	1" x 47" x 100'	4.2	1.5
R94-394	R4.2	1" x 47-1/2" x 100'	4.2	1.5
R94-395	R4.2	1" x 48" x 100'	4.2	1.5
R94-396	R4.2	1" x 56" x 100'	4.2	1.5
R94-397	R4.2	1" x 56-1/4" x 100'	4.2	1.5
R94-398	R4.2	1"x 59" x 100'	4.2	1.5
R94-399	R4.2	1" x 59-1/4" x 100'	4.2	1.5
R94-400	R4.2	1" x 59-1/2" x 100'	4.2	1.5
R94-401	R4.2	1" x 60" x 100'	4.2	1.5
R94-624	R6.3	1-1/2" x 35-1/2" x 50'	6.3	1.5
R94-625	R6.3	1-1/2" x 35-1/2" x 100'	6.3	1.5

Order #	Type	Dimensions	R Value	Density PCF
R94-626	R6.3	1-1/2" x 47" x 50'	6.3	1.5
R94-627	R6.3	1-1/2" x 47-1/2" x 50'	6.3	1.5
R94-628	R6.3	1-1/2" x 47-1/2" x 100'	6.3	1.5
R94-629	R6.3	1-1/2" x 48" x 50'	6.3	1.5
R94-630	R6.3	1-1/2" x 56-1/4" x 50'	6.3	1.5
R94-631	R6.3	1-1/2" x 59" x 50'	6.3	1.5
R94-632	R6.3	1-1/2" x 59-1/2" x 50'	6.3	1.5
R94-633	R6.3	1-1/2" x 60" x 50'	6.3	1.5
R94-634	R8	2" x 35-1/2" x 50'	8	1.5
R94-380	R8	2" x 47" x 50'	8	1.5
R94-635	R8	2" x 47-1/2" x 50'	8	1.5
R94-402	R8	2" x 48" x 50'	8	1.5
R94-636	R8	2" x 56-1/4" x 50'	8	1.5
R94-637	R8	2" x 59" x 50'	8	1.5
R94-638	R8	2" x 59-1/2" x 50'	8	1.5
R94-639	R8	2" x 60" x 50'	8	1.5

OWENS CORNING



SoftR® Fiberglass Duct Wrap

- Used for external insulation of commercial and residential heating, air conditioning and dual temperature ducts operating at temperatures from 40°F (4°C) to 250°F (121°C)
- Foil Reinforced Kraft facing (FRK)
- Reformulated to reduce dust and itch
- Assured thermal performance
- Condensation control
- Enhanced comfort control
- Meets model Energy and Mechanical codes
- Flexible, easy to install
- R value is installed

Order #	Type	Dimensions	R Value
R94-217	T100	1-1/2" x 48" x 100'	4.5
R94-218	T100	2" x 48" x 75'	6
R94-219	T150	1-1/2" x 48" x 75'	4.8
R94-220	T150	2" x 48" x 50'	6.4

Order #	Type	Dimensions	R Value
R94-221	T75	1-1/2" x 48" x 100'	4.2
R94-223	T75	2-1/5" x 48" x 75'	6
R94-224	T75	3" x 48" x 50'	8.3

OWENS CORNING



QuietR® Fiberglass Duct Board

- Durable airstream surface
- Protected by an EPA registered biocide
- Air velocities up to 6,000 FPM
- Outstanding thermal performance
- Acoustically efficient at absorbing noise
- Easy to fabricate and install
- Virtually eliminates air leakage
- Meets the following codes: NFPA 90A/90B, ICC International Mechanical Code, SBCCI, ICBO, BOCA, CABO, NYC MEA #186-69
- R value is at 75°F

Order #	Mfg. #	Dimensions	R Value
R94-245	475FRK	1" X 48" x 120"	4.3
R94-246	800FRK	1-1/2" x 48" x 120"	6.5

Order #	Mfg. #	Dimensions	R Value
R94-359	1400FRK	2" x 48" x 120"	8.7

OWENS CORNING



ProCat™ Installation Machine

- Blows ProCat™ insulation into attic or walls
- Includes 100' X 2-1/2" hose and wall kit
- 115V

Order #	Mfg. #	Dimensions	Wt. Lbs./Carton
H93-201	739512	48" x 32-1/4"	165

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ProCat™ Expanding Blown-in PINK® Fiberglas™ Insulation

- An ideal solution for hot or cold spots in attics or walls
- Lets you blow in insulation as thick as you want to achieve any R-value



Order #	Mfg. #	Wt. Lbs./Carton
R94-705	750865	33.5

ProCat™ Accessories

- For a finished ProCat™ installation

Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Each
R94-756	510266	Ventilation Baffles	**3.65**
R94-758	740502	Attic Hatch Bag	**14.49**
G81-015	644228	ComfortSeal Gun Foam	**34.49**
G37-932	644231	Foam Sealant Gun	**105.00**
G81-153	644230	ComfortSeal Cleaner	**26.99**

Portable Duct Foam Kits

- Two component low-pressure spray-applied polyurethane foam systems for air sealing and insulating residential, commercial, industrial and agricultural structures
- Ideal for sealing HVAC duct systems
- Saves up to 50% time and labor over old tape and mastic methods
- Once completed, system will pass blower door test
- Includes: Applicator gun, 15' hose for the 600 KIT, 10' hose for the 200KIT and 10 conical nozzles



A


B


C

Hazardous Material Shipping Alert

Fig.	Order #	Mfg. #	Description	Application	Each
—	**G95-195**	7565021053	Foam Kit 600 - Low GWP	Coverage: 600 Board Feet	**2099.00**
—	**G95-196**	7565021050	Foam Kit 200 - Low GWP	Coverage: 200 Board Feet	**939.00**
A	**G81-083**	7565021045	Foam Kit 110 - Low GWP	Coverage: 110 Board Feet	**619.00**
B	**G38-178**	7565070240	Applicator	Replacement Applicator Gun For All Foam Kits	**109.00**
C	**G38-179**	7565029930	Nozzle Kit	25 Conical Replacement Nozzles	**85.00**
—	**G38-375**	7565029940	Nozzle Kit	25 Fan Spray Replacement Nozzles	**85.00**

Machine Duct Foam System

- Offers the convenience of foam kits with higher output and efficiency
- Application rate is adjustable and consistent
- Self-contained and does not require any additional equipment
- Disposable cylinders are easy to handle and change
- Uses **G38-179** replacement nozzles and **G38-178** replacement applicator
- Includes: 100' hose, foam applicator, on/off valves, 2 replacement check valves, fan and conical nozzle kits, extra foam applicator, protective cover, forced air heating unit, extra pressure supply hoses, 9/16 and adjustable wrenches and operation/video



Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Application	Each
G95-185	7565000150	CPDS Machine	Constant Pressure Dispensing System	**8499.00**
G95-197	7565021056	Foam Kit CP750 - Low GWP	For Use With CPDS Machine. Coverage: 750 Board Feet	**2545.00**
G81-079	7565050418	Hose Kit	Replacement Applicator, 100' Hose, w/Shutoff and Filter	**1145.00**

DAP ON THE JOB SINCE 1865.

Touch'n Seal® Accessories

◀ NEW



A B C D E F G

Hazardous Material Shipping Alert

Fig.	Order #	Mfg. #	Description	Size	Application	Color	Each
A	**G81-066**	7565000057	Quick Cure	12 Oz.	Residential Foam With Reusable Applicator Straw	Off-White	**14.99**
A	**G81-165** ◀	7565000058	Quick Cure	24 Oz.	Residential Foam With Reusable Applicator Straw	Off-White	**27.49**
B	**G81-067**	7565012005	Poly-Clean Foam Cleaner	12 Oz.	Polyurethane Foam Cleaner	Clear	**21.99**
C	**G81-068**	7565010030	Fireblock	12 Oz.	Flame Resistant Foam Sealant With Reusable Applicator Straw	Orange	**19.49**
D	**G81-069**	7565000121	Fireblock Gun Foam II	24 Oz.	Type V Residential Fire Block	Orange	**24.49**
E	**G81-166** ◀	7565000044	All Seasons Gun Foam	24 Oz.	Type V Residential Fire Block For Use At Tempeatues As Low As 20°F	White	**22.49**
F	**G81-167** ◀	7565029712	No-Warp Gun Foam	24 Oz.	Window And Door Air Sealing And Fire Block	White	**22.49**
G	**G38-398**	7565070234	Sharpshooter XP Applicator	—	Applicator For Fire Block Foam And Foam Cleaner	—	**125.00**

3M

615+ Fire Barrier Duct Wrap

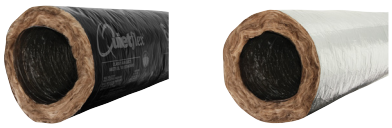


- Lightweight & thin for easy application
- 2 hour fire protection
- Third party certified to ASTM E2336 (grease ducts test standard) and ISO 6944 (air duct test standard)
- Supports maximum temperatures of up to 2192°F
- Apply in 2 layers for grease ducts
- Apply in 1 layer for air ducts

Order #	Dimensions
R94-641	1" x 24" x 25'

Quietflex

Insulated Flex Duct



- For heating, air conditioning and ventilation
- 25' bags
- Class 1 flexible air duct

Order #	Size	R Value	Jacket
R94-422	4"	4.2	Black Poly
R94-423	5"	4.2	Black Poly
R94-424	6"	4.2	Black Poly
R94-425	7"	4.2	Black Poly
R94-426	8"	4.2	Black Poly
R94-427	9"	4.2	Black Poly
R94-428	10"	4.2	Black Poly
R94-429	12"	4.2	Black Poly
R94-430	14"	4.2	Black Poly
R94-431	16"	4.2	Black Poly
R94-432	18"	4.2	Black Poly
R94-433	20"	4.2	Black Poly
R94-434	4"	4.2	Metalized
R94-435	5"	4.2	Metalized
R94-436	6"	4.2	Metalized
R94-437	7"	4.2	Metalized
R94-438	8"	4.2	Metalized
R94-439	9"	4.2	Metalized
R94-440	10"	4.2	Metalized
R94-441	12"	4.2	Metalized
R94-442	14"	4.2	Metalized
R94-443	16"	4.2	Metalized
R94-444	18"	4.2	Metalized
R94-445	20"	4.2	Metalized

Order #	Size	R Value	Jacket
R94-446	4"	6.0	Black Poly
R94-447	5"	6.0	Black Poly
R94-448	6"	6.0	Black Poly
R94-449	7"	6.0	Black Poly
R94-450	8"	6.0	Black Poly
R94-451	9"	6.0	Black Poly
R94-452	10"	6.0	Black Poly
R94-453	12"	6.0	Black Poly
R94-454	14"	6.0	Black Poly
R94-455	16"	6.0	Black Poly
R94-456	18"	6.0	Black Poly
R94-457	20"	6.0	Black Poly
R94-458	4"	6.0	Metalized
R94-459	5"	6.0	Metalized
R94-460	6"	6.0	Metalized
R94-461	7"	6.0	Metalized
R94-462	8"	6.0	Metalized
R94-463	9"	6.0	Metalized
R94-464	10"	6.0	Metalized
R94-465	12"	6.0	Metalized
R94-466	14"	6.0	Metalized
R94-467	16"	6.0	Metalized
R94-468	18"	6.0	Metalized
R94-469	20"	6.0	Metalized

Order #	Size	R Value	Jacket
R94-470	4"	8.0	Black Poly
R94-471	5"	8.0	Black Poly
R94-472	6"	8.0	Black Poly
R94-473	7"	8.0	Black Poly
R94-474	8"	8.0	Black Poly
R94-475	9"	8.0	Black Poly
R94-476	10"	8.0	Black Poly
R94-477	12"	8.0	Black Poly
R94-478	14"	8.0	Black Poly
R94-479	16"	8.0	Black Poly
R94-480	18"	8.0	Black Poly
R94-481	20"	8.0	Black Poly
R94-482	4"	8.0	Metalized
R94-483	5"	8.0	Metalized
R94-484	6"	8.0	Metalized
R94-485	7"	8.0	Metalized
R94-486	8"	8.0	Metalized
R94-487	9"	8.0	Metalized
R94-488	10"	8.0	Metalized
R94-489	12"	8.0	Metalized
R94-490	14"	8.0	Metalized
R94-491	16"	8.0	Metalized
R94-492	18"	8.0	Metalized
R94-493	20"	8.0	Metalized

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AmgFlex™ Duct

- Agion® antimicrobial coating prevents spread of various bacteria, fungi, mold and mildew
- GREENGUARD® certified
- Special blue jacket
- 25' length



Order #	Size	R Value	Jacket
R94-580	3"	6.0	Blue
R94-581	4"	6.0	Blue
R94-582	5"	6.0	Blue
R94-583	6"	6.0	Blue
R94-584	7"	6.0	Blue
R94-585	8"	6.0	Blue
R94-586	9"	6.0	Blue
R94-587	10"	6.0	Blue
R94-588	12"	6.0	Blue

Order #	Size	R Value	Jacket
R94-589	14"	6.0	Blue
R94-590	16"	6.0	Blue
R94-591	18"	6.0	Blue
R94-592	20"	6.0	Blue
R94-593	3"	8.0	Blue
R94-594	4"	8.0	Blue
R94-595	5"	8.0	Blue
R94-596	6"	8.0	Blue
R94-597	7"	8.0	Blue

Order #	Size	R Value	Jacket
R94-598	8"	8.0	Blue
R94-599	9"	8.0	Blue
R94-600	10"	8.0	Blue
R94-601	12"	8.0	Blue
R94-602	14"	8.0	Blue
R94-603	16"	8.0	Blue
R94-604	18"	8.0	Blue
R94-605	20"	8.0	Blue

Mobile Home Flex Duct

- Extra heavy-duty
- UV inhibited polyethylene vapor barrier and complies with HUD standards for outdoor use
- 25' length



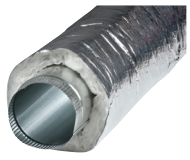
Order #	Size	R Value	Jacket
R94-500	12"	4.2	Black Poly
R94-501	14"	4.2	Black Poly
R94-573	6"	6.0	Black Poly

Order #	Size	R Value	Jacket
R94-574	8"	6.0	Black Poly
R94-575	10"	6.0	Black Poly
R94-576	12"	6.0	Black Poly

Order #	Size	R Value	Jacket
R94-577	14"	6.0	Black Poly
R94-578	16"	6.0	Black Poly
R94-579	18"	6.0	Black Poly

Insulated Sleeves

- 5' length
- For insulating hard pipe runs





Order #	Size	R Value	Jacket
R94-515	4"	4.2	Black Poly
R94-516	5"	4.2	Black Poly
R94-517	6"	4.2	Black Poly
R94-518	7"	4.2	Black Poly
R94-519	8"	4.2	Black Poly
R94-520	9"	4.2	Black Poly
R94-521	10"	4.2	Black Poly
R94-522	12"	4.2	Black Poly
R94-523	14"	4.2	Black Poly
R94-524	16"	4.2	Black Poly
R94-525	4"	4.2	Metalized
R94-526	5"	4.2	Metalized
R94-527	6"	4.2	Metalized
R94-528	7"	4.2	Metalized
R94-529	8"	4.2	Metalized
R94-530	9"	4.2	Metalized
R94-531	10"	4.2	Metalized

Order #	Size	R Value	Jacket
R94-532	12"	4.2	Metalized
R94-533	14"	4.2	Metalized
R94-534	16"	4.2	Metalized
R94-535	4"	6.0	Black Poly
R94-536	5"	6.0	Black Poly
R94-537	6"	6.0	Black Poly
R94-538	7"	6.0	Black Poly
R94-539	8"	6.0	Black Poly
R94-540	9"	6.0	Black Poly
R94-541	10"	6.0	Black Poly
R94-542	12"	6.0	Black Poly
R94-543	14"	6.0	Black Poly
R94-544	16"	6.0	Black Poly
R94-545	4"	6.0	Metalized
R94-546	5"	6.0	Metalized
R94-547	6"	6.0	Metalized
R94-548	7"	6.0	Metalized

Order #	Size	R Value	Jacket
R94-549	8"	6.0	Metalized
R94-550	9"	6.0	Metalized
R94-551	10"	6.0	Metalized
R94-552	12"	6.0	Metalized
R94-553	14"	6.0	Metalized
R94-554	16"	6.0	Metalized
R94-555	4"	8.0	Metalized
R94-556	5"	8.0	Metalized
R94-557	6"	8.0	Metalized
R94-558	7"	8.0	Metalized
R94-559	8"	8.0	Metalized
R94-560	9"	8.0	Metalized
R94-561	10"	8.0	Metalized
R94-562	12"	8.0	Metalized
R94-563	14"	8.0	Metalized
R94-564	16"	8.0	Metalized

Uninsulated Flex Duct

- Metalized
- Class 1 air connector
- 25' length



Order #	Size
R94-502	3"
R94-503	4"
R94-504	5"
R94-505	6"
R94-506	7"

Order #	Size
R94-507	8"
R94-508	9"
R94-509	10"
R94-510	12"
R94-511	14"

Order #	Size
R94-512	16"
R94-513	18'
R94-514	20"

Insulated Flex Duct - Eastern



- For heating, air conditioning and ventilation
- Features 3/8" oversized inner core made of polyester film
- 25' lengths packed in short 21" box for easy handling
- Other types available by special order
- **R94-214** is for indoor or outdoor use on manufactured homes
- **R94-214** and **R94-498** are for manufactured homes

Order #	Size	R Value	Jacket
R94-101	4"	4.2	Grey
R94-112	5"	4.2	Grey
R94-102	6"	4.2	Grey
R94-113	7"	4.2	Grey
R94-114	8"	4.2	Grey
R94-115	9"	4.2	Grey
R94-116	10"	4.2	Grey
R94-117	12"	4.2	Grey
R94-118	14"	4.2	Grey
R94-120	16"	4.2	Grey
R94-405	18"	4.2	Grey
R94-406	20"	4.2	Grey
R94-203	4"	4.2	Silver
R94-204	5"	4.2	Silver
R94-205	6"	4.2	Silver
R94-206	7"	4.2	Silver
R94-207	8"	4.2	Silver
R94-208	9"	4.2	Silver
R94-209	10"	4.2	Silver
R94-210	12"	4.2	Silver
R94-211	14"	4.2	Silver
R94-212	16"	4.2	Silver
R94-213	18"	4.2	Silver
R94-407	20"	4.2	Silver

Order #	Size	R Value	Jacket
R94-183	4"	6.0	Grey
R94-184	5"	6.0	Grey
R94-185	6"	6.0	Grey
R94-186	7"	6.0	Grey
R94-187	8"	6.0	Grey
R94-188	9"	6.0	Grey
R94-189	10"	6.0	Grey
R94-190	12"	6.0	Grey
R94-191	14"	6.0	Grey
R94-192	16"	6.0	Grey
R94-408	18"	6.0	Grey
R94-409	20"	6.0	Grey
R94-135	4"	6.0	Silver
R94-136	5"	6.0	Silver
R94-137	6"	6.0	Silver
R94-138	7"	6.0	Silver
R94-139	8"	6.0	Silver
R94-140	9"	6.0	Silver
R94-141	10"	6.0	Silver
R94-142	12"	6.0	Silver
R94-143	14"	6.0	Silver
R94-144	16"	6.0	Silver
R94-410	18"	6.0	Silver
R94-411	20"	6.0	Silver

Order #	Size	R Value	Jacket
R94-193	4"	8.0	Grey
R94-194	5"	8.0	Grey
R94-195	6"	8.0	Grey
R94-196	7"	8.0	Grey
R94-197	8"	8.0	Grey
R94-198	9"	8.0	Grey
R94-199	10"	8.0	Grey
R94-200	12"	8.0	Grey
R94-201	14"	8.0	Grey
R94-202	16"	8.0	Grey
R94-412	18"	8.0	Grey
R94-413	20"	8.0	Grey
R94-363	4"	8.0	Silver
R94-364	5"	8.0	Silver
R94-365	6"	8.0	Silver
R94-366	7"	8.0	Silver
R94-367	8"	8.0	Silver
R94-368	9"	8.0	Silver
R94-369	10"	8.0	Silver
R94-370	12"	8.0	Silver
R94-371	14"	8.0	Silver
R94-372	16"	8.0	Silver
R94-414	18"	8.0	Silver
R94-415	20"	8.0	Silver

Insulated Flex Duct - Western

NEW



- For heating, air conditioning and ventilation
- Features 3/8" oversized inner core made of polyester film
- 25' lengths packed in bags for easy handling
- Other types available by special order
- Western States are AZ, CA, CO, HI, ID, MT, NM, NV, OR, UT, WA and WY

Order #	Size	R Value	Jacket
R94-841	4"	6.0	Silver - Bagged
R94-842	5"	6.0	Silver - Bagged
R94-843	6"	6.0	Silver - Bagged
R94-844	7"	6.0	Silver - Bagged
R94-845	8"	6.0	Silver - Bagged
R94-846	9"	6.0	Silver - Bagged
R94-847	10"	6.0	Silver - Bagged
R94-848	12"	6.0	Silver - Bagged

Order #	Size	R Value	Jacket
R94-849	14"	6.0	Silver - Bagged
R94-850	16"	6.0	Silver - Bagged
R94-851	18"	6.0	Silver - Bagged
R94-852	20"	6.0	Silver - Boxed
R94-799	4"	8.0	Silver - Bagged
R94-800	5"	8.0	Silver - Bagged
R94-801	6"	8.0	Silver - Bagged
R94-802	7"	8.0	Silver - Bagged

Order #	Size	R Value	Jacket
R94-803	8"	8.0	Silver - Bagged
R94-804	9"	8.0	Silver - Bagged
R94-805	10"	8.0	Silver - Bagged
R94-806	12"	8.0	Silver - Bagged
R94-807	14"	8.0	Silver - Bagged
R94-808	16"	8.0	Silver - Bagged
R94-809	18"	8.0	Silver - Bagged

Dyna-Tite Starter Kit



- Fast and secure installation of hanging ductwork and equipment
- Reduces install time by up to 6 times compared to threaded rod
- Includes 500' roll of WC3-CL12 wire rope, 100 CL12-WC3 cable locks, cable counter lid, cable cutter and bucket

Order #	Mfg. #	Each
R94-779	CL12WC3SK	**1745.00**

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Dyna-Tite Cable Locks

- Locks easily adjust with stainless steel release pin, no tools required
- Use only with Dyna-Tite Wire Rope to ensure maximum safety and integrity of the installation
- KV Bracket Assembly allows for quick fastening to rectangular ductwork with sheet metal screws



Order #	Mfg. #	Description	Each
R58-891	CL6/KL75	Cable Lock for CL6/KL75 Wire Rope (10-Pk.)	**95.00**
R58-892	CL12/KL100	Cable Lock for CL12/KL100 Wire Rope (10-Pk.)	**95.00**
R88-070	CL18/KL150	Cable Lock for CL18/KL150 Wire Rope (10-Pk.)	**145.00**
R88-071	CL23/KL200	Cable Lock for CL23/KL200 Wire Rope (10-Pk.)	**205.00**
R88-072	KV12-WC3	Cable Lock w/Bracket for WC3-CL12 Wire Rope (10-Pk.)	**115.00**

Dyna-Tite Wire Rope

- Aviation-grade galvanized wire rope for fast and secure installation of hanging ductwork and equipment
- Use with Dyna-Tite Cable Locks to ensure maximum safety and integrity of the installation
- 500' spool (WC6-CL23 is 250-foot)



Order #	Mfg. #	Description	Each
R58-893	WC2-CL6	Wire Rope for CL6-WC2 Cable Lock (10 to 75 lbs.)	**405.00**
R58-894	WC3-CL12	Wire Rope for CL12-WC3 Cable Lock (25 to 150 lbs.)	**435.00**
R88-073	WC4-CL18	Wire Rope for CL18-WC4 Cable Lock (25 to 250 lbs.)	**485.00**
R58-895	WC6-CL23	Wire Rope for CL23-WC6 Cable Lock (50 to 640 lbs.)	**629.00**

Strut Kit Assembly

NEW

- For suspending ducts, cable trays, unit heaters, air handlers, and more
- Supports up to 600 lbs. and units up to 32" width
- No cutting required
- Threaded release cylinder allows for quick height adjustments
- Vibration padding reduces noise level
- Includes strut and strut lock
- **R88-202** and **R88-203** include threaded stud and dual hanger
- **R88-204** and **R88-205** include eyelet cable and wood screw



Order #	Mfg. #	Size	Each
R88-202	32058	10 ft.	**329.00**
R88-203	32059	15 ft.	**339.00**
R88-204	32054	10 ft.	**315.00**
R88-205	32055	15 ft.	**319.00**

Dyna-Tite End Fixings and Accessories

Order #	Mfg. #	Description	Each
R88-074	LC10WC3	Loop w/10-Foot WC3-CL12 Wire Rope (10-Pk.)	**139.00**
R88-078	LC12K10WC3/CL12	Loop w/10-Foot WC3-CL12 Wire Rope and Cable Lock (10-Pk.)	**229.00**
R88-076	SH10WC3	Snap Hook w/10-Foot WC3-CL12 Wire Rope (10-Pk.)	**215.00**
R88-077	SDSA3810WC4	3/8" Dyna-Stud w/10-Foot WC4-CL18 Wire Rope (10-Pk.)	**355.00**
R88-075	9014-10WC3	1/4" Eyelet w/90-Deg. Bend and 10-Foot WC3-CL12 Cable (10-Pk.)	**145.00**
R88-079	9014K10WC3/CL12	1/4" Eyelet w/90-Deg. Bend and 10-Foot WC3-CL12 Cable and Cable Lock (10-Pk.)	**259.00**
R88-080	9038K10WC3/CL12	3/8" Eyelet w/90-Deg. Bend and 10-Foot WC3-CL12 Cable and Cable Lock (10-Pk.)	**259.00**
R58-896	DDG3W	3/8"-16 x 2-1/2" Eye Bolt and Nut	**13.99**
R58-897	DSB1	Spiral Buckle	**6.75**
R58-902	MDB12	1/2"Multi-Duct L Bracket (100-Pk.)	**79.00**

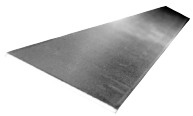
Metallic Duct Strap

- Galvanized duct strap in convenient cardboard dispenser
- Solid strapping is easy to drill or nail



Order #	Mfg. #	Size	Gauge	Each
R54-945	710-001	1" x 100'	26	**69.00**
R56-114	710-004	1-1/2" x 100'	26	**89.00**
R56-115	710-002	1" x 100'	30	**59.00**
R56-116	710-003	1-1/2" x 100'	30	**69.00**

Flat Hanging Strap



- Galvanized steel hanging strap
- Sold in pre-cut lengths

Order #	Mfg. #	Description	Each
R94-780	HS2410	1" Flat Hanging Strap 10-Foot (24-Gauge)	**179.00**
R94-781	HS1806	1" Flat Hanging Strap 6-Foot (18-Gauge)	**105.00**
R94-782	HS1810	1" Flat Hanging Strap 10-Foot (18-Gauge)	**245.00**

Woven Polypropylene Duct Strap



- High tensile and abrasion resistant
- Chemical resistant
- Easy to cut and staple flex duct to joists
- Listed to spec 2040

Order #	Mfg. #	Size	Color	Each
R54-946	710-100	1-3/4" x 100 Yds.	Black	**20.49**
R56-126	710-101	1-3/4" x 100 Yds.	Silver	**22.99**
R58-790	710-104	1-3/4" x 100 Yds. Plenum Rated	Black	**31.49**
R58-791	710-105	1-3/4" x 100 Yds. Plenum Rated	Silver	**30.49**
R58-796	710-102	3" x 100 Yds.	Black	**55.00**
R58-793	710-103	3" x 100 Yds.	Silver	**79.00**

Flex Duct Hanging Strap



- Lightweight and high tensile strength design
- Waterproof, grease, oil and acid resistant

Order #	Mfg. #	Description	Each
R88-087	NS300	Woven Polypropylene Nova Strap 1-3/4" x 300-Foot Roll	**29.99**
R88-088	VDS200C	Vinyl Duro Strap 1-1/2" x 200-Foot Roll	**109.00**

Plastic Hanger Duct Strap



- 3/4" wide x 1/20" thick x 100'
- Flexible, non-conductive
- Load tested to 120 lbs.

Order #	Mfg. #	Each
R87-600	710P100	**41.49**

Perforated Plastic Duct Strap

- UV resistant plastic hanging strap
- 100' roll

Order #	Mfg. #	Description	Each
R88-089	PPF34-100	3/4" Perforated Plastic Duct Strap	**49.49**

Perforated Duct Strap



- 1/4" and 9/64" holes
- 3/4" wide
- 24 gauge

Order #	Mfg. #	Description	Size	Each
R56-131	DS25-6-24G	Galvanized	25'	**8.49**
R56-096	DS50-1-24G	Galvanized	50'	**18.99**
R56-097	DS100-1-24G	Galvanized	100'	**33.49**
R58-098	DS25-6-24C	Copper	25'	**16.49**

Perforated Duct Strap



- Galvanized steel hanging strap
- 100' rolls in convenient cardboard packaging

Order #	Mfg. #	Description	Each
R58-907	PGS2434-100	3/4"Perforated/Scalloped Duct Strap (24-Gauge)	**105.00**
R58-908	PGS261-100	1" Perforated Duct Strap (26-Gauge)	**115.00**
R58-909	PGS281-100	1" Perforated Duct Strap (28-Gauge)	**109.00**

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Button-Lok

- Hanger strap
- Install nail or screw through large hole and pull down to lock the strap in place
- 1" holes



Order #	Mfg. #	Description	Each
R56-129	10100	1" x 100'	**75.00**
R56-130	10200	2" x 100'	**139.00**

Thermo-Saddles™

- Eliminates pinching and compression of insulation, providing greater R-value and increased airflow
- One size fits all — use individually or link together for larger diameter duct



Order #	Mfg. #	Description	Each
R87-714	10101	6" to 14"	**2.05**

Flexible Duct Support

- Prevents kinked or restricted flex duct connections
- Supports 90° elbow for flexible duct
- Fits 4" to 16" flex duct
- Uses 36 and 48 inch nylon ties



Order #	Mfg. #	Each
R56-271	FDS1	**12.49**

Hanging Wire

- 18 gauge galvanized on reel
- 830'



Order #	Mfg. #	Each
R55-850	710-185G	**85.00**

Basset Brackets

- Galvanized
- Extends to fit between joists

Fig.	Order #	Mfg. #	Description	Size	Carton Qty.	Each	25 Lot
A	**R55-844**	A-125	Self Nailing	12" to 19"	25	**3.29**	**2.95**
B	**R55-845**	AT-125	Screw Tab	12" to 19"	25	**3.55**	**3.19**
B	**R55-846**	ATS-125	Screw Tab w/Screw	12" to 19"	25	**3.99**	**3.59**
A	**R55-847**	E-125G	Self Nailing	19" to 26"	25	**2.89**	**2.59**
B	**R55-848**	ET-125G	Screw Tab	19" to 26"	25	**2.99**	**2.69**
B	**R55-849**	ETS-125G	Screw Tab w/Screw	19" to 26"	25	**3.25**	**2.95**



A



B

Rapit® Duct Support Hangers

- Expandable duct support hanger with tabbed and pointed options
- 26/28 gauge steel to support high load rating
- Pre-drilled mounting hole to immobilize and secure bracket to duct



Order #	Mfg. #	Description	Each
R88-081	RPH19	Point Duct Support Hanger Expandable 11"to 19"	**3.55**
R88-082	RPH33	Point Duct Support Hanger Expandable 18"to 33"	**5.29**
R88-083	RTH19	Tabbed Duct Support Hanger Expandable 11"to 19"	**3.45**
R88-084	RTH33	Tabbed Duct Support Hanger Expandable 18"to 33"	**4.49**
R88-085	RTHS19	Tabbed Duct Support Hanger w/Screw Expandable 11"to 19"	**4.05**
R88-086	RTHS33	Tabbed Duct Support Hanger w/Screw Expandable 18"to 33"	**5.95**

DURO DYNE



Z Brackets

- 18 gauge galvanized steel
- 3/4" wide with central slot for adjustment before final attachment
- Rounded safety corners

Order #	Mfg. #	Description	Each
R58-903	ZB8	8" Z Bracket	**1.45**
R58-904	ZB9	9" Z Bracket	**1.65**
R58-905	ZB10	10" Z Bracket	**2.09**
R58-906	ZB11	11" Z Bracket	**2.19**

C&S manufacturing



Square Duct Hangers and Strap

- Galvanized
- For square ducts running below joists

Order #	Mfg. #	Size	Carton Qty.	Each	100 Lot
R56-092	BH-8	8"	100	**1.25**	**1.15**
R56-093	BH-9	9"	100	**1.45**	**1.29**
R56-094	BH-10	10"	100	**1.29**	**1.19**
R58-391	BH-11	11"	50	**1.89**	**1.69**
R56-095	DS-3	—	100	**0.82**	**0.73**

Reflectix Inc.



A



B



C

Reflective Insulation

- For wrapping rectangular or round ducts, and insulating attics, crawl spaces and radiant floors
- Two outer layers of aluminum foil bonded to polyethylene for strength
- Two inner layers of insulating bubbles resist conductive heat flow
- Reflects 97% of radiant heat
- Nontoxic/noncarcinogenic
- No need for protective clothing or respirators
- Easy to install
- Class A/Class 1 fire rated
- **R94-252** is a coated foil concrete pad for installation under concrete in radiant heating and snowmelt applications
- **R94-753** is Big Bubble R8.0

Fig.	Order #	Mfg. #	Description	Dimensions	Each
A	**R94-754**	HVBP36100	Standard Edge Insulation	36" x 100'	**429.00**
A	**R94-755**	HVBP48050	Standard Edge Insulation	48" x 50'	**285.00**
A	**R94-247**	HVBP48100	Standard Edge Insulation	48" x 100'	**569.00**
A	**R94-823**	HVBP60100	Standard Edge Insulation	60" x 100'	**785.00**
—	**R94-753**	HVBB48075	Big Bubble Insulation	48" x 75'	**795.00**
B	**R94-248**	HVST1605003	Staple Tab Insulation	16" x 50'	**109.00**
B	**R94-249**	HVST2405002	Staple Tab Insulation	24" x 50'	**165.00**
B	**R94-250**	HVST1610003	Staple Tab Insulation	16" x 100'	**215.00**
B	**R94-251**	HVST2410002	Staple Tab Insulation	24" x 100'	**319.00**
C	**R94-252**	DBWEF48125	Concrete Slab Insulation	48" x 125'	**809.00**

Reflectix Inc.



A



B

Reflective Insulation Installation Supplies

- Used as a spacer to create an air gap between duct and insulation
- **R55-711** creates 3/4" air gap
- **R55-710** creates 5/16" air gap

Fig.	Order #	Mfg. #	Description	Dimensions	Each
A	**R55-710**	HVSP0202506	Wrap Insulation Spacer	2" x 25'	**6.15**
B	**R55-711**	HVSPACER	Corner Insulation Spacer	—	**105.00**

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B-Vent Lengths

- Inner and outer pipe curled together as an integral unit
- Unique locking band provides 360° turning radius of the pipe and fittings
- Galvanized outer pipe and aluminum inner pipe providing protection against corrosion and external damage



Order #	Mfg. #	Size	Length
L89-674	3RP6	3"	1/2'
L88-122	3RP12	3"	1'
L89-852	3RP18	3"	1-1/2'
L88-121	3RP24	3"	2'
L96-345	3RP3	3"	3'
L96-344	3RP4	3"	4'
L96-366	3RP5	3"	5'
L89-853	4RPX6	4"	1/2'
L88-124	4RPX12	4"	1'
L89-854	4RPX18	4"	1-1/2'
L88-123	4RPX24	4"	2'
L96-348	4RPX3	4"	3'
L96-347	4RPX4	4"	4'
L96-346	4RPX5	4"	5'
L89-855	5RP6	5"	1/2'
L88-126	5RP12	5"	1'
L89-856	5RP18	5"	1-1/2'
L88-125	5RP24	5"	2'
L96-351	5RP3	5"	3'
L96-350	5RP4	5"	4'
L96-349	5RP5	5"	5'
L89-857	6RP6	6"	1/2'
L88-128	6RP12	6"	1'

Order #	Mfg. #	Size	Length
L89-858	6RP18	6"	1-1/2'
L88-127	6RP24	6"	2'
L96-354	6RP3	6"	3'
L96-353	6RP4	6"	4'
L96-352	6RP5	6"	5'
L88-415	7RP12	7"	1'
L88-414	7RP24	7"	2'
L96-910	7RP3	7"	3'
L96-909	7RP4	7"	4'
L96-908	7RP5	7"	5'
L88-413	8RP12	8"	1'
L96-907	8RP18	8"	1-1/2'
L96-906	8RP24	8"	2'
L96-905	8RP3	8"	3'
L96-904	8RP4	8"	4'
L96-903	8RP5	8"	5'
L88-417	10RP18	10"	1-1/2'
L88-416	10RP24	10"	2'
L96-911	10RP3	10"	3'
L96-913	12RP24	12"	2'
L96-912	12RP3	12"	3'
L96-914	14RP3	14"	3'
L88-418	16RP3	16"	3'

B-Vent Adjustable Lengths



Order #	Mfg. #	Size	Length
L88-129	3RPA	3"	1'
L88-130	4RPA	4"	1'
L88-131	5RPA	5"	1'

Order #	Mfg. #	Size	Length
L88-132	6RPA	6"	1'
L88-532	8RPA	8"	1-1/2'
L88-533	10RPA	10"	1-1/2'

B-Vent Flexible Lengths

Order #	Mfg. #	Size	Length
Single Wall			
L89-016	3SFC12	3"	1'
L89-017	3SFC24	3"	2'
L89-018	3SFC3	3"	3'
L98-204	3SFC4	3"	4'
L98-205	3SFC5	3"	5'
L89-019	4SFC12	4"	1'
L89-020	4SFC24	4"	2'
L89-021	4SFC3	4"	3'
L98-206	4SFC4	4"	4'

Order #	Mfg. #	Size	Length
L98-207	4SFC5	4"	5'
Double Wall			
L89-022	3DFC24	3"	2'
L89-023	3DFC3	3"	3'
L98-208	3DFC4	3"	4'
L98-209	3DFC5	3"	5'
L89-024	4DFC24	4"	2'
L89-025	4DFC3	4"	3'
L98-210	4DFC4	4"	4'
L98-211	4DFC5	4"	5'

B-Vent Adjustable Elbows

HART COOLEY



Order #	Mfg. #	Description	Size
L88-133	3REA90	90°	3"
L88-134	3REA60	60°	3"
L88-135	4REA90	90°	4"
L88-136	4REA60	60°	4"
L88-137	5RA90	90°	5"
L88-138	5REA60	60°	5"
L88-139	6REA90	90°	6"

Order #	Mfg. #	Description	Size
L88-140	6REA60	60°	6"
L88-419	7REA90	90°	7"
L88-420	7REA45	45°	7"
L96-915	8REA90	90°	8"
L88-421	8REA45	45°	8"
L88-422	10REA45	45°	10"
L88-423	12REA45	45°	12"

B-Vent 11"–12" Tall Cone Flashings

HART COOLEY

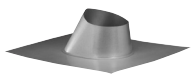


Order #	Mfg. #	Size
L89-859	3RTF	3"
L89-860	4RTF	4"
L89-861	5RTF	5"
L89-862	6RTF	6"

Order #	Mfg. #	Size
L88-536	7RTF	7"
L88-537	8RTF	8"
L96-920	10RTF	10"
L96-921	12RTF	12"

B-Vent Flashings

HART COOLEY



Order #	Mfg. #	Size	Pitch
L88-143	3RF	3"	Flat – 6/12
L88-144	3RFA	3"	6/12 – 12/12
L88-145	4RF	4"	Flat – 6/12
L88-146	4RFA	4"	6/12 – 12/12
L88-147	5RF	5"	Flat – 6/12
L88-259	5RFA	5"	6/12 – 12/12
L88-148	6RF	6"	Flat – 6/12

Order #	Mfg. #	Size	Pitch
L88-149	6RFA	6"	6/12 – 12/12
L88-424	7RF	7"	Flat – 6/12
L88-425	7RFA	7"	6/12 – 12/12
L88-426	8RF	8"	Flat – 6/12
L96-916	10RF	10"	Flat – 6/12
L96-917	12RF	12"	Flat – 6/12

B-Vent Storm Collars

HART COOLEY

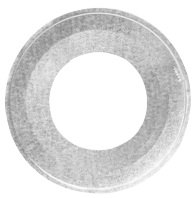


Order #	Mfg. #	Size
L88-250	3RS	3"
L88-251	4RS	4"
L88-252	5RS	5"
L88-253	6RS	6"

Order #	Mfg. #	Size
L88-430	7RS	7"
L88-431	8RS	8"
L88-432	10RS	10"
L88-433	12RS	12"

B-Vent Pipe Collars

HART COOLEY



Order #	Mfg. #	Size
L88-254	3RPC	3"
L88-255	4RPC	4"

Order #	Mfg. #	Size
L88-256	5RPC	5"
L88-257	6RPC	6"

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B-Vent Increasers



Order #	Mfg. #	Size
L88-150	3RN4	3" to 4"
L88-151	3RN5	3" to 5"
L89-863	3RN6	3" to 6"
L88-152	4RN5	4" to 5"
L89-864	4RN6	4" to 6"

Order #	Mfg. #	Size
L88-429	4RN7	4" to 7"
L88-153	5RN6	5" to 6"
L88-428	6RN7	6" to 7"
L88-427	6RN8	6" to 8"

B-Vent Wall Thimbles



Order #	Mfg. #	Size
L88-154	3RWT	3"
L89-865	4RWT	4"

Order #	Mfg. #	Size
L89-866	5RWT	5"
L89-867	6RWT	6"

B-Vent Tees



Order #	Mfg. #	Size
L88-155	4RT4	4" x 4" x 4"
L89-868	5RT4	5" x 5" x 4"
L88-156	5RT5	5" x 5" x 5"

Order #	Mfg. #	Size
L88-157	6RT6	6" x 6" x 6"
L88-411	7RT7	7" x 7" x 7"
L88-412	8RT8	8" x 8" x 8"

B-Vent Metal Caps



Order #	Mfg. #	Size
L88-258	3RHW	3"
L88-158	4RHW	4"
L88-159	5RHW	5"
L88-160	6RHW	6"

Order #	Mfg. #	Size
L88-534	7RHW	7"
L88-535	8RHW	8"
L96-918	10C	10"
L96-919	12C	12"

B-Vent High Wind Caps



Order #	Mfg. #	Size
L89-986	3RWW	3"
L89-987	4RWW	4"

Order #	Mfg. #	Size
L89-988	5RWW	5"
L89-989	6RWW	6"

B-Vent Wyes



Order #	Mfg. #	Size
L88-161	4RYF43	4" x 4" x 3"
L89-951	4RYF44	4" x 4" x 4"
L88-162	5RYF54	5" x 5" x 4"

Order #	Mfg. #	Size
L88-163	5RYF43	5" x 4" x 3"
L88-164	5RYF44	5" x 4" x 4"
L89-952	6RYF44	6" x 4" x 4"

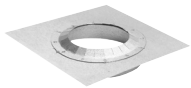
B-Vent Draft Hood Connectors



Order #	Mfg. #	Size
L88-141	3RDH	3"

Order #	Mfg. #	Size
L88-142	4RDH	4"

B-Vent Round - Miscellaneous



Order #	Mfg. #	Description	Size
L89-981	3RGS	Gripper Support	3"
L89-982	4RGS	Gripper Support	4"
L89-983	5RGS	Gripper Support	5"

Order #	Mfg. #	Description	Size
L89-984	6RGS	Gripper Support	6"
L89-985	8RGS	Gripper Support	8"

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B-Vent Lengths

- Listed and tested to UL 441
- Aluminum flue with galvanized casing
- Hemmed casing and flue
- Positive twist lock connection with SureLock tab standard on 3"-6"



Order #	Mfg. #	Size	Length
L89-651	3M6	3"	1/2'
L88-075	3M12	3"	1'
L89-652	3M18	3"	1-1/2'
L88-074	3M24	3"	2'
L96-274	3M3	3"	3'
L96-273	3M4	3"	4'
L96-272	3M5	3"	5'
L89-653	4M6	4"	1/2'
L88-087	4M12	4"	1'
L89-654	4M18	4"	1-1/2'
L88-086	4M24	4"	2'
L96-277	4M3	4"	3'
L96-276	4M4	4"	4'
L96-275	4M5	4"	5'
L89-655	5M6	5"	1/2'
L88-100	5M12	5"	1'
L89-656	5M18	5"	1-1/2'
L88-099	5M24	5"	2'
L96-280	5M3	5"	3'
L96-279	5M4	5"	4'
L96-278	5M5	5"	5'
L89-657	6M6	6"	1/2'
L88-111	6M12	6"	1'

Order #	Mfg. #	Size	Length
L89-658	6M18	6"	1-1/2'
L88-110	6M24	6"	2'
L96-307	6M3	6"	3'
L96-306	6M4	6"	4'
L96-305	6M5	6"	5'
L88-380	7M12	7"	1'
L88-379	7M24	7"	2'
L96-888	7M3	7"	3'
L96-887	7M4	7"	4'
L96-886	7M5	7"	5'
L88-355	8M12	8"	1'
L96-877	8M18	8"	1-1/2'
L96-876	8M24	8"	2'
L96-875	8M3	8"	3'
L96-874	8M4	8"	4'
L96-873	8M5	8"	5'
L88-382	10M18	10"	1-1/2'
L88-381	10M24	10"	2'
L96-889	10M3	10"	3'
L96-891	12M24	12"	2'
L96-890	12M3	12"	3'
L96-892	14M3	14"	3'
L88-383	16M3	16"	3'

B-Vent Adjustable Lengths

◀ NEW

- Adjusts from 3" to 8"
- 18" lengths adjust from 3" to 14"



Order #	Mfg. #	Size	Length
L89-659	3M6A	3"	1/2'
L88-076	3M12A	3"	1'
L89-979	3M18A	3"	1-1/2'
L89-660	4M6A	4"	1/2'
L88-088	4M12A	4"	1'
L89-661	4M18A	4"	1-1/2'
L56-001 ◀	5M6A	5"	1/2'
L88-101	5M12A	5"	1'
L56-002 ◀	6M6A	6"	1/2'

Order #	Mfg. #	Size	Length
L56-003 ◀	6M6AF	6"	1/2'
L88-112	6M12A	6"	1'
L56-004 ◀	7M6A	7"	1/2'
L56-005 ◀	7M12A	7"	1'
L56-006 ◀	7M18A	7"	1-1/2'
L96-872	8M18A	8"	1-1/2'
L56-007 ◀	10M12A	10"	1'
L88-372	10M18A	10"	1-1/2'

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- Technology to help you on the job
- Delivery options to get back on the road
- Training to keep you competitive

BETTER SERVICE & LOCAL SUPPORT WITH GLOBAL PARTNERS

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B-Vent Flexible Lengths

- For easy connection of an appliance to B-Vent

Order #	Mfg. #	Size	Length
Single Wall			
L89-029	MSWF0301	3"	1'
L89-030	MSWF0302	3"	2'
L89-031	MSWF0303	3"	3'
L98-252	MSWF0304	3"	4'
L98-253	MSWF0305	3"	5'
L89-032	MSWF0401	4"	1'
L89-033	MSWF0402	4"	2'
L89-034	MSWF0403	4"	3'
L98-254	MSWF0404	4"	4'
L98-255	MSWF0405	4"	5'
Double Wall			
L89-035	MDWF0302	3"	2'
L89-036	MDWF0303	3"	3'
L98-256	MDWF0304	3"	4'
L98-257	MDWF0305	3"	5'
L89-037	MDWF0402	4"	2'
L89-038	MDWF0403	4"	3'
L98-258	MDWF0404	4"	4'
L98-259	MDWF0405	4"	5'
L89-039	MDWF0502	5"	2'
L89-040	MDWF0503	5"	3'
L98-260	MDWF0504	5"	4'
L98-261	MDWF0505	5"	5'

B-Vent Adjustable Elbows

NEW

- Fully adjustable as indicated



Order #	Mfg. #	Description	Size
L88-077	3M90	90°	3"
L88-078	3M45/60	60°	3"
L88-089	4M90	90°	4"
L88-090	4M45/60	60°	4"
L88-102	5M90	90°	5"
L88-347	5M45/60	60°	5"
L88-113	6M90	90°	6"
L88-348	6M45/60	60°	6"
L88-360	7M90	90°	7"
L88-361	7M45/60	45°	7"
L96-878	8M90	90°	8"
L88-362	8M45/60	45°	8"
L56-013 ◀	10M90	90°	10"
L88-363	10M45	45°	10"
L88-531	12M45	45°	12"

B-Vent Tall Cone Flashings

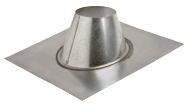
- For flat roofs



Order #	Mfg. #	Description	Size
L89-662	3MFT	7.5" Height	3"
L89-663	4MFT	7.5" Height	4"
L89-664	5MFT	8.25" Height	5"
L89-665	6MFT	9.5" Height	6"
L88-377	7MFT	11.0" Height	7"
L88-378	8MFT	12.0" Height	8"
L96-884	10MFT	14.63 Height	10"
L96-885	12MFT	16.63" Height	12"

B-Vent Adjustable Flashings

- Fits 2/12 to 5/12 roof pitches



Order #	Mfg. #	Size	Pitch
L88-081	3MF	3"	Flat – 5/12
L88-082	3MF-12	3"	5-1/2 – 12/12
L88-094	4MF	4"	Flat – 5/12
L88-095	4MF-12	4"	5/12 – 12/12
L88-104	5MF	5"	Flat – 5/12
L88-105	5MF-12	5"	5/12 – 12/12
L88-115	6MF	6"	Flat – 5/12
L88-116	6MF-12	6"	5/12 – 12/12
L88-375	7MF	7"	Flat – 6/12
L88-364	7MF-12	7"	6/12 – 12/12
L88-376	8MF	8"	Flat – 6/12
L96-882	10MF	10"	Flat – 6/12
L96-883	12MF	12"	Flat – 6/12

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B-Vent Storm Collars

- Aluminum flue with galvanized casing
- Hemmed casing and flue

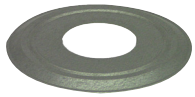


Order #	Mfg. #	Size
L88-083	3MSC	3"
L88-096	4MSC	4"
L88-106	5MSC	5"
L88-117	6MSC	6"

Order #	Mfg. #	Size
L88-368	7MSC	7"
L88-369	8MSC	8"
L88-370	10MSC	10"
L88-371	12MSC	12"

B-Vent Pipe Collars

- Listed and tested to UL 441
- Aluminum flue with galvanized casing
- Hemmed casing and flue



Order #	Mfg. #	Size
L88-084	3MVC	3"
L88-098	4MVC	4"

Order #	Mfg. #	Size
L88-109	5MVC	5"
L88-353	6MVC	6"

B-Vent Increasers

◀ NEW



Order #	Mfg. #	Size
L88-097	3MIN4	3" to 4"
L88-107	3MIX5	3" to 5"
L89-666	3MIX6	3" to 6"
L88-108	4MIN5	4" to 5"
L89-667	4MIX6	4" to 6"
L88-367	4MIX7	4" to 7"
L56-008 ◀	4MIX8	4" to 8"

Order #	Mfg. #	Size
L88-118	5MIN6	5" to 6"
L56-009 ◀	5MIX7	5" to 7"
L56-010 ◀	5MIX8	5" to 8"
L88-366	6MIX7	6" to 7"
L88-365	6MIX8	6" to 8"
L56-011 ◀	7MIX8	7" to 8"
L56-012 ◀	8MIX10	8" to 10"

B-Vent Partition Thimbles



Order #	Mfg. #	Size
L88-085	3MPT	3"
L89-668	4MPT	4"

Order #	Mfg. #	Size
L89-669	5MPT	5"
L89-670	6MPT	6"

B-Vent Tees

◀ NEW



Order #	Mfg. #	Size
L88-091	4M4ST4	4" x 4" x 4"
L89-671	5M4ST4	5" x 4" x 4"
L89-672	5M5ST4	5" x 5" x 4"
L88-103	5M5ST5	5" x 5" x 5"

Order #	Mfg. #	Size
L88-119	6M6ST6	6" x 6" x 6"
L88-356	7MT	7" x 7" x 7"
L88-357	8MT	8" x 8" x 8"
L56-014 ◀	10MT	10" x 10" x 10"

B-Vent Caps



Order #	Mfg. #	Size
L88-373	7MC	7"
L88-374	8MC	8"

Order #	Mfg. #	Size
L96-880	10MC	10"
L96-881	12MC	12"

B-Vent High Performance Caps



Order #	Mfg. #	Size
L88-080	3MCHP	3"
L88-093	4MCHP	4"

Order #	Mfg. #	Size
L96-281	5MCHP	5"
L88-114	6MCHP	6"

B-Vent Wyes



Order #	Mfg. #	Size
L88-349	4M4SY3	4" x 4" x 3"
L89-950	4M4SY4	4" x 4" x 4"
L88-350	5M5SY4	5" x 5" x 4"
L88-351	5M4SY3	5" x 4" x 3"

Order #	Mfg. #	Size
L88-352	5M4SY4	5" x 4" x 4"
L89-947	6M5SY4	6" x 5" x 4"
L89-673	6M6SY5	6" x 6" x 5"

B-Vent Drafthood Connectors

◀ NEW



Order #	Mfg. #	Size
L88-079	3MDC	3"
L88-092	4MDC	4"

Order #	Mfg. #	Size
L56-015 ◀	5MDC	5"

B-Vent Miscellaneous

Order #	Mfg. #	Description	Size
L81-142	4MFS	Round Firestop	4"
L81-143	4MH	Round Wall Band	4"

Order #	Mfg. #	Description	Size
L89-975	4MDC-CB	Easyout Drafthood Connector	4"
L89-976	3MDC4	Drafthood Increaser	3" to 4"

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B-Vent Oval Lengths



Order #	Mfg. #	Size	Length
L88-932	4MO6	4"	1/2'
L88-934	4MO12	4"	1'
L88-933	4MO18	4"	1-1/2'
L88-935	4MO24	4"	2'
L88-936	4MO3	4"	3'
L97-441	4MO4	4"	4'
L97-442	4MO5	4"	5'

Order #	Mfg. #	Size	Length
L88-938	5MO12	5"	1'
L88-937	5MO18	5"	1-1/2'
L88-939	5MO24	5"	2'
L88-940	5MO3	5"	3'
L97-443	5MO4	5"	4'
L97-444	5MO5	5"	5'
L88-942	6MO12	6"	1'

Order #	Mfg. #	Size	Length
L88-941	6MO18	6"	1-1/2'
L88-943	6MO24	6"	2'
L88-944	6MO3	6"	3'
L97-445	6MO4	6"	4'
L97-446	6MO5	6"	5'

B-Vent Oval Adjustable Lengths

- Adjust from 2" to 9"



Order #	Mfg. #	Size	Length
L88-945	4MO12A	4"	1'

Order #	Mfg. #	Size	Length
L88-946	5MO12A	5"	1'

Order #	Mfg. #	Size	Length
L88-947	6MO12A	6"	1'

B-Vent Oval 45° Fixed Angles

Fig.	Order #	Mfg. #	Description	Size
A	**L88-948**	4MO45S	Standard	4"
A	**L88-949**	5MO45S	Standard	5"
A	**L88-950**	6MO45S	Standard	6"
B	**L88-951**	4MO45F	Flat	4"
B	**L88-952**	5MO45F	Flat	5"
B	**L88-953**	6MO45F	Flat	6"



A



B

B-Vent Oval Adjustable Roof Flashings



Order #	Mfg. #	Size	Pitch
L88-954	4MOF	4"	Flat — 5/12
L88-955	5MOF	5"	Flat — 5/12

Order #	Mfg. #	Size	Pitch
L88-956	6MOF	6"	Flat — 5/12

B-Vent Oval Storm Collars



Order #	Mfg. #	Size	Length
L88-957	4MOSC	4"	10-1/4"
L88-958	5MOSC	5"	13-1/2"

Order #	Mfg. #	Size	Length
L88-959	6MOSC	6"	15"

B-Vent Oval Adapters



A



B

Fig.	Order #	Mfg. #	Description	Size
A	**L88-960**	4MOR	4" Oval to 4" Round	4"
B	**L88-961**	4MRO	4" Round to 4" Oval	4"
A	**L88-962**	5MOR	5" Oval to 5" Round	5"
B	**L88-963**	5MRO	5" Round to 5" Oval	5"
A	**L88-965**	6MOR5	6" Oval to 5" Round	5"
B	**L88-967**	6MRO5	6" Round to 5" Oval	5"
A	**L88-964**	6MOR6	6" Oval to 6" Round	6"
B	**L88-966**	6MRO6	6" Round to 6" Oval	6"

B-Vent Oval Tees, Tee Caps and Tee Supports



A



B



C

Fig.	Order #	Mfg. #	Description	Size
A	**L88-968**	4MOT	Standard Tee	4"
A	**L88-969**	4MOT3	Tee w/3" Round Branch	4"
A	**L88-970**	5MOT	Standard Tee	5"
A	**L88-971**	6MOT	Standard Tee	6"
B	**L88-972**	4MOTC	Tee Cap	4"
B	**L88-973**	5MOTC	Tee Cap	5"
B	**L88-974**	6MOTC	Tee Cap	6"
C	**L88-975**	4MOTS	Tee Support	4"
C	**L88-976**	5MOTS	Tee Support	5"
C	**L88-977**	6MOTS	Tee Support	6"

B-Vent Oval Vent Caps



Order #	Mfg. #	Size
L88-978	4MOC	4"
L88-979	5MOC	5"

Order #	Mfg. #	Size
L88-980	6MOC	6"

B-Vent Oval — Miscellaneous

Order #	Mfg. #	Description	Size
L89-970	4MOFS	4" Firestop Spacer	4"

Order #	Mfg. #	Description	Size
L89-971	5MOFS	5" Firestop Spacer	5"

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Single-Wall Stainless Steel Vent Pipe

Corr/Guard® Value

- CGV superferritic 444 stainless steel
- For use on natural gas or propane fired appliances listed for Categories II, III & IV
- Just click to connect; no tools required
- Seamless gold gasket
- Listed to UL 1738


A

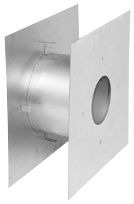

B


C


D


E


F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L

Fig.	Order #	Mfg. #	Description
Vent Pipe			
A	**L70-629**	3CGVSW6	1/2' X 3" Stainless Pipe
A	**L70-630**	3CGVSW12	1' X 3" Stainless Pipe
A	**L70-631**	3CGVSW18	1-1/2' X 3" Stainless Pipe
A	**L70-632**	3CGVSW24	2' X 3" Stainless Pipe
A	**L70-633**	3CGVSW36	3' X 3" Stainless Pipe
A	**L70-634**	4CGVSW6	1/2' X 4" Stainless Pipe
A	**L70-635**	4CGVSW12	1' X 4" Stainless Pipe
A	**L70-636**	4CGVSW18	1-1/2' X 4" Stainless Pipe
A	**L70-637**	4CGVSW24	2' X 4" Stainless Pipe
A	**L70-638**	4CGVSW36	3' X 4" Stainless Pipe
A	**L70-639**	3CGVSWVL22	3" Stainless Adj Length
A	**L70-640**	4CGVSWVL22	4" Stainless Adj Length
Fittings and Adapters			
B	**L70-641**	3CGVSW45L	3" 45 Stainless Stel Elbow
B	**L70-642**	4CGVSW45L	4" 45 Stainless Stel Elbow
C	**L70-643**	3CGVSW90L	3" 90 Stainless Stel Elbow
C	**L70-644**	4CGVSW90L	4" 90 Stainless Stel Elbow
D	**L70-645**	3CGVSWT	3" Stainless Steel Tee
D	**L70-646**	4CGVSWT	4' Stainless Steel Tee
E	**L70-647**	3CGVSWDS	3" Stainless Horz Drain Tee
E	**L70-648**	4CGVSWDS	4" Stainless Horz Drain Tee
F	**L70-649**	3CGVSWTTM	3" Stainless Tee W/Screen
F	**L70-650**	4CGVSWTTM	4" Stainless Tee W/Screen
G	**L70-651**	3CGVSWWPK	3" Stainless Wall Thimble
G	**L70-652**	4CGVSWWPK	4" Stainless Wall Thimble
H	**L70-653**	3CGVBA2	3" Stainless Appl Adapter
H	**L70-654**	4CGVIA2	4" Stainless Appl Adapter
I	**L70-655**	3CGVIA	3" Inside Appliance Adapter
J	**L70-656**	3CGVSWHTM	3" Stainless Term W/Screen
Termination Kits			
K	**L70-683**	4CGSWVVK	4" Vert Vent Kit
L	**L71-760**	3CGVSWLK-B	3" Horiz Unit Heater Kit
L	**L71-761**	4CGVSWLK-B	4" Horiz Unit Heater Kit

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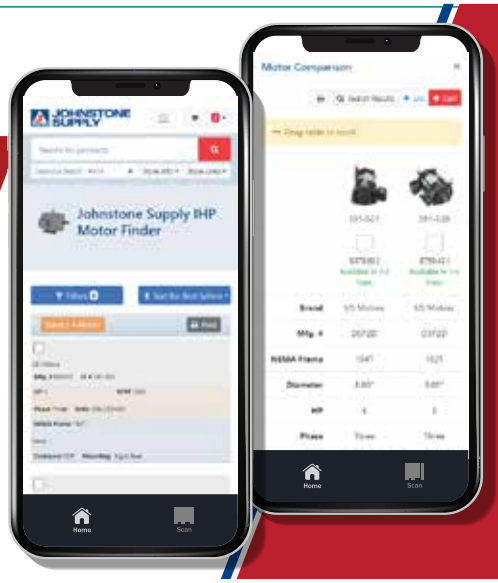

METAL-FAB INC.

Double-Wall Stainless Steel Vent Pipe

Corr/Guard® Value

- CGV superferritic 444 stainless steel
- For use on natural gas or propane fired appliances listed for Categories II, III & IV
- Just click to connect; no tools required
- Seamless gold gasket
- Listed to UL 1738


A


B


C


D


E


F

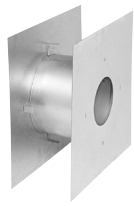
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Fig.	Order #	Mfg. #	Description
Vent Pipe			
A	**L70-657**	3CGV6	1/2' X 3" SS Pipe
A	**L70-658**	3CGV12	1' X 3" SS Pipe
A	**L70-659**	3CGV18	1-1/2' X 3" SS Pipe
A	**L70-660**	3CGV24	2' X 3" SS Pipe
A	**L70-661**	3CGV36	3' X 3" SS Pipe
A	**L70-662**	4CGV6	1/2' X 4" SS Pipe
A	**L70-663**	4CGV12	1' X 4" SS Pipe
A	**L70-664**	4CGV18	1-1/2' X 4" SS Pipe
A	**L70-665**	4CGV24	2' X 4" SS Pipe
A	**L70-666**	4CGV36	3' X 4" SS Pipe
A	**L70-667**	3CGVVL22	3" Adj Length
A	**L70-668**	4CGVVL22	4" Adj Length
Fittings and Adapters			
B	**L70-669**	3CGV45L	3" 45 Deg Elbow
B	**L70-670**	4CGV45L	4" 45 Deg Elbow
C	**L70-671**	3CGV90L	3" 90 Deg Elbow
C	**L70-672**	4CGV90L	4" 90 Deg Elbow
D	**L70-673**	3CGVT	3" SS Tee
D	**L70-674**	4CGVT	4' SS Tee
E	**L70-675**	3CGVTCN	3" Tee Cap
E	**L70-676**	4CGVTCN	4" Tee Cap
F	**L70-678**	4CGVTC	4" Tee Cap W/Drain
G	**L70-679**	3CGVWPK	3" Wall Thimble
G	**L70-680**	4CGVWPK	4" Wall Thimble
—	**L70-681**	3CGVCEC	3" Adapter
—	**L70-682**	4CGVCEC	4" Adapter

HART COOLEY

Female B-Vent Adapters

For Use with Flexible Chimney Liner Kits



- Aluminum liner with galvanized outer construction
- For use with Type B gas vent
- Attached with screws for added stability
- Matches size of chimney liner kits for easy installation

Order #	Mfg. #	Description	Size
L89-995	3RLA	Female Adapter	3"
L88-263	4RLA	Female Adapter	4"
L88-264	5RLA	Female Adapter	5"
L88-265	6RLA	Female Adapter	6"

HART COOLEY

ALK Aluminum Chimney Liner Kits



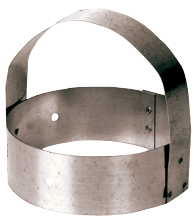
- Compatible with Type B gas vent systems
- Simple connections for easy installation
- Liner kit includes flexible liner, cap, flashing and mortar sleeve
- Extension kit includes Flexi-Liner tube with attached connector and fastener package

Order #	Mfg. #	Description	Size
L98-390	3ALK25	Liner Kit	3" x 25'
L98-244	3ALK35	Liner Kit	3" x 35'
L86-355	4ALK25	Liner Kit	4" x 25'
L86-356	4ALK35	Liner Kit	4" x 35'
L86-357	5ALK25	Liner Kit	5" x 25'
L96-341	5ALK35	Liner Kit	5" x 35'
L96-342	6ALK25	Liner Kit	6" x 25'
L96-343	6ALK35	Liner Kit	6" x 35'
L98-245	3ALKE10	Extension Kit	3" x 10'
L98-246	4ALKE10	Extension Kit	4" x 10'
L98-247	5ALKE10	Extension Kit	5" x 10'
L98-248	6ALKE10	Extension Kit	6" x 10'

HART COOLEY

Pull Downs

For Use with Flexible Chimney Liner Kits



- Reusable for installing flexible liner through chimney
- Rope not included

Order #	Mfg. #	Description	Size
L88-260	4FX-PD	Pull Down	4"
L88-261	5FX-PD	Pull Down	5"
L88-262	6FX-PD	Pull Down	6"

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MLKE Economy Chimney Liner Kits

- Complete liner kit
- Pre-drilled holes in each sleeve for field attachment of pull bar
- Includes: 2-ply aluminum flex, vent cap, lightweight aluminum flashing, mortar guard w/label, attachment hardware package and instructions



Order #	Mfg. #	Size
L61-915	MLKE0325	3" x 25'
L61-916	MLKE0335	3" x 35'
L61-917	MLKE0425	4" x 25'
L61-918	MLKE0435	4" x 35'
L61-919	MLKE0525	5" x 25'

Order #	Mfg. #	Size
L61-920	MLKE0535	5" x 35'
L61-921	MLKE5525	5-1/2" x 25'
L61-922	MLKE5535	5-1/2" x 35'
L61-923	MLKE0625	6" x 25'
L61-924	MLKE0635	6" x 35'

Stainless Steel Chimney Liner Kits

- 316 stainless steel
- Flexible to bend around obstructions and offsets
- Kit includes stainless steel flex, vent cap, top plate, tee and storm collar



Order #	Mfg. #	Size
L90-784	SLK0425T	4" x 25'
L90-785	SLK0435T	4" x 35'

Order #	Mfg. #	Size
L90-786	SLK0525T	5" x 25'
L90-787	SLK0535T	5" x 35'

Order #	Mfg. #	Size
L90-788	SLK0625T	6" x 25'
L90-789	SLK0635T	6" x 35'

Flex Connector with Pull Bar

- For pulling Metal Fab chimney liner



Order #	Mfg. #	Size
L70-684	4SLFCP	4"

Order #	Mfg. #	Size
L70-685	5SLFCP	5"

Order #	Mfg. #	Size
L70-686	6SLFCP	6"

Hundreds of Thousands of OEM Solutions at Your Fingertips

For all of your AC needs *supporting you from installation and beyond*

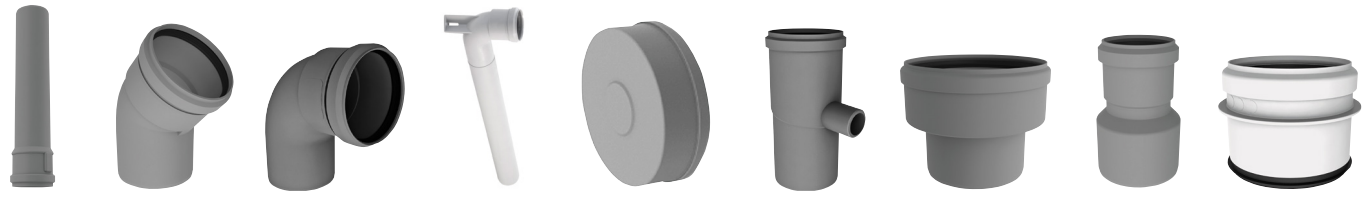
SOURCE 1 HVAC Service Parts
PARTNERS choice Universal HVAC Parts & Accessories
ARMSTRONG AIR The Professional's Choice
Coleman HEATING AND AIR CONDITIONING
Goodman Air Conditioning & Heating
DAIKIN
Amana Heating & Air Conditioning
FUJITSU
AO Smith
ALLIED Air Enterprises
YORK INSTALL CONFIDENCE
FRIEDRICH



DuraVent

Polypropylene Pipe & Fittings

- A chloride-free, environmentally safe venting system for condensing gas/oil appliances
- Lightweight and easy to install
- Higher sustained operating temperatures than PVC/CPVC
- Gasketed connections have precise, tight seal and do not require installation lubricant
- Listed to ULC-S636 /can be cut to desired length



A B C D E F G H I



J K L M N O P

Fig.	Order #	Mfg. #	Description	Size
Lengths				
A	**L81-531**	2PPS-12C	12" Length	2"
A	**L81-532**	2PPS-12BC	12" Length UV Black	2"
A	**L81-533**	2PPS-36C	36" Length	2"
A	**L81-534**	2PPS-36BC	36" Length UV Black	2"
A	**L93-368**	2PPS-72C	72" Length	2"
A	**L81-535**	2PPS-TPC	10" Test Port Length	2"
A	**L81-536**	3PPS-12C	12" Length	3"
A	**L81-537**	3PPS-12BC	12" Length UV Black	3"
A	**L81-538**	3PPS-36C	36" Length	3"
A	**L81-539**	3PPS-36BC	36" Length UV Black	3"
A	**L93-369**	3PPS-72C	72" Length	3"
A	**L81-540**	3PPS-TPC	10" Test Port Length	3"
A	**L81-541**	4PPS-12C	12" Length	4"
A	**L81-542**	4PPS-12BC	12" Length UV Black	4"
A	**L81-543**	4PPS-36C	36" Length	4"
A	**L81-544**	4PPS-36BC	36" Length UV Black	4"
A	**L93-370**	4PPS-72C	72" Length	4"
A	**L81-545**	4PPS-TPC	10" Test Port Length	4"
A	**L81-546**	6PPS-12C	12" Length	6"
A	**L81-547**	6PPS-36C	36" Length	6"
A	**L93-371**	6PPS-72C	72" Length	6"
A	**L81-548**	6PPS-TPC	10" Test Port Length	6"
Fittings				
B	**L81-549**	2PPS-E45C	45° Elbow	2"
B	**L81-550**	2PPS-E45BC	45° Elbow UV Black	2"
B	**L81-551**	3PPS-E45C	45° Elbow	3"
B	**L81-552**	3PPS-E45BC	45° Elbow UV Black	3"
B	**L81-553**	4PPS-E45C	45° Elbow	4"
B	**L81-554**	4PPS-E45BC	45° Elbow UV Black	4"
B	**L81-555**	6PPS-E45C	45° Elbow	6"
C	**L81-556**	2PPS-E90C	90° Elbow	2"
C	**L81-557**	2PPS-E90BC	90° Elbow UV Black	2"
C	**L81-558**	3PPS-E90C	90° Elbow	3"
C	**L81-559**	3PPS-E90BC	90° Elbow UV Black	3"
C	**L81-560**	4PPS-E90C	90° Elbow	4"
C	**L81-561**	4PPS-E90BC	90° Elbow UV Black	4"
C	**L81-562**	6PPS-E90C	90° Elbow	6"

Fig.	Order #	Mfg. #	Description	Size
D	**L81-581**	2PPS-SE90XC	90° Extended Support Elbow	2"
D	**L81-582**	3PPS-SE90XC	90° Extended Support Elbow	3"
E	**L81-276**	2PPS-C	Tee Cap	2"
E	**L81-277**	3PPS-C	Tee Cap	3"
E	**L81-278**	4PPS-C	Tee Cap	4"
E	**L81-279**	6PPS-C	Tee Cap	6"
F	**L81-563**	2PPS-CDC	Condensate Drain	2"
F	**L81-564**	3PPS-CDC	Condensate Drain	3"
F	**L81-565**	4PPS-CDC	Condensate Drain	4"
F	**L81-566**	6PPS-CDC	Condensate Drain	6"
G	**L81-567**	2PPS-X3L	Increaser	2"
G	**L81-568**	3PPS-X4L	Increaser	3"
H	**L81-580**	3PPS-R2L	Reducer	3" to 2"
I	**L81-569**	2PPS-ADL	Appliance Adapter, PVC to PolyPro	2"
I	**L81-570**	3PPS-ADL	Appliance Adapter, PVC to PolyPro	3"
I	**L81-571**	4PPS-ADL	Appliance Adapter, PVC to PolyPro	4"
J	**L81-291**	2PPS-WSM1	Galvanized Wall Strap	2"
J	**L81-292**	3PPS-WSM1	Galvanized Wall Strap	3"
J	**L81-293**	4PPS-WSM1	Galvanized Wall Strap	4"
J	**L81-294**	6PPS-WSM	Galvanized Wall Strap	6"
K	**L81-295**	2PPS-FF	Flat Roof Flashing	2"
K	**L81-296**	3PPS-FF	Flat Roof Flashing	3"
K	**L81-297**	4PPS-FF	Flat Roof Flashing	4"
K	**L81-298**	6PPS-FF	Flat Roof Flashing	6"
L	**L81-299**	2PPS-F12	Adjustable Roof Flashing	2"
L	**L81-300**	3PPS-F12	Adjustable Roof Flashing	3"
L	**L81-301**	4PPS-F12	Adjustable Roof Flashing	4"
M	**L81-309**	PPS-PAC	PVC Adapter Clamp, 2-4"	2, 3 & 4"
Termination Kits				
N	**L81-572**	2PPS-HKC	Horizontal Kit	2"
N	**L81-573**	3PPS-HKC	Horizontal Kit	3"
N	**L81-574**	4PPS-HKC	Horizontal Kit	4"
O	**L81-578**	2PPS-HTPC	Twin Pipe Horizontal Kit	2"
O	**L81-579**	3PPS-HTPC	Twin Pipe Horizontal Kit	3"
P	**L93-372**	2PPS-VKC	Vertical Kit	2"
P	**L93-373**	3PPS-VKC	Vertical Kit	3"
P	**L93-374**	4PPS-VKC	Vertical Kit	4"
P	**L93-375**	6PPS-VTMC	Vertical Kit, Metal	6"

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Flexible Polypropylene Pipe & Fittings

- Double wall
- Ideal for retrofit when replacing old unit with a new condensing 90+ appliance
- Use old B vent or chimney as a chase
- All other features are the same as rigid PolyPro

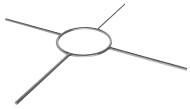

A


B


C


D


E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G


H


I


J


K

Fig.	Order #	Mfg. #	Description	Size
Lengths				
A	**L92-336**	2PPS-FLEX25	25' Length	2"
A	**L92-337**	2PPS-FLEX35	35' Length	2"
A	**L92-338**	2PPS-FLEX50	50' Length	2"
A	**L92-339**	3PPS-FLEX25	25' Length	3"
A	**L92-340**	3PPS-FLEX35	35' Length	3"
A	**L92-341**	3PPS-FLEX50	50' Length	3"
A	**L92-342**	4PPS-FLEX25	25' Length	4"
A	**L92-343**	4PPS-FLEX35	35' Length	4"
Fittings				
B	**L81-316**	2PPS-FAM	Flexible Male Adapter	2"
B	**L81-317**	3PPS-FAM	Flexible Male Adapter	3"
B	**L81-318**	4PPS-FAM	Flexible Male Adapter	4"
C	**L81-319**	2PPS-FAF	Flexible Female Adapter	2"
C	**L81-320**	3PPS-FAF	Flexible Female Adapter	3"
C	**L81-321**	4PPS-FAF	Flexible Female Adapter	4"
D	**L81-322**	2PPS-FAC	Flexible Coupler Adapter	2"
D	**L81-323**	3PPS-FAC	Flexible Coupler Adapter	3"
D	**L81-324**	4PPS-FAC	Flexible Coupler Adapter	4"

Fig.	Order #	Mfg. #	Description	Size
E	**L81-325**	2PPS-BV4	B-Vent Adapter X4	2"
E	**L81-326**	3PPS-BV5	B-Vent Adapter X5	3"
F	**L81-327**	2PPS-FSB	Support Bracket	2"
F	**L81-328**	3PPS-FSB	Support Bracket	3"
F	**L81-329**	4PPS-FSB	Support Bracket	4"
G	**L81-331**	3PPS-S	Spacer, 3-4"	3 & 4"
H	**L81-333**	2PPS-BG	Bird Guard	2"
H	**L81-334**	3PPS-BG	Bird Guard	3"
H	**L81-335**	4PPS-BG	Bird Guard	4"
I	**L81-336**	2PPS-FP	Flex Puller	2"
I	**L81-337**	3PPS-FP	Flex Puller	3"
I	**L81-338**	4PPS-FP	Flex Puller	4"
Termination Kits				
J	**L81-575**	2PPS-FKC	Flexible Chimney Lining Kit	2"
J	**L81-576**	3PPS-FKC	Flexible Chimney Lining Kit	3"
J	**L81-577**	4PPS-FKC	Flexible Chimney Lining Kit	4"
K	**L93-376**	2PPS-FCTC	Flexible Chimney Cap	2"
K	**L93-377**	3PPS-FCTC	Flexible Chimney Cap	3"
K	**L93-378**	4PPS-FCTC	Flexible Chimney Cap	4"

Flexible Aluminum Foil Ducting

- UL 181 Class 1 air connector
- Constructed of a heavy-duty, aluminum foil laminate, encapsulating a high density, corrosion resistant wire helix forming an airtight, easy-to-use, quality air duct; will not support combustion
- Applications include heating, air conditioning and exhausting



Order #	Mfg. #	Diam.	Length	Each
R94-494	AF325UL	3"	25'	**69.00**
R94-158	AF425UL	4"	25'	**75.00**
R94-163	AF450UL	4"	50'	**115.00**

ProFlex™ Aluminum Foil Ducting



- UL 2158A clothes dryer transition duct
- **R94-159** and **R94-164** are UL listed but not marked due to length
- Specifically designed for exhausting gas and electric dryers
- 5' and 8' lengths in display box, 25' and 50' in bulk packaging
- Fire resistant, will not support combustion
- Tear and puncture resistant

Order #	Mfg. #	Diam.	Length	Each
R94-121	BTD45	4"	5'	**19.49**
R94-122	BTD48	4"	8'	**30.99**
R94-159	TD425	4"	25'	**69.00**
R94-164	TD450	4"	50'	**89.00**

Semi-Rigid Aluminum Ducting



- Ideal for use in general purpose exhaust applications or where all aluminum duct is required by code
- Totally non-combustable
- Maximum operating temperature is 435°F
- Can be bent into any configuration

Order #	Mfg. #	Diam.	Length	Each
R94-076	MFX38X	3"	8'	**27.99**
R94-077	MFX48X	4"	8'	**29.99**
R94-078	MFX58X	5"	8'	**47.99**
R94-079	MFX68X	6"	8'	**55.00**
R94-495	MFX325X	3"	25'	**79.00**

White Vinyl General Purpose Ducting



- Not recommended for the venting of gas or electric clothes dryers

Order #	Mfg. #	Diam.	Length	Each
R94-060	FD420Z	4"	20'	**55.00**
R94-061	FD450E	4"	50'	**109.00**
R94-403	FDE350E	3"	50'	**105.00**

Aluminum Vent Pipes



- Features easy to close snaplock seam

Order #	Mfg. #	Size	Each
R94-006	P3E	3" x 24"	**12.49**
R94-008	P4E	4" x 24"	**10.49**

Aluminum Vent Elbows



- All aluminum, four-piece construction
- Fully adjustable to 90°

Order #	Mfg. #	Size	Each
R94-001	E3E	3"	**12.49**
R94-002	E4E	4"	**10.49**

ProMax Exhaust Hoods



A



B

- Removable pest screen for easy cleaning
- Includes hood, aluminum pipe and collar
- UV resistant and paintable

Fig.	Order #	Mfg. #	Diam.	Color	Each
A	**R94-645**	PMH4WXZ	4"	White	**30.49**
A	**R94-818**	PMH4BLKXZ	4"	Black	**30.49**
B	**R94-110**	PVB4EAL	4"	Aluminum	—

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ProVent™Louvered Exhaust Hoods

- 3 louver damper system that helps to prevent cold air backdraft, snow or rain from entering the home
- Louvers are cammed to allow for easy pivoting and to help prevent sticking
- UV resistant coating to prevent the cap from discoloring
- Paintable

Fig.	Order #	Mfg. #	Diam.	Size	Color	Each
A	**R94-798**	LH4WXZ	4"	4" Ducting	White	**20.99**
B	**R94-648**	LC4WXZW	4"	Cap Only	White	**11.99**


A


B

Increaser/Reducer

- 4" to 3"
- Made of heavy-duty plastic

Order #	Mfg. #	Each
R87-448	INC34Z	**7.35**



Duct Clamp

- Spring tension type for 4" ducting

Order #	Each	50 Lot
R94-019	**2.85**	**2.25**



Metal Duct Clamps

Order #	Size	Each
R53-463	3"	**7.25**
R94-018	4"	**5.39**



Recessed Dryer Vent Box

- Allows clothes dryer to be pushed up against the wall saving valuable inches of space
- Protects the duct from being crushed and lint build-up is minimized due to limited kinks and duct bends

Fig.	Order #	Mfg. #	Color	Each
A	**R94-821**	MDRB	Aluminum - Steel	**115.00**
B	**R94-822**	DRB4XZW	White - Plastic	**95.00**


A


B

Super Saber® Sheet Metal Screws



- One-step fastening
- Saber-sharp piercing point with a “fine-cut” machine thread, which pierces the metal upon contact
- Once pierced, the thread propels the screw through metal rapidly and almost without effort
- 5/16" hex head on **G36-484** and **G36-485**, 1/4" hex head on all others

Order #	Mfg. #	Description	Screw Size	Pkg. Qty.	Each
G31-387	14158	Super Saber 1/4" Standard Head	6 x 3/8"	1,000	**85.00**
G31-388	14159	Super Saber 1/4" Standard Head	7 x 1/2"	1,000	**95.00**
G80-271	15154	Super Saber 1/4" Standard Head	7 x 1/2"	5,000	**415.00**
G37-726	14250	Super Saber 1/4" High Head	8 x 1/2"	500	**59.00**
G32-814	14322	Super Saber 1/4" Standard Head	8 x 1/2"	500	**59.00**
G31-389	14160	Super Saber 1/4" Standard Head	8 x 1/2"	1,000	**105.00**
G80-272	15155	Super Saber 1/4" Standard Head	8 x 1/2"	5,000	**465.00**
G37-727	14251	Super Saber 1/4" High Head	8 x 3/4"	500	**69.00**
G32-815	14323	Super Saber 1/4" Standard Head	8 x 3/4"	500	**69.00**
G31-390	14161	Super Saber 1/4" Standard Head	8 x 3/4"	1,000	**119.00**
G80-273	15156	Super Saber 1/4" Standard Head	8 x 3/4"	4,000	**435.00**
G37-728	14252	Super Saber 1/4" High Head	8 x 1"	500	**79.00**
G32-816	14324	Super Saber 1/4" Standard Head	8 x 1"	500	**75.00**
G32-819	14174	Super Saber 1/4" Standard Head	8 x 1"	1,000	**135.00**
G80-275	15167	Super Saber 1/4" Standard Head	8 x 1"	3,000	**369.00**

Order #	Mfg. #	Description	Screw Size	Pkg. Qty.	Each
G37-729	14253	Super Saber 1/4" High Head	8 x 1-1/2"	500	**95.00**
G32-817	14222	Super Saber 1/4" Standard Head	8 x 1-1/2"	500	**99.00**
G32-820	14175	Super Saber 1/4" Standard Head	8 x 1-1/2"	1,000	**179.00**
G80-274	15168	Super Saber 1/4" Standard Head	8 x 1-1/2"	3,000	**499.00**
G32-831	14311	White Super Saber 1/4" Standard Head	8 x 2"	250	**109.00**
G37-730	14254	Super Saber 1/4" High Head	8 x 2"	500	**129.00**
G32-818	14221	Super Saber 1/4" Standard Head	8 x 2"	500	**129.00**
G32-821	14176	Super Saber 1/4" Standard Head	8 x 2"	1,000	**245.00**
G80-276	15169	Super Saber 1/4" Standard Head	8 x 2"	3,000	**675.00**
G31-391	14163	Super Saber 1/4" Standard Head	10 x 3/4"	1,000	**145.00**
G36-484	14215	Super Saber 5/16" Standard Head	10 x 3/4"	1000	**185.00**
G31-392	14329	Super Saber 1/4" Standard Head	10 x 1"	500	**115.00**
G36-485	14227	Super Saber 5/16" Standard Head	10 x 1"	500	**125.00**

Pro Point® Sheet Metal Screws



- Precision formed drill point, are designed to fasten heavy gauge metals
- Screws assure accurately sized holes for maximum holding power
- 1/4" hex head on #8 screw size and 5/16" hex head on #10 screw size
- **G36-486** and **G36-487** have oversized heads for increased stability

Order #	Mfg. #	Description	Screw Size	Pkg. Qty.	Each
G31-393	14340	Pro Point 1/4" Standard Head	8 x 1/2"	500	**85.00**
G32-828	14185	Pro Point 1/4" Standard Head	8 x 1/2"	1,000	**165.00**
G37-731	14206	Pro Point 1/4" High Head	8 x 3/4"	500	**109.00**
G31-394	14342	Pro Point 1/4" Standard Head	8 x 3/4"	500	**105.00**
G32-829	14187	Pro Point 1/4" Standard Head	8 x 3/4"	1,000	**195.00**

Order #	Mfg. #	Description	Screw Size	Pkg. Qty.	Each
G36-486	14204	Pro Point 5/16" High Head	10 x 3/4"	500	**135.00**
G31-395	14345	Pro Point 5/16" Standard Head	10 x 3/4"	500	**139.00**
G32-830	14190	Pro Point 5/16" Standard Head	10 x 3/4"	1,000	**245.00**
G32-229	14346	Pro Point 5/16" Standard Head	10 x 1"	500	**169.00**
G36-487	14205	Pro Point 5/16" High Head	10 x 1-1/2"	1000	**519.00**

Zip-In® Fasteners



- Combination lead double thread design
- Single starting thread machined down to very tip of screw point
- Instantly penetrates and engages in heavy gauge sheet metal and layered light gauge consistent hard point
- Quality controlled heat treated
- Sharp tapered point will not mushroom or break
- No “walking”
- Complete operator control — precise hole alignment
- **G32-521**, **G32-522** and **G35-806** are white register screws
- **G32-521** has a Phillips oval head

Order #	Mfg. #	Screw Size	Pkg. Qty.	Each
G32-514	HW7X1/2ZT	7 x 1/2"	1,000	**75.00**
G32-515	HW8X1/2ZT	8 x 1/2"	1,000	**75.00**
G32-516	HW8X3/4ZT	8 x 3/4"	1,000	**99.00**
G32-517	HW8X1ZT	8 x 1"	500	**65.00**
G32-518	HW8X1-1/2ZT	8 x 1-1/2"	250	**42.49**
G32-519	HW8X2ZT	8 x 2"	250	**59.00**
G32-520	HW10X1/2ZT	10 x 1/2"	1,000	**115.00**
G32-521	PO8X2ZWT	8 x 2"	250	**85.00**

Order #	Mfg. #	Screw Size	Pkg. Qty.	Each
G32-522	HW8X2ZWT	8 x 2"	250	**85.00**
G35-806	HW8X3ZWT	8 x 3"	150	**99.00**
G80-161	HW7X1/2Z	7 x 1/2"	15,000	**839.00**
G80-162	HW8X1/2Z	8 x 1/2"	12,000	**729.00**
G80-163	HW8X3/4Z	8 x 3/4"	10,000	**809.00**
G80-164	HW8X1Z	8 x 1"	7,000	**685.00**
G80-165	HW8X1-1/2Z	8 x 1-1/2"	4,500	**619.00**
G80-166	HW8X2Z	8 x 2"	2,300	**409.00**

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Bit-Tip® Sheet Metal Screws

- Drills its own hole and taps a matching thread in less time than it takes to drill a pilot hole for other standard fasteners
- Produces optimum hole size, resulting in better thread engagement and tighter fit
- Also for use in applications requiring fastening of plywood, soft wood, composition board, drywall, insulation and laminates to metal framing or components
- Requires standard screw gun power tool rated at 2500 RPM equipped with drilling depth locator
- 1/4" head on **G36-901** and **G36-902**, 5/16" head on **G33-859**, **G36-903** and **G36-904**



Order #	Mfg. #	Screw Size	Pkg. Qty.	Each
G36-901	BT131T	8-18 x 1/2"	1,000	**115.00**
G36-902	BT133T	8-18 x 3/4"	500	**75.00**
G36-903	BT141T	10-16 x 1/2"	500	**85.00**

Order #	Mfg. #	Screw Size	Pkg. Qty.	Each
G33-859	BT143T	10-16 x 3/4"	500	**89.00**
G36-904	BT144T	10-16 x 1"	500	**125.00**

Plastic Anchoring Kits

- Each kit has 100 slotted screws, 100 plastic anchors, one carbide tipped masonry drill bit
- For use with brick, concrete, masonry, stucco, plaster or drywall surfaces



Order #	Type	Each
G36-454	Hex Head w/#8 x 1" Screws	**30.49**
G36-455	Hex Head w/#10 x 1" Screws	**38.99**

Order #	Type	Each
G36-456	Pan Head w/#8 x 1" Screws	**34.99**
G36-457	Pan Head w/#10 x 1-1/4" Screws	**42.99**

Drywall Anchor

- Self-drilling, one-piece
- Replaces molly, plastic plugs and toggle bolts
- High strength, easily removable
- Installs with #2 Phillips bit
- For use with #6, #7 and #8 sheet metal screws
- Package of 100



Order #	Mfg. #	Each
G33-167	5000902	**65.00**

Wire and Duct Ties

- One-piece molded virgin nylon
- Tapered, flexible ties slip easily around wire bundles and through self-locking head for a quickly applied permanent tie
- Serviceable to 185°F
- Federal Military Specifications approved
- Pricing is per package
- Plenum rated



Order #	Mfg. #	Length	Max. Diam.	Tensile Strength	Color	Type	Pkg. Qty.	Each
G22-274	BL4M9-C	4.1"	5/8"	18 Lbs.	Natural	General Purpose	100	**4.15**
G22-275	BL5I9-C	5.8"	1-1/4"	30 Lbs.	Natural	General Purpose	100	**9.45**
G36-662	BL5I9-M	5.8"	1-1/4"	30 Lbs.	Natural	General Purpose	1000	**65.00**
G22-276	BL7S9-C	7.6"	1-3/4"	50 Lbs.	Natural	General Purpose	100	**11.49**
G35-792	BL7S9-M	7.6"	1-3/4"	50 lbs.	Natural	General Purpose	1000	**85.00**
G22-852	BL11S9-C	11.1"	3"	50 Lbs.	Natural	General Purpose	100	**15.49**
G31-191	BL14S9-C	14.6"	4"	50 Lbs.	Natural	General Purpose	100	**20.49**
G80-002	BL36H9-L	36"	10-3/4"	175 Lbs.	Natural	Heavy-Duty	50	**38.99**
G95-040	BL48H9-L	48"	15"	175 Lbs.	Natural	Heavy-Duty	50	**75.00**
G80-316	BL36H0-L	36"	10-3/4"	175 Lbs.	Black	Heavy-Duty/UV	50	**42.99**
G80-317	BL48H0-L	48"	15"	175 Lbs.	Black	Heavy-Duty/UV	50	**75.00**
G22-853	BL5I0-C	5.6"	1-1/4"	30 Lbs.	Black	UV Resistant	100	**9.45**
G22-854	BL7S0-C	7.6"	1-3/4"	50 Lbs.	Black	UV Resistant	100	**11.49**
G35-768	BL7S0-M	7.6"	1-3/4"	50 lbs.	Black	UV Resistant	1000	**89.00**
G31-579	BL11S0-C	11.1"	3"	50 Lbs.	Black	UV Resistant	100	**15.49**
G22-855	BL14S0-C	14.6"	4"	50 Lbs.	Black	UV Resistant	100	**20.99**

Southwire

Mounting Hole Ties



- Easy anchoring of tie to surface
- Pricing is per package
- Plenum rated

Order #	Mfg. #	Length	Max. Diam.	Tensile Strength	Color	Mounting Head Screw Size	Pkg. Qty.	Each
G31-194	BL5IMH9-C	5.9"	1-1/4"	30 Lbs.	Natural	#8	100	**16.99**
G31-195	BL7SMH9-C	8.1"	1-3/4"	50 Lbs.	Natural	#10	100	**18.99**
G35-537	BL7SMH0-C	8.1"	1-3/4"	50 Lbs.	Black	#10	100	**20.49**
G31-196	BL14SMH9-C	15"	4"	50 Lbs.	Natural	#10	100	**38.49**
G31-197	BL14LMH9-C	15.70"	4"	120 Lbs.	Natural	1/4"	100	**41.99**

Southwire

Frosty Duct Ties



- Superior performance in sub-zero temperatures
- All weather applications
- Extended UV sunlight protection
- For installations down to -4°F
- Pricing is per package
- Plenum rated

Order #	Mfg. #	Length	Max. Diam.	Tensile Strength	Color	Type	Pkg. Qty.	Each
G36-659	BL7SAW0-C	7.6"	1-3/4"	50 Lbs.	Black	UV Resistant	100	**11.49**
G36-660	BL11SAW0-C	11.1"	3"	50 Lbs.	Black	UV Resistant	100	**16.49**
G36-661	BL14SAW0-C	14.6"	4"	50 Lbs.	Black	UV Resistant	100	**20.99**
G80-724	BL36HAW0-L	36"	10-3/4"	175 Lbs.	Black	Heavy-Duty/UV	50	**47.99**

Shurtape
TRUE TO YOUR WORK

Shurtape Duct Tape



- **G80-301** and **G80-302** are roll mastics with butyl rubber adhesive
- **G80-652** thru **G80-655** and **G80-705** are cold weather tapes with an installation temperature range of -20°F to +250°F

Order #	Mfg. #	Description	Color	Size	Mils	Approval/Listed	Each
G89-875	PC-609	Cloth/Economy	Silver	2" x 60 Yds.	10.5	UL723	**23.99**
G89-876	PC-609	Cloth/Economy	Black	2" x 60 Yds.	10.5	UL723	**24.49**
G80-089	PC-657	Cloth/Premium	Silver	2" x 60 Yds.	14.5	UL723	**39.99**
G80-088	PC-657	Cloth/Premium	Black	2" x 60 Yds.	14.5	UL723	**39.99**
G89-931	SF-682	Cloth	Metalized	2" x 50 Yds.	11	UL723	**35.49**
G80-090	SF-682	Cloth	Metalized	3" x 50 Yds.	11	UL723	**59.00**
G80-339	PC-628	Cloth Gaffers Tape	Black	2" x 60 Yds.	12	—	**79.00**
G80-042	PC-857	Cloth	Silver	2" x 60 Yds.	14.5	UL 181B-FX Printed	**55.00**
G80-298	PC-857	Cloth	Black	2" x 60 Yds.	14.5	UL 181B-FX Printed	**55.00**
G80-299	PC-857	Cloth	Metalized	2" x 60 Yds.	14.5	UL 181B-FX Printed	**49.49**
G80-418	PC-857	Cloth	Metalized	3" x 60 Yds.	14.5	UL181B-FX Printed	**85.00**
G80-300	DC-181	Film	Black	2" x 120 Yds.	3	UL 181B-FX Printed	**34.49**
G80-168	DC-181	Film	Metalized	2" x 120 Yds.	3	UL 181B-FX Printed	**37.99**
G80-419	DC-181	Film	Metalized	3" x 120 Yds.	3	UL181B-FX Printed	**65.00**
G80-652	AF-975	Alum Foil/Cold Temp	Silver	2" x 50 Yds.	3.9	UL723	**32.99**
G80-653	AF-975	Alum Foil/Cold Temp	Silver	3" x 50 Yds.	3.9	UL723	**48.49**
G80-654	AF-975	Alum Foil/Cold Temp	Silver	4" x 50 Yds.	3.9	UL723	**69.00**
G80-655	AF-984	Alum Foil/Scrim/Cold	Silver	3" x 50 Yds.	3.9	UL723	**39.49**
G80-705	AF-984	Alum Foil/Scrim/Cold	Silver	4" x 50 Yds.	3.9	UL723	**65.00**
G81-045	AF-099	Aluminum Foil	Silver	2-1/2" x 60 Yds.	4	UL 181A-P & UL 181B-FX Printed	**65.00**
G81-046	AF-099	Aluminum Foil	Silver	3" x 60 Yds.	4	UL 181A-P & UL 181B-FX Printed	**79.00**
G80-726	SF-685	Aluminum Foil/Butyl	Silver	2" x 100'	17	UL723	**65.00**
G80-727	SF-685	Aluminum Foil/Butyl	Silver	3" x 100'	17	UL723	**99.00**
G80-301	SF-686	Aluminum Foil/Butyl	Silver	2" x 100'	17	UL 181B-FX Printed	**75.00**
G80-302	SF-686	Aluminum Foil/Butyl	Silver	3" x 100'	17	UL 181B-FX Printed	**125.00**

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Polyken Duct Tape

- Thickness shown in mils
- **G80-152** & **G80-331** are cold weather tapes with an installation temperature range of -10°F to +200°F



Order #	Mfg. #	Description	Color	Size	Mils	Approval/Listed	Each	6 Lot	24 Lot
G80-328	223	Cloth/Economy	Silver	2" x 60 Yds.	10	UL723	**28.99**	**26.99**	**25.49**
G80-142	223	Cloth/Economy	Black	2" x 60 Yds.	10	UL723	**29.49**	**27.49**	**25.49**
G80-148	253	Cloth/Premium	Silver	2" x 60 Yds.	13	UL723	**59.00**	**55.00**	**47.49**
G80-149	253	Cloth/Premium	Black	2" x 60 Yds.	13	UL723	**59.00**	**55.00**	**47.49**
G80-145	251	Cloth	Metalized	2" x 60 Yds.	11	UL723	**47.49**	**43.49**	**39.99**
G80-292	557	Cloth	Black	2" x 60 Yds.	14	UL 181B-FX Printed	**65.00**	**59.00**	**55.00**
G80-293	557	Cloth	Metalized	2" x 60 Yds.	14	UL 181B-FX Printed	**65.00**	**59.00**	**55.00**
G80-153	555	Film	Black	2" x 120 Yds.	3.1	UL 181B-FX Printed	**41.99**	**37.99**	**33.49**
G80-329	555	Film	Metalized	2" x 120 Yds.	3.1	UL 181B-FX Printed	**34.99**	**32.49**	**30.49**
G81-020	555	Film	Metalized	3" x 120Yds.	3.1	UL 181B-FX Printed	**65.00**	**59.00**	**55.00**
G80-150	337	Aluminum Foil	Silver	2" x 50 Yds.	3.7	UL723	**36.49**	**32.99**	**29.49**
G80-330	337	Aluminum Foil	Silver	3" x 50 Yds.	3.7	UL723	**46.49**	**42.99**	**39.99**
G80-151	338FSK	Aluminum Foil/Scrim	Silver	3" x 50 Yds.	8	UL723	**69.00**	**65.00**	**59.00**
G80-152	339	Aluminum Foil	Silver	2-1/2" x 60 Yds.	4.8	UL 181A-P & UL 181B-FX Printed	**75.00**	**69.00**	**65.00**
G80-331	339	Aluminum Foil	Silver	3" x 60 Yds.	4.8	UL 181A-P & UL 181B-FX Printed	**85.00**	**79.00**	**75.00**
G80-294	1787630	Aluminum Foil/Butyl	Aluminum	2" x 100'	17	UL 181B-FX Printed	**75.00**	**69.00**	**65.00**
G81-157	335FT	Flue Tape	Aluminum	3" x 150'	3.8	UL723	**55.00**	**53.00**	**47.49**

Nashua Duct Tape

- Thickness shown in mils
- **G80-556** designed for extreme temperatures between -35°F and +260°F



Order #	Mfg. #	Description	Color	Size	Mils	Approval/Listed	Each	6 Lot	24 Lot
G81-086	365	Cloth	Metalized	2" x 60 Yds.	11	UL723	**41.99**	—	—
G81-160	365	Cloth	Metalized	3" x 60 Yds.	11	UL723	**55.00**	—	—
G81-087	398	Cloth	Black	2" x 60 Yds.	11	UL723	**29.99**	—	—
G81-088	398	Cloth	Silver	2" x 60 Yds.	11	UL723	**29.99**	—	—
G80-332	357	Cloth/Premium	Silver	2" x 60 Yds.	13	UL723	**45.99**	**42.99**	**39.99**
G80-333	357	Cloth/Premium	Black	2" x 60 Yds.	13	UL723	**45.99**	**42.99**	**39.99**
G80-553	557	Cloth	Silver	2" x 60 Yds.	14	UL 181B-FX Printed	**65.00**	**59.00**	**55.00**
G80-295	557	Cloth	Black	2" x 60 Yds.	14	UL 181B-FX Printed	**65.00**	**59.00**	**55.00**
G80-296	557	Cloth	Metalized	2" x 60 Yds.	14	UL 181B-FX Printed	**65.00**	**59.00**	**55.00**
G80-554	557	Cloth	Black	3" x 60 Yds.	14	UL 181B-FX Printed	**85.00**	**79.00**	**75.00**
G80-555	558CA	Cloth	Metalized	2" x 60 Yds.	14	UL 181B-FX Printed	**65.00**	**59.00**	**55.00**
G80-155	322	Aluminum Foil	Silver	2" x 50 Yds.	5	UL723	**35.49**	**31.99**	**28.49**
G81-093	322	Aluminum Foil	Silver	2-1/2" x 50 Yds.	5	UL723	**45.49**	—	—
G80-334	322	Aluminum Foil	Aluminum	3" x 50 Yds.	5	UL723	**44.99**	**41.49**	**38.99**
G80-556	330	Alum Foil/Extreme Temp	Silver	3" x 50 Yds.	3.5	UL 723	**46.49**	**42.99**	**39.99**
G80-156	324A	Aluminum Foil	Silver	2-1/2" x 60 Yds.	4.8	UL 181A-P & UL 181B-FX Printed	**75.00**	**69.00**	**65.00**
G80-335	324A	Aluminum Foil	Silver	3" x 60 Yds.	4.8	UL 181A-P & UL 181B-FX Printed	**85.00**	**79.00**	**75.00**
G81-090	FSK Scrim	Aluminum Foil/Scrim	Silver	3" x 50Yds.	8	UL723	**59.00**	—	—
G81-085	327	Aluminum Foil/Butyl	Aluminum	3" x 100'	17	UL723	**155.00**	—	—
G80-297	367-17	Aluminum Foil/Butyl	Silver	2" x 100'	17	UL 181B-FX Printed	**75.00**	**69.00**	**65.00**
G80-557	367-17	Aluminum Foil/Butyl	Aluminum	3" x 100'	17	UL 181B-FX Printed	**109.00**	**99.00**	**95.00**
G80-591	822	Vinyl	White	3" x 50 Yds.	5	—	**55.00**	**53.00**	**47.49**
G80-712	2280	Cloth	White	2" x 60 Yds.	9	UL723	**17.99**	**16.99**	**15.99**
G81-091	2280	Cloth	Black	2" x 60 Yds.	9	UL723	**21.99**	—	—
G81-092	2280	Cloth	Silver	2" x 60 Yds.	9	UL723	**21.99**	—	—

HARDCAST DUCT SEALANTS & INSULATION ADHESIVES



Rolled Mastic Duct Sealants

- **G80-192** and **G80-193** are red printed and UL classified for flame spread
- **G80-962** and **G80-963** are UL 181B-FX listed for use on flexible duct systems
- **G80-194** and **G80-195** are for higher pressure applications up to 10" w.g.

Order #	Mfg. #	Description	Color	Size	Each
G80-192	AFG-1402-2	Foil Grip 1402 — Printed	Silver	2" x 100'	**59.00**
G80-193	AFG-1402-3	Foil Grip 1402 — Printed	Silver	3" x 100'	**85.00**
G80-962	AFG-1404-181BFX-2	Foil Grip 1404-181BFX - Printed	Silver	2" x 100'	**75.00**
G80-963	AFG-1404-181BFX-3	Foil Grip 1404-181BFX - Printed	Silver	3" x 100'	**105.00**
G80-194	AFT-701-2	Aluma-Grip AFT-701	Silver	2" x 50'	**55.00**
G80-195	AFT-701-3	Aluma-Grip AFT-701	Silver	3" x 50'	**65.00**
G80-196	AP-1602-3	All Purpose 1602	Gray	3" x 50'	**55.00**

Shurtape TRUE TO YOUR WORK



Line Set Tape

- Resistant to moisture and humidity
- UV resistant
- LS300 is printed with “UV Resistant”

Order #	Mfg. #	Description	Color	Mils	Size In. x Yds.	Each
G80-304	VP410	Film	Black	6	2 x 36	**9.59**
G80-821	VP410	Film	White	6	2 x 36	**13.49**
G80-589	LS 300	Film/Printed	Black	3	2 x 60	**20.49**

Nashua TAPE PRODUCTS



Line Set Tape

- Tough and durable
- Hand tearable for ease of use
- UV Resistant for outdoor installations
- Acrylic Adhesive
- Aggressive bond - won't flag or lift
- Mold and moisture resistant

Order #	Mfg. #	Description	Color	Mils	Size In. x Yds.	Each
G81-089	444	Film	Black	3	2 x 60	**26.49**

Nashua TAPE PRODUCTS



Cooler Repair Tape

- Seals and repairs cracks and seams in walk-in coolers, commercial freezers and display cases
- All temperature acrylic adhesive
- Resists UV, mold and moisture
- Zero permeability - provides a superior vapor barrier
- Excellent quick stick for an instant seal
- Tested in accordance with UL 723
- 10.2 mils

Order #	Mfg. #	Description	Size	Each
G80-730	314CRT	Silver	4" x 15 Yds.	**99.00**
G80-731	314CRT	White	4" x 15 Yds.	**99.00**

HARDCAST DUCT SEALANTS & INSULATION ADHESIVES



Fiberglass Scrim Tape

- Use as reinforcement on ductwork gaps prior to applying duct sealants
- Helps prevent duct sealant sag or droop

Order #	Mfg. #	Size	Carton Qty.	Each
G80-341	AB-151	3" x 150'	18	**23.99**

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Masking Tape

- Blue crepe tape with low adhesion for easy removal
- UV resistant



Order #	Mfg. #	Size	Each
G80-340	CP27	2" x 60 Yds.	**27.49**

Venture Duct Tape

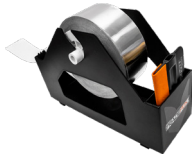
- Thickness shown in mils



Order #	Mfg. #	Description	Color	Size	Mils	Approval/Listed	Each
G80-977	3520CW	Alum Foil/Cold Temp	Silver	3" x 50 Yds.	3.5	UL723	**48.49**
G80-978	1599B	Film	Silver	2" x 120 Yds.	3	UL 181B-FX Printed	**31.99**
G80-979	1581A	Aluminum Foil	Silver	2-1/2" x 60 Yds.	2	UL 181A-P & UL 181B-FX Printed	**55.00**
G80-980	1581A	Aluminum Foil	Silver	3" x 60 Yds.	2	UL 181A-P & UL 181B-FX Printed	**69.00**

Universal Tape Dispenser

- For all types of tape up to 3" width
- Magnetic bottom
- Serrated cutting edge
- Includes one squeegee in storage compartment



Order #	Mfg. #	Each
G81-162	TFXUTD	**119.00**

BR Code™ Scannable Tapes And Labels

- Scannable tapes and labels feature preprinted, dynamic codes that allow users to connect physical locations to critical, digital information such as photos, text, maintenance documentation, video links, voice memos, instructions, GPS location data and more
- Powered by the BitRip®App available for free download from the Apple App Store or the Google Play store
- Codes are rugged to withstand tough environments and can wrap around non-flat surfaces
- 50 to 100 codes per tape or label roll



Order #	Mfg. #	Description	Size	Each
G38-452	PSLGR	Permanent Green	1.88" x 10.5'	**205.00**
G38-453	PSLOR	Permanent Orange	1.88" x 10.5'	**205.00**
G38-454	PSLBL	Permanent Blue	1.88" x 10.5'	**205.00**
G38-455	PXLYE	Heavy Duty Permanent Yellow	1.88" x 10.5'	**409.00**
G38-456	PC627	Duct Tape White	1.88" x 5.3'	**125.00**
G38-457	PC627	Duct Tape White	1.88" x 10.5'	**205.00**
G38-458	FL227	Paper Tape Blue	1.88" x 10.5'	**125.00**

Putty Knife

- 1-1/2" steel blade ideal for scraping dirt, carbon, paint
- Blade is ground and polished to a mirror finish



Order #	Mfg. #	Each
H23-973	4203	**11.99**

Disposable Putty Knives

Red Devil



A



B

- All plastic, no rusting
- High quality, durable

Fig.	Order #	Mfg. #	Size	Each
A	**H26-254**	4712	2"	**2.09**
B	**H26-255**	4714	4"	**2.85**

357SA Spray Adhesive

Nashua TAPE PRODUCTS



- May be used to bond fiberglass insulation, foil to metal, fabric, plastic films, felt, rubber, leather, cork, paper, cardboard, urethane foam, wood to wood and other substrates
- Low VOC formulation
- Application temperature -10°F to +180°F
- 14 oz.
- CARB 2017 compliant

Order #	Mfg. #	Each
G80-552	2009198	**28.49**

Spray Adhesive

DIVERSITECH



- High-strength multi-purpose spray adhesive used for extra strong bonding of materials to all surfaces, both porous and non-porous excluding vinyl
- Net weight: 12 oz.

Order #	Mfg. #	Each
G89-755	315-20	**32.49**

Mastic Duct Sealants

NEW

HARDCAST DUCT SEALANTS & INSULATION ADHESIVES



- For indoor/outdoor use and are water based
- **G80-197** and **G80-198** have no-sag formula, UV inhibitors for extended outdoor exposure, built-in fiber reinforcement
- **G80-202**, **G80-584** and **G80-583** provide extended coverage and ease of application, and stay flexible to accommodate minor vibration and movement
- **G80-199**, **G80-200**, **G80-585** and **G80-656** have no-sag formula; UV inhibitors for extended outdoor exposure, polyester reinforcement
- All are UL 181, USDA, FDA and EPA approved

Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Size	Application	Approval/Listed	Case Qty.	Each
G80-201	CCW-181-4	White	One Gallon	Indoor/Outdoor Water Based Duct Sealant	UL181A/B	4	**47.49**
G80-859	CCW-181-1	White	Two Gallon	Indoor/Outdoor Water Based Duct Sealant	UL181A/B	3	**99.00**
G80-860	CCW-181-4	Gray	One Gallon	Indoor/Outdoor Water Based Duct Sealant	UL181A/B	4	**55.00**
G80-586	CCW-181-1	Gray	Two Gallon	Indoor/Outdoor Water Based Duct Sealant	UL181A/B	3	**125.00**
G81-168 ◀	CCW-181-4	Black	One Gallon	Indoor/Outdoor Water Based Duct Sealant	UL181A/B	4	**55.00**
G80-198	DS-321-25	Duct-Seal 321 — Gray	11 Oz.	Indoor/Outdoor Water Based Duct Sealant	UL181B	25	**8.25**
G80-197	DS-321-4	Duct-Seal 321 — Gray	One Gallon	Indoor/Outdoor Water Based Duct Sealant	UL181B	4	**55.00**
G80-584	FG-550-25	Flex Grip 550 — Gray	11 Oz.	Flexible Water Based Duct Sealant	UL181B	25	**11.99**
G80-583	FG-550-4	Flex Grip 550 — Gray	One Gallon	Flexible Water Based Duct Sealant	UL181B	4	**55.00**
G80-202	IG-601-4	Iron-Grip 601 — Gray	One Gallon	Indoor/Outdoor Water Based Duct Sealant	UL181B	4	**115.00**
G80-656	VG-181-25	Versa-Grip 181 — White	11 Oz.	Indoor/Outdoor Water Based Duct Sealant — White	UL181A/B	25	**8.05**
G80-199	VG-181-1	Versa-Grip 181 — White	Two Gallon	Indoor/Outdoor Water Based Duct Sealant — White	UL181A/B	3	**129.00**
G80-200	VG-181-4	Versa-Grip 181 — White	One Gallon	Indoor/Outdoor Water Based Duct Sealant — White	UL181A/B	4	**65.00**
G80-585	VG-181-4	Versa Grip 181 — Gray	One Gallon	Indoor/Outdoor Water Based Duct Sealant — White	UL181A/B	4	**65.00**
G80-961	304133	Spray-Seal - Gray	Five Gallon	Indoor/Outdoor Water Based Duct Sealant	UL181B	1	**389.00**
G81-018	302014	Sure-Grip 404 - Gray	11 Oz.	Indoor/Outdoor Solvent-Based Duct Sealant	UL181B	25	**16.99**
G81-159	302009	Sure-Grip 404 - Gray	One Gallon	Indoor/Outdoor Solvent-Based Duct Sealant	UL181B	4	**155.00**

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Duct Insulation Adhesives

- Booth-Tack and Speed-Tack; water based, non-flammable



Order #	Mfg. #	Description	Size	Application	Each
G80-206	308585	Booth-TACK — Black	Five Gallon	Water Based	**339.00**
G80-663	308589	Speed-Tack Cream	Five Gallon	Water Based	**425.00**

Portable Duct Insulation Spray Adhesive Systems

- For use with spray gun and hoses
- Adhesive has an immediate tack and strong bond insulation adhesive



A



B

Hazardous Material Shipping Alert

Fig.	Order #	Mfg. #	Description	Wt. Lbs.	Each
A	**G80-203**	308602	Travel-TACK-Green 40# Cylinder	40	**875.00**
—	**G80-612**	308603	Travel-TACK-Green 187# Cylinder	—	**3245.00**
B	**G80-210**	304302	6' Adhesive Hose	1	**205.00**
B	**G80-211**	304303	12' Adhesive Hose	2	**295.00**
B	**G80-212**	304304	18' Adhesive Hose	2	**375.00**

Spray Applied Duct Coating and Sealant

- RE-500:
- High-performance spray applied insulation encapsulment and coating for use inside ductwork
- Formulated with EPA registered chemicals to resist surface microbial growth
- Can be sprayed right over existing fiberglass duct liner
- RS-100:
- Water based spray sealant designed to seal joints, penetrations and seams from inside the ductwork
- Will meet and exceed all SMACNA pressure classes and its flexibility allows for system operation without cracking
- Formulated with EPA registered chemicals to resist surface microbial growth



A



B

Fig.	Order #	Mfg. #	Size	Application	Color	Each
A	**G80-856**	RE-500	5 Gallon	Insulation Encapsulant & Coating	White	**599.00**
A	**G80-857**	RE-500	5 Gallon	Insulation Encapsulant & Coating	Black	**599.00**
B	**G80-858**	RS-100	5 Gallon	Duct Sealant	Blue (Wet), Dark Blue (Dry)	**569.00**

CellOTherm™ Furnace and Retort Cement

- Non-asbestos furnace and retort cement
- Recommended for use on high temperature refractory surfaces found in fireboxes and other parts of furnaces, boilers, stoves and stokers used for comfort heating
- Works well on flue pipes, clean outs, ducts and chimney collars.
- Contains no asbestos or OSHA restricted fibers
- When cured it is fire proof, acid resistant, shrink proof and crack-proof
- 1/2 Gallon
- Gray



Order #	Mfg. #	Each
G81-161	HS19114	**59.00**

Premium Elastic Sealing Compound



- Heavy-duty sealing compound
- Protects cabinet openings and seams, copper tube, BX and conduit entries against air, moisture and loss of insulating efficiency
- Oil based paints can be applied immediately

Order #	Mfg. #	Size	Each
G21-517	PP22	2 Lbs.	45.99

Premium Elastic Sealing Cords



- Extruded in cord or beaded forms
- Ideal sealer for window and console room coolers, display cases, glazed openings and spaces around electric wiring
- Non-staining, odorless and never hardens

Order #	Mfg. #	Size	Each
G21-516	PP33	3/16" x 25'	55.00
G31-182	PP36	3/8" x 25'	55.00

Pipe-Tite Stik®



- Universal pipe joint compound
- Approved for all gases

Order #	Mfg. #	Each
G21-510	11175	4.45

No-Drip Caulk Gun



- Heavy-duty, professional quality
- Fits all 10 oz. spouted type cartridges
- No-drip feature with spout cutter and seal punch

Order #	Mfg. #	Each
G32-382	3984	26.49

Latex Fire Barrier Sealants



- Used to seal openings against the passage of flame, noxious gas and smoke
- Intumescent — expands to seal cavities
- Meets UL approvals

Order #	Mfg. #	Size	Each
G80-321	CP 25WB+	10.1 Oz.	36.99
G80-322	IC 15WB+	10.1 Oz.	23.49

Silicone Water Tight Fire Barrier Sealant



- Meets new UL Water Leakage Test, W Rating — Class 1 requirements for sytems tested in accordance with UL 1479
- Intumescent — expands to seal cavities
- Meets UL approvals

Order #	Mfg. #	Size	Each
G80-323	3000 WT	10.1 Oz.	75.00

Non-Combustible Fire Block Sealant



- Silicate refractory sealant
- Meets most US fireblocking codes in both residential and combustible construction
- Non-intumescent — does not expand
- Withstands tempuratures up to 2000°F
- Application: sealing HVAC ducts and vents, masonry, electrical and plumbing, chimneys and fireplaces and general contruction gaps

Order #	Mfg. #	Size	Each
G80-324	FB 136	10.1 Oz.	17.49

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Ultra Plastic Pipe Device

- Metal collar firestopping
- One piece intumescent ultra fast anchoring system
- For sealing PVC, CPVC and ABS pipe
- Up to three-hour fire rating when installed in accordance with ASTM E 814 (UL 1479)
- Easily identified red color



Order #	Mfg. #	Size	Each
G80-610	PPD-2.0	2"	**30.99**
G80-611	PPD-3.0	3"	**42.99**

Metcaulk 1000 Intumescent Firestop Sealant

- Stops flames/smoke/hot gas/water moving through joints & through penetrations
- Fire-rated sealant/smoke seal for construction joints & through-penetrations
- Suited to dynamic motion
- Protected in wet & dry stages against mold growth with a combination of biocides
- Non-sag caulking grade sealant that is easy to apply & retrofit. Water Based and Flexible Set with a Minimum 3 Year Shelf Life. Excellent freeze-thaw and For interior use - paintable
- Safe and Easy to Use. No dilution or mixing is required for use
- Highly intumescent and VOC compliant
- Systems rated for 1, 2, 3 & 4 hours in accordance with ASTM E 814, UL 1479 UL 2079 & CAN/ULC-S115 standards. STC rating 62



Order #	Mfg. #	Size	Color	Each
G81-146	66640	10.3 Oz.	Red	**39.49**

Metcaulk 150+ Firestop Sealant

- General Intumescent fire rated sealant for construction joints & through penetrations which prevents spread of flames/smoke/hot gases/water
- Rated for up to 4 hours as per ASTM E814 (UL1479) & ASTM E1966 (UL 2079) test standards
- Water-based, non-sag and VOC compliant
- Protected in wet & dry stages against mold growth with a combination of biocides
- Flexible set and excellent freeze-thaw and cures to an elastomeric seal suitable where dynamic movement is expected
- For interior use & paintable
- No dilution/mixing is required



Order #	Mfg. #	Size	Color	Each
G81-147	66648	10.3 Oz.	Red	**22.99**

Metcaulk 835+ Firestop Silicone Sealant

- 1-component, fire-rated elastomeric silicone sealant for through penetration firestops
- Prevents flames/smoke/gas/water spreading through penetration openings
- Silicone based - use in systems where dynamic movement is expected
- STC rating 55 as well as FBC System Compatible- indicates that product has been tested, and is monitored on an ongoing basis to assure chemical compatibility with FlowGuard Gold, BlazeMaster and Corzan pipe and fittings
- Flexible and non-slump formula with neutral, moisture cure and low odor
- Excellent moisture resistance and protected in wet & dry stages against mold growth with a combination of biocides
- Use in interior or exterior expansion, contraction and control joints and in exterior and interior penetrations



Order #	Mfg. #	Size	Color	Each
G81-148	66645	10.15 Oz.	Gray	**69.00**

Black Jack All Weather Asphalt Roof Cement

- Waterproof — forms a tight strong seal
- Use on wet or dry surfaces
- Resistant to temperature changes
- Stays soft and pliable
- Ideal for sealing flashings and roof penetrations



A



B

Fig.	Order #	Mfg. #	Size	Each
A	**G80-319**	RM-10	10 Oz.	**13.49**
B	**G80-320**	RM-1G	One Gallon	**59.00**

Adhesive Sealants

Red Devil



- SPEC 230 Celulon™, 50-year durability
- Construction grade acrylic sealant, 35-year
- Paintable, cleans up with water

Order #	Mfg. #	Size	Color	Each
G89-779	0927-OI	10.1 Oz.	Clear	**10.99**
G89-780	0926-OI	10.1 Oz.	White	**9.85**
G89-781	0846-5I	10.1 Oz.	Gray	**10.49**
G89-782	0846-2I	10.1 Oz.	Almond	**10.49**

Kitchen & Bath Caulk

Red Devil



- Rubber-like acrylic sealant applies easily and gives a long-lasting, watertight, elastic seal
- Use between all types of tile, around tubs, showers, sinks
- Non-flammable, mildew-resistant
- Water clean-up, paintable, won't stain or bleed
- Exceeds ASTM C-834-76 requirements

Order #	Mfg. #	Size	Color	Each
G89-783	0405	5.5 Oz. Tube	White	**7.95**
G89-963	0445	5.5 Oz. Tube	Clear	**10.99**
G89-784	0406	10.1 Oz. Cartridge	White	**10.49**

Gutter and Foundation Sealants

Red Devil



- Butyl rubber sealant
- Durable, watertight seal
- Solvent clean-up

Order #	Mfg. #	Size	Color	Each
G89-966	0697-0I	10.1 Oz.	White	**13.99**
G89-967	0697-GI	10.1 Oz.	Aluminum Gray	**14.49**

100% Industrial Grade RTV Silicone Sealants

Red Devil



- One component RTV (Room Temperature Vulcanizing) silicone sealant
- Stays flexible, adheres to aluminum, plastic, metal, glass, ceramic tile and most non-porous surfaces
- Waterproof and weather proof
- Resists cracking, shrinking and peeling
- Service temperature of -60°F to 400°F
- Skins over in five minutes, dries to the touch in 30 minutes, cures in 24 hours
- Meets the requirements of FDA regulation #21CFR177.2600
- **G89-953** and **G80-009** are formulated with iron oxide to withstand constant temperatures of 500°F and 600°F intermittent

Order #	Mfg. #	Size	Color	Each	12 Lot
G89-772	820	2.8 Oz. Tube	Clear	**11.49**	**10.99**
G89-773	810	2.8 Oz. Tube	White	**11.99**	**11.49**
G89-953	0829/0I	2.8 Oz. Tube	Red (Hi Temp)	**18.49**	**16.99**
G89-774	0826/0I	10.1 Oz. Cartridge	Clear	**16.99**	**14.99**
G89-775	0816/0I	10.1 Oz. Cartridge	White	**16.99**	**14.99**

Order #	Mfg. #	Size	Color	Each	12 Lot
G89-776	0816/5I	10.1 Oz. Cartridge	Aluminum	**16.99**	**14.99**
G89-777	0816/6I	10.1 Oz. Cartridge	Black	**16.99**	**14.99**
G89-778	0816/4I	10.1 Oz. Cartridge	Bronze	**16.99**	**14.99**
G80-009	0809/0I	10.1 Oz. Cartridge	Red (Hi Temp)	**21.49**	**19.49**

Professional 100% RTV Silicone Sealants

◀ NEW

DAP ON THE JOB SINCE 1865.



- 100% waterproof/weather resistant
- Service temperature -40° to 475°F
- Safe for incidental food contact - NSF certified
- Will not crack or shrink
- Interior/exterior

Order #	Mfg. #	Size	Color	Each
G81-080	08010	10.3 Oz. Cartridge	White	**14.49**
G81-081	08011	10.3 Oz. Cartridge	Clear	**14.49**
G81-082	08012	10.3 Oz. Cartridge	Aluminum	**14.49**
G81-164 ◀	08642	9.8 Oz. Cartridge	Black	**14.49**
G81-094	08013	10.3 Oz. Cartridge	Red Hi Temp	**15.99**

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Blue RTV Silicone Gasket

- Cures to strong, flexible rubber
- Seals flanges against leakage
- Temp. range: -65°F to +500°F intermittent



Order #	Mfg. #	Description	Size	Color	Approval/Listed	Case Qty.	Each
G31-699	95565	Blue RTV Silicone Gasket Maker	3 Oz.	Blue	ASTM D 4359	12	**19.99**

Thread Locker Blue

- **G22-680** blue is removable thread locker for easy disassembly (medium strength) for fasteners between 1/4" and 3/4"



Order #	Mfg. #	Description	Size	Color	Approval/Listed	Case Qty.	Each
G22-680	95560	Med Strength Threadlocker Blue	.20 FL Oz.	Blue	ASTM D 5363 AN0321 (Mil-S-46163A, Type II, Grade N)	12	**24.49**

Leak Lock Joint Sealer

- Seals by adhering to internal joint surfaces and by filling joint voids
- Permanent, flexible material keeps joints tight under extremes of vibration at temperatures from -100°F to +400°F and pressures from vacuums to 10,000 PSI
- For all piping metal or plastic to seal refrigerants, petroleum products, natural or manufactured gas, air, steam, water and most chemicals



Order #	Mfg. #	Size	Each
B10-853	HS10001	1.3 Oz.	**18.99**
B11-759	HS10004	4.0 Oz.	**44.49**

Hazardous Material Shipping Alert

System Safe Thread, Joint & Gasket Sealant

- Use on mini-spits, ductless systems, flare fittings, compression fittings, gaskets, schrader valves, threads and O-rings
- Compatible with all refrigerants
- Will not contaminate system
- No mess application



Order #	Mfg. #	Each
B22-431	3S	**30.99**

Nylog™ Gasket Thread Sealants and Assembly Lube

- Renders a strong, flexible, lubricative glaze that prevents high pressure leakage
- Provides high tack lubrication
- Will not dry, harden, or contaminate system



Order #	Mfg. #	Description	Each
B22-204	RT200RP	CFC and HCFC Compatible; Will not Contaminate System (2Pk.)	**47.49**
B22-203	RT201BP	Compatible with all Refrigerants; Will not Contaminate System (2 Pk.)	**55.00**

Nu-Calgon

NuLock Thread and Flange Sealants



- Applications include threaded metal fasteners and flange assemblies, locks and seals metal fasteners and ideal for metal pipe thread, flare and compression fittings
- Use for thread locking bolts/nuts, screws and studs in place
- Protects threads from rusting
- Provides added sealability in flange assemblies
- Quick and easy to apply
- Fast curing
- Excellent chemical resistance
- Excellent temperature range
- Fittings can be removed with hand tools after product cure
- **B22-285**: General purpose formula for thread locking/sealing of metal pipe thread, flare fittings, compression fittings, bolt/nut, screw and stud fasteners; Medium strength, excellent chemical resistance
- **B22-287**: Ideal for flare fitting sealing/locking duty in refrigerant systems due to maximum chemical resistance and higher strength; Also suitable metal pipe thread fittings, bolt/nut, screw and stud fastener applications when added strength is desired.
- **G38-274**: Thread sealant and locker with PTFE for metal pipe thread
- **G38-275**: Sealant for rigid metal faces and flanges to improve sealability; Designed to provide sealing in small gap fill areas of 0.01 inch or smaller; Cures to flexible seal; Excellent chemical resistance; Low strength formula allows for easy flange removal when necessary

Order #	Mfg. #	Description	Size	Each
B22-285	4289-01	NuLock, General Purpose Sealant	50 ml bottle	**55.00**
B22-287	4289-05	NuLock, Refrigerant Thread Sealant	10 ml Bottle	**15.49**
G38-274	4289-03	NuLock, Thread Sealant with PTFE	50 ml tube	**55.00**
G38-275	4289-04	NuLock, Flange Sealant	50 ml tube	**55.00**

HIGHSIDE CHEMICALS INC.

Red Epoxy



- Formulated for patching or sealing on all metals including aluminum and some plastics
- Includes two 0.5 oz. tubes
- Curing may be performed with a hot air gun or an open flame
- Exhibits a unique color change when completely heat cured
- Equipment is serviceable within minutes
- Temperature range: -100°F to +300°F, bursting strength: 6,000 PSI

Order #	Mfg. #	Each
B81-567	HS12001	**69.00**

LA-CO®

Heat-Seal Stik®



- Seals leaks almost instantly in refrigerator evaporators and tubing
- Works on all metals and ceramics
- Withstands pressure up to 450 PSI, temperatures up to 350°F

Order #	Mfg. #	Each
B11-001	11575	**69.00**

Permatex

Industrial Strength Instant Adhesives



- Two gram squeeze tube develops strength to 5000 PSI

Order #	Mfg. #	Description	Set Time	Strength	Each
G31-834	95558	Super Glue	30 Sec.	Extra Strength	**10.49**
G31-580	95557	Super Glue Gel	30 Sec.	Extra Strength	**14.49**

Permatex

Crystal Clear Epoxies



- Fast, waterproof, hardens to crystal clear finish
- Adheres to all metals, glass, wood, etc.
- Ideal for transparent repairs; semi-flexible and tough
- Comes in 1 oz. size

Order #	Mfg. #	Description	Set Time	Strength	Each
G21-214	95555	General Purpose Epoxy	5 Min.	Regular	**23.99**
G22-333	95556	High Strength General Purpose Epoxy	30 Min.	2-Ton	**24.99**

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Epoxy Putty

DIVERSITECH

- Wet or dry fast cure; sets in 10–15 minutes, cures in one hour
- Adheres to damp surfaces and cures under water
- Gray color, can be sanded, drilled, machined, sawed and painted
- Temperature range: -65°F to +250°F

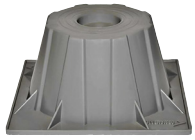


Order #	Mfg. #	Each
G22-400	DEP8001	**75.00**

Equipment Risers

DIVERSITECH

- Elevates heat pumps, A/C air handlers or other equipment
- Allows drainage, keeps corrosion of metal bases to a minimum
- Absorbs vibrations and noise



A



B



C

Fig.	Order #	Mfg. #	Description	Each
A	**B81-503**	HPR-3	3"	**7.85**
B	**B82-897**	HPR-3-2P	3" (2-Piece)	**16.99**
A	**B81-504**	HPR-6	6"	**11.99**
B	**B82-898**	HPR-6-2P	6" (2-Piece)	**16.99**

Fig.	Order #	Mfg. #	Description	Each
C	**B86-374**	AER-8	5"- 8" Adjustable	**24.49**
—	**B87-485**	AER-8BL	5"- 8" Adjustable Black	**26.49**
—	**B85-733**	HPR-12	12"	**32.49**

Pad Tie Down Clips

DIVERSITECH

- Easily secures condensing units to pads or stands
- Galvanized steel



Order #	Mfg. #	Description	Each
B22-009	TDC-4	4"	**25.99**
B22-010	TDC-6	6"	**35.99**
B22-011	TDC-8	8"	**47.99**
B22-012	TDC-10	10"	**59.00**
B22-013	TDC-12	12"	**75.00**

E Lite® Condensing Unit Pads

DIVERSITECH

- Rugged design provides uniform and generous ribbing for optimum, self-leveling ground support without inserts
- Lightweight and unaffected by UV or weather
- Texture to prevent unit sliding
- Classic appearance with rounded edges and concrete gray color
- Drillable for securing unit
- Limited lifetime warranty



Order #	Mfg. #	Length	Width	Height	Wt. Lbs.	Each
B96-920	EL1838-3	18"	38"	3"	16	**65.00**
B92-409	EL2424-2	24"	24"	2"	7	**43.49**
B92-410	EL2424-3	24"	24"	3"	13	**45.49**
B92-209	EL2436-2	24"	36"	2"	11	**75.00**
B92-210	EL2436-3	24"	36"	3"	19	**85.00**
B60-825	EL2448-3	24"	48"	3"	24	**85.00**
B96-353	EL2626-2	26"	26"	2"	8	**85.00**
B96-349	EL3030-2	30"	30"	2"	11	**59.00**
B96-350	EL3030-3	30"	30"	3"	20	**79.00**
B92-533	EL3232-2	32"	32"	2"	13	**65.00**
B92-534	EL3232-3	32"	32"	3"	21	**79.00**
B92-212	EL3244-3	32"	44"	3"	30	**179.00**

Order #	Mfg. #	Length	Width	Height	Wt. Lbs.	Each
B94-676	EL3636-2	36"	36"	2"	16	**75.00**
B94-677	EL3636-3	36"	36"	3"	28	**99.00**
B99-578	EL3640-2	36"	40"	2"	17	**175.00**
B70-415	EL3640-3	36"	40"	3"	33	**185.00**
B96-483	EL3648-2	36"	48"	2"	29	**205.00**
B96-921	EL3648-3	36"	48"	3"	36	**149.00**
B99-126	EL3870-3	70"	38"	3"	38	**409.00**
B70-418	EL4040-3	40"	40"	3"	34	**99.00**
B70-419	EL4558-3	45"	58"	3"	34	**409.00**
B99-127	EL5252-3	52"	52"	3"	50	**455.00**
B99-128	EL5658-3	56"	58"	3"	45	**505.00**

DIVERSITECH

EcoPad™ Condensing Unit Pads

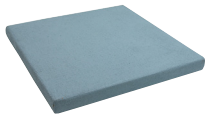
- Injection molded pad created from 100% recycled materials
- Resistant to impact, ultra-violet degradation and weathering, and will not crack, flake or warp
- Drillable



Order #	Mfg. #	Length	Width	Height	Wt. Lbs.	Each
B75-783	EP1838-3	18"	38"	3"	10	**65.00**
B75-784	EP2424-3	24"	24"	3"	8	**55.00**
B65-055	EP2448-3	24"	48"	3"	18	**89.00**
B75-785	EP3030-3	30"	30"	3"	11	**85.00**
B75-786	EP3232-3	32"	32"	3"	15	**89.00**
B75-788	EP3636-3	36"	36"	3"	16	**105.00**
B75-789	EP3648-3	36"	48"	3"	23	**165.00**
B75-790	EP3842-3	38"	42"	3"	20	**115.00**
B75-791	EP4040-3	40"	40"	3"	24	**115.00**
B63-128	EP4558-3	45"	58"	3"	43	**469.00**
B60-244	EP5060-3	50"	60"	3"	40	**545.00**
B63-127	EP5252-3	52"	52"	3"	40	**465.00**

DIVERSITECH

UltraLite® Condensing Unit Pads



- Natural textured cement surface
- Surface prevents unit slide and allows moisture drainage while the polystyrene core prevents warping and resists settling
- Fiber cement coating, flexes instead of cracking or breaking
- Lightweight at less than 2.5 lb./sq. ft.
- Easy to store, move and set in place
- Limited lifetime warranty

Order #	Mfg. #	Length	Width	Height	Wt. Lbs.	Each
B96-922	UC1636-3	16"	36"	3"	18	**79.00**
B62-312	UC1838-3	18"	38"	3"	20	**95.00**
B92-710	UC2424-3	24"	24"	3"	18	**79.00**
B64-417	UC2430-3	24"	30"	3"	19	**109.00**
B92-711	UC2436-3	24"	36"	3"	26	**115.00**
B96-352	UC2626-3	26"	26"	3"	29	**105.00**
B96-348	UC3030-3	30"	30"	3"	23	**115.00**
B64-418	UC3036-3	30"	36"	3"	25	**165.00**

Order #	Mfg. #	Length	Width	Height	Wt. Lbs.	Each
B92-712	UC3232-3	32"	32"	3"	26	**129.00**
B92-713	UC3445-3	34"	45"	3"	39	**239.00**
B96-355	UC3636-3	36"	36"	3"	34	**175.00**
B99-580	UC3642-3	36"	42"	3"	32	**195.00**
B96-923	UC3648-3	36"	48"	3"	37	**239.00**
B96-357	U3865-3	38"	65"	3"	85	**385.00**
B96-358	U5053-3	50"	53"	3"	92	**409.00**

DIVERSITECH

Heat Pump Pads



- Gray recycled polypropylene material
- 8" ground clearance
- Fits up to 36" x 36" heat pumps
- Includes eight anti-vibration pads

Order #	Mfg. #	Length	Width	Height	Wt. Lbs.	Each
B76-489	HP3232-8	32"	32"	8"	16	**185.00**
B71-554	HP3636-8	36"	36"	8"	17	**205.00**

BRINMAR

Condensing Unit Covers



- Premium 24 oz. industrial vinyl with cloth backing
- Top-vented to allow air circulation and prevent condensation
- Precision tailored to fit the exact shape of each cabinet
- Keeps out dirt and debris during the off season; reduces maintenance cost and prolongs life
- Specially treated against mold, mildew, fungus, UV and sub-zero temperatures
- Lifetime warranty
- Order by model number, not dimension; similar dimensions may have different refrigeration line configurations and different covers

Order #	Mfg. #	For Use With	Color	Each
Goodman/Amana				
X89-952	0630AV	ASC130181A, GSC130181A, GSC130181B, GSC130301D, GSC130301E, VCS130181A	Gray	**89.00**
X89-953	0630BV	ASC130241A, GSC130241C, GSC130301C, GSC130241A, GSC130241C, GSC130301C, GSC130301D, VCS130301A	Gray	**119.00**
X89-954	0630CV	ASX130181A, ASX130241A, ASX130301A, ASX140181A, ASX140181C, ASX140241A, ASX140241B, ASX140241C, ASXH3N2410A, ASXN402410A, GSC140181A, GSC140181B, GSC140241A, GSC140241B, GSX130181A, GSX130241A, GSX130301A, SSX140241A, DSX160241A, GSC140181A, GSC140181B, GSC140241A, GSC140241B, GSX130181A, GSX130241A, GSX130301A, DSX160241A, GSC140181A, GSC140181B, GSC140241A, GSC140241B, GSX130181A, GSX130241A, GSX130301A, GSX130301L, GSX140251M, GSXB401810A, GSXN3N2410A, SSX140181, SSX140181A, SSX140241, SSX140241A, SSX140241B, VSX130301L	Gray	**105.00**

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Order #	Mfg. #	For Use With	Color	Each
X82-577	0630DV	ASX130181C, ASX130181D, ASX130241B, ASX130241C, ASX130301B, ASX130301C, ASX130361D, ASX140181B, ASX140181D, ASXH3N1810A, ASXH401810A, ASXH501810A, ASXN401810A, GSC130181C, GSC130241D, GSX130181B, GSX130181C, GSX130241B, GSX130301B, GSX140181A, SSX140181B,GSC130181C, GSC130181D, GSC130181G, GSC130241D,GSC130241E, GSX130181B, GSX130181C, GSX130241B, GSX130241C, GSX130241E, GSX130301B, GSX130301M, GSX130361E, GSX130361F, GSX140181, GSX140191,GSX140241, GSX140251, GSXH501810A, GSXM401810A, GSXN3N1810A, GSXN401810A, SSX140181B, VCS130241A, VSX130181A, VSX130181B, VSX130241A, VSX130241B, VSX130241E, VSX130301A, VSX130301B, VSX130361E, VSX140181, VSX140191, VSX140241, VSX140251	Gray	**89.00**
X89-955	0631AV	ANX140301A, ANX140311A, ANX140361A, ANX140371A, ASC130301A, ASX130361A, ASX140301A, ASX140301B, ASX140301C, ASX140361B, ASX140361C, ASX160181F, ASX160241A, ASX160241F, ASXC160241B, ASXC160241C, ASXC160361B, ASXH3N3010A, ASXH3N3610A, ASXH402410A, ASXH502410A, GSC130301B, GSC140301A, GSC140301B, GSX130361A, GSX140301A, GSX140361A, SSX140301A, SSX140301B, SSX160241BA, SSX160301AA, SSX160361BA, DSXC160241AC, GSC130301B, GSC140301A, GSC140301B, GSX130361A, GSX140301, GSX140301K, GSX140311, GSX140361, GSX140371, GSX160181, GSX160241, GSX16S181A, GSX16S241A, GSXB402410A, GSXC160241C, GSXH502410A, GSXM402410A, GSXN3N3010A, GSXN3N3610A, SSX140301, SSX140301A, SSX140301B, SSX160241BA, SSX160301AA, SSX160361BA, VSX140301, VSX140311, VSX140361, VSX140371	Gray	**115.00**
X89-956	0631BV	ASC130361A, ASC130421A, ASX130421A, ASX140361A, ASZH401810A, ASZH402410A, GSC130361A, GSC130363A, GSC130421A, GSC140361A, GSC140361B, GSX130421A, SSX140361A, GSC130301A, GSC130361A, GSC130361BA, GSC130361CA, GSC130361D, GSC130361E, GSC130363A, GSC130421A, GSC130483B, GSC130484B, GSC140361A, GSC140361B, GSX130421A, GSZ130483A, GSZ130484A, GSZ140181/191, GSZ140241/251, SSX140361, SSX140361A, VCS130361A, VCS130421A	Gray	**115.00**
X89-957	0631CV	ASC130481A, ASX130481A, ASX140421B, ASX160311A, ASX160361A, ASX160361F, ASXN403010A, ASZH403010A, ASZH501810A, GSC130481A, GSC130483A, GSC130484A, GSC140421B, GSX130481A, GSX140421A, SSX140421B, SSX160241AA, SSX160361AA, DSX160361A, DSXC160241AA, DSXC160361AA, DSXC160361AC, GSC130481A, GSC130483A, GSC130484A, GSC140421A, GSX130481A, GSX160311, GSX160361, GSX16S361A, GSXN403010A, GSZ130363A, SSX140421, SSX140421B, SSX160241AA, SSX160361AA, VCS130481A	Gray	**145.00**
X82-467	0631DV	ANX130421A, ANX130481A, ANX140301B, ANX140421A, ASX130421B, ASX130421C, ASX130481B, ASX130481C, ASX140421C, ASX140421D, ASX160301F, GSC130481B, GSX130421B, GSX130481B, SSX140361B, SSX140421C, SSX160421AA, GSC130481B, GSC130481C, GoodmanGSX130421B, GSX130421C, GSX130481B, GSX130481C, GSX130483A, GSX130484A, GSX140301L, GSX140301M, GoodmanGSX140421, GSX140431, GSX160301, GSX16S301A, GSZ140301, GSZ140361, GSZ140481, GSZB401810A, GSZB402410A, SSX140361B, SSX160361AB, SSX160421AA, VSX130421A, VSX130421B, VSX130481A, VSX130481B, VSX140421, VSX140431	Gray	**145.00**
X82-578	0631EV	GSC130361F, GSC130421B, GSC130361F, GSC130361G, GSC130363B, GSC130421B	Gray	**99.00**
X82-468	0631FV	ANX130601A, ASX130601C, ASXH3N4210A, GSC130601C, GSX130601B, GSC130601B, GSC130601C, GSC130601D, GSC130603B, GSC130604B, GSX130601B, GSX130601C, GSX130603A, GSX130604A, GSXN3N4210A, GSZB403010A, GSZH501810A, SSX140421C, VSX130601B	Gray	**145.00**
X82-469	0631GV	ASX130361C, GSX130361B, GSX130361B,GSX130361C, GSX130363A, VSX130361A, VSX130361C	Gray	**95.00**
X89-958	0632AV	ANX130611A, ASC130601A, ASC130601B, ASX130601A, ASX130611A, ASX140421A, ASX140481A, ASX140481B, ASX140601A, ASX140601B, ASX160481A, ASX160481F, ASX160601A, ASX160601F, ASX160611F, ASX180361A, ASX180481A, ASX180601A, ASXC160481A, ASXC160601A, ASXC160601B, ASXC180361A, ASXC180481A, ASXC180601A, ASXN404210A, ASXN404810A, ASZH403610A, ASZH503010A, ASZH503610A, AVXC200241A, AVXC200361A, GSC130601B, GSC130603A, GSC130604A, GSC140421A, GSC140481A, GSC140601A, GSX130601A, GSX140481A, GSX140601A, SSX140481A, SSX140601A, SSX160481AA, SSX160591AA, SSX160601AA, SSX160601BA. DSX160481A, DSX160601A, DSX180361A, DSX180481A, DSX180601A DSXC160481AA,DSXC160601AA, DSXC160601BA, DSXC160601BC, DSXC180361A, DSXC180361AA, DSXC180481A, DSXC180481AA, DSXC180601A, DSXC180601AA, GSC130603A, GSC130604A, GSC140481A, GSC140601A, GSX130611A, GSX130611B, GSX140601, GSX160481F, GSX160601, GSX160611, GSX16S481A, GSXB403010A, GSXB403610A, GSXC160481C, GSXC702410A, GSXC703610A, GSXH503010A, GSXH503610A, GSXM403010A, GSXM403610A, GSXN404210A, GSXN404810A, GVXC200241A, GVXC200361A, SSX140421A, SSX140481, SSX140481A, SSX140601, SSX140601A, SSX160481AA, SSX160591AA, SSX160601AA, SSX160601BA, VCS130601A, VSX130611, VSX140601	Gray	**159.00**
X83-235	0632DV	ANX140481A, ANX140601A, ASX140481C, ASX160371A, ASX160421F, ASXC160361C, ASXC160481B, ASXC160481C, ASXH3N4810A, ASXH404210A, ASXH404810A, ASXH504210A, ASXH504810A, ASXN403610A, ASXN406010A, ASZH404810A, ASZH504210A, ASZH504810A, SSX140481B, SSX160481BA, DSXC160481BC, GSX140481, GSX160371, GSX160421, GSX160481, GSX16S421A, GSXB404210A, GSXB404810A, GSXC160361C, GSXH504210A, GSXH504810A, GSXN3N4810A, GSXN403610A, GSXN406010A, GSZB404210A, GSZB404810A, GSZH502410A, GSZH504210A, GSZH504810A, VSX140481	Gray	**139.00**
X82-582	0755AV	GSX130181D, GSX130181D, VSX130181D	Gray	**85.00**
X82-583	0755BV	GSX130241D, GSX130301D, GSC130181F, GSC130241F, GSX130361D, VSX130241D, VSX130301D	Gray	**85.00**
X82-584	0755CV	GSX130361D, VSX130361D	Gray	**109.00**
X82-585	0755DV	GSX130181E, GSX130181F, GSX130241D, GSX130241F, GSX130301D, GSX140181N, VSX130181E, VSX130241F	Gray	**85.00**
Daikin				
X83-236	0772AV	DX13SA0181A, DX13SA0241A, DX13SA0301A, DX13SA0361A, DX13SN0181A, DX13SN0241A, DX13SN0301A, DX13SN0361A, DX14SA0181A, DX14SA0181B, DX14SA0191A, DX14SA0191B, DX14SA0241A, DX14SA0251A, DX14SN0181, DX14SN0191, DX14SN0241, DX14SN0251, DX3SEN1810A, DX4SEA1810A, DX5SE1810A, DX5SEA1810A	Gray	**89.00**
X83-237	0773AV	DX14SA0301A, DX14SA0311A, DX14SA0361A, DX14SA0371A, DX14SN0301, DX14SN0311, DX14SN0361, DX14SN0371, DX16SA0181A, DX16SA0241A, DX16TC0241A, DX16TC0241C, DX16TC0361A, DX3SEN3010A, DX3SEN3610A, DX4SEA2410A, DX5SE2410A, DX5SEA2410A	Gray	**109.00**
X83-238	0773BV	DX13SA0421A, DX13SA0481A, DX13SA0483A, DX13SA0484A, DX13SN0421A, DX13SN0481A, DX14SA0421A, DX14SA0431A, DX14SN0421, DX14SN0431, DX16SA0301A	Gray	**145.00**
X83-239	0773CV	DX16SA0311A, DX16SA0361A	Gray	**145.00**
X83-240	0774AV	DX14SA0481A, DX14SN0481, DX16SA0371A, DX16SA0421A, DX16TC0361C, DX16TC0481A, DX16TC0481C, DX3SEN4810A, DX4SEA4210A, DX4SEA4810A, DX5SE4210A, DX5SE4810A, DX5SEA4210A, DX5SEA4810A	Gray	**139.00**
X83-241	0774BV	DX13SA0603A, DX13SA0604A, DX13SA0611A, DX13SN0611A, DX14SA0601A, DX14SN0611, DX16SA0481A, DX16SA0601A, DX16SA0611A, DX16TC0601A, DX18TC0361A, DX18TC0481A, DX18TC0601A, DX20VC0241A, DX20VC0241B, DX20VC0361A, DX20VC0361B, DX3SEN6010A, DX4SEA3010A, DX4SEA3610A, DX5SE3010A, DX5SE3610A, DX5SEA3010A, DX5SEA3610A, DX7TC02410A, DX7TC03610A	Gray	**159.00**

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Order #	Mfg. #	For Use With	Color	Each
Coleman/Evcon				
X83-242	0496AV	AC19B2421S, CC17B2421S, CC7B4221S, CC7B4821S, TCF2B48T21S, TCF2B60T21S, TF3B6021S, TF4B6021S	Gray	**159.00**
X83-243	0496BV	TC4B6021S, TCD260SB21S, TCD60B31S, TCD60B41S, TCD60B51S, TCE2B60S21S, TW4B6021S	Gray	**159.00**
X83-244	0496CV	AC21B4821S, CC7B6021S, CC7B6021SA	Gray	**159.00**
X82-470	0689AV	GCGD12S21S2, TC3B1821H, TC3B1821S, TCGD12S21S1, TCGD12S21S1H, TCGD12S21S2	Gray	**85.00**
X82-471	0689BV	CCGD24S21Q2, CCJD18S21S2(H), CCJD18S41S1, CCJD24S21S2(H), CCJD24S41S1, CCJD30S41S1, GCGD18S21S2, GCGD18S41S1, GCGD18S41S3, GCGD24S21S2, GCGD24S41S1, GCGD24S41S3, GCGD30S41S1, GCGD30S41S3, GCGD30S43S1, GCGD30S44S1, TC3B1822S, TC3B2421H, TC3B2421S, TC3B2422S, TC3B2423S, TCGD18S21S1H, TCGD18S21S2, TCGD18S41S1, TCGD18S41S3, TCGD18S41S3H, TCGD24S21S1, TCGD24S21S1H, TCGD24S21S2, TCGD24S41S1, TCGD24S41S3, TCGD24S41S3H, TCGD30S41S1, TCGD30S41S3, TCGD30S41S3H, TCGD30S43S1, TCGD30S44S1, TCJD18S41S1, TCJD18S41S3, TCJD18S41S3E, TCJD18S41S3H, TCJD24S41S1, TCJD24S41S3, TCJD24S41S3E, TCJD24S41S3H, TCJD30S41S1, TCJD30S41S3, TCJD30S41S3E, TCJD30S41S3H, TCJD30S43S3, TCJD30S44S3	Gray	**85.00**
X82-472	0689CV	CCGD30S21Q2, CCJD30S21S2(H), GCGD30S21S2, TCGD30S21S1, TCGD30S21S1H, TCGD30S21S2, TF3B1821S, TF3B2421S, TW4B1821S	Gray	**105.00**
X82-473	0689DV	CCGD36S21Q2, CCJD36S21S2(H), GCGD36S21S2, TC3B3621H, TC3B3621S, TC3B3622S, TC4B1821H, TCD224SB21S, TCD230SB21S, TCGD36S21S1, TCGD36S21S1H, TCGD36S21S2	Gray	**105.00**
X83-245	0689EV	TF4B1821S	Gray	**109.00**
X83-246	0689FV	TC3B3021H, TC3B3021S, TC3B3022S, TC4B1822S, TCD218SB21S,	Gray	**95.00**
X82-474	0690AV	CCGD42S21Q2, CCGD48S21Q2, CCJD42S21S2(H), CCJD48S21S2(H), GCGD42S21S2, GCGD48S21S2, TCGD42S21S1, TCGD42S21S1H, TCGD42S21S2, TCGD48S21S1, TCGD48S21S1H, TCGD48S21S2	Gray	**115.00**
X82-475	0690BV	CCGD60S21Q2, CCJD60S21S2(H), GCGD60S21S2, TCGD60S21S1,TCGD60S21S2	Gray	**145.00**
X82-476	0690CV	CCJD36S41S1, CCJF24S41S1, GCGD36S41S1, GCGD36S41S3, GCGD36S43S1, GCGD36S44S1, TC3B4221H, TC3B4221S, TC4B2422S, TC4B3022S, TCF2B18S21S, TCF2B24S21S, TCGD36S41S1, TCGD36S41S3 TCGD36S41S3H, TCGD36S43S1, TCGD36S44S1, TCGF24S41S1, TCGF24S41S3, TCJD36S41S1, TCJD36S41S3, TCJD36S41S3E, TCJD36S41S3H, TCJD36S43S3, TCJD36S44S3, TCJD42S41S4E, TCJD42S41S4H, TCJF18S41S, TCJF24S41S, TCJF24S41S3	Gray	**105.00**
X82-477	0690DV	CC7B1821S, CC7B2421S, CCJD42S41S1, CCJD48S41S1, GCGD42S41S1, GCGD42S41S3, GCGD42S43S1, GCGD42S44S1, GCGD48S41S1, GCGD48S41S3, GCGD48S43S1, GCGD48S44S1, TC3B4222S, TC3B4223S, TC3B4821S, TC4B2421H, TC4B3021H, TC4B3622S, TCD236SB21S, TCD30B31S, TCD30B41S, TCE2B18S21S, TCE2B24S21S, TCF2B30S21S, TCGD42S41S1, TCGD42S41S3, TCGD42S41S3H, TCGD42S43S1, TCGD42S44S1, TCGD48S41S1, TCGD48S41S3, TCGD48S41S3H, TCGD48S43S1, TCGD48S44S1, TCJD42S41S1, TCJD42S41S3, TCJD42S41S3H, TCJD42S43S3, TCJD42S44S3, TCJD48S41S1, TCJD48S41S3, TCJD48S41S3E, TCJD48S41S3H, TCJD48S43S3, TCJD48S44S3, TF4B2421S, TW4B2421S, TW4B3021S	Gray	**105.00**
X82-478	0690EV	CCJF30S41S1, CCJF36S41S1, TC3B6021S, TC3B6022S, TC4B3621H, TC4B4222S, TCD242SB21S, TCD36B31S, TCD36B41S, TCD36B51S, TCE2B30S21S, TCGF30S41S1, TCGF30S41S3, TCGF36S41S1, TCGF36S41S3, TCJF30S41S, TCJF30S41S3, TCJF36S41S, TCJF36S41S3, TF3B3021S, TF3B3621S, TW4B3621S	Gray	**145.00**
X82-479	0716AV	CCJF42S41S1, TCGF42S41S1, TCGF42S41S3, TCJF42S41S, TCJF42S41S3	Gray	**139.00**
X82-480	0716BV	GCGD48S60S1, GCGD60S41S1, GCGD60S41S3, GCGD60S44S1, TCGD60S41S1, TCGD60S41S3, TCGD60S41S3H, TCGD60S43S1, TCGD60S44S1, TCJD60S41S1, TCJD60S41S3, TCJD60S41S3E, TCJD60S43S3, TCJD60S44S3	Gray	**139.00**
X82-481	0716CV	CCJF48S41S1, TCGF48S41S1, TCGF48S41S3, TCJF48S41S, TCJF48S41S3, TCJF48S41S4	Gray	**155.00**
X82-482	0716DV	CCJF60S41S1, TCGF60S41S1, TCGF60S41S3, TCJF60S41S, TCJF60S41S3, TCJF60S41S4	Gray	**155.00**
X82-579	0739AV	TCHD18S41S3, TCHD24S41S3	Gray	**95.00**
X82-580	0740AV	TCHD24S41S4, TCHD30S41S3, TCHD30S43S3, TCHD30S44S3, TCHD36S41S3, TCHD36S43S3, TCHD36S44S3, TCHE24S41S1, TCHE36S41S1	Gray	**125.00**
X82-581	0740BV	TCHD48S41S3, TCHD48S43S3, TCHD48S44S3, TCHD60S41S3, TCHD60S43S3, TCHD60S44S3, TCHE48S41S1	Gray	**125.00**
X83-247	0797AV	AC21B2421S, AC21B3621S, TF4B3021S, TF4B3621S, TF4B4221S, TF4B4821S	Gray	**155.00**
X83-248	0797BV	TC4B4221H, TC4B4821S, TCD248SB21S, TCD42B31S, TCD42B41S, TCD48B31S, TCD48B41S, TCD48B51S, TCE2B36S21S, TCE2B48S21S, TCF2B36S21S, TF3B4221S, TW4B4221S, TW4B4821S,	Gray	**155.00**
X83-249	0797CV	CC7B3021S, CC7B3621S, TCE2B42S21S, TCF2B42T21S, TF3B4821S	Gray	**155.00**

AC-GUARD

Air Conditioner Security Cages

- 16 gauge steel
- Installs in 30 minutes
- Adjusts to fit residential and commercial units
- Adjusts from 34”H x 30”W x 30”D to 59”H x 51”W x 51”D





Order #	Mfg. #	Description	Each
R94-642	ACGU	Security Cage	**949.00**
R94-643	ACGUKIT	Security Cage w/ Lock and Bar	**1145.00**
R94-704	ACMS	Mini-Split Security Cage w/Lock	**1145.00**
R56-710	ACL	Lock/Hide-A-Key Kit	**119.00**
R94-644	ACB	Extra Security Bar	**75.00**

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VCMA-20 Pro Condensate Pumps

Little GIANT

- Oil resistant tank eliminates problem of cracked tanks due to oil exposure
- Slim footprint offers flexibility in tight places — 4.8" x 10.2" x 6.5"
- Includes check valve and external test/run lever
- Rubber feet absorb vibration on hard surfaces
- Thermal overload protection
- **B87-871** and **B87-872** come with 20' of 3/8" tubing and external safety switch
- **B87-873** comes with an anti-sweat tank sleeve and external safety switch



Order #	Mfg. #	Volts	HP	GPH @ 1'	GPH @ 5'	GPH @ 10'	GPH @ 15'	Safety Switch	Shutoff	Each
B87-867	554620	115	1/30	84	75	60	42	No	21'	**145.00**
B87-868	554621	230	1/30	78	67	51	29	No	19'	**155.00**
B87-869	554630	115	1/30	84	75	60	42	Yes	21'	**145.00**
B87-870	554631	230	1/30	78	67	51	29	Yes	19'	**165.00**
B87-871	554650	115	1/30	84	75	60	42	Yes	21'	**159.00**
B87-872	554651	230	1/30	78	67	51	29	Yes	19'	**179.00**
B87-873	554642	115	1/30	84	75	60	42	Yes	21'	**165.00**

VCMA-15 Condensate Pumps

Little GIANT

- 1/2 gallon capacity ABS tank
- Suitable for high efficiency, gas furnace condensate removal
- Handles high acidity level condensates
- Stainless steel pump shaft
- 3/8" barbed outlet for plastic tube
- Includes check valve
- Turns on at 2-1/2", shuts off at 1-1/4"
- Dimensions: 7" H x 5" W x 9 3/4" L
- 115V
- **B82-576** comes with 20' of 3/8" tubing



Order #	Mfg. #	HP	GPH @ 1'	GPH @ 5'	GPH @ 9'	Safety Switch	Shutoff	Wt. Lbs.	Each
B82-021	554401	1/50	65	50	30	No	15'	4.6	**119.00**
B81-119	554405	1/50	65	50	30	Yes	15'	4.8	**125.00**
B82-576	554415	1/60	65	50	30	Yes	15'	5.8	**139.00**

Low Profile Vertical Condensate Pumps

Little GIANT

- Designed for limited space applications
- ABS tank
- Includes safety switch and check valve
- Additional check valve adapter for 1/4" ID vinyl tubing
- 1/4 turn, twist-off locking check valve discharge adapter for 3/8" ID tubing
- Pump switch test lever (for manual test operation)
- 3 inlet openings suitable for 3/4" PVC pipe
- Intermittent liquid temperature up to 120°F
- Thermal overload protection
- Rubber feet for vibration isolation



Order #	Mfg. #	Volts	HP	GPH @ 1'	GPH @ 5'	GPH @ 10'	GPH @ 18'	Shutoff	Each
B87-747	554201101	115	1/30	80	70	45	10	20'	**155.00**
B87-748	554202101	230	1/30	80	70	45	10	17'	**175.00**

Low Profile Plenum Rated Condensate Pumps

Little GIANT

- Designed for limited space applications
- For plenum applications. Pump is labeled "suitable for use in air handling spaces"
- Intermittent liquid temperature up to 140°F
- Includes overflow detection switch with 72" leads
- Additional check valve adapter for 3/8" copper tubing
- 1/4 turn, twist-off locking check valve discharge adapter for 3/8" ID tubing
- Pump switch test lever (for manual test operation)
- 3 inlet openings suitable for 3/4" PVC pipe
- Thermal overload protection
- Rubber feet for vibration isolation



Order #	Mfg. #	Volts	HP	GPH @ 1'	GPH @ 5'	GPH @ 10'	GPH @ 18'	Shutoff	Each
B87-749	554221101	115	1/30	80	70	45	10	20'	**429.00**
B87-750	554222101	230	1/30	80	70	45	10	17'	**485.00**

Tank Sleeve

Little GIANT

- For use in areas with high humidity
- Fit's all Little Giant standard pumps
- Prevents water damage due to pump tank sweating



Order #	Mfg. #	Each
B85-922	599138	**85.00**

Heavy-Duty Vertical Condensate Pump



- 115VAC, ABS tank
- Automatic, for use in large air conditioning and refrigeration systems
- Tank holds one gallon
- Turns on when water reaches 3-1/2"
- Turns off when level drops to 2-1/2"
- Stainless steel motor and pump shaft
- 3/8" copper tube outlet
- 6' cord with molded plug

Order #	Mfg. #	HP	GPH @ 1'	GPH @ 5'	GPH @ 9'	GPH @ 15'	GPH @ 22'	Shutoff	Each
B80-954	553240	1/5	450	440	415	380	330	45'	**885.00**

High Performance Vertical Condensate Pumps



- Automatic, for use in air conditioners or refrigeration systems
- Turns on when water reaches 3-1/2"
- Turns off when level drops to 2-1/2"
- ABS tank holds one gallon
- Stainless steel motor and pump shaft
- Handles high acidity level condensates
- 3/8" barbed outlet for plastic tube
- 6' cord with molded plug
- Includes safety switch

Order #	Mfg. #	Volts	HP	GPH @ 1'	GPH @ 5'	GPH @ 9'	GPH @ 15'	GPH @ 20'	Shutoff	Each
B80-952	553101	115	1/50	200	170	125	—	—	14'	**365.00**
B80-953	553201	115	1/18	270	250	210	175	105	24'	**379.00**
B86-433	553211	230	1/18	270	250	210	175	105	24'	**339.00**

Automatic In-Pan Condensate Pumps



- For humidifiers, ice makers and drinking fountains
- Epoxy coated aluminum housing
- Advanced non-mercury mechanical switch
- 6', 3-connector cord with 3-prong plug
- Screened inlet; 1/4" MPT outlet
- 1/150 HP, 115V, 60 Hz, 4-7/16" H x 7-7/16" L x 3-3/4" W
- Includes tank

Order #	Mfg. #	Volts	GPH @ 1'	GPH @ 3'	GPH @ 5'	Shutoff	Each
B85-661	1-ABS	115	205	180	145	10'	**379.00**
B87-406	1-ABS	230	205	180	145	10'	**379.00**

Check Valves

- Use on all pumps with a 1/4" FPT connecting to 3/8" I.D. tubing



A



B



C



D



E

Fig.	Order #	Mfg. #	Description	Each
A	**B11-849**	599065	For all VCMA pumps	**24.99**
B	**B17-827**	154724	For all VCMX pumps	**28.49**
C	**B11-236**	599061	Use on B85-661 - 1/4" Female NPT to 1/4" O.D. Tubing	**47.49**
D	**B11-237**	599062	1/2" Female NPT to 1/2" O.D. Tubing	**129.00**
E	**B11-239**	599064	3/8" O.D. Rigid Plastic or Copper to 3/8" O.D. Rigid Plastic or Copper	**85.00**

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High-Temperature Condensate Pumps

Little GIANT

- 1-gallon collection tank
- Maximum water temperature: 212 °F (100 °C)
- Suitable for plenum applications
- Stainless steel motor shaft
- 1.07" diameter inlet (with 0.69" diameter rubber grommet)
- Includes float-activated switch for automatic high-level water detection (overflow detection switch)
- 14' lead wires for power supply and overflow detection connection
- Includes adjustable right angle conduit fitting for use with flexible EMT
- Brass check valve with compression nut and ferrule for 3/8" copper tubing
- Compliant with UL 2043 standard
- Includes bottom inlet when drain outlet height is limited



Order #	Mfg. #	Volts	Amps	GPH @ 5'	GPH @ 10'	GPH @ 15'	GPH @ 20'	Shutoff	Each
B87-610	553130101	115	1.4	350	320	275	225	32	**729.00**
B87-611	553130102	208/230	0.7	350	320	275	225	32	**819.00**
B87-612	553130104	277	0.6	350	320	275	225	32	**875.00**
B87-613	553160101	115	3.5	575	560	530	505	62	**829.00**
B87-614	553160102	208/230	1.8	575	560	530	505	62	**1099.00**
B87-615	553160104	380-460 IPH	1	575	560	530	505	62	**1045.00**

ULTRAIQP Condensate Pump

◀ NEW

Asurity

- Uses TMR sensor technology (Tunneling Magnetoresistance)
- Variable speed motor determines the quietest motor speed practical and uses this speed to minimize pump noise
- Self-cleaning feature detects when a drain line is partially or fully clogged, increasing the pressure in the drain line to clear the clog
- Reversible deck for more installation options
- Translucent tank for easy and fast inspection
- Built-in safety overflow switch with alarm and run contacts shuts the system down preventing overflow
- LED and audible indicators confirm pump status
- Removable check valve for easy cleaning
- Four LED indicators (ready, motor-on/draining, clean cycle pending, alarm condition detected)



Order #	Mfg. #	Volts	Shutoff	Each
B88-124 ◀	ULTRAIQP	120	22'	**199.00**

ClearVue™ Condensate Pumps

Asurity

- Features iQ Technology™ — allows pump to adapt to changing conditions
- Includes Floatless Sensor™ technology — no float, no problems
- Variable pump speed and lift based on conditions
- Starts pumping slowly and only accelerates if needed
- Self cleaning — senses drain line clogs and enters cleaning cycle
- Variable pump speed means quiet operation
- Includes clear tank, pushbutton drain, check valve, molded silicone rubber feet and LED indicator lights
- **B85-706** includes 20' of clear 3/8" vinyl tubing



Order #	Mfg. #	Volts	Shutoff	Each
B85-705	IQP-120	120	22'	**205.00**
B85-706	IQP-120T	120	22'	**249.00**

ULTRACP Series Condensate Pumps

Asurity

- Translucent 1/2 gallon tank for easy inspection
- Vibration dampening feet and motor mounts
- Metal mounting tabs
- Four inlet holes
- LED indicators
- Float switch and duckbill-style check valve
- Handles continuous condensate up to 140°F
- **B87-642** and **B87-643** include 20' of 3/8" clear vinyl tubing



Order #	Mfg. #	Volts	Safety Switch	Shutoff	Each
B87-640	ULTRACP-22	115	Yes	22'	**179.00**
B87-641	ULTRACP-22-230	230	Yes	22'	**159.00**
B87-642	ULTRACP-22T	115	Yes	22'	**185.00**
B87-643	ULTRACP-22T-230	230	Yes	22'	**239.00**

Asurity Pro Series Condensate Pumps



- Handles condensate up to 160° F
- Sturdy metal hang tabs
- Thermally protected motor and stainless steel shaft
- **B87-638** and **B87-639** include 20' of 3/8" clear vinyl tubing

Order #	Mfg. #	Volts	Safety Switch	Shutoff	Each
B87-632	PROCP-16	115	No	16'	**115.00**
B87-633	PROCP-16-230	230	No	16'	**119.00**
B87-636	PROCP-22S	115	Yes	22'	**135.00**
B87-637	PROCP-22S-230	230	Yes	22'	**165.00**
B87-638	PROCP-22ST	115	Yes	22'	**155.00**
B87-639	PROCP-22ST-230	230	Yes	22'	**175.00**

Low Profile Condensate Pumps

NEW



- ABS tank, ABS motor and tank covers, volute and impeller
- Thermally protected motor and stainless steel shaft
- Turns on at 2-1/2", shuts off at 1.125" of water
- Includes safety switch and removable check valve with 3/8" discharge

Order #	Mfg. #	Volts	Shutoff	Each
B85-731	CP-22LP	120	22'	**175.00**
B88-119 ◀	CP-22LPT	120	22'	**179.00**
B85-732	CP-22LP-230	230	22'	**229.00**

Low Profile Plenum Rated Condensate Pumps



- Designed for use in plenums, with a low height design (4-3/8") for tight spaces
- Vibration dampening feet and motor mounts
- Metal hanging tabs
- LED indicators
- Float switch and duckbill style check valve
- Alarm safety switch

Order #	Mfg. #	Volts	Shutoff	Each
B87-522	CP-22LP-P	120	22'	**245.00**
B87-523	CP-22LP-230-P	230	22'	**289.00**

Furnace Pump



- Designed specifically to handle harsh condensing furnace applications
- Will accommodate high temperature and acidic condensate
- Hot water safe up to 190°F
- Steam resistant electronics
- Built-in P-Trap saves installation time
- Thermal overload protection
- LED indicators show pump status
- Includes check valve

Order #	Mfg. #	Volts	Shutoff	Each
B87-071	FP-22	120	22'	**269.00**

Boiler Pumps



- Designed for high lift and high temperature to accommodate harsh furnace, boiler and pressure relief applications
- Up to 46' of lift
- Up to 212°F condensate
- One gallon tank
- Low noise motor with thermal protection
- Includes check valve

Order #	Mfg. #	Volts	Shutoff	Each
B87-646	PROCP-46	120	46'	**689.00**
B87-647	PROCP-46-230	230	46'	**755.00**

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ClearVue™ Mini Pump

- Whisper quiet variable speed motor
- Features iQ Technology™
- Uses Floatless Sensor Technology™
- Compact dimensions allow it to fit anywhere - 2-1/2" x 2" x 3"
- Self cleaning



Order #	Mfg. #	Volts	Shutoff	Each
B18-367	CVMINI	120/240	35'	**415.00**

QUIETMINI-M Undermount Pump

- For ductless systems
- Ultra quiet, (21 dBA)
- Removable reservoir for easy maintenance
- Built-in safety overflow switch
- Max unit output 54,000 BTU/h, 16 kW



Order #	Mfg. #	Volts	Shutoff	Each
B22-350	QUIETMINI-M	100/240	26'	**285.00**

QUIETMINI-I Mini-Split Pump

- For ductless systems
- Ultra quiet, (21 dBA)
- Fits inside line set covers or inside cassette
- Built-in safety overflow switch
- For systems up to 2 tons



Order #	Mfg. #	Volts	Shutoff	Each
B22-536	QUIETMINI-I	100/240	26'	**285.00**

Mini White Condensate Pump

- Fits any mini-split up to 30,000 BtuH
- Surface mounts below evaporator at either end
- Self-priming
- External mount allows for easy cleaning of filter cartridge
- Quiet — only 21 db(A)
- Includes mounting grommets, 39" power cable and mounting pack



Order #	Mfg. #	Volts	Shutoff	Each
B18-409	ASP-MW-UNI	100-250	33'	**605.00**

Silent+ Mini White Pump

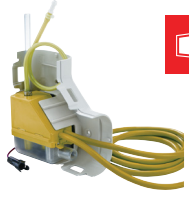
- Fits any mini-split up to 54,000 BtuH
- Silent+ features ultra-quiet operation
- Audible noise is reduced 19dB(A) tested under laboratory conditions
- Reversible - position inlet left or right for installation flexibility
- 3 stage filtration system reduces maintenance visits
- Adaptive flow control through variable speed pump linked to capacitance sensor
- Thermally Insulated Reservoir features 3 stage filtration; Simple clip/unclip single handed removal
- Capacity: 6 GPH flow at 33' head



Order #	Mfg. #	Description	Volts	Shutoff	Each
B22-349	ASP-MWS+UNI	Silent+ Mini White Kit	100-250	33'	**605.00**

Mini Lime Mini-Split Pump

- Fits any mini-split up to 54,600 BtuH
- Automatically operates on water rise
- Kits include cable assembly, ivory elbow, lineset cover, ceiling plate, reducing connector, evaporator flashing, inlet and oulet tubing, wallplugs and screws



Order #	Mfg. #	Description	Volts	Shutoff	Each
B86-046	ASP-ML-UNI	Mini-Lime Uni	100-250	33'	**775.00**

Mini and Maxi Orange Mini-Split Pumps



- Fits any mini-split up to 30,000 BtuH; Maxi-Orange up to 60,000 BtuH
- Self-priming, suction lift to 4'
- Automatically operates on water rise
- Equipped with optional alarm
- Includes reservoir with lid and sensor cable, float and filter, submersible reservoir, pump unit, breather tube, discharge tube, reducing connector and 6' orange power assembly

Order #	Mfg. #	Description	Volts	Shutoff	Each
B18-406	ASP-MO-UNI	Mini-Orange Uni	100-250	26'	**559.00**

Order #	Mfg. #	Description	Volts	Shutoff	Each
B18-407	83919	Maxi-Orange Uni	100-250	65'	**689.00**

Mini Aqua Mini-Split Pump



- Fits any mini-split up to 48,500 BtuH
- Ultraslim profile fits inside any evaporator or lineset cover
- Self-priming, suction lift to 4'
- Automatically operates on rise
- Includes reservoir, inlet hose, breather tube and discharge tube

Order #	Mfg. #	Volts	Shutoff	Each
B18-408	ASP-MA-UNI	110-250	33'	**665.00**

EC-1 Mini-Split Pump



- Improved noise reducing design (21dBA) with solid-state switching technology
- Two piece design allows reservoir to be placed in air handler, while pump control is located outside
- Quick and easy installation
- Advanced float design
- Fits most mini-splits up to 34,000 BtuH

Order #	Mfg. #	Volts	Shutoff	Each
B86-406	EC-1-DV	115-230	33'	**295.00**

Undermount Mini-Split Pump

NEW



- Undermount pump for ductless units
- Hinged reservoir platform for easy maintenance
- Dual voltage 110 – 240V
- 33' shut-off
- 2.5 gph @ 1 ft
- Maximum water temperature 140°F
- 21 dB(A)
- Hall effect switching
- Large inlet filter
- Multi-size hose drain adapter fits all popular drain hose connectors
- Includes 5' power cable

Order #	Mfg. #	Volts	Shutoff	Each
B88-118 ◀	EC-1U-DV	110-240	33'	**365.00**

Condensate Pump Pan



- Provides redundant protection from condensate overflows
- Fits condensate pump with a CS-3 (**B18-520**) switch
- No seams, no rust, no leakage

Order #	Mfg. #	Dimensions	Each
B87-793	CP-PAN	10-1/2" x 15-1/2" x 2-1/2"	**36.99**

Metal Condensate Drain Pans



- Seamless pan with rolled edges
- 26 gauge
- Two outlets
- Includes drain fittings

Order #	Mfg. #	Dimensions	Each
B98-944	6-M2748	27" x 48"	**169.00**
B98-945	6-M2763	27" x 63"	**189.00**
B98-946	6-M3030	30" x 30"	**135.00**

Order #	Mfg. #	Dimensions	Each
B98-947	6-M3050	30" x 50"	**185.00**
B98-948	6-M3060	30" x 60"	**205.00**
B98-949	6-M3263	32" x 63"	**185.00**

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Plastic A/C Secondary Condensate Drain Pans

- For use in horizontal applications
- Made of high-impact ABS plastic
- Rolled edges and ribbed bottoms for rigidity
- Reinforced corners for strength
- 3/4" PVC fittings attached to pan
- No seams, rust or leakage
- Complies with Southern Building Code No. 94167



Order #	Mfg. #	Dimensions	Each
B70-381	6-1838L	18" x 38"	**85.00**
B70-383	6-2424L	24" x 24"	**75.00**
B70-384	6-2739L	27" x 39"	125.00
B92-654	6-2748L	27" x 48"	**125.00**
B70-386	6-2763L	27" X 63"	**155.00**
B70-387	6-3030L	30" x 30"	**85.00**

Order #	Mfg. #	Dimensions	Each
B70-388	6-3050L	30" x 50"	**119.00**
B70-389	6-3060L	30" x 60"	**149.00**
B92-655	6-3263L	32" x 63"	**135.00**
B70-391	6-3636L	36" x 36"	**129.00**
B70-392	6-3660L	36" x 60"	**225.00**

High Rise Pans™

- The High Rise Pan™ is an innovative new plastic drain pan design which allows placement of an air handler 2 3/4in. above the outside lip of the pan without the need for separate, cumbersome mounting blocks
- The pan has a molded-in network of risers to give a 5in. lift
- The risers are positioned to accept a wide variety of air handler sizes
- Each riser has a specially shaped area at each end to accommodate a 2in. x 2in. anti-vibration pad which allows for quiet operation at all times
- Other features include heavy duty reinforcement throughout to give plenty of support as well as rolled edges for durability
- One-piece plastic construction ensures no rust, leaks, or seams to split
- Each High Rise Pan™ comes complete with a Condensate Cop™ float switch, 6 EVA™ anti-vibration pads, and 1- 3/4" PVC male adapter
- Installation is straightforward and hassle-free



Order #	Mfg. #	Dimensions	Each
B91-686	6-HK3050-1	30" x 50" x 5"	**329.00**
B91-687	6-HK3060-1	30" x 60" x 5"	**345.00**

Heavy Duty High Rise Drain Pans

NEW

- Allows for placement of an air handler 2" above the outside lip of the pan and a total of 4-1/4" of lift from the bottom of the pan
- Constructed of 1/8" thick heavy duty ABS plastic material that is 80% thicker than standard pans and is designed with 6 anti-vibration pads and risers
- Molded-in depressions in the risers make a perfect mounting point for antivibration pads, which means quiet operation
- Resistant to splitting, leaking, and cracking



Order #	Mfg. #	Dimensions	Each
B68-004 ◀	6-HK3050HD	30" x 50"	**329.00**
B68-005 ◀	6-HK3060HD	30" x 60"	**349.00**
B68-006 ◀	6-HK3070HD	30" x 70"	**525.00**

Humidifier Drain Pan

- Designed to catch and contain humidifier water leaks
- Includes CS-3 (**B18-520**) float switch to shut down power to humidifier
- One piece design



Order #	Mfg. #	Dimensions	Each
B87-796	HM-PAN	7" x 17"	**129.00**

Furnace Drain Pan

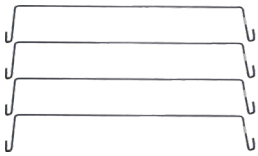
NEW

- Heavy-duty reinforced construction for long term performance
- Heat and cold resistant, meets structural and temperature requirements for attic installations
- Includes: CS1200 Safety Overflow Switch, eight HPR-6 Risers and 3/4in. PVC male adapter



Order #	Mfg. #	Dimensions	Each
B68-007 ◀	6-HK3364FUR	33" x 64"	**455.00**
B68-008 ◀	6-HK3378FUR	33" x 78"	**549.00**

Drain Pan Hangers



- Holds up to a 33" wide secondary safety pan
- 4 per package
- 1/4" Epoxy Coated Steel Rod Construction
- Can be installed on Unistrut up to 1.75" wide
- Use only in conjunction with a secondary drain, not a safety switch
- Minimum 2 hangers used in standard installation

Order #	Mfg. #	Each
H86-236	DPH33	**85.00**

Titan Flexible Series Secondary Drain Pans



- For tighter space applications
- More flexible and durable than fabricated metal or plastic pans
- Compatible with Goliath Furnace Series Furnace Risers to create a complete and professional HVAC Installation
- Compatible with the Aqua Guard AG-4200 series float switches

Order #	Mfg. #	Dimensions	Each
B60-434	96230	24" x 24" x 3"	**79.00**
B60-436	96234	30" x 30" x 3"	**115.00**
B60-437	96236	32" x 32" x 3"	**125.00**
B60-439	96240	30" x 62" x 3"	**185.00**

Goliath Secondary Drain Pans



- Self-extinguishing — won't support combustion
- 275° temperature rating
- Can be hung and will support air handlers up to 466 lbs.
- 14 rubber vibration isolators are included with **B16-961** float switch
- Dimensions listed are Width x Length x Height

Note: Must order with **B16-961** float switch.

Order #	Mfg. #	Dimensions	Each
B98-769	PG2857A	28.375" x 57.25" x 5.25"	**275.00**
B98-771	PG2869A	28.25" x 69.125" x 4.25"	**359.00**

Order #	Mfg. #	Dimensions	Each
B98-768	PG3050A	30.25" x 50.5" x 4"	**265.00**
B98-770	PG3062A	30.375" x 63" x 4.25"	**309.00**

Float Switch For Goliath Drain Pans



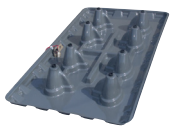
- Required on each Goliath drain pan
- Includes drain plug in the event that a drain is not needed and 14 rubber vibration isolators
- 24V, 5A

Order #	Mfg. #	Each
B16-961	AG4200E	**75.00**

Goliath Furnace Pans



A



B

- Self-extinguishing — won't support combustion
- 275° temperature rating
- Meets ASTM-E-84-05 and complies with UL-94 5VA
- 7" risers on horizontal pans provide clearance for “P” trap required on high efficiency furnaces
- Can be hung
- 10 vibration isolators included with **B16-962** float switch
- Must order **B16-962** float switch
- Dimensions listed are Width x Length x Height

Fig.	Order #	Mfg. #	Description	Dimensions	Each
A	**B98-772**	PF3036A	Vertical	30.5" x 37.5" x 3"	**165.00**
B	**B98-773**	PF3464A	Horizontal	34.125" x 64.125" x 7.5"	**395.00**
B	**B98-774**	PF3479A	Horizontal	33.75" x 79" x 7.5"	**475.00**

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Latching Condensate Switches

NEW

Asurity

- Prevents short cycling and intermitent tripping
- Float latches when tripped
- Simple to reset
- 24 VAC, 4 Amps
- 60" of 18 gauge wire
- UL 508 Approved
- **B22-411** has plenum approved 18 AWG CMP wire and clear CPVC fittings



A



B



C

Fig.	Order #	Mfg. #	Description	Each
A	**B22-408**	BG-101	Secondary Pan Switch	**41.99**
B	**B22-846** ◀	BG-110	Secondary Metal Pan Switch	**29.99**
C	**B22-409**	BG-301+	Primary Pan Switch With Fitting And Elbow	**44.99**
C	**B22-410**	BG-301+T	Primary Pan Switch With Fitting, Elbow And Trane Adapter	**49.49**
C	**B22-411**	BG-302P+T	Plenum Rated Primary Pan Switch With Fitting, Elbow And Trane Adapter	**55.00**

Metal Pan Float Switch

RECTORSEAL
A CSW Industrials Company

- 5 amp high-capacity switch
- Fully enclosed float
- No holes to drill — just tighten 2 thumbscrews
- Protective housing keeps out insulation and debris
- Easy to operate test switch
- 24V, 5A, UL 508 tested



Order #	Mfg. #	Each
B16-956	AG1100+	**47.49**

Plastic/Metal Pan Float Switch

RECTORSEAL
A CSW Industrials Company

- 5 amp high-capacity switch
- 2-piece clam shell housing clamps on in seconds
- Protective housing keeps out insulation and debris
- Easy to operate test switch
- 24V, 5A, UL 508 tested



Order #	Mfg. #	Each
B16-957	AG1200+	**55.00**

Multipurpose Water Sensor

RECTORSEAL
A CSW Industrials Company

- Monitors condensate overflow, shutting down the system and activating an audible alarm
- Can be pan, floor or wall mounted
- 24V, 5A with 6' of control wire



Order #	Mfg. #	Each
B18-441	AG1250E	**65.00**

In-Line Water Sensor System

RECTORSEAL
A CSW Industrials Company

- 5 amp solid-state water sensor for auxiliary drains
- Small compact design; mounts to drain in seconds
- Water detection LED and automatic reset
- Eliminates false shutoffs caused by trapped condensation
- 24V, 5A, UL 508 Listed



Order #	Mfg. #	Each
B17-531	AG3150E	**99.00**

Plenum Rated Primary Pan Sensor



- Primary pan electronic condensate sensor with time delay & bonus secondary sensor for metal/plastic secondary drain pans
- 6' of both probe & sensor wire
- 5 amp, 24V AC solid state sensor with water detection led light
- UL 508 approved

Order #	Mfg. #	Each
B18-770	AG3175E	**109.00**

Plenum Rated Micro Pan Sensor



- Plenum rated micro pan electronic condensate sensor with time delay & bonus secondary sensor for commercial or self-contained package units, metal/plastic secondary drain pans & primary pan with time delay
- Meets international building codes & primary pan code requirements
- 6' of both plenum rated probe and sensor wire
- 5 amp, 24V AC solid state sensor with patent pending smart sensor technology
- UL 508 approved

Order #	Mfg. #	Each
B18-771	AG3180E	**109.00**

External Audible & Visual Remote Alarm



- Audible & visual remote alarm features a 12-24 VAC / 6-32 VDC circuit, which can be integrated into most monitoring systems (home alarm, water detection or condensate management system, etc.)
- Loud 103db audible alert with on/off switch
- Bright white LED alarm lights
- No battery required
- Can be mounted up to 250' from condensate overflow switch
- Includes 12" of lead wire

Order #	Mfg. #	Each
B18-772	AG9100	**95.00**

WiFi Water Sensor and Switch

NEW

L2



- Can turn the machine off or on if water is sensed by the cable
- Sends an alert to the homeowner if water overflows the condensate pan or is sensed by the cable
- Can be wired directly to the furnace, air conditioner, dehumidifier, or other HVAC equipment
- Alerts via an LED light, audio siren and WiFi notification via Resideo app and email

Order #	Mfg. #	Size
L51-852 ◀	TWLD3005-001/U	3.9" x 2" x 1.1"

Overflow Safety Float Switches



- Shuts down AC or refrigeration unit when drain pan approaches overflow
- 72" leads
- **B82-023** rated for 0–48V, 5A maximum applications
- **B14-992** rated for 125/250V, 11A maximum applications

Order #	Mfg. #	Each
B82-023	599123	**29.49**
B14-992	599124	**29.49**

Multi-Position Shutoff Switch



- Unique universal pan mount design
- For metal or plastic secondary drain pans
- Fast & easy 2 wire installation
- Push to test button and LED indicator light
- 24V, 5A

Order #	Mfg. #	Each
B18-445	CS1200	**37.49**

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SOS Safety Overflow Switch

- Snaps on to existing PVC condensate drain lines — no cutting required
- Electronically senses when drain line fills with water and locks out compressor contactor
- Easy two-wire connection to 24V circuits
- LED indicator light



Order #	Mfg. #	Each
B15-132	SOS-1	**85.00**

Condensate Cop

- Clamp-on float switch designed for condensate drain pans
- Magnetically actuated normally closed switch
- Two-wire connection to compressor contactor



Order #	Mfg. #	Each
B15-214	CC-1	**36.49**

Wet Switch™ Flood Detectors

- Shuts down unit with the detection of as little as 1 to 2 drops of water
- Used to sense moisture under air handlers, return air plenums, or to detect leaks in condenser or chilled water lines
- Simple three-wire installation
- Includes push-to-test and push-to-reset buttons
- LED confirms system status
- **B22-331** connects to a 24VAC power supply or 12VDC power on most alarm and home automation systems



Order #	Mfg. #	Description	Each
B12-876	WS-1	24VAC	**145.00**
B22-331	WS-2DV	24VAC or 12VDC	**179.00**

Universal Alarm

- Universal low-voltage alarm that can indicate possible system trouble
- Use with the Wet Switch, SOS, Condensate Cop, CP-22 (all types) and all float switches on 24VAC control circuits
- If an alarm condition exists, the homeowner can turn the alarm off with a silence button until service is obtained, however a red trouble LED will remain lit
- Features: easy 2 wire connection, label to print contractor information, and low current draw
- Actuates at greater than 18V to prevent false alarms due to low voltage
- Includes 2 wire nuts, a sheet metal screw, and double sided tape for convenient installation options



Order #	Mfg. #	Each
B22-101	UA-1	**40.99**

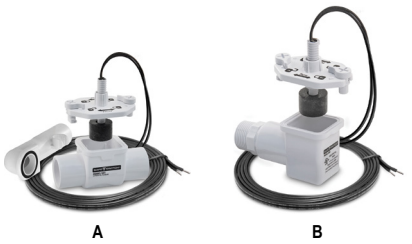
Safe-T-Switch SSW

- Can be used for placement into metal or plastic secondary drain pans or on a floor
- Logic circuit continuously samples the sensor probes for the accumulation of water
- Sensor detect as little as a 1/16" level of permanent water and automatically shuts off HVAC system
- As water recedes, system resets
- Sensor connects to indoor unit
- Features onboard LED Indicator
- Power supply - 24VAC
- Switching Capacity: 24 VAC/DC, 5A, Normally Closed (NC); 24VAC/DC, 1A, Normally Open (NO)



Order #	Mfg. #	Each
B22-435	97092	**129.00**

Safe-T-Switch® Overflow Shut-Off Switches


A

B


C


D

- SS1-GEN3 and SS1P are installed inline; magnetic reed switch can be installed up to 45° slope; switch cap is easily removed for cleaning and servicing condensate drain lines
- SS2-GEN3 and SS2P with 3/4" adaptor can be installed on auxiliary outlet of primary drain pan; magnetic reed switch can be installed up to 45° slope; switch cap is easily removed for cleaning and servicing condensate drain lines
- SS3-GEN3 and SS3P specially designed mounting bracket mounts firmly over edge of most drain pans; magnetic reed switch and slim profile can be installed on primary or auxiliary drain pans; switch is easily removed for cleaning and servicing
- SC1-GEN3 inline cleanout device allows quick and easy access for cleaning of condensate drain lines; integrated, easy-access Schrader valve for pressure cleaning; directional cleaning tool can be used for both pressure and vacuum

Fig.	Order #	Mfg. #	Description	Each
A	**B23-293**	SS1	Primary Drain Outlet	**89.00**
B	**B23-294**	SS2	Primary Drain Pan Auxiliary Outlet	**75.00**
C	**B23-295**	SS3	Primary and Auxiliary Drain Pans	**43.49**
A	**B22-436**	SS1P	Plenum Rated Primary Drain Outlet;	**105.00**
B	**B22-437**	SS2P	Plenum Rated Primary Drain Pan Auxiliary Outlet;	**89.00**
C	**B22-438**	SS3P	Plenum Plenum Primary and Auxiliary Drain Pans;	**55.00**
D	**B23-296**	SCI	Inline Schrader Valve Cleanout Device	**46.49**

Safe-T-Switch® Mini Split Condensate Switch



- 0-250 VAC shut-off switch
- Contains low power consuming electric probes, instead of float switch
- Small sensor fits in confined spaces
- Installs on primary drain pan or clips to coils above primary drain pan

Order #	Mfg. #	Description	Each
B18-438	SS610E	Mini Split Switch	**335.00**

Electronic Safe-T-Switch® Overflow Shut-Off Switches


A


B

- 24 volt shut-off switch
- Contains low power consuming electric probes, instead of float switches
- The **B18-413** can be installed horizontally or vertically, inline or on the primary pan's auxiliary drain outlet by using the included ¾" adapter, bushing and cap
- The **B18-414** can be easily installed directly in the drain pan; Its small size and slim profile makes it ideal for use on commercial rooftop downflow units

Fig.	Order #	Mfg. #	Description	Each
A	**B18-413**	SS103E	Primary and Secondary Drain Line and Drain Pan Switch With LED	**119.00**
B	**B18-414**	SS500EP	Drain Pan Plenum Rated Switch With LED	**125.00**

All Access Drain Pan Float Switch



- Installs on the edge of secondary drain pans, or on the edge of primary drain pans
- Quickly fastens tightly to pan without tools using easy-knob thumb screw
- UL Listed and tested to UL 508

Order #	Mfg. #	Each
B21-421	AA3	**31.99**

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All Access Plenum-Rated Drain Pan Switch

- Installs on the edge of secondary (auxiliary) drain pans, or on the edge of primary drain pans
- Used when plenum rated switch is required
- Quickly fastens tightly to pan without tools using easy-know thumb screw
- Model AA4p easily adjusts to bottom of pan by simply pushing down ratcheting float



Order #	Mfg. #	Each
H28-607	83415	**34.49**

EZ Trap Overflow Cut-Off Switches

- For vertical or horizontal installation
- Fits outside AC unit, no access required
- Enclosed float cannot be obstructed
- 24V, 5A



A



B



C

Fig.	Order #	Mfg. #	Conn.	Each
A	**B13-549**	EZT-225	3/4" and 1" Slip	**69.00**
B	**B82-519**	EZT-224	3/4" Thread	—

Fig.	Order #	Mfg. #	Conn.	Each
C	**B82-520**	EZT-226	3/4" Slip	—

EZ Trap Condensate Trap and Overflow Switch Pack

- Combination alarms drain pan, trap and entire condensate drain pipe system
- Transparent trap provides clear visibility for easy inspection
- Includes EZT-113B trap, EZT-226 overflow switch and screw-in or glue-in adapter



Order #	Mfg. #	Each
B82-521	EZT-626	**109.00**

EZ Trap Condensate Traps

- Transparent trap allows for complete visibility
- Flexible brush makes trap easy to clean
- Watertight lower cap opens for easy access to clean drain pan outlet inside unit



A



B

Fig.	Order #	Mfg. #	Description	Each
A	**B13-547**	EZT-113B	Trap w/Brush	**55.00**
B	**B13-548**	EZT-210	Switch, Brush & Adapter	**139.00**
—	**B19-496**	EZT-230	Switch, Brush, Adapter & Tamper Resistant Cap	**149.00**
—	**B17-139**	EZT-406	Replacement Brush	**11.99**

All Access Condensate Cleanout

- Used to clear A/C drain lines quickly
- Once installed, never cut the line again to access
- Blow out the drain line in either direction
- Use wet vacuum to vacuum the line
- Easy access to add drain cleaners or tablets
- Installs in line either horizontal or vertical.
- Used to comply with local codes requiring for separate drain line access



Order #	Mfg. #	Each
B21-418	AA1	**41.49**

RECTORSEAL
A CSW Industrials Company



All Access Combination Cleanout Device and In-Line Float Switch

- Drain line cleanout device with built-in float switch for primary drain line
- Installs horizontally or sloped up to 45 degrees in primary drain line or plugged on secondary outlet of primary drain pan
- UL Listed and tested to UL 508 (Code approved)

Order #	Mfg. #	Each
B21-419	AA1-FS	**47.49**

Asurity



Condensate Drain Traps

NEW

- Clear PVC trap provides easy visibility of condensate flow and blockages
- Tough, durable, schedule 40 PVC fittings for years of reliability
- Multiple cleanouts for easy maintenance
- Watertight cap (1) allows easy access to clean drain trap and fits securely for no leakage

Order #	Mfg. #	Description	Each
B22-208	DTK113	Clear Drain Trap	**44.49**
B22-209	DTK113B	Clear Drain Trap w/Brush	**55.00**
B22-210	DTK205	Clear Drain Trap With Deep "U", Float Switch & Brush	**165.00**
B22-211	DTK207	Clear Drain Trap With Float Switch, Cross & Brush	**159.00**
B22-212	DTK210	Clear Drain Trap With Float Switch & Brush	**155.00**
B22-842 ◀	DTK626	Clear Drain Trap With CS-2 Safety Switch & Brush	**95.00**

RECTORSEAL
A CSW Industrials Company



All Access Float Switch

- Installs on secondary outlet of primary pans, or on the outlet of auxiliary drain pans
- UL Listed and tested to UL 508

Order #	Mfg. #	Each
B21-420	AA2	**42.49**

RECTORSEAL
A CSW Industrials Company



All Access Insulation

- Fits on All Access AA1-FS and AA1 Cleanout devices to prevent sweating
- Used in unconditioned spaces such as attics to limit sweating

Order #	Mfg. #	Each
B21-422	AA1-INS	**15.99**

RECTORSEAL
A CSW Industrials Company



All Access Flush Tool

- Clear drain lines easily
- For use with nitrogen and water
- Fits onto ¾" PVC drain lines and the All-Access® Adaptor

Order #	Mfg. #	Each
B21-424	AA2P	**65.00**

RECTORSEAL
A CSW Industrials Company



All Access Plenum-Rated Float Switch

- Installs on secondary outlet of primary drain pan, or on the outlet of auxiliary drain pans
- Functions even in shallow drain pans, common to many newer models of equipment
- Model AA2P is used when Plenum-Rated switch is required

Order #	Mfg. #	Each
B21-423	AA4P	**42.49**

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EZ Trap Waterless In-line Condensate Mini Trap

- For use on ductless mini-splits with gravity drain
- Maintains mini-split efficiency by preventing outside air entry through drain tube
- Permits free condensate flow while blocking odors, noise and insects
- Freeze resistant
- 2-3/4" long
- 5/8" diameter with 9/16" adapter



Order #	Mfg. #	Each
B18-107	EZT-180	**55.00**

Drain Guard™ HVAC Condensate Drain

- Keeps condensate drains clean
- Addresses white slime
- Designed to prevent growth of algae, bacteria and fungus
- Maintenance free operation for a period of up to six months
- Easy one step refill process
- 3/4" PVC pipe connection

Applications:
- Horizontal and vertical air handlers
- Recommended for HVAC Systems



Order #	Mfg. #	Description	Each
B22-426	85001	Drain Guard™ HVAC Condensate Drain	**129.00**
B22-427	85002	Drain Guard™ HVAC Condensate Drain Refill	**129.00**

Condensate Drain Pan Fitting

- 3/4" PVC slip
- Fits most drain pans



Order #	Mfg. #	Each
R55-712	6-1	**17.49**

A/C Easy Tee

- Condensate drain line cleaning system
- Provides service port for use with nitrogen, water or shop vac
- Allows compliance with International Mechanical Code M32-12



A



B

Fig.	Order #	Mfg. #	Description	Each
A	**B19-007**	ET75	3/4" drain clean out tee	**29.99**
B	**B19-008**	ST75	Drain tee accessory kit	**115.00**

Condensate Line Kit

- 21-piece kit contains everything needed to create a premium drain line
- Universal coupling and compact trap keep drain line as short as possible
- Smooth line elbows help prevent standing water where the pipe meets the elbow
- Includes access Y-Joint, NPT coupling, drain trap kit, 90° elbows (5), 45° elbows (5), pipe connectors (4), anchors, screws and wall clamps (4)
- Does not include PVC pipe or glue



Order #	Mfg. #	Each
B87-759	CL100	**99.00**

Residential Waterless Trap



- Residential/light commercial negative pressure waterless trap
- Never freezes, never dries out
- Reduces trap height by up to 60%
- Eliminates sludge build up
- Condensate flow up to 1 GPM @ 2"
- Schedule 40 PVC with easy open side clips for cleaning
- Retains no water after condensing ceases
- For use on HVAC equipment only

Order #	Mfg. #	Each
B22-008	FCN	**69.00**

The Dauber Stopper™



- A/C drain line guard
- Easy and effective way of preventing emergency drain line clogs because of mud daubers, dirt and other debris
- Fits 3/4" PVC pipe

Order #	Mfg. #	Each
R58-792	DS1	**59.00**

Drain Connector Kit



- Rubber with 4 clamps
- Can be used to connect mini-split drain lines to PVC

Order #	Mfg. #	Each
K35-019	DW804	**13.49**

Flex Connect Flexible Coupling



- No-adhesive coupling for PVC condensate lines
- Provides access for drain cleaning on new installs where required
- Great for repairing cut lines in a hurry

Order #	Mfg. #	Description	Each
R58-761	FLEXCON34-6	¾" PVC Flexible Connector 6 Pk.	**69.00**
R59-074	FLEXCON2	2" PVC Flexible Connector	**15.49**
R59-075	FLEXCON3	3" PVC Flexible Connector	**20.49**
R59-076	FLEXB-6	1/2" to 3/4" PVC Flex Bushing 6 Pk.	**25.99**

Clean Out Tee



- 3/4" PVC slip
- Comes with a threaded cap allowing access to condensate drain lines for cleaning

Order #	Mfg. #	Each
R55-714	510-3400	**10.49**

Jones Valve Cleanout



- 3/4" x 3/4" slip condensate pan blow out valve
- Install valve exiting evaporator
- Attach 1/4" charging hose and CO2 or nitrogen tank
- Turn valve one way and blow out line
- Turn valve other way and remove blockage inside coil

Order #	Mfg. #	Each
L45-980	JV1	**43.49**

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Condensate Neutralizer

- Suitable for 400,000 BTU/h at 93% efficiency
- Prevents acidic condensate from corroding drains and sewer systems
- Helps maintain a neutral environment for bacteria in septic systems
- Suitable for use on all types of natural gas and propane appliances
- Includes: initial charge of neutralization media, corrosion resistant capsule, two base/wall mounting clips, two 3" fill/access openings, 3/4" NPT threaded inlet and outlet, two 3/4" MNPT to 3/4" FNPT unions, two 3/4" MNPT to 3/4" FPVC socket adaptor



A



B

Fig.	Order #	Mfg. #	Description	Each
A	**R59-033**	CNH-4K	Horizontal Condensate Neutralizer	**275.00**
—	**R59-034**	CNHK-4K	Horizontal Condensate Neutralizer with tubing	**299.00**
B	**R59-035**	CNV-4K	Vertical Condensate Neutralizer	**305.00**
C	**R88-124**	CNT-3M	Neutralization Tank	**1045.00**
—	**R59-036**	CNM-3M	Replacement media for CNT-3M	**395.00**
—	**R59-037**	CNM-4K	Replacement media for CNH-4K, CNHK-4K and CNV-4K	**125.00**
—	**R88-125**	CNM-BULK	Replacement media for CNH-4K, CNHK-4K and CNV-4K	**1299.00**



C

Pro-Treat Line Guard

- Prevents build up and growth from Zooglea in condensate drain lines
- Specially treated line is infused with silver and copper particles
- Keeps condensate lines clean and flowing a full year after installation
- Customizable and easy to install
- Includes 100ft of pro-treat line guard, 4 zip ties, 2 shuttle pucks, 105' of pull line



Order #	Mfg. #	Each
B22-344	PTLG-100	**765.00**

No-Kink Condensate Drain Hoses

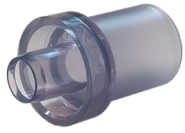
- Plain hose has a press to fit mounting cuff every 39"
- Insulated hose is designed for internal installations to prevent sweating
- Not intended for extended outdoor exposure
- Ivory
- **R57-471** connects **R87-756** to 3/4" PVC



A



B



C

Fig.	Order #	Mfg. #	Description	I.D.	Length	Each
A	**R87-754**	DH-14	Plain	1/2"	164'	**219.00**
A	**R87-755**	DH-16	Plain	5/8"	164'	**229.00**
B	**R87-756**	DSH-14	Insulated	1/2"	65'	**415.00**
C	**R57-471**	DSH-14-16V	1/2" Hose to 3/4" PVC Pipe Adaptor	—	—	**19.49**

Mini-Split Condensate Drain Lines

- Large diameter
- Cut marks every 3.28'
- **R88-179** has smooth bore



Order #	Mfg. #	I.D.	Length	Each
R87-845	230-DL16	5/8"	160'	**205.00**
R88-067	230-DL16-20	5/8"	20'	**33.49**
R88-179	230-DL16-S	5/8"	98'	**215.00**

DIVERSITECH

Gorilla Tube™ Clear Vinyl Tubing



- Extra rigid design resists crimping and kinking
- Better performance in cold weather climates
- Maximum service temperature 140°F

Order #	Mfg. #	O.D.	I.D.	Length	Each
R88-033	7-14P	0.360	1/4"	100'	**75.00**
R88-034	7-38P	0.495	3/8"	100'	**95.00**
R88-035	7-12P	0.631	1/2"	100'	**155.00**
R88-036	7-58P	0.771	5/8"	100'	**179.00**
R88-037	7-34P	0.913	3/4"	100'	**255.00**
R88-038	7-78P	1.050	7/8"	50'	**145.00**

DIVERSITECH

Braided Vinyl Tubing



- Clear Vinyl Chloride (PVC)
- Reinforced polyester caliber 300-500
- Extra rigid design resists crimping and kinking
- Service Temperature 140F°

Order #	Mfg. #	I.D.	Length	Each
R88-197	7-14B	1/4"	100'	**69.00**
R88-198	7-38B	3/8"	100'	**79.00**
R88-199	7-12B	1/2"	100'	**109.00**
R88-200	7-58B	5/8"	100'	**149.00**
R88-201	7-34B	3/4"	100'	**205.00**

DIVERSITECH

Polyethylene Tubing



- Non-toxic, tasteless, odorless, translucent
- For evaporative coolers, vending machines, water cooler, refrigeration and drinking water lines
- Good low temperature flexibility to -30°F

Order #	O.D.	I.D.	Length	Wall	PSI	Each
R87-344	1/4"	17/100"	100'	0.0400"	120	**105.00**

DIVERSITECH

Clear Vinyl Tubing



- For air conditioning and refrigeration condensate drains, condensate pump discharge lines and humidifier overflows
- Brittle temperature -15°F
- Comes in E-Z dispenser box
- Not for use on potable water systems

Order #	O.D.	I.D.	Length	Each
R87-348	3/8"	1/4"	100'	**85.00**
R87-709	1/2"	3/8"	100'	**89.00**

Order #	O.D.	I.D.	Length	Each
R87-710	5/8"	1/2"	100'	**135.00**
R87-711	3/4"	5/8"	100'	**135.00**

Order #	O.D.	I.D.	Length	Each
R87-484	7/8"	5/8"	100'	**185.00**
R87-410	1"	3/4"	100'	**225.00**

DIVERSITECH

Clear Vinyl Drain Tubing



- For air conditioning and refrigeration condensate drains, condensate pump discharge lines and humidifier overflows
- Bulk drain tube for use on low pressure applications
- Flexible, not prone to kinking
- Not for use on potable water
- Brittle temperature: -15°F

Order #	O.D.	I.D.	Length	Each
R87-591	0.35"	1/4"	100'	**39.99**
R87-592	0.413"	3/8"	100'	**46.99**

Order #	O.D.	I.D.	Length	Each
R87-593	0.6"	1/2"	100'	**75.00**
R87-594	0.72"	5/8"	100'	**115.00**

Order #	O.D.	I.D.	Length	Each
R87-595	0.845"	3/4"	100'	**135.00**

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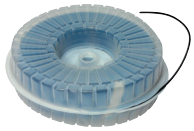
Flame Retardant Polyethylene Tubing

- Provides flexible connections in pneumatic control and flame resistant applications
- Protects against ultraviolet damage
- Resistant against abrasion, corrosion and fatigue
- Ideal for installation in panel boards or other box enclosures



Order #	O.D.	Color	Max. Temp.	Length	Max. Pressure	Each
R87-541	5/32"	Black	115°F	500'	100	**225.00**
R87-543	1/4"	Black	90°F	250'	250	**129.00**

Polyethylene Tube Fittings

- Convert standard compression fittings for use with polyethylene tubing
- Sold in 10 packs
- Lead free



Order #	O.D.	Each	5 Lot
R57-466	1/4"	**4.85**	**4.35**
R57-467	3/8"	**9.85**	**8.95**

Order #	O.D.	Each	5 Lot
R57-468	1/2"	**11.49**	**10.49**

Nylon Condensate Fittings

- For use with vinyl and other plastic tubing
- Sold in two packs



A B C D E

Fig.	Order #	Mfg. #	Description	Size	Each
A	**R56-127**	701-012	Adapter	3/8" Barb x 1/2" MPT	**12.49**
A	**R58-655**	701-043	Adapter	3/8" Barb x 3/4" MPT	**11.99**
A	**R58-656**	701-002	Adapter	1/2" Barb x 3/4" MPT	**12.99**
A	**R58-657**	701-014	Adapter	5/8" Barb x 3/4" MPT	**15.99**
A	**R56-285**	701-007	Adapter	3/4" Barb x 3/4" MPT	**14.99**
A	**R56-284**	701-006	Adapter	3/4" Barb x 3/4" FPT	**22.99**
B	**R58-659**	701-020	Elbow	1/2" Barb x 3/4" MPT	**17.49**
B	**R58-660**	701-028	Elbow	5/8" Barb x 3/4" MPT	**17.99**
B	**R56-288**	701-025	Elbow	3/4" Barb x 3/4" MPT	**18.99**

Fig.	Order #	Mfg. #	Description	Size	Each
C	**R58-663**	701-018	Elbow	1/2" Barb x 1/2" Barb	**14.99**
C	**R58-664**	701-040	Elbow	5/8" Barb x 5/8" Barb	**18.49**
C	**R59-077**	701-023	Elbow	3/4" Barb x 3/4" Barb	**15.99**
D	**R58-666**	701-034	Tee	1/2" Barb	**16.99**
D	**R58-667**	701-039	Tee	5/8" Barb	**16.49**
D	**R56-290**	701-037	Tee	3/4" Barb	**20.99**
E	**R58-669**	701-032	Hose Mender	3/8" Barb	**11.49**
E	**R58-670**	701-029	Hose Mender	1/2" Barb	**13.49**
E	**R58-671**	701-033	Hose Mender	5/8" Barb	**12.99**

Hose Clamps

- Stainless steel band
- High torque with maximum thread contact for high strength
- Recommended for all general clamping applications
- Plated steel housing and screw



Order #	Size	Min. Diam.	Max. Diam.	Each
J27-100	4	7/32"	5/8"	**1.59**
J27-101	6	7/16"	25/32"	**1.79**
J27-667	8	1/2"	29/32"	**2.69**
J27-102	10	9/16"	1-1/16"	**2.79**
J27-103	12	11/16"	1-1/4"	**2.69**
J27-104	16	13/16"	1-1/2"	**2.99**
J27-105	20	13/16"	1-3/4"	**3.19**

Order #	Size	Min. Diam.	Max. Diam.	Each
J27-668	24	1-1/16"	2"	**3.19**
J27-669	28	1-5/16"	2-1/4"	**3.19**
J27-670	32	1-9/16"	2-1/2"	**3.19**
J27-671	36	1-13/16"	2-3/4"	**3.59**
J27-672	48	2-9/16"	3-1/2"	**4.25**
J27-673	72	1-7/8"	5"	**4.99**

THERMO MANUFACTURING, INC.



Thermo-Thimble

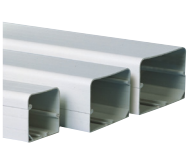
- Through-the-wall line set kit
- Creates a permanent, air tight seal through walls
- Offers custom, professional look
- High-density foam gaskets keep out air, insects and other pests
- Fits up to 12" thick wall

Order #	Mfg. #	Size	Each
R87-775	44002 (Round)	2-7/8" Diam.	**30.99**
R87-776	44008 (Rectangular)	2-1/4"–3-1/8"	**27.49**

DIVERSITECH

SpeediChannel™ Line Set Protection System

- Natural off white, paintable PVC
- UV protection for line set and insulation
- SpeediClip™ slides into a molded internal railing allowing for single person installation
- Unique 90° long radius flat elbow increases bending radius on line set and prevents kinking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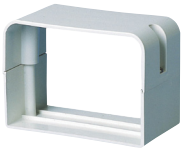
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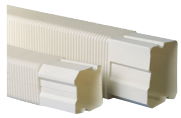
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Fig.	Order #	Mfg. #	Description	Size
A	**B99-657**	230-D3A	78" Length	3"
A	**B99-658**	230-D4A	78" Length	4"
A	**B99-659**	230D6	78" Length	6"
B	**B17-231**	230-CP3	Union Coupling	3"
B	**B17-232**	230-CP4	Union Coupling	4"
B	**B17-233**	230-CP6	Union Coupling	6"
C	**B18-875**	230-AFB3	Adjustable Flat bend	3"
C	**B18-876**	230-AFB4	Adjustable Flat bend	4"
D	**B17-234**	230-FB453	45° Flat Bend	3"
D	**B17-235**	230-FB454	45° Flat Bend	4"
D	**B17-236**	230-FB456	45° Flat Bend	6"
E	**B17-237**	230-EB3	90° Inside Elbow	3"
E	**B17-238**	230-EB4	90° Inside Elbow	4"
E	**B17-239**	230-EB6	90° Inside Elbow	6"
F	**B17-240**	230-FB3	90° Flat Bend	3"
F	**B17-241**	230-FB4	90° Flat Bend	4"
F	**B17-242**	230-FB6	90° Flat Bend	6"
G	**B17-243**	230-LFB3	90° Long Radius Bend	3"
G	**B17-244**	230-LFB4	90° Long Radius Bend	4"
G	**B17-245**	230-LFB6	90° Long Radius Bend	6"
H	**B17-246**	230-EIN3	90° Outside Elbow	3"
H	**B17-247**	230-EIN4	90° Outside Elbow	4"
H	**B17-248**	230-EIN6	90° Outside Elbow	6"

Fig.	Order #	Mfg. #	Description	Size
I	**B17-255**	230-WC3	Wall Penetration	3"
I	**B17-256**	230-WC4	Wall Penetration	4"
I	**B17-257**	230-WC6	Wall Penetration	6"
J	**B17-249**	230-FJ3	Flex Joint	3"
J	**B17-250**	230-FJ4	Flex Joint	4"
K	**B17-251**	230-TJ4	T-Joint	4"
K	**B17-252**	230-TJ6	T-Joint	6"
L	**B17-253**	230-TC34	Reducer Coupling	3" x 4"
L	**B17-254**	230-TC46	Reducer Coupling	4" x 6"
M	**B17-258**	230-FR3	Flat Wall Escutcheon	3"
M	**B17-259**	230-FR4	Flat Wall Escutcheon	4"
M	**B17-260**	230-FR6	Flat Wall Escutcheon	6"
N	**B17-261**	230-WR3	Wall Escutcheon	3"
N	**B17-262**	230-WR4	Wall Escutcheon	4"
N	**B17-263**	230-WR6	Wall Escutcheon	6"
O	**B17-264**	230-DE3	Duct End	3"
O	**B17-265**	230-DE4	Duct End	4"
O	**B17-266**	230-DE6	Duct End	6"
P	**B17-267**	230-DC3	Cap	3"
P	**B17-268**	230-DC4	Cap	4"
P	**B17-269**	230-DC6	Cap	6"
Q	**B18-368**	203-SF3	Soffit Fitting	3"
Q	**B18-369**	203-SF4	Soffit Fitting	4"

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SpeediChannel™ Installation Kit

DIVERSITECH

- Provides both fittings and channel in one box
- Kit includes: three 48" lengths, two couplings, one wall penetration, one long radius flat bend, one duct end, and two ten packs of SpeediClips and 11" cable ties



Order #	Mfg. #	Size
B75-226	230-IKC3	3"
B75-227	230-IKC4	4"

SpeediChannel™ Flex Hose Kit

DIVERSITECH

- Protects line set from UV and mechanical damage
- Includes: 39" flexible hose, 2 duct connectors, 1 end cap and 1 stainless steel clamp



Order #	Mfg. #	Size
B60-659	230-FH3-KIT	3"
B60-660	230-FH4-KIT	4"

SpeediChannel™ Accessories

DIVERSITECH



A B C D E F G

Fig.	Order #	Mfg. #	Description
A	**B17-270**	230-MB14W	14" Mounting Block With End Caps (2-Pk.)
A	**B17-271**	230-MB17W	17" Mounting Block With End Caps (2-Pk.)
A	**B99-660**	230-MB36W	36" Mounting Block With End Caps (2-Pk.)
B	**B17-272**	230-MBCW	Mounting Block End Cap (4-Pk.)
C	**B17-273**	230-WS2	2.5" Wall Sleeve

Fig.	Order #	Mfg. #	Description
D	**B17-274**	230-DCLIP-10	SpeediClip & Strap Kit (10-Pk.)
E	**B18-877**	230-DCLIP	SpeediClip (50-Pk.)
F	**B19-648**	230-DLF16	16mm Drain Line Adapter
F	**B22-006**	230-DLF25	25mm Drain Line Adapter
G	**B21-504**	230-BP17W	17" Base Pad

3-in-1 Line Set Cover Cutter

RECTORSEAL
A CSW Industrials Company

- Designed to cut HVAC line set covers
- Easy one-touch open/close
- Equipped with quick opening mechanism and safety stopper
- Cuts most common sizes
- Works with SlimDuct, Fortress and Speedichannel



Order #	Mfg. #	Each
H28-576	84380	**135.00**

MOTOR FINDER

Find the Right Commercial IHP Motor and Save Time

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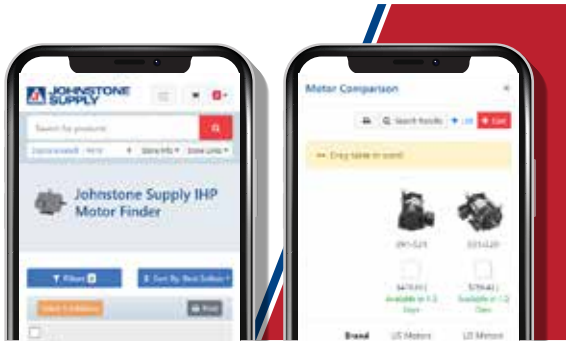
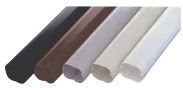


RECTORSEAL
A CSW Industrials Company
SLIMDUCT

SlimDuct Line Set Ducting System

- UV resistant rigid polyvinyl chloride, fire resistant
- Available in brown, ivory and white to match various building designs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J


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Fig.	Order #	Mfg. #	Description	Size	Color
Lengths					
A	**B95-278**	SD77B	78" Length	3" x 2-1/2" O.D.	Brown
A	**B95-279**	SD77I	78" Length	3" x 2-1/2" O.D.	Ivory
A	**B95-280**	SD77W	78" Length	3" x 2-1/2" O.D.	White
A	**B22-775**	SD77K	78" Length	3" x 2-1/2" O.D.	Black
A	**B95-281**	SD100B	78" Length	4" x 2-3/4" O.D.	Brown
A	**B95-282**	SD100I	78" Length	4" x 2-3/4" O.D.	Ivory
A	**B95-283**	SD100W	78" Length	4" x 2-3/4" O.D.	White
A	**B22-773**	SD100K	78" Length	4" x 2-3/4" O.D.	Black
A	**B95-284**	SD140B	78" Length	5-1/2" x 3" O.D.	Brown
A	**B95-285**	SD140I	78" Length	5-1/2" x 3" O.D.	Ivory
A	**B95-286**	SD140W	78" Length	5-1/2" x 3" O.D.	White
A	**B22-774**	SD140K	78" Length	5-1/2" x 3" O.D.	Black
Fittings					
B	**B14-535**	SJ77B	Coupler	3" x 2-1/2" O.D.	Brown
B	**B14-536**	SJ77I	Coupler	3" x 2-1/2" O.D.	Ivory
B	**B14-537**	SJ77W	Coupler	3" x 2-1/2" O.D.	White
B	**B22-790**	SJ77K	Coupler	3" x 2-1/2" O.D.	Black
B	**B14-538**	SJ100B	Coupler	4" x 2-3/4" O.D.	Brown
B	**B14-539**	SJ100I	Coupler	4" x 2-3/4" O.D.	Ivory
B	**B14-540**	SJ100W	Coupler	4" x 2-3/4" O.D.	White
B	**B22-788**	SJ100K	Coupler	4" x 2-3/4" O.D.	Black
B	**B14-541**	SJ140B	Coupler	5-1/2" x 3" O.D.	Brown
B	**B14-542**	SJ140I	Coupler	5-1/2" x 3" O.D.	Ivory
B	**B14-543**	SJ140W	Coupler	5-1/2" x 3" O.D.	White
B	**B22-789**	SJ140K	Coupler	5-1/2" x 3" O.D.	Black
C	**B14-580**	SKF77B	45° Flat Ell	3" x 2-1/2" O.D.	Brown
C	**B14-581**	SKF77I	45° Flat Ell	3" x 2-1/2" O.D.	Ivory
C	**B14-582**	SKF77W	45° Flat Ell	3" x 2-1/2" O.D.	White
C	**B22-796**	SKF77K	45° Flat Ell	3" x 2-1/2" O.D.	Black
C	**B14-583**	SKF100B	45° Flat Ell	4" x 2-3/4" O.D.	Brown
C	**B14-584**	SKF100I	45° Flat Ell	4" x 2-3/4" O.D.	Ivory
C	**B14-585**	SKF100W	45° Flat Ell	4" x 2-3/4" O.D.	White
C	**B22-794**	SKF100K	45° Flat Ell	4" x 2-3/4" O.D.	Black
C	**B14-586**	SKF140B	45° Flat Ell	5-1/2" x 3" O.D.	Brown
C	**B14-587**	SKF140I	45° Flat Ell	5-1/2" x 3" O.D.	Ivory
C	**B14-588**	SKF140W	45° Flat Ell	5-1/2" x 3" O.D.	White
C	**B22-795**	SKF140K	45° Flat Ell	5-1/2" x 3" O.D.	Black
G	**B14-589**	SC77B	90° Vertical Ell	3" x 2-1/2" O.D.	Brown
G	**B14-590**	SC77I	90° Vertical Ell	3" x 2-1/2" O.D.	Ivory
G	**B14-591**	SC77W	90° Vertical Ell	3" x 2-1/2" O.D.	White
G	**B22-769**	SC77K	90° Vertical Ell	3" x 2-1/2" O.D.	Black
G	**B14-592**	SC100B	90° Vertical Ell	4" x 2-3/4" O.D.	Brown
G	**B14-593**	SC100I	90° Vertical Ell	4" x 2-3/4" O.D.	Ivory
G	**B14-594**	SC100W	90° Vertical Ell	4" x 2-3/4" O.D.	White
G	**B22-767**	SC100K	90° Vertical Ell	4" x 2-3/4" O.D.	Black
G	**B14-595**	SC140B	90° Vertical Ell	5-1/2" x 3" O.D.	Brown
G	**B14-597**	SC140W	90° Vertical Ell	5-1/2" x 3" O.D.	White
G	**B22-768**	SC140K	90° Vertical Ell	5-1/2" x 3" O.D.	Black
D	**B14-598**	SCF77B	45° Vertical Ell	3" x 2-1/2" O.D.	Brown
D	**B14-599**	SCF77I	45° Vertical Ell	3" x 2-1/2" O.D.	Ivory
D	**B14-600**	SCF77W	45° Vertical Ell	3" x 2-1/2" O.D.	White
D	**B22-772**	SCF77K	45° Vertical Ell	3" x 2-1/2" O.D.	Black
D	**B14-601**	SCF100B	45° Vertical Ell	4" x 2-3/4" O.D.	Brown
D	**B14-602**	SCF100I	45° Vertical Ell	4" x 2-3/4" O.D.	Ivory
D	**B14-603**	SCF100W	45° Vertical Ell	4" x 2-3/4" O.D.	White
D	**B22-770**	SCF100K	45° Vertical Ell	4" x 2-3/4" O.D.	Black
D	**B14-604**	SCF140B	45° Vertical Ell	5-1/2" x 3" O.D.	Brown
D	**B14-605**	SCF140I	45° Vertical Ell	5-1/2" x 3" O.D.	Ivory
D	**B14-606**	SCF140W	45° Vertical Ell	5-1/2" x 3" O.D.	White
D	**B22-771**	SCF140K	45° Vertical Ell	5-1/2" x 3" O.D.	Black
H	**B82-404**	SF77500B	20" Long Flexible Ell	3" x 2-1/2" O.D.	Brown
H	**B82-437**	SF77500I	20" Long Flexible Ell	3" x 2-1/2" O.D.	Ivory
H	**B82-438**	SF77500W	20" Long Flexible Ell	3" x 2-1/2" O.D.	White
H	**B22-783**	SF77500K	20" Long Flexible Ell	3" x 2-1/2" O.D.	Black
H	**B95-258**	SF100800B	31" Long Flexible Ell	4" x 2-3/4" O.D.	Brown
H	**B95-259**	SF100800I	31" Long Flexible Ell	4" x 2-3/4" O.D.	Ivory
H	**B95-260**	SF100800W	31" Long Flexible Ell	4" x 2-3/4" O.D.	White
H	**B22-781**	SF100800K	31" Long Flexible Ell	4" x 2-3/4" O.D.	Black
H	**B95-261**	SF140800B	31" Long Flexible Ell	5-1/2" x 3" O.D.	Brown
H	**B95-262**	SF140800I	31" Long Flexible Ell	5-1/2" x 3" O.D.	Ivory
H	**B95-263**	SF140800W	31" Long Flexible Ell	5-1/2" x 3" O.D.	White
H	**B22-782**	SF140800K	31" Long Flexible Ell	5-1/2" x 3" O.D.	Black
I	**B17-129**	ST77B	Tee	3" x 2-1/2" O.D.	Brown
I	**B17-130**	ST77I	Tee	3" x 2-1/2" O.D.	Ivory
I	**B17-131**	ST77W	Tee	3" x 2-1/2" O.D.	White
I	**B22-804**	ST77K	Tee	3" x 2-1/2" O.D.	Black
I	**B17-132**	ST100B	Tee	4" x 2-3/4" O.D.	Brown
I	**B17-133**	ST100I	Tee	4" x 2-3/4" O.D.	Ivory
I	**B17-134**	ST100W	Tee	4" x 2-3/4" O.D.	White
I	**B22-802**	ST100K	Tee	4" x 2-3/4" O.D.	Black
I	**B17-135**	ST140B	Tee	5-1/2" x 3" O.D.	Brown
I	**B17-136**	ST140I	Tee	5-1/2" x 3" O.D.	Ivory
I	**B17-137**	ST140W	Tee	5-1/2" x 3" O.D.	White
I	**B22-803**	ST140K	Tee	5-1/2" x 3" O.D.	Black

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Fig.	Order #	Mfg. #	Description	Size	Color
J	**B14-607**	SFJ77B	Flexible Adapter	3" x 2-1/2" O.D.	Brown
J	**B14-608**	SFJ77I	Flexible Adapter	3" x 2-1/2" O.D.	Ivory
J	**B14-609**	SFJ77W	Flexible Adapter	3" x 2-1/2" O.D.	White
J	**B22-785**	SFJ77K	Flexible Adapter	3" x 2-1/2" O.D.	Black
J	**B14-610**	SFJ100B	Flexible Adapter	4" x 2-3/4" O.D.	Brown
J	**B14-612**	SFJ100W	Flexible Adapter	4" x 2-3/4" O.D.	White
J	**B22-784**	SFJ100K	Flexible Adapter	4" x 2-3/4" O.D.	Black
K	**B14-544**	SW77B	Wall Inlet	3" x 2-1/2" O.D.	Brown
K	**B14-545**	SW77I	Wall Inlet	3" x 2-1/2" O.D.	Ivory
K	**B14-546**	SW77W	Wall Inlet	3" x 2-1/2" O.D.	White
K	**B22-807**	SW77K	Wall Inlet	3" x 2-1/2" O.D.	Black
K	**B14-547**	SW100B	Wall Inlet	4" x 2-3/4" O.D.	Brown
K	**B14-548**	SW100I	Wall Inlet	4" x 2-3/4" O.D.	Ivory
K	**B14-549**	SW100W	Wall Inlet	4" x 2-3/4" O.D.	White
K	**B22-805**	SW100K	Wall Inlet	4" x 2-3/4" O.D.	Black
K	**B14-550**	SW140B	Wall Inlet	5-1/2" x 3" O.D.	Brown
K	**B14-551**	SW140I	Wall Inlet	5-1/2" x 3" O.D.	Ivory
K	**B14-552**	SW140W	Wall Inlet	5-1/2" x 3" O.D.	White
K	**B22-806**	SW140K	Wall Inlet	5-1/2" x 3" O.D.	Black
L	**B14-553**	SP77B	Soffit Inlet	3" x 2-1/2" O.D.	Brown
L	**B14-554**	SP77I	Soffit Inlet	3" x 2-1/2" O.D.	Ivory
L	**B14-555**	SP77W	Soffit Inlet	3" x 2-1/2" O.D.	White
L	**B22-801**	SP77K	Soffit Inlet	3" x 2-1/2" O.D.	Black
L	**B14-556**	SP100B	Soffit Inlet	4" x 2-3/4" O.D.	Brown
L	**B14-557**	SP100I	Soffit Inlet	4" x 2-3/4" O.D.	Ivory
L	**B14-558**	SP100W	Soffit Inlet	4" x 2-3/4" O.D.	White
L	**B22-799**	SP100K	Soffit Inlet	4" x 2-3/4" O.D.	Black
L	**B14-559**	SP140B	Soffit Inlet	5-1/2" x 3" O.D.	Brown
L	**B14-560**	SP140I	Soffit Inlet	5-1/2" x 3" O.D.	Ivory
L	**B14-561**	SP140W	Soffit Inlet	5-1/2" x 3" O.D.	White
L	**B22-800**	SP140K	Soffit Inlet	5-1/2" x 3" O.D.	Black
M	**B14-562**	SE/SEN-77-B	End Fitting	3" x 2-1/2" O.D.	Brown
M	**B14-563**	SE/SEN-77-I	End Fitting	3" x 2-1/2" O.D.	Ivory
M	**B14-564**	SE/SEN-77-W	End Fitting	3" x 2-1/2" O.D.	White

Fig.	Order #	Mfg. #	Description	Size	Color
M	**B22-778**	SE/SEN77K	End Fitting	3" x 2-1/2" O.D.	Black
M	**B14-565**	SEN100B	End Fitting	4" x 2-3/4" O.D.	Brown
M	**B14-566**	SEN100I	End Fitting	4" x 2-3/4" O.D.	Ivory
M	**B14-567**	SEN100W	End Fitting	4" x 2-3/4" O.D.	White
M	**B22-779**	SEN100K	End Fitting	4" x 2-3/4" O.D.	Black
M	**B14-568**	SEN140B	End Fitting	5-1/2" x 3" O.D.	Brown
M	**B14-569**	SEN140I	End Fitting	5-1/2" x 3" O.D.	Ivory
M	**B14-570**	SEN140W	End Fitting	5-1/2" x 3" O.D.	White
M	**B22-780**	SEN140K	End Fitting	5-1/2" x 3" O.D.	Black
F	**B14-571**	SK77B	90° Flat Ell	3" x 2-1/2" O.D.	Brown
F	**B14-572**	SK77I	90° Flat Ell	3" x 2-1/2" O.D.	Ivory
F	**B14-573**	SK77W	90° Flat Ell	3" x 2-1/2" O.D.	White
F	**B22-793**	SK77K	90° Flat Ell	3" x 2-1/2" O.D.	Black
F	**B14-574**	SK100B	90° Flat Ell	4" x 2-3/4" O.D.	Brown
F	**B14-575**	SK100I	90° Flat Ell	4" x 2-3/4" O.D.	Ivory
F	**B14-576**	SK100W	90° Flat Ell	4" x 2-3/4" O.D.	White
F	**B22-791**	SK100K	90° Flat Ell	4" x 2-3/4" O.D.	Black
F	**B14-577**	SK140B	90° Flat Ell	5-1/2" x 3" O.D.	Brown
F	**B14-578**	SK140I	90° Flat Ell	5-1/2" x 3" O.D.	Ivory
F	**B14-579**	SK140W	90° Flat Ell	5-1/2" x 3" O.D.	White
F	**B22-792**	SK140K	90° Flat Ell	5-1/2" x 3" O.D.	Black
N	**B19-032**	SIF77B	Fixed Offset	7-1/8" x 2.75" O.D.	Brown
N	**B19-033**	SIF77I	Fixed Offset	7-1/8" x 2.75" O.D.	Ivory
N	**B19-034**	SIF77W	Fixed Offset	7-1/8" x 2.75" O.D.	White
N	**B22-787**	SIF77K	Fixed Offset	7-1/8" x 2.75" O.D.	Black
N	**B19-035**	SIF100B	Fixed Offset	7-1/8" x 3.75" O.D.	Brown
N	**B19-036**	SIF100I	Fixed Offset	7-1/8" x 3.75" O.D.	Ivory
N	**B19-037**	SIF100W	Fixed Offset	7-1/8" x 3.75" O.D.	White
N	**B22-786**	SIF100K	Fixed Offset	7-1/8" x 3.75" O.D.	Black
E	**B22-358**	SKS77W	45° to 90° Flat Ell	3" x 2-1/2" O.D.	White
E	**B22-359**	SKS77B	45° to 90° Flat Ell	3" x 2-1/2" O.D.	Brown
E	**B22-360**	SKS77I	45° to 90° Flat Ell	3" x 2-1/2" O.D.	Ivory
E	**B22-797**	SKS77K	45° - 90° Flat Ell	3" x 2-1/2" O.D.	Black

SlimDuct Risers and Drain Pipe

- Installation accessories for ductless mini-split systems

RECTORSEAL A CSW Industrials Company — SLIMDUCT

Fig.	Order #	Mfg. #	Description
A	**B14-370**	PR351NI	Riser 4" H x 14" L — Max. 308 Lbs.
A	**B95-257**	PR351NM	Riser 4" H x 18" L — Max. 397 Lbs.
A	**B95-256**	PR351NL	Riser 4" H x 39" L — Max. 880 Lbs.
B	**B14-371**	PRC351N	Riser End Cap
—	**B14-475**	NFP75	Wall Sleeve 3" x 5" x 7"
—	**B14-477**	SL300	Strap for Mini-Split Line Set (10-Pk.)



A



B

White SlimDuct Wall Duct Kit 3.75"

- 13' of duct and all essential fittings to hide and protect the line set for a typical A/C installation.
- Kit includes four SD 39" duct lengths, two SJ couplers, one SK 90° flat ell, one SEN end Fitting and one SW wall fitting

RECTORSEAL A CSW Industrials Company — SLIMDUCT



Order #	Mfg. #	Each
B63-648	SDK-100-W	**519.00**

E-FLEX GUARD™ Line Set Insulation Protector

- Protects piping insulation
- Outdoor UV/weather grade resistant construction
- Self-gripping, dual bonded Velcro fastening system
- Removable/reusable for maintenance
- Protector and Class II Vapor Retarder

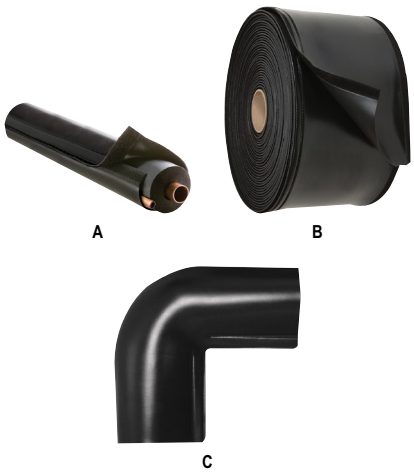

Fig.	Order #	Mfg. #	Description	Color
6' Lengths				
A	**B87-090**	72E-B	For 5/8 and 7/8" tubing with 1/2" wall Insulation	Black
A	**B87-091**	72E-W	For 5/8 and 7/8" tubing with 1/2" wall Insulation	White
A	**B87-092**	72C-B	For 5/8 and 7/8" tubing with 3/4" wall Insulation	Black
A	**B87-093**	72C-W	For 5/8 and 7/8" tubing with 3/4" wall Insulation	White
A	**B87-094**	72X-B	For 3/4" and 7/8" tubing with 1" wall Insulation or 1-1/8" tubing with 3/4" insulation	Black
A	**B87-095**	72X-W	For 3/4" and 7/8" tubing with 1" wall Insulation or 1-1/8" tubing with 3/4" insulation	White
75' Lengths				
B	**B87-096**	750E-B	For 5/8 and 7/8" tubing with 1/2" wall Insulation	Black
B	**B87-097**	750E-W	For 5/8 and 7/8" tubing with 1/2" wall Insulation	White
B	**B87-098**	750C-B	For 5/8 and 7/8" tubing with 3/4" wall Insulation	Black
B	**B87-099**	750C-W	For 5/8 and 7/8" tubing with 3/4" wall Insulation	White
B	**B87-100**	750X-B	For 3/4" and 7/8" tubing with 1" wall Insulation or 1-1/8" tubing with 3/4" insulation	Black
B	**B87-101**	750X-W	For 3/4" and 7/8" tubing with 1" wall Insulation or 1-1/8" tubing with 3/4" insulation	White
90° Angle				
C	**B87-102**	90E-B	For 5/8 and 7/8" tubing with 1/2" wall Insulation	Black
C	**B87-103**	90E-W	For 5/8 and 7/8" tubing with 1/2" wall Insulation	White
C	**B87-104**	90C-B	For 5/8 and 7/8" tubing with 3/4" wall Insulation	Black
C	**B87-105**	90C-W	For 5/8 and 7/8" tubing with 3/4" wall Insulation	White
C	**B87-106**	90X-B	For 3/4" and 7/8" tubing with 1" wall Insulation or 1-1/8" tubing with 3/4" insulation	Black
C	**B87-107**	90X-W	For 3/4" and 7/8" tubing with 1" wall Insulation or 1-1/8" tubing with 3/4" insulation	White

TITAN OUTLET™ Wall & Line Set Gasket/Seal System

- Seals piping wall penetrations
- Gasket compression system seals air leakage and weather moisture
- Flexible sleeve reduces piping vibration and noise
- High grade construction for weather and UV exposure
- Prevents physical wall damage and pest intrusion
- Protects indoor air quality

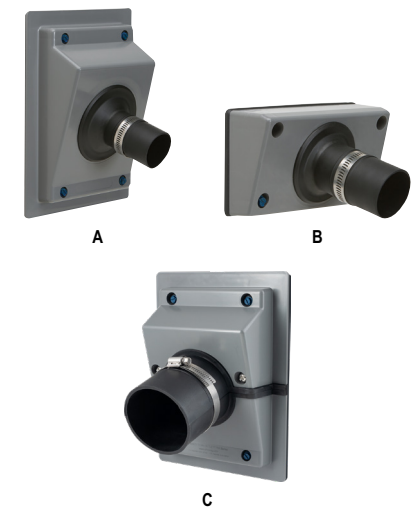

Fig.	Order #	Mfg. #	Description	Color
Stucco, Masonry & Flat Wall Design				
A	**B87-108**	TGS-550-G	For 1/2" insulation thickness diameter	Gray
A	**B87-109**	TGS-550-W	For 1/2" insulation thickness diameter	White
A	**B87-110**	TGS-575-G	For 3/4" insulation thickness diameter	Gray
A	**B87-111**	TGS-575-W	For 3/4" insulation thickness diameter	White
A	**B87-112**	TGS-510-G	For 1" insulation thickness diameter	Gray
A	**B87-113**	TGS-510-W	For 1" insulation thickness diameter	White
Wall Siding Design				
B	**B87-114**	TSS-550-G	For 1/2" insulation thickness diameter	Gray
B	**B87-115**	TSS-550-W	For 1/2" insulation thickness diameter	White
B	**B87-116**	TSS-575-G	For 3/4" insulation thickness diameter	Gray
B	**B87-117**	TSS-575-W	For 3/4" insulation thickness diameter	White
Retrofit				
C	**B87-882**	TRS-550-G	For 1/2" insulation thickness diameter	Gray
C	**B87-883**	TRS-550-W	For 1/2" insulation thickness diameter	White
C	**B87-884**	TRS-575-G	For 3/4" insulation thickness diameter	Gray
C	**B87-885**	TRS-575-W	For 3/4" insulation thickness diameter	White
C	**B87-886**	TRS-510-G	For 1" insulation thickness diameter	Gray
C	**B87-887**	TRS-510-W	For 1" insulation thickness diameter	White

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PRO-SYSTEM KIT™ Outlet with E-FLEX Insulation Protector

- A 2-in-1 system containing one TITAN OUTLET™ and 6' of E-FLEX GUARD™
- Everything you need in one box

Fig.	Order #	Mfg. #	Description	Color
Stucco, Masonry & Flat Wall Design				
A	**B87-118**	TGS-650G-72E-B	For 1/2" insulation thickness diameter	Gray TITAN/Black E-FLEX
A	**B87-119**	TGS-650G-72E-W	For 1/2" insulation thickness diameter	Gray TITAN/White E-FLEX
A	**B87-120**	TGS-650W-72E-B	For 1/2" insulation thickness diameter	White TITAN/Black E-FLEX
A	**B87-121**	TGS-650W-72E-W	For 1/2" insulation thickness diameter	White TITAN/White E-FLEX
A	**B87-122**	TGS-675G-72C-B	For 3/4" insulation thickness diameter	Gray TITAN/Black E-FLEX
A	**B87-123**	TGS-675G-72C-W	For 3/4" insulation thickness diameter	Gray TITAN/White E-FLEX
A	**B87-124**	TGS-675W-72C-B	For 3/4" insulation thickness diameter	White TITAN/Black E-FLEX
A	**B87-125**	TGS-675W-72C-W	For 3/4" insulation thickness diameter	White TITAN/White E-FLEX
A	**B87-126**	TGS-610G-72X-B	For 1" insulation thickness diameter	Gray TITAN/Black E-FLEX
A	**B87-127**	TGS-610G-72X-W	For 1" insulation thickness diameter	Gray TITAN/White E-FLEX
A	**B87-128**	TGS-610W-72X-B	For 1" insulation thickness diameter	White TITAN/Black E-FLEX
A	**B87-129**	TGS-610W-72X-W	For 1" insulation thickness diameter	White TITAN/White E-FLEX
Wall Siding Design				
B	**B87-130**	TSS-650G-72E-B	For 1/2" insulation thickness diameter	Gray TITAN/Black E-FLEX
B	**B87-131**	TSS-650G-72E-W	For 1/2" insulation thickness diameter	Gray TITAN/White E-FLEX
B	**B87-132**	TSS-650W-72E-B	For 1/2" insulation thickness diameter	White TITAN/Black E-FLEX
B	**B87-133**	TSS-650W-72E-W	For 1/2" insulation thickness diameter	White TITAN/White E-FLEX
B	**B87-134**	TSS-675G-72C-B	For 3/4" insulation thickness diameter	Gray TITAN/Black E-FLEX
B	**B87-135**	TSS-675G-72C-W	For 3/4" insulation thickness diameter	Gray TITAN/White E-FLEX
B	**B87-136**	TSS-675W-72C-B	For 3/4" insulation thickness diameter	White TITAN/Black E-FLEX
B	**B87-137**	TSS-675W-72C-W	For 3/4" insulation thickness diameter	White TITAN/White E-FLEX



A



B

Outset Seal

- Adjustable wall outlet that seals penetrations for both central and mini split systems
- Resists mold growth, deters rodents and insects and is UV resistant
- Can be used for both new and existing installs making it the easiest product to use with its hinge style closure
- Blocks air leakage, moisture
- Innovative flexible sleeve design reduces piping vibration & noise
- Fits up to 7/8" OD line set with 3/4" insulation



Order #	Mfg. #	Color	Each
B87-862	84006	Gray	**125.00**

Outset Jacket

- Durable UV-resistant PVC foam insulation
- Hook and loop fastening system is bonded and sewn for extra adherence
- Removable and reusable for easy installation and maintenance
- Will not fray when cut to size
- Vapor retarder and provides a secure, breathable, tight fit



Order #	Mfg. #	Description	Size	Each
B87-918	BSC126B	For 1/2" Insulation	6'	**85.00**
B87-919	BSC346B	For 3/4" Insulation	6'	**85.00**
B87-920	BSC16B	For 1" Insulation	6'	**109.00**
B87-921	BSC1275B	For 1/2" Insulation	75'	**889.00**
B87-922	BSC3475B	For 3/4" Insulation	75'	**949.00**
B87-923	BSC175B	For 1" Insulation	75'	**1099.00**

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MUELLER STREAMLINE CO.



Standard Line Sets

- Designed for quick and easy installation of split system air conditioning systems
- Includes one length each of suction line and liquid line
- Purged with dry air, plugged for clean application
- Preinsulated suction line with 3 wall insulation choices
- Straight end design

Order #	Mfg. #	Wall Insulation	Liquid Line Size	Suction Line Size	Length
B75-235	61080250	3/8"	3/8"	5/8"	25'
B75-236	61080350	3/8"	3/8"	5/8"	35'
B75-237	61080500	3/8"	3/8"	5/8"	50'
B75-238	61280150	3/8"	3/8"	3/4"	15'
B75-284	61280200	3/8"	3/8"	3/4"	20'
B75-239	61280250	3/8"	3/8"	3/4"	25'
B75-285	61280300	3/8"	3/8"	3/4"	30'
B75-240	61280350	3/8"	3/8"	3/4"	35'
B75-286	61280400	3/8"	3/8"	3/4"	40'
B75-241	61280500	3/8"	3/8"	3/4"	50'
B75-287	61480150	3/8"	3/8"	7/8"	15'
B75-288	61480200	3/8"	3/8"	7/8"	20'
B75-242	61480250	3/8"	3/8"	7/8"	25'
B75-289	61480300	3/8"	3/8"	7/8"	30'
B75-243	61480350	3/8"	3/8"	7/8"	35'
B75-290	61480400	3/8"	3/8"	7/8"	40'
B75-244	61480500	3/8"	3/8"	7/8"	50'
B75-280	61880150	3/8"	3/8"	1-1/8"	15'
B75-281	61880200	3/8"	3/8"	1-1/8"	20'
B75-245	61880250	3/8"	3/8"	1-1/8"	25'
B75-282	61880300	3/8"	3/8"	1-1/8"	30'
B75-246	61880350	3/8"	3/8"	1-1/8"	35'
B75-283	61880400	3/8"	3/8"	1-1/8"	40'
B75-247	61880500	3/8"	3/8"	1-1/8"	50'
B75-249	81880500	3/8"	1/2"	1-1/8"	50'
B78-661	61020200	1/2"	3/8"	5/8"	20'
B75-250	61020250	1/2"	3/8"	5/8"	25'
B78-662	61020300	1/2"	3/8"	5/8"	30'
B75-251	61020350	1/2"	3/8"	5/8"	35'
B78-663	61020400	1/2"	3/8"	5/8"	40'
B75-252	61020500	1/2"	3/8"	5/8"	50'
B78-664	61020600	1/2"	3/8"	5/8"	60'
B75-253	61220150	1/2"	3/8"	3/4"	15'
B77-092	61220200	1/2"	3/8"	3/4"	20'
B75-254	61220250	1/2"	3/8"	3/4"	25'
B77-093	61220300	1/2"	3/8"	3/4"	30'
B75-255	61220350	1/2"	3/8"	3/4"	35'
B77-094	61220400	1/2"	3/8"	3/4"	40'
B75-256	61220500	1/2"	3/8"	3/4"	50'
B78-669	61220600	1/2"	3/8"	3/4"	60'
B77-095	61420150	1/2"	3/8"	7/8"	15'
B77-096	61420200	1/2"	3/8"	7/8"	20'
B75-257	61420250	1/2"	3/8"	7/8"	25'

Order #	Mfg. #	Wall Insulation	Liquid Line Size	Suction Line Size	Length
B77-097	61420300	1/2"	3/8"	7/8"	30'
B75-258	61420350	1/2"	3/8"	7/8"	35'
B77-098	61420400	1/2"	3/8"	7/8"	40'
B75-259	61420500	1/2"	3/8"	7/8"	50'
B78-674	61420600	1/2"	3/8"	7/8"	60'
B77-099	61820200	1/2"	3/8"	1-1/8"	20'
B75-260	61820250	1/2"	3/8"	1-1/8"	25'
B77-100	61820300	1/2"	3/8"	1-1/8"	30'
B75-261	61820350	1/2"	3/8"	1-1/8"	35'
B77-101	61820400	1/2"	3/8"	1-1/8"	40'
B75-262	61820500	1/2"	3/8"	1-1/8"	50'
B75-263	81820250	1/2"	1/2"	1-1/8"	25'
B75-264	81820500	1/2"	1/2"	1-1/8"	50'
B78-665	61030200	3/4"	3/8"	5/8"	20'
B75-265	61030250	3/4"	3/8"	5/8"	25'
B78-666	61030300	3/4"	3/8"	5/8"	30'
B75-266	61030350	3/4"	3/8"	5/8"	35'
B78-667	61030400	3/4"	3/8"	5/8"	40'
B75-267	61030500	3/4"	3/8"	5/8"	50'
B78-668	61030600	3/4"	3/8"	5/8"	60'
B75-268	61230150	3/4"	3/8"	3/4"	15'
B78-670	61230200	3/4"	3/8"	3/4"	20'
B75-269	61230250	3/4"	3/8"	3/4"	25'
B78-671	61230300	3/4"	3/8"	3/4"	30'
B75-270	61230350	3/4"	3/8"	3/4"	35'
B78-672	61230400	3/4"	3/8"	3/4"	40'
B75-271	61230500	3/4"	3/8"	3/4"	50'
B78-673	61230600	3/4"	3/8"	3/4"	60'
B78-675	61430200	3/4"	3/8"	7/8"	20'
B75-272	61430250	3/4"	3/8"	7/8"	25'
B78-676	61430300	3/4"	3/8"	7/8"	30'
B75-273	61430350	3/4"	3/8"	7/8"	35'
B78-677	61430400	3/4"	3/8"	7/8"	40'
B75-274	61430500	3/4"	3/8"	7/8"	50'
B78-678	61430600	3/4"	3/8"	7/8"	60'
B75-275	61830250	3/4"	3/8"	1-1/8"	25'
B78-680	61830300	3/4"	3/8"	1-1/8"	30'
B75-276	61830350	3/4"	3/8"	1-1/8"	35'
B78-681	61830400	3/4"	3/8"	1-1/8"	40'
B75-277	61830500	3/4"	3/8"	1-1/8"	50'
B75-278	81830250	3/4"	1/2"	1-1/8"	25'
B75-279	81830500	3/4"	1/2"	1-1/8"	50'

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Duraguard UV Standard Line Sets

MUELLER STREAMLINE CO.

- Abrasion and weather resistant polymeric jacket
- Insulating properties of elastomeric foam
- Available in ½", ¾"and 1" wall
- 5-year limited manufacturer warranty on insulation including UV Resistance
- Compliance: ASTM E 84 25/50, 2012/2015 IECC (Res. + Comm.), UL 94 (fire stop), and CA Title 24, Section 120.3



Order #	Mfg. #	Wall Insulation	Liquid Line Size	Suction Line Size	Length
B61-727	61020250C	1/2"	3/8"	5/8"	25'
B61-728	61020350C	1/2"	3/8"	5/8"	35'
B61-729	61020500C	1/2"	3/8"	5/8"	50'
B61-730	61220250C	1/2"	3/8"	3/4"	25'
B61-731	61220350C	1/2"	3/8"	3/4"	35'
B61-732	61220500C	1/2"	3/8"	3/4"	50'
B61-733	61420250C	1/2"	3/8"	7/8"	25'
B61-734	61420350C	1/2"	3/8"	7/8"	35'
B61-735	61420500C	1/2"	3/8"	7/8"	50'
B65-548	61820350C	1/2"	3/8"	1-1/8"	35'
B65-549	61820500C	1/2"	3/8"	1-1/8"	50'
B61-736	61030250C	3/4"	3/8"	5/8"	25'
B61-737	61030350C	3/4"	3/8"	5/8"	35'
B61-738	61030500C	3/4"	3/8"	5/8"	50'
B61-739	61230250C	3/4"	3/8"	3/4"	25'

Order #	Mfg. #	Wall Insulation	Liquid Line Size	Suction Line Size	Length
B61-740	61230350C	3/4"	3/8"	3/4"	35'
B61-741	61230500C	3/4"	3/8"	3/4"	50'
B61-742	61430250C	3/4"	3/8"	7/8"	25'
B61-743	61430350C	3/4"	3/8"	7/8"	35'
B61-744	61430500C	3/4"	3/8"	7/8"	50'
B62-576	61010250C	1"	3/8"	5/8"	25'
B62-577	61010350C	1"	3/8"	5/8"	35'
B62-578	61010500C	1"	3/8"	5/8"	50'
B62-579	61210250C	1"	3/8"	3/4"	25'
B62-580	61210350C	1"	3/8"	3/4"	35'
B62-581	61210500C	1"	3/8"	3/4"	50'
B62-582	61410250C	1"	3/8"	7/8"	25'
B62-583	61410350C	1"	3/8"	7/8"	35'
B62-584	61410500C	1"	3/8"	7/8"	50'

Mini-Split Line Sets

MUELLER STREAMLINE CO.

- Designed for quick and easy installation of split system air conditioning systems
- Includes one length each of suction line and liquid line
- Purged with dry air, plugged for clean application
- Preinsulated liquid and suction line
- Flare nuts on both ends



Order #	Mfg. #	Wall Insulation	Liquid Line Size	Suction Line Size	Length
B92-599	40680150B3B6	3/8"	1/4"	3/8"	15'
B92-600	40680350B3B6	3/8"	1/4"	3/8"	35'
B96-639	40680500B3B6	3/8"	1/4"	3/8"	50'
B92-601	40880150B3B6	3/8"	1/4"	1/2"	15'
B92-602	40880350B3B6	3/8"	1/4"	1/2"	35'
B96-640	40880500B3B6	3/8"	1/4"	1/2"	50'
B92-603	41080150B3B6	3/8"	1/4"	5/8"	15'
B92-604	41080350B3B6	3/8"	1/4"	5/8"	35'
B96-641	41080500B3B6	3/8"	1/4"	5/8"	50'
B71-723	60880150B3B6	3/8"	3/8"	1/2"	15'
B71-724	60880250B3B6	3/8"	3/8"	1/2"	25'
B71-725	60880350B3B6	3/8"	3/8"	1/2"	35'
B71-726	60880500B3B6	3/8"	3/8"	1/2"	50'
B92-694	61080150B3B6	3/8"	3/8"	5/8"	15'
B92-695	61080350B3B6	3/8"	3/8"	5/8"	35'
B96-642	61080500B3B6	3/8"	3/8"	5/8"	50'
B95-784	61280350B3B6	3/8"	3/8"	3/4"	35'
B96-643	61280500B3B6	3/8"	3/8"	3/4"	50'
B72-487	40620150B3B6	1/2"	1/4"	3/8"	15'
B78-683	40620200B3B6	1/2"	1/4"	3/8"	20'
B78-684	40620250B3B6	1/2"	1/4"	3/8"	25'
B78-685	40620300B3B6	1/2"	1/4"	3/8"	30'
B72-488	40620350B3B6	1/2"	1/4"	3/8"	35'
B78-686	40620400B3B6	1/2"	1/4"	3/8"	40'
B72-489	40620500B3B6	1/2"	1/4"	3/8"	50'
B78-687	40620600B3B6	1/2"	1/4"	3/8"	60'
B72-490	40820150B3B6	1/2"	1/4"	1/2"	15'
B78-694	40820200B3B6	1/2"	1/4"	1/2"	20'

Order #	Mfg. #	Wall Insulation	Liquid Line Size	Suction Line Size	Length
B78-695	40820250B3B6	1/2"	1/4"	1/2"	25'
B78-696	40820300B3B6	1/2"	1/4"	1/2"	30'
B72-491	40820350B3B6	1/2"	1/4"	1/2"	35'
B78-697	40820400B3B6	1/2"	1/4"	1/2"	40'
B72-492	40820500B3B6	1/2"	1/4"	1/2"	50'
B78-698	40820600B3B6	1/2"	1/4"	1/2"	60'
B72-493	41020150B3B6	1/2"	1/4"	5/8"	15'
B78-705	41020200B3B6	1/2"	1/4"	5/8"	20'
B78-706	41020250B3B6	1/2"	1/4"	5/8"	25'
B78-707	41020300B3B6	1/2"	1/4"	5/8"	30'
B72-494	41020350B3B6	1/2"	1/4"	5/8"	35'
B78-708	41020400B3B6	1/2"	1/4"	5/8"	40'
B72-495	41020500B3B6	1/2"	1/4"	5/8"	50'
B72-496	61020150B3B6	1/2"	3/8"	5/8"	15'
B78-715	61020200B3B6	1/2"	3/8"	5/8"	20'
B78-716	61020250B3B6	1/2"	3/8"	5/8"	25'
B78-717	61020300B3B6	1/2"	3/8"	5/8"	30'
B72-497	61020350B3B6	1/2"	3/8"	5/8"	35'
B78-718	61020400B3B6	1/2"	3/8"	5/8"	40'
B72-498	61020500B3B6	1/2"	3/8"	5/8"	50'
B72-499	61220150B3B6	1/2"	3/8"	3/4"	15'
B72-500	61220350B3B6	1/2"	3/8"	3/4"	35'
B72-501	61220500B3B6	1/2"	3/8"	3/4"	50'
B73-802	60820150B3B6	1/2"	3/8"	1/2"	15'
B73-803	60820250B3B6	1/2"	3/8"	1/2"	25'
B73-804	60820350B3B6	1/2"	3/8"	1/2"	35'

continued on next page

Order #	Mfg. #	Wall Insulation	Liquid Line Size	Suction Line Size	Length
B73-805	60820500B3B6	1/2"	3/8"	1/2"	50'
B78-688	40630200B3B6	3/4"	1/4"	3/8"	20'
B78-689	40630250B3B6	3/4"	1/4"	3/8"	25'
B78-690	40630300B3B6	3/4"	1/4"	3/8"	30'
B78-691	40630350B3B6	3/4"	1/4"	3/8"	35'
B78-693	40630500B3B6	3/4"	1/4"	3/8"	50'
B78-699	40830200B3B6	3/4"	1/4"	1/2"	20'
B78-700	40830250B3B6	3/4"	1/4"	1/2"	25'
B78-701	40830300B3B6	3/4"	1/4"	1/2"	30'
B78-702	40830350B3B6	3/4"	1/4"	1/2"	35'
B78-703	40830400B3B6	3/4"	1/4"	1/2"	40'
B78-704	40830500B3B6	3/4"	1/4"	1/2"	50'

Order #	Mfg. #	Wall Insulation	Liquid Line Size	Suction Line Size	Length
B78-710	41030250B3B6	3/4"	1/4"	5/8"	25'
B78-711	41030300B3B6	3/4"	1/4"	5/8"	30'
B78-712	41030350B3B6	3/4"	1/4"	5/8"	35'
B78-714	41030500B3B6	3/4"	1/4"	5/8"	50'
B78-719	61030200B3B6	3/4"	3/8"	5/8"	20'
B78-720	61030250B3B6	3/4"	3/8"	5/8"	25'
B78-721	61030300B3B6	3/4"	3/8"	5/8"	30'
B78-722	61030350B3B6	3/4"	3/8"	5/8"	35'
B78-724	61030500B3B6	3/4"	3/8"	5/8"	50'
B71-721	61230500B3B6	3/4"	3/8"	3/4"	50'
B71-722	61230350B3B6	3/4"	3/8"	3/4"	35'

MUELLER STREAMLINE CO.

Duraguard UV Mini-Split Line Sets



- Abrasion and weather resistant polymeric jacket
- Insulating properties of elastomeric foam
- Available in ½", ¾"and 1" wall
- 5-year limited manufacturer warranty on insulation including UV Resistance
- Compliance: ASTM E 84 25/50, 2012/2015 IECC (Res. + Comm.), UL 94 (fire stop), and CA Title 24, Section 120.3

Order #	Mfg. #	Wall Insulation	Liquid Line Size	Suction Line Size	Length
B62-597	40620150B3B6C	1/2"	1/4"	3/8"	15'
B61-745	40620250B3B6C	1/2"	1/4"	3/8"	25'
B61-746	40620350B3B6C	1/2"	1/4"	3/8"	35'
B61-747	40620500B3B6C	1/2"	1/4"	3/8"	50'
B62-598	40820150B3B6C	1/2"	1/4"	1/2"	15'
B61-748	40820250B3B6C	1/2"	1/4"	1/2"	25'
B61-749	40820350B3B6C	1/2"	1/4"	1/2"	35'
B61-750	40820500B3B6C	1/2"	1/4"	1/2"	50'
B63-078	41020150B3B6C	1/2"	1/4"	5/8"	15'
B63-079	41020250B3B6C	1/2"	1/4"	5/8"	25'
B63-080	41020350B3B6C	1/2"	1/4"	5/8"	35'
B63-081	41020500B3B6C	1/2"	1/4"	5/8"	50'
B62-599	61020150B3B6C	1/2"	3/8"	5/8"	15'
B61-751	61020250B3B6C	1/2"	3/8"	5/8"	25'
B61-752	61020350B3B6C	1/2"	3/8"	5/8"	35'
B61-753	61020500B3B6C	1/2"	3/8"	5/8"	50'
B65-562	61220500B3B6C	1/2"	3/8"	3/4"	50'
B62-600	40630150B3B6C	3/4"	1/4"	3/8"	15'
B61-754	40630250B3B6C	3/4"	1/4"	3/8"	25'
B61-755	40630350B3B6C	3/4"	1/4"	3/8"	35'
B61-756	40630500B3B6C	3/4"	1/4"	3/8"	50'

Order #	Mfg. #	Wall Insulation	Liquid Line Size	Suction Line Size	Length
B62-601	40830150B3B6C	3/4"	1/4"	1/2"	15'
B61-757	40830250B3B6C	3/4"	1/4"	1/2"	25'
B61-758	40830350B3B6C	3/4"	1/4"	1/2"	35'
B61-759	40830500B3B6C	3/4"	1/4"	1/2"	50'
B62-602	61030150B3B6C	3/4"	3/8"	5/8"	15'
B61-760	61030250B3B6C	3/4"	3/8"	5/8"	25'
B61-761	61030350B3B6C	3/4"	3/8"	5/8"	35'
B61-762	61030500B3B6C	3/4"	3/8"	5/8"	50'
B62-585	40610150B3B6C	1"	1/4"	3/8"	15'
B62-586	40610250B3B6C	1"	1/4"	3/8"	25'
B62-587	40610350B3B6C	1"	1/4"	3/8"	35'
B62-588	40610500B3B6C	1"	1/4"	3/8"	50'
B62-589	40810150B3B6C	1"	1/4"	1/2"	15'
B62-590	40810250B3B6C	1"	1/4"	1/2"	25'
B62-591	40810350B3B6C	1"	1/4"	1/2"	35'
B62-592	40810500B3B6C	1"	1/4"	1/2"	50'
B62-593	61010150B3B6C	1"	3/8"	5/8"	15'
B62-594	61010250B3B6C	1"	3/8"	5/8"	25'
B62-595	61010350B3B6C	1"	3/8"	5/8"	35'
B62-596	61010500B3B6C	1"	3/8"	5/8"	50'

RECTORSEAL
A CSW Industrials Company

NoKink™ Flexible Mini-Split Refrigerant Line Connectors



- Eliminates kinking refrigerant line when mounting mini-split evaporators
- Typically requires only one installer
- Braided stainless steel flexible body; 3" copper stubs for quick connection
- Flare or silver soldered to fit any line set size combination
- 800 PSI operating pressure rating

Order #	Mfg. #	Description
B86-186	66731	1/4" Flex Hose x 36" Length
B86-187	66733	3/8" Flex Hose x 36" Length
B86-188	66737	1/2" Flex Hose x 36" Length
B86-189	66735	5/8" Flex Hose x 36" Length
B86-398	66732	3/4" Flex Hose x 36" Length

Order #	Mfg. #	Description
B86-399	66734	7/8" Flex Hose x 36" Length
B86-400	68231	1/4" Flex Hose x 72" Length
B86-401	68233	3/8" Flex Hose x 72" Length
B86-402	68235	5/8" Flex Hose x 72" Length
B86-403	68237	1/2" Flex Hose x 72" Length

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Duraguard UV Copper Line Set Rolls

MUELLER STREAMLINE CO.

- Abrasion and weather resistant polymeric jacket, providing the best protection in the industry
- Insulating properties of elastomeric foam
- 5-year limited manufacturer warranty on insulation including UV Resistance
- Compliance: ASTM E 84 25/50, 2012/2015 IECC (Res. + Comm.), UL 94 (fire stop), and CA Title 24, Section 120.3



Order #	Mfg. #	Description	O.D.	Length
B62-745	00420500C	1/2" Insulation	1/4"	50'
B62-746	00620500C	1/2" Insulation	3/8"	50'
B62-747	00820500C	1/2" Insulation	1/2"	50'
B62-748	01020500C	1/2" Insulation	5/8"	50'
B62-749	01220500C	1/2" Insulation	3/4"	50'
B62-750	01420500C	1/2" Insulation	7/8"	50'
B62-751	00421000C	1/2" Insulation	1/4"	100'
B62-752	00621000C	1/2" Insulation	3/8"	100'
B62-753	00821000C	1/2" Insulation	1/2"	100'
B62-754	01021000C	1/2" Insulation	5/8"	100'
B62-755	01221000C	1/2" Insulation	3/4"	100'
B62-756	01421000C	1/2" Insulation	7/8"	100'
B66-315	00421500C	1/2" Insulation	1/4"	150'
B66-316	00621500C	1/2" Insulation	3/8"	150'
B66-317	00821500C	1/2" Insulation	1/2"	150'
B66-318	01021500C	1/2" Insulation	5/8"	150'
B66-319	00421640C	1/2" Insulation	1/4"	164'
B66-320	00621640C	1/2" Insulation	3/8"	164'
B66-321	00821640C	1/2" Insulation	1/2"	164'

Order #	Mfg. #	Description	O.D.	Length
B66-322	01021640C	1/2" Insulation	5/8"	164'
B63-056	00430500C	3/4" Insulation	1/4"	50'
B63-057	00630500C	3/4" Insulation	3/8"	50'
B63-058	00830500C	3/4" Insulation	1/2"	50'
B63-059	01030500C	3/4" Insulation	5/8"	50'
B63-060	01230500C	3/4" Insulation	3/4"	50'
B63-061	01430500C	3/4" Insulation	7/8"	50'
B63-062	00431000C	3/4" Insulation	1/4"	100'
B63-063	00631000C	3/4" Insulation	3/8"	100'
B63-064	00831000C	3/4" Insulation	1/2"	100'
B63-065	01031000C	3/4" Insulation	5/8"	100'
B63-066	01231000C	3/4" Insulation	3/4"	100'
B63-067	01431000C	3/4" Insulation	7/8"	100'
B62-807	00410500C	1" Insulation	1/4"	50'
B62-808	00610500C	1" Insulation	3/8"	50'
B62-809	00810500C	1" Insulation	1/2"	50'
B62-810	01010500C	1" Insulation	5/8"	50'
B62-811	01210500C	1" Insulation	3/4"	50'
B62-812	01410500C	1" Insulation	7/8"	50'

Non-Copper PERT-AL-PERT Line Set Rolls

Python LINE SETS

- PERT-AL-PERT line set and compression fitting system for both unitary and mini-split systems
- Consists of an inner chemically resistant PERT layer, wrapped in an aluminum layer, with a carbon black UV resistant outer PERT layer
- Lightweight, flexible and kink resistant
- Tested and Listed to ASTM F3506-21 standard specifications
- Brass compression crimp fittings can be applied in the field without the use of special press tools
- Maximumum design pressure is 700psi for 1/4" - 3/4" and 650psi for 7/8"
- Maximum design temperature is 203°F
- Approved refrigerants are R410a, R32 and R454b



A



B

Fig.	Order #	Mfg. #	Description	O.D.	Length
A	**B66-917**	5020	Uninsulated	1/4"	50'
A	**B66-918**	5120	Uninsulated	3/8"	50'
A	**B66-919**	5220	Uninsulated	1/2"	50'
A	**B66-920**	5320	Uninsulated	5/8"	50'
A	**B66-921**	5420	Uninsulated	3/4"	50'
A	**B66-922**	5520	Uninsulated	7/8"	50'
A	**B66-923**	5040	Uninsulated	1/4"	300'
A	**B66-924**	5140	Uninsulated	3/8"	300'
A	**B66-925**	5240	Uninsulated	1/2"	300'
A	**B66-926**	5340	Uninsulated	5/8"	300'
A	**B66-927**	5440	Uninsulated	3/4"	300'
A	**B66-928**	5540	Uninsulated	7/8"	300'
B	**B66-929**	5030	1/2" Insulation	1/4"	50'
B	**B66-930**	5130	1/2" Insulation	3/8"	50'
B	**B66-931**	5230	1/2" Insulation	1/2"	50'
B	**B66-932**	5330	1/2" Insulation	5/8"	50'
B	**B66-933**	5430	1/2" Insulation	3/4"	50'
B	**B66-934**	5530	1/2" Insulation	7/8"	50'

Fig.	Order #	Mfg. #	Description	O.D.	Length
B	**B66-935**	5050	1/2" Insulation	1/4"	300'
B	**B66-936**	5150	1/2" Insulation	3/8"	300'
B	**B66-937**	5250	1/2" Insulation	1/2"	300'
B	**B66-938**	5350	1/2" Insulation	5/8"	300'
B	**B66-939**	5450	1/2" Insulation	3/4"	300'
B	**B66-940**	5550	1/2" Insulation	7/8"	300'
B	**B66-941**	5035	3/4" Insulation	1/4"	50'
B	**B66-942**	5135	3/4" Insulation	3/8"	50'
B	**B66-943**	5235	3/4" Insulation	1/2"	50'
B	**B66-944**	5335	3/4" Insulation	5/8"	50'
B	**B66-945**	5435	3/4" Insulation	3/4"	50'
B	**B66-946**	5535	3/4" Insulation	7/8"	50'
B	**B66-947**	5055	3/4" Insulation	1/4"	300'
B	**B66-948**	5155	3/4" Insulation	3/8"	300'
B	**B66-949**	5255	3/4" Insulation	1/2"	300'
B	**B66-950**	5355	3/4" Insulation	5/8"	300'
B	**B66-951**	5455	3/4" Insulation	3/4"	300'
B	**B66-952**	5555	3/4" Insulation	7/8"	300'

Python Fittings And Accessories

NEW

- For use with Python line sets
- Designed for both unitary and mini-split installations
- Solid brass and can be field installed without the use of a special tool
- Contains lead


A


B


C


D


E


F


G


H

Fig.	Order #	Mfg. #	Description
A	**R59-541**	6000	1/4" Male Compression
A	**R59-542**	6005	3/8" Male Compression
A	**R59-543**	6010	1/2" Male Compression
A	**R59-544**	6015	5/8" Male Compression
A	**R59-545**	6020	3/4" Male Compression
A	**R59-546**	6025	7/8" Male Compression
B	**R59-547**	6100	1/4" Female Compression
B	**R59-548**	6105	3/8" Female Compression
B	**R59-549**	6110	1/2" Female Compression
B	**R59-550**	6115	5/8" Female Compression
B	**R59-551**	6120	3/4" Female Compression
B	**R59-552**	6125	7/8" Female Compression
C	**R59-553**	6200	1/4" Coupler Compression
C	**R59-554**	6205	3/8" Coupler Compression
C	**R59-555**	6210	1/2" Coupler Compression
C	**R59-556**	6215	5/8" Coupler Compression
C	**R59-557**	6220	3/4" Coupler Compression
C	**R59-558**	6225	7/8" Coupler Compression
D	**R59-559**	6300	1/4" Copper Stub
D	**R59-560**	6305	3/8" Copper Stub
D	**R59-561**	6310	1/2" Copper Stub
D	**R59-562**	6315	5/8" Copper Stub

Fig.	Order #	Mfg. #	Description
D	**R59-563**	6320	3/4" Copper Stub
D	**R59-564**	6325	7/8" Copper Stub
E	**R59-565**	6400	1/4" Flare Nut
E	**R59-566**	6405	3/8" Flare Nut
E	**R59-567**	6410	1/2" Flare Nut
E	**R59-568**	6415	5/8" Flare Nut
E	**R59-569**	6420	3/4" Flare Nut
E	**R59-570**	6425	7/8" Flare Nut
F	**R59-571**	6500	1/4" Male Flare Elbow
F	**R59-572**	6505	3/8" Male Flare Elbow
F	**R59-573**	6510	1/2" Male Flare Elbow
F	**R59-574**	6515	5/8" Male Flare Elbow
F	**R59-575**	6520	3/4" Male Flare Elbow
F	**R59-576**	6525	7/8" Male Flare Elbow
G	**R59-771** ◀	6605	3/8" Split System Compression
G	**R59-772** ◀	6610	1/2" Split System Compression
G	**R59-773** ◀	6615	5/8" Split System Compression
G	**R59-774** ◀	6620	3/4" Split System Compression
G	**R59-775** ◀	6625	7/8" Split System Compression
H	**H28-922**	7000	1/4" to 1/2" Chamfering Tool
H	**H28-923**	7001	5/8" to 7/8" Chamfering Tool

Copper Refrigeration Tubing



- Quality seamless dehydrated copper tubing for HVAC equipment
- Rolls are bright annealed, dehydrated and end sealed
- Carefully annealed for flaring; conforms to ASTM specifications
- Plastic coated copper tubing available for gas and fuel oil applications; see online catalog

Order #	O.D.	Length	Wall Thickness	Case Qty.
B92-003	3/16IN OD	50FT	0.030"	10
B92-002	1/4IN OD	50FT	0.030"	10
B92-006	5/16IN OD	50FT	0.032"	10
B92-005	3/8IN OD	50FT	0.032"	10
B92-001	1/2IN OD	50FT	0.032"	5

Order #	O.D.	Length	Wall Thickness	Case Qty.
B92-007	5/8IN OD	50FT	0.035"	5
B92-004	3/4IN OD	50FT	0.035"	3
B92-083	7/8IN OD	50FT	0.045"	1
B92-014	1-1/8IN OD	50FT	0.050"	1

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Soft Copper Water Tubing

MUELLER STREAMLINE CO.

- Type L, 60' coils, ideal for plumbing, heating installations, oil piping, underground drains and many industrial applications



Order #	O.D.	Nom. Size	Length	Wall Thickness	Case Qty.
B92-010	3/8IN OD	1/4 NOMINAL	60FT	0.030"	1
B92-012	1/2IN OD	3/8 NOMINAL	60FT	0.035"	1

Order #	O.D.	Nom. Size	Length	Wall Thickness	Case Qty.
B92-009	5/8IN OD	1/2 NOMINAL	60FT	0.040"	1
B92-011	7/8IN OD	3/4 NOMINAL	60FT	0.045"	1

Deoxidized Copper Utility Tubing

JMF

- 1/4" O.D., 0.02" wall thickness; for ice makers, evaporative coolers, drain lines on vending machines, fountains, etc.



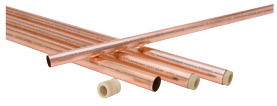
Order #	Description	O.D.	Length
B92-073	25' Length	1/4IN OD	25FT

Order #	Description	O.D.	Length
B92-088	50' Length	1/4IN OD	50FT

Hard-Drawn Copper Tubing

MUELLER STREAMLINE CO.

- ACR tubing is used for air conditioning and commercial refrigeration applications and is cleaned, purged of air and sealed with nitrogen atmosphere
- Type M tubing is used in plumbing and non-refrigeration related heating and cooling applications



Order #	Type	O.D.	Nom. Size	Length	Wall Thickness	Bundle Size
B92-178	ACR	3/8"	1/4"	20'	0.030"	25 Pieces
B92-179	ACR	1/2"	3/8"	20'	0.035"	25 Pieces
B92-180	ACR	5/8"	1/2"	20'	0.040"	25 Pieces
B92-181	ACR	3/4"	5/8"	20'	0.042"	10 Pieces
B92-182	ACR	7/8"	3/4"	20'	0.045"	10 Pieces
B92-183	ACR	1-1/8"	1"	20'	0.050"	5 Pieces
B92-184	ACR	1-3/8"	1-1/4"	20'	0.055"	5 Pieces
B92-405	ACR	1-5/8"	1-1/2"	20'	0.060"	5 Pieces
B92-406	ACR	2-1/8"	2"	20'	0.070"	1 Piece
B92-543	ACR	2-5/8"	2-1/2"	20'	0.080"	1 Piece
B92-544	ACR	3-1/8"	3"	20'	0.090"	1 Piece
B92-696	TYPE M	5/8"	1/2"	20'	0.025"	25 Pieces
B92-697	TYPE M	7/8"	3/4"	20'	0.032"	10 Pieces
B92-698	TYPE M	1-1/8"	1"	20'	0.035"	5 Pieces
B92-699	TYPE M	1-3/8"	1-1/4"	20'	0.042"	5 Pieces
B92-700	TYPE M	1-5/8"	1-1/2"	20'	0.049"	5 Pieces

Order #	Type	O.D.	Nom. Size	Length	Wall Thickness	Bundle Size
B99-173	ACR	3/8"	1/4"	10'	0.030"	25 Pieces
B99-174	ACR	1/2"	3/8"	10'	0.035"	25 Pieces
B99-175	ACR	5/8"	1/2"	10'	0.040"	25 Pieces
B99-176	ACR	3/4"	5/8"	10'	0.042"	10 Pieces
B99-177	ACR	7/8"	3/4"	10'	0.045"	10 Pieces
B99-178	ACR	1-1/8"	1"	10'	0.050"	5 Pieces
B99-179	ACR	1-3/8"	1-1/4"	10'	0.055"	5 Pieces
B99-180	ACR	1-5/8"	1-1/2"	10'	0.060"	5 Pieces
B99-181	ACR	2-1/8"	2"	10'	0.070"	1 Piece
B99-182	ACR	2-5/8"	2-1/2"	10'	0.080"	1 Piece
B99-183	ACR	3-1/8"	3"	10'	0.090"	1 Piece
B99-184	TYPE M	5/8"	1/2"	10'	0.025"	25 Pieces
B99-185	TYPE M	7/8"	3/4"	10'	0.032"	10 Pieces
B99-186	TYPE M	1-1/8"	1"	10'	0.035"	10 Pieces
B99-187	TYPE M	1-3/8"	1-1/4"	10'	0.042"	5 Pieces
B99-188	TYPE M	1-5/8"	1-1/2"	10'	0.049"	5 Pieces

Plastic Coated Copper Tubing

GasShield™ and OilShield™ Type "L"

MUELLER STREAMLINE CO.

- GasShield is yellow for LP and natural gas applications; OilShield orange for fuel oil applications
- Polyethylene coating is extruded directly onto the copper, providing consistent corrosion protection
- Eliminates the need for on-site tape wrapping or sleeving
- Suitable for direct burial and through concrete slab
- Compatible with standard solder fittings, brazing techniques and compression fittings
- Complies with ASTM standards



A



B

Fig.	Order #	Mfg. #	Description	O.D.	Nom. Size	Length	Case Qty.
A	**B61-615**	DG06050	Oil	3/8"	1/4"	50'	5
A	**B61-616**	DG08050	Oil	1/2"	3/8"	50'	5
A	**B61-617**	DG10050	Oil	5/8"	1/2"	50'	5
B	**B96-697**	LY02060	Gas	3/8"	1/4"	60'	5
B	**B96-698**	LY03060	Gas	1/2"	3/8"	60'	3
B	**B96-699**	LY04060	Gas	5/8"	1/2"	60'	1

MUELLER STREAMLINE CO.

90° Close Ruff Elbows C x C



Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R54-070	W01622	5/8"	1/2"	100
R54-072	W01634	7/8"	3/4"	50
R54-073	W01647	1-1/8"	1"	25

MUELLER STREAMLINE CO.

90° Close Ruff Street Elbows FTG x C



Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R54-074	W01652	5/8"	1/2"	50
R54-076	W01654	7/8"	3/4"	25

MUELLER STREAMLINE CO.

90° Short Radius Elbows C x C



Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R53-292	W02003	1/4"	1/8"	50
R53-294	W02009	3/8"	1/4"	50
R53-295	W02017	1/2"	3/8"	50
R53-289	W02022	5/8"	1/2"	100
R53-290	W02028	3/4"	5/8"	50
R53-606	W02034	7/8"	3/4"	50
R53-689	W02047	1-1/8"	1"	25
R53-682	W02084	1-3/8"	1-1/4"	10
R53-914	W02085	1-5/8"	1-1/2"	10
R53-915	W02086	2-1/8"	2"	10
R54-395	W02087	2-5/8"	2-1/2"	5
R54-396	W02088	3-1/8"	3"	5

MUELLER STREAMLINE CO.

90° Short Radius Reducing Elbows C x C



Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R55-373	W02011	3/8"x 1/4"	1/4" x 1/8"	50
R55-374	W02019	1/2" x 3/8"	3/8" x 1/4"	50
R55-375	W02023	5/8" x 1/2"	1/2" x 3/8"	50
R55-376	W02029	3/4" x 5/8"	5/8" x 1/2"	50
R55-378	W02036	7/8"x 5/8"	3/4" x 1/2"	50
R55-377	W02035	7/8" x 3/4"	3/4" x 5/8"	50
R55-379	W02049	1-1/8" x 7/8"	1" x 3/4"	25
R55-380	W02056	1-3/8" x 1-1/8"	1-1/4" x 1"	20
R55-383	W02077	1-5/8" x 1-3/8"	1-1/2" x 1-1/4"	5

MUELLER STREAMLINE CO.

90° Short Radius Street Elbows FTG x C



Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R53-704	W02305	1/4"	1/8"	50
R53-691	W02312	3/8"	1/4"	50
R53-300	W02321	1/2"	3/8"	50
R53-296	W02326	5/8"	1/2"	50
R53-297	W02330	3/4"	5/8"	25
R53-608	W02334	7/8"	3/4"	25
R53-692	W02344	1-1/8"	1"	25
R53-693	W02384	1-3/8"	1-1/4"	25
R53-918	W02385	1-5/8"	1-1/2"	10
R53-919	W02386	2-1/8"	2"	10
R55-388	W02387	2-5/8"	2-1/2"	5
R55-389	W02388	3-1/8"	3"	2

MUELLER STREAMLINE CO.

90° Long Radius Elbows C x C



Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R53-291	W02701	3/16"	—	50
R53-683	W02715	1/4"	1/8"	50
R53-293	W02710	5/16"	—	50
R53-684	W02716	3/8"	1/4"	50
R53-685	W02717	1/2"	3/8"	50
R53-686	W02722	5/8"	1/2"	50
R53-687	W02728	3/4"	5/8"	50
R53-688	W02734	7/8"	3/4"	25
R53-668	W02747	1-1/8"	1"	10
R53-690	W02055	1-3/8"	1-1/4"	10
R53-916	W02063	1-5/8"	1-1/2"	5
R53-917	W02072	2-1/8"	2"	5
R54-397	W02082	2-5/8"	2-1/2"	5
R54-398	W02092	3-1/8"	3"	2
R55-385	W02093	3-5/8"	3-1/2"	1
R55-386	W02095	4-1/8"	4"	1

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90° Long Radius Reducing Elbows C x C

MUELLER STREAMLINE CO.

Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R56-014	W02711	3/8" x 1/4"	1/4" x 1/8"	50
R55-392	W02723	5/8" x 1/2"	1/2" x 3/8"	50
R55-393	W02736	7/8" x 5/8"	3/4" x 1/2"	50
R56-015	W02735	7/8" x 3/4"	3/4" x 5/8"	25
R55-394	W02756	1-3/8" x 1-1/8"	1-1/4" x 1"	10
R55-381	W02064	1-5/8" x 1-3/8"	1-1/2" x 1-1/4"	5
R55-382	W02073	2-1/8" x 1-5/8"	2" x 1-1/2"	2
R55-384	W02083	2-5/8" x 2-1/8"	2-1/2" x 2"	2



90° Long Radius Street Elbows FTG x C

MUELLER STREAMLINE CO.

Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R53-964	W02809	3/8"	1/4"	50
R53-965	W02817	1/2"	3/8"	50
R53-966	W02822	5/8"	1/2"	50
R53-967	W02828	3/4"	5/8"	25
R53-968	W02834	7/8"	3/4"	25
R53-969	W02847	1-1/8"	1"	10
R53-970	W02350	1-3/8"	1-1/4"	10
R53-971	W02355	1-5/8"	1-1/2"	5
R53-972	W02359	2-1/8"	2"	5
R56-016	W02363	2-5/8"	2-1/2"	5
R55-387	W02368	3-1/8"	3"	2
R55-390	W02393	3-5/8"	3-1/2"	1
R55-391	W02395	4-1/8"	4"	1



45° Street Elbows FTG x C

MUELLER STREAMLINE CO.

Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R53-695	W03312	3/8"	1/4"	100
R53-696	W03321	1/2"	3/8"	100
R53-697	W03326	5/8"	1/2"	50
R53-698	W03330	3/4"	5/8"	50
R53-699	W03334	7/8"	3/4"	25
R53-700	W03344	1-1/8"	1"	25
R53-701	W03350	1-3/8"	1-1/4"	10
R53-922	W03355	1-5/8"	1-1/2"	10
R53-923	W03359	2-1/8"	2"	5
R55-397	W03363	2-5/8"	2-1/2"	2
R55-398	W03368	3-1/8"	3"	2



45° Elbows C x C

MUELLER STREAMLINE CO.

Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R53-304	W03005	1/4"	1/8"	50
R53-306	W03012	3/8"	1/4"	50
R53-307	W03021	1/2"	3/8"	50
R53-301	W03026	5/8"	1/2"	50
R53-705	W03030	3/4"	5/8"	50
R53-609	W03034	7/8"	3/4"	25
R53-669	W03044	1-1/8"	1"	25
R53-694	W03050	1-3/8"	1-1/4"	10
R53-920	W03055	1-5/8"	1-1/2"	10
R53-921	W03059	2-1/8"	2"	10
R54-393	W03063	2-5/8"	2-1/2"	5
R54-394	W03067	3-1/8"	3"	2
R55-395	W03070	3-5/8"	3-1/2"	2
R55-396	W03073	4-1/8"	4"	1



Return Bend C x C

MUELLER STREAMLINE CO.

Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R55-462	W06020	3/8" x 1-1/2"	1/4" x 1-1/2"	25
R55-463	W06032	1/2" x 1-1/2"	3/8" x 1-1/2"	50
R55-464	W06051	5/8" x 1-9/16"	1/2" x 1-9/16"	25
R56-017	W06069	5/8" x 6"	1/2" x 6"	5
R56-018	W06056	5/8" x 2-1/4"	1/2" x 2-1/4"	25
R56-019	W06058	5/8" x 2-1/2"	1/2" x 2-1/2"	25
R55-465	W06073	3/4" x 2"	5/8" x 2"	10
R56-020	W06077	3/4" x 2-1/2"	5/8" x 2-1/2"	10
R55-466	W06092	7/8" x 2-1/2"	3/4" x 2-1/2"	10
R56-021	W06095	7/8" x 3-3/8"	3/4" x 3-3/8"	10
R55-505	W60110	1-1/8" x 3"	1" x 3"	5
R56-022	W60111	1-1/8" x 3-1/4"	1" x 3-1/4"	5
R55-506	W60121	1-3/8" x 3-3/4"	1-1/4" x 3-3/4"	5
R55-507	W60131	1-5/8" x 4-1/2"	1-1/2" x 4-1/2"	5
R55-508	W60140	2-1/8" x 5-1/2"	2" x 5-1/2"	5



MUELLER STREAMLINE CO.

Suction Line P-Traps

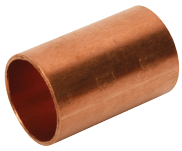


Order #	Mfg. #	O.D.	Pkg. Qty.
R53-990	W60999	5/8"	10
R53-991	W61008	3/4"	10
R53-992	W61000	7/8"	5
R53-993	W61001	1-1/8"	3

Order #	Mfg. #	O.D.	Pkg. Qty.
R53-994	W61002	1-3/8"	4
R53-995	W61003	1-5/8"	4
R53-996	W61009	2-1/8"	1

MUELLER STREAMLINE CO.

Couplings Without Stop C x C



Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R55-365	W01900	1/4"	1/8"	100
R55-366	W01901	3/8"	1/4"	50
R55-367	W01902	1/2"	3/8"	50
R54-078	W01903	5/8"	1/2"	100
R55-368	W01904	3/4"	5/8"	25

Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R54-079	W01905	7/8"	3/4"	50
R55-369	W01906	1-1/8"	1"	25
R55-370	W01907	1-3/8"	1-1/4"	25
R55-371	W01908	1-5/8"	1-1/2"	10
R55-372	W01909	2-1/8"	2"	1

MUELLER STREAMLINE CO.

Reducing Couplings C x C



Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R55-253	W01005	1/4" x 1/8"	—	50
R53-285	W01004	1/4" x 3/16"	—	50
R53-287	W01011	3/8" x 1/4"	1/4" x 1/8"	50
R53-981	W01010	3/8" x 5/16"	—	50
R55-254	W01021	1/2" x 1/4"	3/8" x 1/8"	50
R53-288	W01019	1/2" x 3/8"	3/8" x 1/4"	50
R55-255	W01027	5/8" x 1/4"	1/2" x 1/8"	100
R53-677	W01025	5/8" x 3/8"	1/2" x 1/4"	100
R53-283	W01023	5/8" x 1/2"	1/2" x 3/8"	100
R55-257	W01031	3/4" x 3/8"	5/8" x 1/4"	100
R55-256	W01030	3/4" x 1/2"	5/8" x 3/8"	100
R53-284	W01029	3/4" x 5/8"	5/8" x 1/2"	100
R55-259	W01038	7/8" x 3/8"	3/4" x 1/4"	50
R55-258	W01037	7/8" x 1/2"	3/4" x 3/8"	50
R53-678	W01036	7/8" x 5/8"	3/4" x 1/2"	50
R53-963	W01035	7/8" x 3/4"	3/4" x 5/8"	100
R55-262	W01052	1-1/8" x 1/2"	1" x 3/8"	25
R55-261	W01051	1-1/8" x 5/8"	1" x 1/2"	25
R55-260	W01050	1-1/8" x 3/4"	1" x 5/8"	25
R53-679	W01049	1-1/8" x 7/8"	1" x 3/4"	25
R55-264	W01060	1-3/8" x 5/8"	1-1/4" x 1/2"	10
R55-263	W01058	1-3/8" x 7/8"	1-1/4" x 3/4"	10

Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R53-680	W01056	1-3/8" x 1-1/8"	1-1/4" x 1"	10
R55-266	W01069	1-5/8" x 5/8"	1-1/2" x 1/2"	10
R55-265	W01067	1-5/8" x 7/8"	1-1/2" x 3/4"	10
R53-911	W01065	1-5/8" x 1-1/8"	1-1/2" x 1"	10
R53-910	W01064	1-5/8" x 1-3/8"	1-1/2" x 1-1/4"	10
R55-269	W01079	2-1/8" x 5/8"	2" x 1/2"	1
R55-268	W01077	2-1/8" x 7/8"	2" x 3/4"	1
R55-267	W01075	2-1/8" x 1-1/8"	2" x 1"	1
R53-913	W01074	2-1/8" x 1-3/8"	2" x 1-1/4"	1
R53-912	W01073	2-1/8" x 1-5/8"	2" x 1-1/2"	1
R55-271	W01086	2-5/8" x 1-1/8"	2-1/2" x 1"	1
R55-270	W01085	2-5/8" x 1-3/8"	2-1/2" x 1-1/4"	1
R54-386	W01084	2-5/8" x 1-5/8"	2-1/2" x 1-1/2"	1
R54-385	W01083	2-5/8" x 2-1/8"	2-1/2" x 2"	1
R55-272	W01095	3-1/8" x 1-5/8"	3" x 1-1/2"	1
R54-388	W01094	3-1/8" x 2-1/8"	3" x 2"	1
R54-387	W01093	3-1/8" x 2-5/8"	3" x 2-1/2"	1
R55-471	W10101	3-5/8" x 3-1/8"	3-1/2" x 3"	1
R55-474	W10110	4-1/8" x 2-5/8"	4" x 2-1/2"	1
R55-473	W10109	4-1/8" x 3-1/8"	4" x 3"	1
R55-472	W10108	4-1/8" x 3-5/8"	4" x 3-1/2"	1

MUELLER STREAMLINE CO.

Couplings Rolled Stop C x C



Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R55-252	W01000	1/8"	—	100
R53-278	W01001	3/16"	—	100
R53-279	W01003	1/4"	1/8"	100
R53-280	W10142	5/16"	—	100
R53-281	W01009	3/8"	1/4"	50
R53-282	W01017	1/2"	3/8"	50
R53-267	W01022	5/8"	1/2"	100
R53-277	W01028	3/4"	5/8"	50

Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R53-605	W01034	7/8"	3/4"	50
R53-667	W01047	1-1/8"	1"	25
R53-681	W01055	1-3/8"	1-1/4"	25
R53-908	W01063	1-5/8"	1-1/2"	10
R53-909	W01072	2-1/8"	2"	1
R54-383	W01082	2-5/8"	2-1/2"	1
R54-384	W01092	3-1/8"	3"	1
R55-470	W10100	3-5/8"	3-1/2"	1

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Fitting Reducers FTG x C

MUELLER STREAMLINE CO.

Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R55-313	W01302	1/4" x 1/8"	1/4"x 1/8"	50
R53-707	W01306	3/8" x 1/4"	1/4" x 1/8"	50
R53-709	W01314	1/2" x 1/4"	3/8" x 1/8"	50
R53-708	W01312	1/2" x 3/8"	3/8" x 1/4"	50
R53-711	W01317	5/8" x 3/8"	1/2" x 1/4"	50
R53-710	W01315	5/8" x 1/2"	1/2" x 3/8"	50
R55-314	W01322	3/4" x 3/8"	5/8" x 1/4"	100
R53-713	W01321	3/4" x 1/2"	5/8" x 3/8"	100
R53-712	W01320	3/4" x 5/8"	5/8" x 1/2"	100
R55-315	W01327	7/8" x 1/2"	3/4" x 3/8"	50
R54-064	W01326	7/8" x 5/8"	3/4" x 1/2"	50
R53-714	W01325	7/8" x 3/4"	3/4" x 5/8"	50
R55-317	W01339	1-1/8" x 5/8"	1" x 1/2"	25
R55-316	W01338	1-1/8" x 3/4"	1" x 5/8"	25
R53-715	W01337	1-1/8" x 7/8"	1" x 3/4"	25
R55-319	W01347	1-3/8" x 5/8"	1-1/4" x 1/2"	10
R55-318	W01345	1-3/8" x 7/8"	1-1/4" x 3/4"	10
R53-716	W01343	1-3/8" x 1-1/8"	1-1/4" x 1"	10
R55-320	W01353	1-5/8" x 7/8"	1-1/2" x 3/4"	10
R53-955	W01351	1-5/8" x 1-1/8"	1-1/2" x 1"	10
R53-954	W01350	1-5/8" x 1-3/8"	1-1/2" x 1-1/4"	10

Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R55-322	W01362	2-1/8" x 7/8"	2" x 3/4"	1
R55-321	W01360	2-1/8" x 1-1/8"	2" x 1"	1
R53-957	W01359	2-1/8" x 1-3/8"	2" x 1-1/4"	1
R53-956	W01358	2-1/8" x 1-5/8"	2" x 1-1/2"	1
R55-323	W01369	2-5/8" x 1-3/8"	2-1/2" x 1-1/4"	1
R54-390	W01368	2-5/8" x 1-5/8"	2-1/2" x 1-1/2"	1
R54-389	W01367	2-5/8" x 2-1/8"	2-1/2" x 2"	1
R55-325	W01379	3-1/8" x 1-3/8"	3" x 1-1/4"	1
R55-324	W01378	3-1/8" x 1-5/8"	3" x 1-1/2"	1
R54-392	W01377	3-1/8" x 2-1/8"	3" x 2"	1
R54-391	W01376	3-1/8" x 2-5/8"	3" x 2-1/2"	1
R55-328	W01383	3-5/8" x 2-1/8"	3-1/2" x 2"	1
R55-327	W01382	3-5/8" x 2-5/8"	3-1/2" x 2-1/2"	1
R55-326	W01381	3-5/8" x 3-1/8"	3-1/2" x 3"	1
R55-332	W01389	4-1/8" x 2-1/8"	4" x 2"	1
R55-331	W01388	4-1/8" x 2-5/8"	4" x 2-1/2"	1
R55-330	W01387	4-1/8" x 3-1/8"	4" x 3"	1
R55-329	W01386	4-1/8" x 3-5/8"	4" x 3-1/2"	1



Flush Bushings FTG x C

MUELLER STREAMLINE CO.

Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R55-355	W01706	3/8" x 1/4"	1/4" x 1/8"	100
R55-356	W01712	1/2" x 3/8"	3/8" x 1/4"	100
R56-007	W01717	5/8" x 3/8"	1/2" x 1/4"	100
R55-357	W01715	5/8" x 1/2"	1/2" x 3/8"	100
R55-358	W01722	3/4" x 3/8"	5/8" x 1/4"	50
R56-008	W01721	3/4" x 1/2"	5/8" x 3/8"	50
R56-009	W01720	3/4" x 5/8"	5/8" x 1/2"	50
R55-360	W01727	7/8" x 1/2"	3/4" x 3/8"	50
R56-010	W01726	7/8" x 5/8"	3/4" x 1/2"	50
R55-359	W01725	7/8" x 3/4"	3/4" x 5/8"	50

Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R55-363	W01739	1-1/8" x 5/8"	1" x 1/2"	25
R55-362	W01738	1-1/8" x 3/4"	1" x 5/8"	50
R55-361	W01737	1-1/8" x 7/8"	1" x 3/4"	50
R55-364	W01745	1-3/8" x 7/8"	1-1/4" x 3/4"	10
R56-011	W01743	1-3/8" x 1-1/8"	1-1/4" x 1"	10
R56-012	W01751	1-5/8" x 1-1/8"	1-1/2" x 1"	10
R56-013	W01750	1-5/8" x 1-3/8"	1-1/2" x 1-1/4"	10



Adapters FTG x MPT

MUELLER STREAMLINE CO.

Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R55-334	W01432	5/8" x 3/8"	1/2" x 3/8"	50
R55-333	W01431	5/8" x 1/2"	1/2"	50
R55-336	W01447	7/8" x 1/2"	3/4" x 1/2"	50
R55-335	W01446	7/8" x 3/4"	3/4"	50
R55-338	W01464	1-1/8" x 3/4"	1" x 3/4"	25

Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R55-337	W01463	1-1/8" x 1"	1"	25
R55-339	W01471	1-3/8" x 1-1/4"	1-1/4"	10
R55-340	W01479	1-5/8" x 1-1/2"	1-1/2"	10
R55-341	W01487	2-1/8" x 2"	2"	1



Adapters C x FPT

MUELLER STREAMLINE CO.

Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R55-299	W01207	1/4" x 1/8"	1/8"	100
R55-301	W01215	3/8" x 1/4"	1/4"	50
R53-944	W01225	1/2" x 3/8"	3/8"	50
R53-945	W01231	5/8" x 1/2"	1/2"	50
R53-947	W01246	7/8" x 3/4"	3/4"	25
R53-949	W01263	1-1/8" x 1"	1"	25

Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R53-951	W01271	1-3/8" x 1-1/4"	1-1/4"	10
R53-952	W01279	1-5/8" x 1-1/2"	1-1/2"	10
R53-953	W01287	2-1/8" x 2"	2"	1
R55-311	W01296	2-5/8" x 2-1/2"	2-1/2"	1
R55-312	W01297	3-1/8" x 3"	3"	1



MUELLER STREAMLINE CO.

Reducing Adapters C x FPT



Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R55-298	W01206	1/4" x 1/4"	1/8" x 1/4"	100
R55-297	W01205	1/4" x 3/8"	1/8" x 3/8"	100
R55-296	W01204	1/4" x 1/2"	1/8" x 1/2"	100
R55-302	W01216	3/8" x 1/8"	1/4" x 1/8"	100
R55-300	W01214	3/8" x 3/8"	1/4" x 3/8"	50
R55-305	W01226	1/2" x 1/4"	3/8" x 1/4"	50
R55-304	W01224	1/2" x 1/2"	3/8" x 1/2"	50
R55-303	W01223	1/2" x 3/4"	3/8" x 3/4"	50
R54-697	W01233	5/8" x 1/4"	1/2" x 1/4"	50
R53-946	W01232	5/8" x 3/8"	1/2" x 3/8"	50

Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R54-067	W01230	5/8" x 3/4"	1/2" x 3/4"	25
R53-948	W01247	7/8" x 1/2"	3/4" x 1/2"	25
R55-306	W01245	7/8" x 1"	3/4" x 1"	25
R53-950	W01264	1-1/8" x 3/4"	1" x 3/4"	25
R55-308	W01272	1-3/8" x 1"	1-1/4" x 1"	10
R55-307	W01270	1-3/8" x 1-1/2"	1-1/4" x 1-1/2"	10
R55-310	W01280	1-5/8" x 1-1/4"	1-1/2" x 1-1/4"	5
R55-309	W01278	1-5/8" x 2"	1-1/2" x 2"	1

MUELLER STREAMLINE CO.

Adapters FTG x FPT



Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R55-342	W01514	3/8" x 3/8"	1/4" x 3/8"	50
R55-345	W01526	1/2" x 1/4"	3/8" x 1/4"	50
R55-344	W01525	1/2" x 3/8"	3/8"	50
R55-343	W01524	1/2" x 1/2"	3/8" x 1/2"	50
R55-347	W01532	5/8" x 3/8"	1/2" x 3/8"	50
R55-346	W01531	5/8" x 1/2"	1/2"	50
R55-349	W01547	7/8" x 1/2"	3/4" x 1/2"	50

Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R55-348	W01546	7/8" x 3/4"	3/4"	25
R55-351	W01564	1-1/8" x 3/4"	1" x 3/4"	25
R55-350	W01563	1-1/8" x 1"	1"	25
R55-352	W01571	1-3/8" x 1-1/4"	1-1/4"	10
R55-353	W01579	1-5/8" x 1-1/2"	1-1/2"	10
R55-354	W01587	2-1/8" x 2"	2"	1

MUELLER STREAMLINE CO.

Adapters C x MPT



Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R55-274	W01107	1/4" x 1/8"	1/8"	100
R53-717	W01106	1/4" x 1/4"	1/8" x 1/4"	50
R55-273	W01105	1/4" x 3/8"	1/8" x 3/8"	50
R53-718	W01113	3/8" x 1/2"	1/4" x 1/2"	50
R55-276	W01115	3/8" x 1/4"	1/4" x 1/4"	50
R55-275	W01114	3/8" x 3/8"	1/4" x 3/8"	50
R55-279	W01126	1/2" x 1/4"	3/8" x 1/4"	50
R53-719	W01125	1/2" x 3/8"	3/8" x 3/8"	50
R55-278	W01124	1/2" x 1/2"	3/8" x 1/2"	50
R55-277	W01123	1/2" x 3/4"	3/8" x 3/4"	25
R55-281	W01133	5/8" x 1/4"	1/2" x 1/4"	25
R53-721	W01132	5/8" x 3/8"	1/2" x 3/8"	50
R53-720	W01131	5/8" x 1/2"	1/2" x 1/2"	50
R54-065	W01130	5/8" x 3/4"	1/2" x 3/4"	25
R55-280	W01129	5/8" x 1"	1/2" x 1"	15
R53-722	W01139	3/4" x 1/2"	5/8" x 1/2"	25
R55-282	W01147	7/8" x 1/2"	3/4" x 1/2"	25
R53-723	W01146	7/8" x 3/4"	3/4" x 3/4"	25
R54-698	W01145	7/8" x 1"	3/4" x 1"	10
R53-725	W01164	1-1/8" x 3/4"	1" x 3/4"	10
R53-724	W01163	1-1/8" x 1"	1" x 1"	10

Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R55-284	W01162	1-1/8" x 1-1/4"	1" x 1-1/4"	10
R55-283	W01161	1-1/8" x 1-1/2"	1" x 1-1/2"	10
R55-286	W01173	1-3/8" x 3/4"	1-1/4" x 3/4"	10
R53-726	W01172	1-3/8" x 1"	1-1/4" x 1"	10
R54-066	W01171	1-3/8" x 1-1/4"	1-1/4" x 1-1/4"	10
R55-285	W01170	1-3/8" x 1-1/2"	1-1/4" x 1-1/2"	10
R55-289	W01181	1-5/8" x 1"	1-1/2" x 1"	10
R55-288	W01180	1-5/8" x 1-1/4"	1-1/2" x 1-1/4"	10
R53-973	W01179	1-5/8" x 1-1/2"	1-1/2" x 1-1/2"	10
R55-287	W01178	1-5/8" x 2"	1-1/2" x 2"	1
R55-291	W01189	2-1/8" x 1-1/4"	2" x 1-1/4"	1
R55-290	W01188	2-1/8" x 1-1/2"	2" x 1" 1/2"	1
R53-974	W01187	2-1/8" x 2"	2" x 2"	5
R55-293	W01197	2-5/8" x 2"	2-1/2" x 2"	1
R55-292	W01196	2-5/8" x 2-1/2"	2-1/2" x 2-1/2"	1
R55-295	W01199	3-1/8" x 3"	3"	1

MUELLER STREAMLINE CO.

Tees C x C x C



Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R53-310	W40302	3/16"	—	50
R53-311	W40306	1/4"	1/8"	100
R53-312	W40313	5/16"	—	50
R53-313	W04000	3/8"	1/4"	50
R53-314	W04001	1/2"	3/8"	50
R53-706	W04006	5/8"	1/2"	50
R53-309	W04017	3/4"	5/8"	25
R53-607	W04031	7/8"	3/4"	25

Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R53-702	W04048	1-1/8"	1"	10
R53-703	W04068	1-3/8"	1-1/4"	5
R53-924	W04084	1-5/8"	1-1/2"	5
R53-925	W40102	2-1/8"	2"	5
R54-399	W40123	2-5/8"	2-1/2"	2
R54-400	W40152	3-1/8"	3"	2
R55-477	W40190	3-5/8"	3-1/2"	1
R55-481	W40200	4-1/8"	4"	1

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Reducing Tees C x C x C

MUELLER STREAMLINE CO.



Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R55-496	W40330	3/8" x 1/4" x 3/8"	1/4" x 1/8" x 1/4"	50
R56-023	W40308	1/4" X 1/4" X 3/16"	1/8" X 1/8" X 1/16"	50
R55-504	W40368	1/4" x 1/4" x 3/8"	1/8" x 1/8" x 1/4"	50
R55-411	W04016	3/8" x 3/8" x 5/8"	1/4" x 1/4" x 1/2"	50
R55-497	W40332	3/8" x 1/4" x 1/4"	1/4" x 1/8" x 1/8"	50
R55-495	W40324	3/8" x 3/8" x 1/4"	1/4" x 1/4" x 1/8"	50
R55-402	W04005	3/8" x 3/8" x 1/2"	1/4" x 1/4" x 3/8"	50
R55-408	W04013	5/8" x 3/8" x 3/8"	1/2" x 1/4" x 1/4"	50
R55-500	W40363	1/2" x 1/4" x 1/2"	3/8" x 1/8" x 3/8"	50
R55-401	W04004	1/2" x 3/8" x 3/8"	3/8" x 1/4" x 1/4"	50
R55-400	W04003	1/2" x 3/8" x 1/2"	3/8" x 1/4" x 3/8"	50
R55-409	W04014	5/8" x 5/8" x 1/4"	1/2" x 1/2" x 1/8"	50
R55-498	W40350	1/2" x 1/2" x 1/4"	3/8" x 3/8" x 1/8"	50
R55-399	W04002	1/2" x 1/2" x 3/8"	3/8" x 3/8" x 1/4"	50
R55-410	W04015	1/2" x 1/2" x 5/8"	3/8" x 3/8" x 1/2"	50
R53-926	W04007	5/8" x 5/8" x 1/2"	1/2" x 1/2" x 3/8"	50
R55-404	W04009	5/8" x 1/2" x 5/8"	1/2" x 3/8" x 1/2"	50
R55-405	W04010	5/8" x 1/2" x 1/2"	1/2" x 3/8" x 3/8"	50
R55-406	W04011	5/8" x 1/2" x 3/8"	1/2" x 3/8" x 1/4"	50
R55-407	W04012	5/8" x 3/8" x 5/8"	1/2" x 1/4" x 1/2"	50
R55-403	W04008	5/8" x 5/8" x 3/8"	1/2" x 1/2" x 1/4"	50
R55-415	W04021	3/4" x 5/8" x 3/4"	5/8" x 1/2" x 5/8"	25
R55-414	W04020	3/4" x 3/4" x 3/8"	5/8" x 5/8" x 1/4"	25
R55-413	W04019	3/4" x 3/4" x 1/2"	5/8" x 5/8" x 3/8"	25
R55-430	W04046	3/4" x 3/4" x 7/8"	5/8" x 5/8" x 3/4"	25
R55-482	W40230	7/8" x 1/2" x 7/8"	3/4" x 3/8" x 3/4"	25
R53-927	W04033	7/8" x 7/8" x 5/8"	3/4" x 3/4" x 1/2"	25
R55-429	W04045	7/8" x 5/8" x 3/8"	3/4" x 1/2" x 1/4"	25
R55-428	W04044	7/8" x 5/8" x 1/2"	3/4" x 1/2" x 3/8"	25
R53-928	W04041	7/8" x 5/8" x 7/8"	3/4" x 1/2" x 3/4"	25

Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R53-929	W04043	7/8" x 5/8" x 5/8"	3/4" x 1/2" x 1/2"	25
R55-425	W04036	7/8" x 3/4" x 7/8"	3/4" x 5/8" x 3/4"	25
R55-424	W04035	7/8" x 7/8" x 3/8"	3/4" x 3/4" x 1/4"	25
R55-423	W04034	7/8" x 7/8" x 1/2"	3/4" x 3/4" x 3/8"	25
R55-440	W04065	7/8" x 7/8" x 1-1/8"	3/4" x 3/4" x 1"	10
R53-930	W04051	1-1/8" x 1-1/8" x 5/8"	1" x 1" x 1/2"	10
R53-931	W04049	1-1/8" x 1-1/8" x 7/8"	1" x 1" x 3/4"	10
R55-433	W04056	1-1/8" x 7/8" x 7/8"	1" x 3/4" x 3/4"	10
R55-451	W04082	1-1/8" x 1-1/8" x 1-3/8"	1" x 1" x 1-1/4"	5
R53-932	W04069	1-3/8" x 1-3/8" x 1-1/8"	1-1/4" x 1-1/4" x 1"	5
R53-933	W04070	1-3/8" x 1-3/8" x 7/8"	1-1/4" x 1-1/4" x 3/4"	5
R55-442	W04071	1-3/8" x 1-3/8" x 5/8"	1-1/4" x 1-1/4" x 1/2"	5
R55-452	W04083	1-3/8" x 5/8" x 1-3/8"	1-1/4" x 1/2" x 1-1/4"	5
R55-450	W04081	1-3/8" x 7/8" x 5/8"	1-1/4" x 3/4" x 1/2"	5
R55-449	W04080	1-3/8" x 7/8" x 7/8"	1-1/4" x 3/4" x 3/4"	5
R55-447	W04078	1-3/8" x 7/8" x 1-3/8"	1-1/4" x 3/4" x 1-1/4"	5
R55-445	W04075	1-3/8" x 1-1/8" x 7/8"	1-1/4" x 1" x 3/4"	5
R55-444	W04074	1-3/8" x 1-1/8" x 1-1/8"	1-1/4" x 1" x 1"	5
R53-935	W04086	1-5/8" x 1-5/8" x 1-1/8"	1-1/2" x 1-1/2" x 1"	5
R53-936	W04087	1-5/8" x 1-5/8" x 7/8"	1-1/2" x 1-1/2" x 3/4"	5
R55-461	W04099	1-5/8" x 7/8" x 1-5/8"	1-1/2" x 3/4" x 1-1/2"	5
R55-455	W04092	1-5/8" x 1-3/8" x 1-1/8"	1-1/2" x 1-1/4" x 1"	5
R55-454	W04091	1-5/8" x 1-3/8" x 1-3/8"	1-1/2" x 1-1/4" x 1-1/4"	5
R55-494	W40247	2-1/8" x 1-1/8" x 1-1/8"	2" x 1" x 1"	5
R55-493	W40245	2-1/8" x 1-1/8" x 2-1/8"	2" x 1" x 2"	5
R53-938	W40104	2-1/8" x 2-1/8" x 1-3/8"	2" x 2" x 1-1/4"	5
R53-937	W40103	2-1/8" x 2-1/8" x 1-5/8"	2" x 2" x 1-1/2"	5
R55-521	W40125	2-5/8" x 2-5/8" x 1-5/8"	2-1/2" x 2-1/2" x 1-1/2"	2
R55-525	W40151	3-1/8" x 3-1/8" x 2-5/8"	3" x 3" x 2-1/2"	2

Caps

MUELLER STREAMLINE CO.



Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R55-467	W07002	1/4"	1/8"	50
R53-975	W07004	3/8"	1/4"	50
R53-939	W07006	1/2"	3/8"	50
R53-940	W07007	5/8"	1/2"	100
R53-976	W07008	3/4"	5/8"	50
R53-941	W07009	7/8"	3/4"	50
R53-942	W07011	1-1/8"	1"	50

Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R53-943	W07012	1-3/8"	1-1/4"	25
R53-977	W07013	1-5/8"	1-1/2"	25
R53-978	W07014	2-1/8"	2"	1
R54-401	W07015	2-5/8"	2-1/2"	1
R54-402	W07016	3-1/8"	3"	1
R55-468	W07017	3-5/8"	3-1/2"	1
R55-469	W07018	4-1/8"	4"	1

Tube Straps

MUELLER STREAMLINE CO.



Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R55-250	A01278	3/8"	1/4"	100
R53-958	A01366	1/2"	3/8"	100
R53-959	A02529	5/8"	1/2"	100
R55-251	A01467	3/4"	5/8"	100
R53-960	A02574	7/8"	3/4"	50

Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R53-961	A02614	1-1/8"	1"	50
R53-962	A02650	1-3/8"	1-1/4"	50
R53-979	A02675	1-5/8"	1-1/2"	50
R53-980	A02708	2-1/8"	2"	50

MUELLER STREAMLINE CO.

XHP CO2 Copper-Iron Fittings

- For use in high-pressure refrigeration applications
- Max operating temperature of 120°C / 250°F
- Continuous operating pressure 1885 PSI


A


B


C

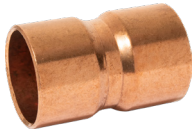

D


E


F


G


H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J


K

Fig.	Order #	Mfg. #	O.D.	Description	Pkg. Qty.
A	**R59-617**	X03312	3/8"	45° Street Elbow C x FTG	5
A	**R59-618**	X03321	1/2"	45° Street Elbow C x FTG	5
A	**R59-619**	X03326	5/8"	45° Street Elbow C x FTG	5
A	**R59-620**	X03330	3/4"	45° Street Elbow C x FTG	5
A	**R59-621**	X03334	7/8"	45° Street Elbow C x FTG	5
A	**R59-622**	X03344	1-1/8"	45° Street Elbow C x FTG	5
A	**R59-623**	X03350	1-3/8"	45° Street Elbow C x FTG	1
A	**R59-624**	X03355	1-5/8"	45° Street Elbow C x FTG	1
A	**R59-625**	X03359	2-1/8"	45° Street Elbow C x FTG	1
B	**R59-626**	X03012	3/8"	45° Elbow C x C	5
B	**R59-627**	X03021	1/2"	45° Elbow C x C	5
B	**R59-628**	X03026	5/8"	45° Elbow C x C	5
B	**R59-629**	X03030	3/4"	45° Elbow C x C	5
B	**R59-630**	X03034	7/8"	45° Elbow C x C	5
B	**R59-631**	X03044	1-1/8"	45° Elbow C x C	5
B	**R59-632**	X03050	1-3/8"	45° Elbow C x C	1
B	**R59-633**	X03055	1-5/8"	45° Elbow C x C	1
B	**R59-634**	X03059	2-1/8"	45° Elbow C x C	1
C	**R59-635**	X02809	3/ 8"	90° Street Elbow C x FTG	5
C	**R59-636**	X02817	1/2"	90° Street Elbow C x FTG	5
C	**R59-637**	X02822	5/8"	90° Street Elbow C x FTG	5
C	**R59-638**	X02828	3/4"	90° Street Elbow C x FTG	5
C	**R59-639**	X02834	7/8"	90° Street Elbow C x FTG	5
C	**R59-640**	X02847	1-1/8"	90° Street Elbow C x FTG	5
C	**R59-641**	X02350	1-3/8"	90° Street Elbow C x FTG	1
C	**R59-642**	X02355	1-5/8"	90° Street Elbow C x FTG	1
C	**R59-643**	X02359	2-1/8"	90° Street Elbow C x FTG	1
C	**R59-644**	X02363	2-5/8"	90° Street Elbow C x FTG	1
D	**R59-645**	X02716	3/8"	90° Elbow C x C	5
D	**R59-646**	X02717	1/2"	90° Elbow C x C	5
D	**R59-647**	X02722	5/8"	90° Elbow C x C	5
D	**R59-648**	X02728	3/4"	90° Elbow C x C	5
D	**R59-649**	X02734	7/8"	90° Elbow C x C	5
D	**R59-650**	X02747	1-1/8"	90° Elbow C x C	5
D	**R59-651**	X02055	1-3/8"	90° Elbow C x C	1
D	**R59-652**	X02063	1-5/8"	90° Elbow C x C	1
D	**R59-653**	X02072	2-1/8"	90° Elbow C x C	1
D	**R59-654**	X02082	2-5/8"	90° Elbow C x C	1
E	**R59-655**	X04000	3/8"	Tee C x C x C	5
E	**R59-656**	X04001	1/2"	Tee C x C x C	5
E	**R59-657**	X04006	5/8"	Tee C x C x C	5
E	**R59-658**	X04017	3/4"	Tee C x C x C	5
E	**R59-659**	X04031	7/8"	Tee C x C x C	5
E	**R59-660**	X04048	1-1/8"	Tee C x C x C	5

Fig.	Order #	Mfg. #	O.D.	Description	Pkg. Qty.
E	**R59-661**	X04068	1-3/8"	Tee C x C x C	1
E	**R59-662**	X04084	1-5/8"	Tee C x C x C	1
E	**R59-663**	X40102	2-1/8"	Tee C x C x C	1
E	**R59-664**	X40123	2-5/8"	Tee C x C x C	1
F	**R59-665**	X04004	1/2" x 3/8" x 3/8"	Reducing Tee C x C x C	5
F	**R59-666**	X04002	1/2" x 1/2" x 3/8"	Reducing Tee C x C x C	5
F	**R59-667**	X04010	5/8" x 1/2" x 1/2"	Reducing Tee C x C x C	5
F	**R59-668**	X04008	5/8" x 5/8" x 3/8"	Reducing Tee C x C x C	5
F	**R59-669**	X04007	5/8" x 5/8" x 1/2"	Reducing Tee C x C x C	5
F	**R59-670**	X04019	3/4" x 3/4" x 1/2"	Reducing Tee C x C x C	5
F	**R59-671**	X04018	3/4" x 3/4" x 5/8"	Reducing Tee C x C x C	5
F	**R59-672**	X04034	7/8" x 7/8" x 1/2"	Reducing Tee C x C x C	5
F	**R59-673**	X04033	7/8" x 7/8" x 5/8"	Reducing Tee C x C x C	5
F	**R59-674**	X04032	7/8" x 7/8" x 3/4"	Reducing Tee C x C x C	5
F	**R59-675**	X04059	1-1/8" x 7/8" x 1/2"	Reducing Tee C x C x C	5
F	**R59-676**	X04050	1-1/8" x 1-1/8" x 3/4"	Reducing Tee C x C x C	5
F	**R59-677**	X04049	1-1/8" x 1-1/8" x 7/8"	Reducing Tee C x C x C	5
F	**R59-678**	X14071	1-3/8" x 1-3/8" x 3/4"	Reducing Tee C x C x C	1
F	**R59-679**	X04070	1-3/8" x 1-3/8" x 7/8"	Reducing Tee C x C x C	1
F	**R59-680**	X04069	1-3/8" x 1-3/8" x 1-1/8"	Reducing Tee C x C x C	1
F	**R59-681**	X14088	1-5/8" x 1-5/8" x 3/4"	Reducing Tee C x C x C	1
F	**R59-682**	X04086	1-5/8" x 1-5/8" x 1-1/8"	Reducing Tee C x C x C	1
F	**R59-683**	X04085	1-5/8" x 1-5/8" x 1-3/8"	Reducing Tee C x C x C	1
F	**R59-684**	X40103	2-1/8" x 2-1/8" x 1-5/8"	Reducing Tee C x C x C	1
G	**R59-685**	X01019	1/2" x 3/8"	Coupling C x C	5
G	**R59-686**	X01023	5/8" x 1/2"	Coupling C x C	5
G	**R59-687**	X01029	3/4" x 5/8"	Coupling C x C	5
G	**R59-688**	X01035	7/8" x 3/4"	Coupling C x C	5
G	**R59-689**	X01052	1-1/8" x 1/2"	Coupling C x C	5
G	**R59-690**	X01049	1-1/8" x 7/8"	Coupling C x C	5
G	**R59-691**	X01061	1-3/8" x 1/2"	Coupling C x C	1
G	**R59-692**	X01060	1-3/8" x 5/8"	Coupling C x C	1
G	**R59-693**	X01059	1-3/8" x 3/4"	Coupling C x C	1
G	**R59-694**	X01058	1-3/8" x 7/8"	Coupling C x C	1
G	**R59-695**	X01056	1-3/8" x 1-1/8"	Coupling C x C	1
G	**R59-696**	X01068	1-5/8" x 3/4"	Coupling C x C	1
G	**R59-697**	X01067	1-5/8" x 7/8"	Coupling C x C	1
G	**R59-698**	X01065	1-5/8" x 1-1/8"	Coupling C x C	1
G	**R59-699**	X01064	1-5/8" x 1-3/8"	Coupling C x C	1
G	**R59-700**	X01074	2-1/8" x 1-3/8"	Coupling C x C	1
G	**R59-701**	X01073	2-1/8 x 1-5/8"	Coupling C x C	1
H	**R59-702**	X01312	1/2" x 3/8"	Reducer FTG x C	5

continued on next page

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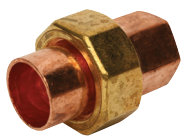
Fig.	Order #	Mfg. #	O.D.	Description	Pkg. Qty.
H	**R59-703**	X21313	1/2" x 12 mm	Reducer FTG x C	5
H	**R59-704**	X01317	5/8" x 3/8"	Reducer FTG x C	5
H	**R59-705**	X01315	5/8" x 1/2"	Reducer FTG x C	5
H	**R59-706**	X01322	3/4" x 3/8"	Reducer FTG x C	5
H	**R59-707**	X01321	3/4" x 1/2"	Reducer FTG x C	5
H	**R59-708**	X01320	3/4" x 5/8"	Reducer FTG x C	5
H	**R59-709**	X11328	7/8" x 3/8"	Reducer FTG x C	5
H	**R59-710**	X01327	7/8" x 1/2"	Reducer FTG x C	5
H	**R59-711**	X01326	7/8" x 5/8"	Reducer FTG x C	5
H	**R59-712**	X01325	7/8" x 3/4"	Reducer FTG x C	5
H	**R59-713**	X21326	7/8" x 22 mm	Reducer FTG x C	5
H	**R59-714**	X01340	1-1/8" x 1/2"	Reducer FTG x C	5
H	**R59-715**	X01399	1-1/8" x 5/8"	Reducer FTG x C	5
H	**R59-716**	X01338	1-1/8" x 3/4"	Reducer FTG x C	5
H	**R59-717**	X01337	1-1/8" x 7/8"	Reducer FTG x C	5
H	**R59-718**	X21338	1-1/8" x 28 mm	Reducer FTG x C	5
H	**R59-719**	X01343	1-3/8" x 1-1/8"	Reducer FTG x C	1
H	**R59-720**	X21344	1-3/8" x 35 mm	Reducer FTG x C	1
H	**R59-721**	X01353	1-5/8" x 7/8"	Reducer FTG x C	1
H	**R59-722**	X01350	1-5/8" x 1-3/8"	Reducer FTG x C	1
H	**R59-723**	X21349	1-5/8" x 42 mm	Reducer FTG x C	1
H	**R59-725**	X01360	2-1/8" x 1-1/8"	Reducer FTG x C	1
H	**R59-726**	X01358	2-1/8" x 1-5/8"	Reducer FTG x C	1
H	**R59-727**	X01367	2-5/8" x 2-1/8"	Reducer FTG x C	1

Fig.	Order #	Mfg. #	O.D.	Description	Pkg. Qty.
I	**R59-728**	X10143	3/8"	Coupling with Stop	5
I	**R59-729**	X10144	1/2"	Coupling with Stop	5
I	**R59-730**	X10145	5/8"	Coupling with Stop	5
I	**R59-731**	X10157	3/4"	Coupling with Stop	5
I	**R59-732**	X10146	7/8"	Coupling with Stop	5
I	**R59-733**	X10147	1-1/8"	Coupling with Stop	5
I	**R59-734**	X10148	1-3/8"	Coupling with Stop	1
I	**R59-735**	X10149	1-5/8"	Coupling with Stop	1
I	**R59-736**	X10150	2-1/8"	Coupling with Stop	1
I	**R59-737**	X10151	2-5/8"	Coupling with Stop	1
J	**R59-738**	X07004	3/8"	Cap	5
J	**R59-739**	X07006	1/2"	Cap	5
J	**R59-740**	X07007	5/8"	Cap	5
J	**R59-741**	X07008	3/4"	Cap	5
J	**R59-742**	X07009	7/8"	Cap	5
J	**R59-743**	X07011	1-1/8"	Cap	5
J	**R59-744**	X07012	1-3/8"	Cap	1
J	**R59-745**	X07013	1-5/8"	Cap	1
J	**R59-746**	X07014	2-1/8"	Cap	1
K	**R59-747**	X11034	7/8"	Steel Coupling CTS x IPS (BW)	1
K	**R59-748**	X11047	1-1/8" x 1-1/4"	Steel Coupling CTS x IPS (BW)	1
K	**R59-749**	X11055	1-3/8" x 1-1/2"	Steel Coupling CTS x IPS (BW)	1
K	**R59-750**	X11063	1-5/8" x 2"	Steel Coupling CTS x IPS (BW)	1
K	**R59-751**	X11072	2-1/8" x 2"	Steel Coupling CTS x IPS (BW)	1

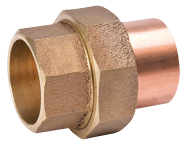
Unions

MUELLER STREAMLINE CO.

- Fig. A products are copper
- Fig. B & C products are copper and lead free cast brass



A



B



C

Fig.	Order #	Mfg. #	O.D.	Nom. Size	Description	Pkg. Qty.
A	**R54-068**	W08003	5/8"	1/2"	C x C	25
A	**R54-069**	W08004	7/8"	3/4"	C x C	25
A	**R54-430**	W08005	1-1/8"	1"	C x C	10
B	**R57-237**	A11205NL	1-3/8"	1-1/4"	C x C	25
B	**R57-238**	A11206NL	1-5/8"	1-1/2"	C x C	25
B	**R57-239**	A11207NL	2-1/8"	2"	C x C	25
C	**R57-240**	A11210NL	—	1/2"	C x M	25
C	**R57-241**	A11211NL	—	3/4"	C x M	10

Cast Brass Flush Bushings FTG x FPT

MUELLER STREAMLINE CO.



Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R54-983	A07812	5/8" x 1/8"	1/2" x 1/8"	100

Order #	Mfg. #	O.D.	Nom. Size	Pkg. Qty.
R54-984	A07813	5/8" x 3/8"	1/2" x 1/4"	50

90° Cast Brass Elbows

MUELLER STREAMLINE CO.

- Lead free



A



B

Fig.	Order #	Mfg. #	Nom. Size	Description	Pkg. Qty.
A	**R57-242**	A01507NL	1/2"	C x F	50
A	**R57-243**	A01532NL	3/4"	C x F	25
A	**R57-244**	A01559NL	1"	C x F	10
B	**R57-245**	A01506NL	1/2"	C x M	50
B	**R57-246**	A01531NL	3/4"	C x M	25

MUELLER STREAMLINE CO.

90° Cast Brass Drop Ear Elbows



- Lead free

Order #	Mfg. #	Nom. Size	Description	Pkg. Qty.
R57-248	A02508NL	1/2"	C x C	50
R57-247	A01508NL	1/2"	C x F	25

MUELLER STREAMLINE CO.

Cast Brass Tees



A



B

- Lead free

Fig.	Order #	Mfg. #	Nom. Size	Description	Pkg. Qty.
A	**R57-249**	A01512NL	1/2"	C x C x F	25
A	**R57-250**	A01538NL	3/4"	C x C x F	10
A	**R57-251**	A02517NL	1/2"x 1/2" x 3/4"	C x C x F	25
A	**R57-252**	A01539NL	3/4" x 3/4" x 1/2"	C x C x F	25
A	**R57-443**	A01570NL	1" x 1" x 1/2"	C x C x F	10
A	**R57-253**	A01572NL	1" x 1" x 3/4"	C x C x F	10
A	**R57-444**	A01613NL	1-1/4" x 1-1/4" x 1/2 "	C x C x F	10
A	**R57-254**	A02654NL	1-1/4" x 1-1/4" x 3/4 "	C x C x F	10
B	**R57-255**	A02516NL	1/2"	C x F x C	25
B	**R57-256**	A02587NL	3/4" x 1/2" x 3/4"	C x F x C	25

MUELLER STREAMLINE CO.

Cast Brass Baseboard Tees



- Lead free

Order #	Mfg. #	Nom. Size	Description	Pkg. Qty.
R57-257	A07750NL	1/2" x 1/8" x 1/2"	C x F x C	50
R57-258	A07751NL	3/4" x 1/8" x 3/4"	C x F x C	25
R57-259	A07754NL	1" x 1/8" x 1"	C x F x C	10

Parker ZoomLock MAX

ZOOMLOCK® MAX Press Tool

- Rothenberger 32 kN press tool
- ZoomLock MAX 32 kN jaws are compatible with multiple press tools
- Includes 2 batteries and charger

Warning: This product contains lithium batteries and cannot be shipped by air





Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Each
H86-168	MZK-TK-R4000	32 kN Press Tool	**5945.00**
H28-753	MZK-32KN-J22	Jaw 32 kN 1-3/8"	**729.00**

Parker ZoomLock MAX

ZOOMLOCK® MAX Jaw Kits

- Specially designed Rothenberger jaws are approved for use with ZoomLock MAX fittings
- Choose from three kN (kilonewtons) versions
- Jaws are laser hardened
- Includes 1/4”, 3/8”, 1/2”, 5/8”, 3/4”, 7/8” and 1-1/8” jaws
- Guaranteed for Life



Order #	Mfg. #	Description	Each
H86-139	MZK-32KN	JAW 32KN Kit 7 pc.	**3845.00**
H86-140	MZK-24KN	JAW 24KN Kit 7 pc.	**3845.00**
H86-141	MZK-19KN	JAW 19KN Kit 7 pc.	**3845.00**

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ZoomLock MAX - COMPATIBLE PRESS TOOLS

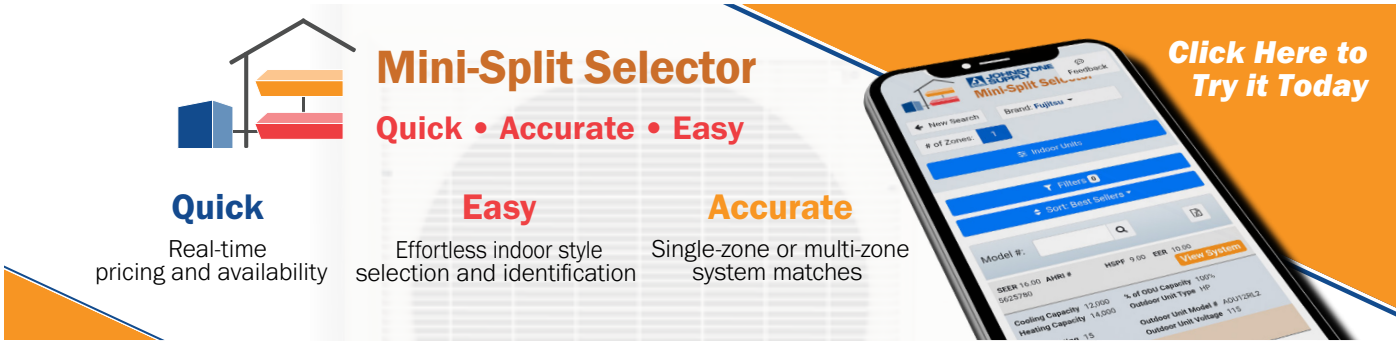
Brand	Tool Model	H86-141 MZK-19KN JAW KIT	H86-140 MZK-24KN JAW KIT	H86-139 MZK-32KN JAW KIT
ROTHENBERGER	ROMAX 3000	-	-	X
	ROMAX 3000 AC	-	-	X
	ROMAX 4000	-	-	X
	ROMAX AC ECO	-	-	X
	Twin Turbo US (TT US)	-	X	-
	ROMAX Compact TT	X	-	-
	ROMAX Compact	X	-	-
DEWALT	DCE200	-	-	X
KLAUKE	UAP2/UNP2	-	-	X
	UAP3L/UAP4L	-	-	X
	UP2EL14	-	-	X
	MAP2L19	X	-	-
	MAP219	X	-	-
MILWAUKEE	H28-530 (M12 Force Logic)	-	X	-
	H86-132 (M18 Force Logic)	-	-	X
HILTI	NPR 019	X	-	-
NIBCO	PC-100	-	-	X
	PC-280	-	-	X
REMS	Power-Press	-	-	X
	Akku-Press	-	-	X
RIDGID	320-E	-	-	X
	CT400	-	-	X
	H86-049, H86-050, H86-051, H86-052 (RP 241)	-	X	-
	H86-053, H86-054, H86-055, H86-056 (RP 240)	-	X	-
	RP 210-B	-	X	-
	RP 200-B	-	X	-
	RP 330-B	-	-	X
	RP 330-C	-	-	X
	RP 340	-	-	X
VIRAX	Viper P25+	-	-	X
PARKER	H86-044 (PZK-TK190)	X	-	-
	H86-045 (PZK-TK195)	X	-	-

ZOOMLOCK® MAX Press-to-Connect Refrigerant Fittings Installation Kit

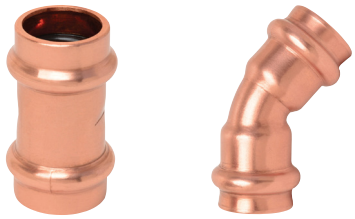
- 3-piece kit includes depth gauge, permanent marker and general-purpose hand pad



Order #	Mfg. #	Each
R58-912	MZK-IK	**47.99**



Parker ZoomLock MAX



ZoomLock® MAX Press-to-Connect Refrigerant Fittings

- Designed for the air conditioning and refrigeration markets
- Allows contractors to make secure leak-free connections in seconds
- Saves time and money
- For high pressure HVACR applications
- Max operating pressure 700 PSI
- Max burst pressure 2100 PSI
- Compatible with R-32, R-134a, R-404A, R-407C, R-407F, R-410A, R-507, R1234ze, R1234yf, R-718, R-450A, R-513A, R-448A, R-449A, R-407A, R-427A, R-438A, R-417A and R-422D
- 10-year warranty

Order #	Mfg. #	Description	Each
R58-913	MZK-C4-HNBR	1/4" Coupling	**11.49**
R58-914	MZK-C6-HNBR	3/8" Coupling	**17.49**
R58-915	MZK-C8-HNBR	1/2" Coupling	**21.49**
R58-916	MZK-C10-HNBR	5/8" Coupling	**27.49**
R58-917	MZK-C12-HNBR	3/4" Coupling	**32.99**
R58-918	MZK-C14-HNBR	7/8" Coupling	**45.99**
R58-919	MZK-C18-HNBR	1-1/8" Coupling	**55.00**
R59-042	MZK-C22-HNBR	1-3/8" Coupling	**69.00**
R58-920	MZK-RC4-HNBR	1/4" Slip Coupling	**27.99**
R58-921	MZK-RC6-HNBR	3/8" Slip Coupling	**24.99**
R58-922	MZK-RC8-HNBR	1/2" Slip Coupling	**28.49**
R58-923	MZK-RC10-HNBR	5/8" Slip Coupling	**32.99**
R58-924	MZK-RC12-HNBR	3/4" Slip Coupling	**41.49**
R58-925	MZK-RC14-HNBR	7/8" Slip Coupling	**44.99**
R58-926	MZK-RC18-HNBR	1-1/8" Slip Coupling	**55.00**
R58-927	MZK-90E4-HNBR	1/4" Elbow	**23.99**
R58-928	MZK-90E6-HNBR	3/8" Elbow	**34.49**
R58-929	MZK-90E8-HNBR	1/2" Elbow	**38.49**
R58-930	MZK-90E10-HNBR	5/8" Elbow	**39.49**
R58-931	MZK-90E12-HNBR	3/4" Elbow	**55.00**
R58-932	MZK-90E14-HNBR	7/8" Elbow	**48.99**
R58-933	MZK-90E18-HNBR	1-1/8" Elbow	**65.00**
R59-040	MZK-90E22-HNBR	1-3/8" Elbow 90°	**85.00**
R58-934	MZK-T4-HNBR	1/4" Tee	**48.99**
R58-935	MZK-T6-HNBR	3/8" Tee	**55.00**
R58-936	MZK-T8-HNBR	1/2" Tee	**59.00**
R58-937	MZK-T10-HNBR	5/8" Tee	**65.00**
R58-938	MZK-T12-HNBR	3/4" Tee	**69.00**
R58-939	MZK-T14-HNBR	7/8" Tee	**79.00**
R58-940	MZK-T18-HNBR	1-1/8" Tee	**105.00**
R58-941	MZK-R64-HNBR	3/8" X 1/4" Reducer	**31.49**
R58-942	MZK-R86-HNBR	1/2" X 3/8" Reducer	**34.49**
R58-943	MZK-R108-HNBR	5/8" X 1/2" Reducer	**37.49**
R58-944	MZK-R1210-HNBR	3/4" X 5/8" Reducer	**43.99**
R58-945	MZK-R1410-HNBR	7/8" X 5/8" Reducer	**59.00**
R58-946	MZK-R1412-HNBR	7/8" X 3/4" Reducer	**59.00**
R58-947	MZK-R1812-HNBR	1-1/8" X 3/4" Reducer	**65.00**
R58-948	MZK-R1814-HNBR	1-1/8" X 7/8" Reducer	**75.00**
R58-949	MZK-R84-HNBR	1/2" X 1/4" Reducer	**32.49**
R58-950	MZK-R104-HNBR	5/8" X 1/4" Reducer	**33.49**
R58-951	MZK-R106-HNBR	5/8" X 3/8" Reducer	**34.99**

Order #	Mfg. #	Description	Each
R58-952	MZK-R128-HNBR	3/4" X 1/2" Reducer	**36.99**
R58-953	MZK-R148-HNBR	7/8" X 1/2" Reducer	**40.49**
R58-954	MZK-R1810-HNBR	1-1/8" X 5/8" Reducer	**65.00**
R59-045	MZK-R2214-HNBR	1-3/8" x 7/8" Reducer	**85.00**
R59-046	MZK-R2218-HNBR	1-3/8" x 1-1/8" Reducer	**89.00**
R58-955	MZK-CP4-HNBR	1/4" Cap	**13.49**
R58-956	MZK-CP6-HNBR	3/8" Cap	**19.99**
R58-957	MZK-CP8-HNBR	1/2" Cap	**23.49**
R58-958	MZK-CP10-HNBR	5/8" Cap	**25.99**
R58-959	MZK-CP12-HNBR	3/4" Cap	**29.99**
R58-960	MZK-CP14-HNBR	7/8" Cap	**32.99**
R58-961	MZK-CP18-HNBR	1-1/8" Cap	**36.99**
R59-043	MZK-CP22-HNBR	1-3/8" Cap	**45.99**
R58-962	MZK-F4-HNBR	1/4" SAE Flare	**22.49**
R58-963	MZK-F6-HNBR	3/8" SAE Flare	**27.99**
R58-964	MZK-F8-HNBR	1/2" SAE Flare	**34.49**
R58-965	MZK-F10-HNBR	5/8" SAE Flare	**38.49**
R58-966	MZK-F12-HNBR	3/4" SAE Flare	**55.00**
R58-967	MZK-90SE6-HNBR	3/8" Street Elbow 90°	**49.99**
R58-968	MZK-90SE8-HNBR	1/2" Street Elbow 90°	**55.00**
R58-969	MZK-90SE10-HNBR	5/8" Street Elbow 90°	**59.00**
R58-970	MZK-90SE12-HNBR	3/4" Street Elbow 90°	**65.00**
R58-971	MZK-90SE14-HNBR	7/8" Street Elbow 90°	**75.00**
R58-972	MZK-90SE18-HNBR	1-1/8" Street Elbow 90°	**79.00**
R59-041	MZK-90SE22-HNBR	1-3/8" Street Elbow 90°	**99.00**
R58-973	MZK-45E4-HNBR	1/4" Elbow 45°	**41.49**
R58-974	MZK-45E6-HNBR	3/8" Elbow 45°	**45.99**
R58-975	MZK-45E8-HNBR	1/2" Elbow 45°	**55.00**
R58-976	MZK-45E10-HNBR	5/8" Elbow 45°	**59.00**
R58-977	MZK-45E12-HNBR	3/4" Elbow 45°	**65.00**
R58-978	MZK-45E14-HNBR	7/8" Elbow 45°	**75.00**
R58-979	MZK-45E18-HNBR	1-1/8" Elbow 45°	**89.00**
R59-039	MZK-45E22-HNBR	1-3/8" Elbow 45°	**109.00**
R59-044	MZK-PT22-NA	1-3/8" P-Trap	**105.00**
R59-047	MZK-90E8-LR-HNBR	1/2" Long Radius Elbow 90°	**39.49**
R59-048	MZK-90E10-LR-HNBR	5/8" Long Radius Elbow 90°	**40.99**
R59-049	MZK-90E12-LR-HNBR	3/4" Long Radius Elbow 90°	**55.00**
R59-050	MZK-90E14-LR-HNBR	7/8" Long Radius Elbow 90°	**55.00**
R59-051	MZK-90E18-LR-HNBR	1-1/8" Long Radius Elbow 90°	**69.00**
R59-052	MZK-90E22-LR-HNBR	1-3/8" Long Radius Elbow 90°	**85.00**

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ZOOMLOCK® PUSH Installation Parts and Accessories

- ZoomLock PUSH installation kit includes depth gauge, permanent marker and general-purpose hand pad
- Removal tools for 1/4" - 7/8" sizes of ZoomLock PUSH removable fittings

Order #	Mfg. #	Description	Each
R58-985	PZKP-IK	Installation Kit	55.00
R58-986	PZKPR-RT	Removal Tools	41.49

ZOOMLOCK® PUSH to Connect Removeable Refrigerant Fittings

- Successfully make clean, leak-free connections on HVAC/R systems in seconds, without the use of a brazing torch or press tool and jaw
- Eliminates brazing concerns with installation of traditional HVAC/R fittings
- Connect refrigerant lines in seconds
- No press tool or jaws needed
- Removeable and non-removeable versions available
- Compatible with R-134a and R-410a
- 5-year warranty



Order #	Mfg. #	Description	Each
R58-987	PZKPR-C4	1/4" Coupling	28.99
R58-988	PZKPR-C6	3/8" Coupling	34.99
R58-989	PZKPR-C8	1/2" Coupling	35.99
R58-990	PZKPR-C10	5/8" Coupling	38.99
R58-991	PZKPR-C12	3/4" Coupling	59.00
R58-992	PZKPR-C14	7/8" Coupling	65.00
R58-993	PZKPR-F4	1/4" SAE Flare	26.49
R58-994	PZKPR-F6	3/8" SAE Flare	27.99

Order #	Mfg. #	Description	Each
R58-995	PZKPR-F8	1/2" SAE Flare	33.49
R58-996	PZKPR-F10	5/8" SAE Flare	36.49
R58-997	PZKPR-90E4	1/4" Elbow 90°	35.49
R58-998	PZKPR-90E6	3/8" Elbow 90°	41.99
R58-999	PZKPR-90E8	1/2" Elbow 90°	43.49
R59-001	PZKPR-90E10	5/8" Elbow 90°	47.49
R59-002	PZKPR-90E12	3/4" Elbow 90°	75.00
R59-003	PZKPR-90E14	7/8" Elbow 90°	79.00

ZOOMLOCK® PUSH to Connect Non-Removeable Refrigerant Fittings

- Successfully make clean, leak-free connections on HVAC/R systems in seconds, without the use of a brazing torch or press tool and jaw
- Eliminates brazing concerns with installation of traditional HVAC/R fittings
- Connect refrigerant lines in seconds
- Compatible with R-134a and R-410a
- 10-year warranty



Order #	Mfg. #	Description	Each
R59-004	PZKP-C4-HNBR	1/4" Coupling	28.99
R59-005	PZKP-C6-HNBR	3/8" Coupling	34.99
R59-006	PZKP-C8-HNBR	1/2" Coupling	35.99
R59-007	PZKP-C10-HNBR	5/8" Coupling	38.99
R59-008	PZKP-C12-HNBR	3/4" Coupling	59.00
R59-009	PZKP-C14-HNBR	7/8" Coupling	65.00
R59-010	PZKP-F4-HNBR	1/4" SAE Flare	26.49
R59-011	PZKP-F6-HNBR	3/8" SAE Flare	27.99

Order #	Mfg. #	Description	Each
R59-012	PZKP-F8-HNBR	1/2" SAE Flare	33.49
R59-013	PZKP-F10-HNBR	5/8" SAE Flare	36.49
R59-014	PZKP-90E4-HNBR	1/4" Elbow 90°	35.49
R59-015	PZKP-90E6-HNBR	3/8" Elbow 90°	41.99
R59-016	PZKP-90E8-HNBR	1/2" Elbow 90°	43.49
R59-017	PZKP-90E10-HNBR	5/8" Elbow 90°	47.49
R59-018	PZKP-90E12-HNBR	3/4" Elbow 90°	75.00
R59-019	PZKP-90E14-HNBR	7/8" Elbow 90°	79.00



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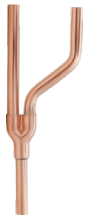
ZoomLock® MAX Braze-Free Fittings



- For high pressure HVACR applications
- Approved for R410A, R134a, R404A and R407A/C/F, R507, R290, R600A, R32, non-potable water and glycol
- Not approved for R22
- Max operating pressure 700 PSI
- Max burst pressure 3000 PSI

Order #	Mfg. #	Description	Each
R58-622	PZK-Y6-NA	Y Joint 3/8" ODM	**24.49**
R58-623	PZK-Y8-NA	Y Joint 1/2" ODM	**33.99**
R58-624	PZK-Y10-NA	Y Joint 5/8" ODM	**47.99**
R58-625	PZK-Y12-NA	Y Joint 3/4" ODM	**65.00**
R58-626	PZK-Y14-NA	Y Joint 7/8" ODM	**95.00**
R58-627	PZK-Y18-NA	Y Joint 1-1/8" ODM	**135.00**

Order #	Mfg. #	Description	Each
R58-628	PZK-PT8-NA	P Trap 1/2" ODM	**12.99**
R58-629	PZK-PT10-NA	P Trap 5/8" ODM	**17.49**
R58-630	PZK-PT12-NA	P Trap 3/4" ODM	**24.99**
R58-631	PZK-PT14-NA	P Trap 7/8" ODM	**39.49**
R58-632	PZK-PT18-NA	P Trap 1-1/8" ODM	**75.00**

ZOOMLOCK™ Braze-Free Connectors Ball Valves



- For use with high pressure HVAC/R applications
- Compatible with all existing refrigerants and blends, including R410A
- Max operating pressure 700 PSI
- Max burst pressure 3000 PSI
- Zoomlock fittings not included

Order #	Mfg. #	Conn. Size	Each
B20-529	EBVP-1023-PZK	Ball Valve 1/4" ODM	**105.00**
B20-530	EBVP-1033-PZK	Ball Valve 3/8" ODM	**105.00**
B20-531	EBVP-1043-PZK	Ball Valve 1/2" ODM	**105.00**
B20-532	EBVP-1053-PZK	Ball Valve 5/8" ODM	**115.00**

Order #	Mfg. #	Conn. Size	Each
B20-533	EBVP-1063-PZK	Ball Valve 3/4" ODM	**145.00**
B20-534	EBVP-1073-PZK	Ball Valve 7/8" ODM	**145.00**
B20-535	EBVP-1093-PZK	Ball Valve 1-1/8" ODM	**215.00**

ZOOMLOCK™ Braze-Free Connector Filter-Driers



- For high pressure HVACR applications
- Compatible with all existing refrigerants and blends, including R410A
- Liquid Line models Max operating pressure 700 PSI; Suction Line models rated 355 PSI
- Zoomlock fittings not included

Order #	Mfg. #	Conn. Size	Cubic Inches	R12/R134a Capacity	R22/R410A Capacity	R404A/R507 Capacity	Each
B21-080	LLD-083PZK	3/8" ODM Liquid Line Filter-Drier	8	3	5	3	**69.00**
B21-081	LLD-163PZK	3/8" ODM Liquid Line Filter-Drier	16	4	5	4	**89.00**
B21-082	LLD-164PZK	1/2" ODM Liquid Line Filter-Drier	16	5	7.5	5	**105.00**
B21-083	SLD-13-6PZK-V-HH	3/4" ODM Suction Line Filter-Drier	13	4.5	7.0	6.3	**185.00**
B21-084	SLD-13-7PZK-V-HH	7/8" ODM Suction Line Filter-Drier	13	4.5	7.0	6.3	**185.00**
B21-085	BF-083PZK	3/8" ODM Biflow Liquid Line Filter-Drier	8	3	4.6	3	**109.00**
B21-086	BF-163PZK	3/8" ODM Biflow Liquid Line Filter-Drier	16	3	4.6	3	**165.00**

ZOOMLOCK™ Braze-Free Sight Glass Moisture Indicator



- For high pressure HVACR applications
- Compatible with all existing refrigerants and blends, including R410A
- Max operating pressure 700 PSI
- Max burst pressure 3000 PSI
- Zoomlock fittings not included

Order #	Mfg. #	Conn. Size	Each
B21-087	PSG-3PZK	3/8" ODM	**85.00**

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RLS 19 kN Lithium-Ion Cordless Braze-Free Press Tools

- For high pressure HVAC/R applications
- Compact design and 350° jaw rotation
- Fits jaw sizes 1/4" thru 1-3/8"
- Tool service indicated via imbedded LEDs, illuminates at 10,000 cycles
- Interchangeable with original Zoomlock tools, jaws and Ridgid jaws only
- Kits contain a crimping tool, 2 rechargeable Lithium-ion batteries, battery charger, tubing cutter, tubing deburring tool, stainless steel brush, Scotch Brite cleaning pad, crimp gauge, depth insertion gauge and permanent marker

Warning: This product contains lithium batteries and cannot be shipped by air



Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Each
H86-044	399011190001	19 kN Tool Kit (Bare Tool Only)	**5445.00**
H86-045	399011190501	19 kN Tool Kit with 5 Jaws (3/8", 1/2", 5/8", 7/8", 1-1/8")	**8345.00**
H28-489	399021191040	19 kN Jaw 1/4"	**545.00**
H28-490	399021191050	19 kN Jaw 5/16"	**545.00**
H28-491	399021191060	19 kN Jaw 3/8"	**545.00**
H28-492	399021191080	19 kN Jaw 1/2"	**545.00**
H28-493	399021191100	19 kN Jaw 5/8"	**545.00**
H28-494	399021191120	19 kN Jaw 3/4"	**545.00**
H28-495	399021191140	19 kN Jaw 7/8"	**565.00**
H28-496	399021191180	19 kN Jaw 1-1/8"	**565.00**
H28-497	399021191220	19 kN Jaw 1-3/8"	**849.00**
H86-046	399031190801	19 kN 8-Piece Jaw Kit (1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1-1/8", 1-3/8")	**5199.00**
H86-047	399011000100	19 kN Jaw Case (9 Empty Slots)	**385.00**

RLS 15 kN Original Braze-Free Press Tool Jaws

- For use with the original 15 kN RLS and Zoomlock tools only
- For high pressure HVACR applications
- Fits jaw sizes 1/4" thru 1-1/8"
- Ridgid tool jaws fit Ridgid models RP 200-B, RP 210-B, RP 100-B, RP 240 and RP 241



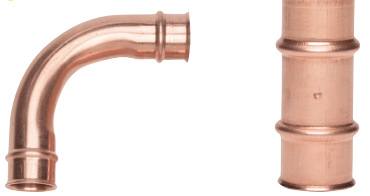
Order #	Mfg. #	Description	Each
H85-911	399021151040	15 kN Jaw 1/4"	**335.00**
H85-912	399021151050	15 kN Jaw 5/16"	**335.00**
H85-913	399021151060	15 kN Jaw 3/8"	**335.00**
H85-914	399021151080	15 kN Jaw 1/2"	**335.00**
H85-915	399021151100	15 kN Jaw 5/8"	**335.00**
H85-916	399021151120	15 kN Jaw 3/4"	**335.00**
H85-917	399021151140	15 kN Jaw 7/8"	**335.00**
H85-918	399021151180	15 kN Jaw 1-1/8"	**335.00**
H85-919	399031150801	15 kN 8-Piece Jaw Kit (1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8", 1-1/8")	**4445.00**
H28-327	399022001040	Ridgid Tool Jaw 1/4"	**735.00**
H28-328	399022001050	Ridgid Tool Jaw 5/16"	**735.00**
H28-329	399022001060	Ridgid Tool Jaw 3/8"	**735.00**
H28-330	399022001080	Ridgid Tool Jaw 1/2"	**735.00**
H28-331	399022001100	Ridgid Tool Jaw 5/8"	**735.00**
H28-332	399022001120	Ridgid Tool Jaw 3/4"	**755.00**
H28-333	399022001140	Ridgid Tool Jaw 7/8"	**755.00**
H28-334	399022001180	Ridgid Tool Jaw 1-1/8"	**755.00**
H28-335	399022001220	Ridgid Tool Jaw 1-3/8"	**755.00**
H86-057	399032000801	8-Piece Ridgid Tool Jaw Kit (1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1-1/8", 1-3/8")	**5599.00**
H86-058	399032000100	Ridgid Jaw Case (8 Empty Slots)	**385.00**

M18™ RLS® ACR Press Jaws

- For use with RLS® HVACR Braze-Free Press Fittings and M18™ FORCE LOGIC™ Press Tools
- Spring-loaded steel jaws



Order #	Mfg. #	Description	Each
H28-853	49-16-2650R	RLS ACR Press Jaw 1/4"	**735.00**
H28-854	49-16-2652R	RLS ACR Press Jaw 3/8"	**735.00**
H28-855	49-16-2653R	RLS ACR Press Jaw 1/2"	**735.00**
H28-856	49-16-2654R	RLS ACR Press Jaw 5/8"	**735.00**
H28-857	49-16-2655R	RLS ACR Press Jaw 3/4"	**819.00**
H28-858	49-16-2656R	RLS ACR Press Jaw 7/8"	**819.00**
H28-859	49-16-2657R	RLS ACR Press Jaw 1-1/8"	**865.00**
H28-860	49-16-2658R	RLS ACR Press Jaw 1-3/8"	**975.00**
H86-204	49-16-2662R	RLS 7-Piece Jaw Kit (1/4", 3/8', 1/2", 5/8", 3/4", 7/8" and 1-1/8")	**5199.00**



RLS Braze-Free Connectors

- For high pressure HVACR applications
- Approved for R410A, R134a, R404A and R407A/C/F, R507, R290, R600A, R32, non-potable water and glycol
- Not approved for R22
- Max operating pressure 700 PSI
- Max burst pressure 3000 PSI
- For use with RLS tools and jaws only

Order #	Mfg. #	Description	Each
R58-260	3031040400111	90° LR Elbow 1/4" RLS	23.49
R58-261	3031050500111	90° LR Elbow 5/16" RLS	26.99
R58-262	3031060600111	90° LR Elbow 3/8" RLS	33.99
R58-263	3031080800111	90° LR Elbow 1/2" RLS	37.99
R58-264	3031101000111	90° LR Elbow 5/8" RLS	38.99
R58-265	3031121200111	90° LR Elbow 3/4" RLS	55.00
R58-266	3031141400111	90° LR Elbow 7/8" RLS	49.49
R58-267	3031181800111	90° LR Elbow 1-1/8" RLS	65.00
R58-492	3031222200111	90° LR Elbow 1-3/8" RLS	85.00
R58-634	3501060600111	Street Elbow 90° 3/8" ODM x RLS	49.49
R58-635	3501080800111	Street Elbow 90° 1/2" ODM x RLS	55.00
R58-636	3501101000111	Street Elbow 90° 5/8" ODM x RLS	59.00
R58-637	3501121200111	Street Elbow 90° 3/4" ODM x RLS	65.00
R58-638	3501141400111	Street Elbow 90° 7/8" ODM x RLS	69.00
R58-639	3501181800111	Street Elbow 90° 1-1/8" ODM x RLS	79.00
R58-640	3501222200111	Street Elbow 90° 1-3/8" ODM x RLS	95.00
R58-641	3081060600111	45° Elbow 3/8" RLS	45.49
R58-642	3081080800111	45° Elbow 1/2" RLS	55.00
R58-643	3081101000111	45° Elbow 5/8" RLS	59.00
R58-644	3081121200111	45° Elbow 3/4" RLS	65.00
R58-645	3081141400111	45° Elbow 7/8" RLS	69.00
R58-646	3081181800111	45° Elbow 1-1/8" RLS	89.00
R58-647	3081222200111	45° Elbow 1-3/8" RLS	109.00
R58-252	3011040400111	Coupling 1/4" RLS	11.49
R58-253	3011050500111	Coupling 5/16" RLS	13.49
R58-254	3011060600111	Coupling 3/8" RLS	16.99
R58-255	3011080800111	Coupling 1/2" RLS	21.49
R58-256	3011101000111	Coupling 5/8" RLS	27.49
R58-257	3011121200111	Coupling 3/4" RLS	32.99
R58-258	3011141400111	Coupling 7/8" RLS	45.49
R58-259	3011181800111	Coupling 1-1/8" RLS	55.00
R58-493	3011222200111	Coupling 1-3/8" RLS	69.00
R58-618	3021040400111	Slip Coupling 1/4" RLS	27.99
R58-348	3021060600111	Slip Coupling 3/8" RLS	24.99
R58-349	3021080800111	Slip Coupling 1/2" RLS	27.99
R58-350	3021101000111	Slip Coupling 5/8" RLS	32.49
R58-351	3021121200111	Slip Coupling 3/4" RLS	40.99
R58-352	3021141400111	Slip Coupling 7/8" RLS	44.49
R58-353	3021181800111	Slip Coupling 1-1/8" RLS	55.00
R58-354	3021222200111	Slip Coupling 1-3/8" RLS	85.00
R58-355	3091060606111	Tee 3/8" RLS	55.00
R58-356	3091080808111	Tee 1/2" RLS	59.00

Order #	Mfg. #	Description	Each
R58-357	3091101010111	Tee 5/8" RLS	65.00
R58-358	3091121212111	Tee 3/4" RLS	69.00
R58-359	3091141414111	Tee 7/8" RLS	79.00
R58-360	3091181818111	Tee 1-1/8" RLS	105.00
R58-361	3091222222111	Tee 1-3/8" RLS	129.00
R58-362	3051060400111	Reducer 3/8" to 1/4" RLS	30.99
R58-363	3051080400111	Reducer 1/2" to 1/4" RLS	32.49
R58-364	3051080600111	Reducer 1/2" to 3/8" RLS	34.49
R58-365	3051100400111	Reducer 5/8" to 1/4" RLS	33.49
R58-366	3051100600111	Reducer 5/8" to 3/8" RLS	34.99
R58-367	3051100800111	Reducer 5/8" to 1/2" RLS	36.99
R58-368	3051120800111	Reducer 3/4" to 1/2" RLS	36.99
R58-369	3051121000111	Reducer 3/4" to 5/8" RLS	43.49
R58-370	3051140800111	Reducer 7/8" to 1/2" RLS	39.99
R58-371	3051141000111	Reducer 7/8" to 5/8" RLS	45.99
R58-372	3051141200111	Reducer 7/8" to 3/4" RLS	59.00
R58-621	3051161400111	Reducer 1" to 7/8" RLS	65.00
R58-374	3051181000111	Reducer 1-1/8" to 5/8" RLS	65.00
R58-375	3051181200111	Reducer 1-1/8" to 3/4" RLS	65.00
R58-376	3051181400111	Reducer 1-1/8" to 7/8" RLS	75.00
R58-619	3051221400111	Reducer 1-3/8" to 7/8" RLS	85.00
R58-620	3051221800111	Reducer 1-3/8" x 1-1/8" RLS	85.00
R58-377	3071040000111	Cap 1/4" RLS	13.49
R58-378	3071050000111	Cap 5/16" RLS	13.99
R58-379	3071060000111	Cap 3/8" RLS	19.49
R58-380	3071080000111	Cap 1/2" RLS	23.49
R58-381	3071100000111	Cap 5/8" RLS	25.99
R58-382	3071120000111	Cap 3/4" RLS	29.99
R58-383	3071140000111	Cap 7/8" RLS	32.49
R58-384	3071180000111	Cap 1-1/8" RLS	36.49
R58-385	3071220000111	Cap 1-3/8" RLS	41.99
R58-386	3291040000111	Flare 1/4" SAE x RLS	22.49
R58-387	3291060000111	Flare 3/8" SAE x RLS	27.99
R58-388	3291080000111	Flare 1/2" SAE x RLS	33.99
R58-389	3291100000111	Flare 5/8" SAE x RLS	37.99
R58-390	3291120000111	Flare 3/4" SAE x RLS	55.00
R58-648	3521080600111	Bushing 1/2" ODM x 3/8" RLS	44.49
R58-649	3521100800111	Bushing 5/8" ODM x 1/2" RLS	45.49
R58-650	3521121000111	Bushing 3/4" ODM x 5/8" RLS	44.99
R58-651	3521141200111	Bushing 7/8" ODM x 3/4" RLS	46.99
R58-652	3521181400111	Bushing 1-1/8" ODM x 7/8" RLS	79.00
R58-653	3521221800111	Bushing 1-3/8" ODM x 1-1/8" RLS	89.00



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Streamline® ACR Press Copper Fittings

NEW

MUELLER STREAMLINE CO.

- The industry's most innovative and reliable press fittings for refrigerant applications
- Features innovative Two Ring Advanced Press (T.R.A.P.) Technology
- DualSeal™ Ring Design - Two (2) specially engineered HNBR sealing rings operate in tandem to provide 200% more surface contact and sealing area.
- TrapZone™ Leak Barrier - Precisely designed spacing between the two pressed sealing rings acts as a vacuum barrier or "trap" area and further ensures leak protection.
- Tri-Lock™ Press Profile - Three (3) distinct and independent mechanical connection points create superior joint strength and pressure handling capability. This press profile is an industry first.
- Force360™ Press Contour - Circular press design (developed in partnership with Milwaukee® Tool) provides the most uniform compression and sealing available (compared to hex press products).
- Fittings must be used with proprietary Milwaukie® Streamline® ACR Press Jaws - compatible with leading press tools on the market


A


B

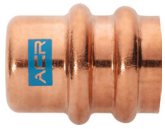

C


D


E


F


G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I

Fig.	Order #	Mfg. #	Nom. Size	Description
A	**R59-509**	RP03005	1/4"	Elbow 45° P x P
A	**R59-510**	RP03012	3/8"	Elbow 45° P x P
A	**R59-511**	RP03021	1/2"	Elbow 45° P x P
A	**R59-512**	RP03026	5/8"	Elbow 45° P x P
A	**R59-513**	RP03030	3/4"	Elbow 45° P x P
A	**R59-514**	RP03034	7/8"	Elbow 45° P x P
A	**R59-515**	RP03044	1-1/8"	Elbow 45° P x P
A	**R59-798** ◀	RP03050	1-3/8"	Elbow 45° P x P
B	**R59-078**	RP02715	1/4"	Elbow 90° P x P
B	**R59-079**	RP02716	3/8"	Elbow 90° P x P
B	**R59-080**	RP02717	1/2"	Elbow 90° P x P
B	**R59-081**	RP02722	5/8"	Elbow 90° P x P
B	**R59-082**	RP02728	3/4"	Elbow 90° P x P
B	**R59-083**	RP02734	7/8"	Elbow 90° P x P
B	**R59-084**	RP02747	1-1/8"	Elbow 90° P x P
B	**R59-776** ◀	RP02055	1-3/8"	Elbow 90° P x P
C	**R59-085**	RP02808	1/4"	Elbow 90° Street P x P
C	**R59-086**	RP02809	3/8"	Elbow 90° Street P x P
C	**R59-087**	RP02817	1/2"	Elbow 90° Street P x P
C	**R59-088**	RP02822	5/8"	Elbow 90° Street P x P
C	**R59-089**	RP02828	3/4"	Elbow 90° Street P x P
C	**R59-090**	RP02834	7/8"	Elbow 90° Street P x P
C	**R59-091**	RP02847	1-1/8"	Elbow 90° Street P x P
C	**R59-797** ◀	RP02350	1-3/8"	Elbow 90° Street P x P
D	**R59-092**	RP10141	1/4"	Coupling With Stop P x P
D	**R59-093**	RP10143	3/8"	Coupling With Stop P x P
D	**R59-094**	RP10144	1/2"	Coupling With Stop P x P
D	**R59-095**	RP10145	5/8"	Coupling With Stop P x P
D	**R59-096**	RP10157	3/4"	Coupling With Stop P x P
D	**R59-097**	RP10146	7/8"	Coupling With Stop P x P
D	**R59-098**	RP10147	1-1/8"	Coupling With Stop P x P
D	**R59-777** ◀	RP10148	1-3/8"	Coupling With Stop P x P
E	**R59-099**	RP01011	3/8" x 1/4"	Coupling Reducing P x P
E	**R59-601**	RP01021	1/2" x 1/4"	Coupling Reducing P x P
E	**R59-100**	RP01019	1/2" x 3/8"	Coupling Reducing P x P
E	**R59-602**	RP01027	5/8" x 1/4"	Coupling Reducing P x P
E	**R59-603**	RP01025	5/8" x 3/8"	Coupling Reducing P x P
E	**R59-101**	RP01023	5/8" x 1/2"	Coupling Reducing P x P

Fig.	Order #	Mfg. #	Nom. Size	Description
E	**R59-604**	RP01030	3/4" x 1/2"	Coupling Reducing P x P
E	**R59-102**	RP01029	3/4" x 5/8"	Coupling Reducing P x P
E	**R59-605**	RP01037	7/8" x 1/2"	Coupling Reducing P x P
E	**R59-103**	RP01035	7/8" x 3/4"	Coupling Reducing P x P
E	**R59-606**	RP01036	7/8" x 5/8"	Coupling Reducing P x P
E	**R59-607**	RP01052	1-1/8 x 1/2"	Coupling Reducing P x P
E	**R59-608**	RP01050	1-1/8 x 3/4"	Coupling Reducing P x P
E	**R59-609**	RP01051	1-1/8 x 5/8"	Coupling Reducing P x P
E	**R59-104**	RP01049	1-1/8 x 7/8"	Coupling Reducing P x P
E	**R59-778** ◀	RP01056	1-3/8" x 1-1/8"	Coupling Reducing P x P
F	**R59-610**	RP01947	1/4"	Coupling Extended No Stop P x P
F	**R59-611**	RP01948	3/8"	Coupling Extended No Stop P x P
F	**R59-612**	RP01949	1/2"	Coupling Extended No Stop P x P
F	**R59-613**	RP01950	5/8"	Coupling Extended No Stop P x P
F	**R59-614**	RP01951	3/4"	Coupling Extended No Stop P x P
F	**R59-615**	RP01952	7/8"	Coupling Extended No Stop P x P
F	**R59-616**	RP01955	1-1/8"	Coupling Extended No Stop P x P
F	**R59-799** ◀	RP01956	1-3/8"	Coupling Extended No Stop P x P
G	**R59-105**	RP04000	3/8"	Tee P x P x P
G	**R59-106**	RP04001	1/2"	Tee P x P x P
G	**R59-107**	RP04006	5/8"	Tee P x P x P
G	**R59-108**	RP04017	3/4"	Tee P x P x P
G	**R59-109**	RP04031	7/8"	Tee P x P x P
G	**R59-110**	RP04048	1-1/8"	Tee P x P x P
G	**R59-800** ◀	RP04068	1-3/8"	Tee P x P x P
H	**R59-111**	RP07002	1/4"	Cap P
H	**R59-112**	RP07004	3/8"	Cap P
H	**R59-113**	RP07006	1/2"	Cap P
H	**R59-114**	RP07007	5/8"	Cap P
H	**R59-115**	RP07008	3/4"	Cap P
H	**R59-116**	RP07009	7/8"	Cap P
H	**R59-117**	RP07011	1-1/8"	Cap P
H	**R59-801** ◀	RP07012	1-3/8"	Cap P
I	**R59-118**	RP15725	1/4"	Flare P x FLR
I	**R59-119**	RP15726	3/8"	Flare P x FLR
I	**R59-120**	RP15727	1/2"	Flare P x FLR
I	**R59-121**	RP15728	5/8"	Flare P x FLR
I	**R59-122**	RP15729	3/4"	Flare P x FLR

MUELLER STREAMLINE CO.

Streamline DRYMASTER® FTG X FTG Filter Drier



- UL Recognized to 700 PSI
- Compatible with R410A and other commonly used refrigerant gases and oils
- Operating Temperature: -40°F – 160°F/ -40°C – 70°C
- Solid core design
- High pressure shell and connections
- High retention filter for removal of particulate as small as 25 microns
- Certifications: UL/cUL Listed, Conforms to EU Pressure Equipment Directive and UK Pressure Equipment Regulation

Order #	Mfg. #	Conn. Size	Cubic Inches	Length
R59-589	RP17389	3/8"	8	8.03"
R59-590	RP17391	3/8"	16	8.59"
R59-591	RP16649	3/8"	8	8.16"
R59-592	RP16653	3/8"	16	8.51"
R59-593	RP16654	1/2"	16	8.51"

RIDGID

12V Lithium-Ion Cordless Press Tool Kits



- Compact and lightweight design for easy work overhead or in tight spaces
- RP 240 designed for best tool control
- RP 241 designed for easier use in tight spaces
- Built-in LED illuminates work area
- Bluetooth connectivity to your smartphone to manage cycle count and battery life
- Over 140 presses per charge
- Presses up to 1/2" to 1-1/4" copper and stainless steel, 1/2" to 1-1/2" PEX and 1/2" to 3/4" iron pipe

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Each
H86-049	57388	RP 241 Inline Cordless Press Tool (Bare Tool Only)	**3699.00**
H86-050	57383	RP 241 Inline Cordless Press Tool w/Battery and Charger	**4299.00**
H86-051	57373	RP 241 Inline Cordless Press Tool Kit w/3 ProPress Jaws (1/2", 3/4", 1")	**5499.00**
H86-052	57363	RP 241 Inline Cordless Press Tool Kit w/4 ProPress Jaws (1/2", 3/4", 1", 1-1/4")	**5699.00**
H86-053	57418	RP 240 Cordless Press Tool (Bare Tool Only)	**3799.00**
H86-054	57413	RP 240 Cordless Press Tool w/Battery and Charger	**4445.00**
H86-055	57403	RP 240 Cordless Press Tool Kit w/3 ProPress Jaws (1/2", 3/4", 1")	**5599.00**
H86-056	57398	RP 240 Cordless Press Tool Kit w/4 ProPress Jaws (1/2", 3/4", 1", 1-1/4")	**4799.00**
H28-717	31228	Compact ProPress Jaw 1-1/4"	**429.00**
H28-718	48433	Compact MegaPress Jaw 1/2"	**475.00**
H28-719	48438	Compact MegaPress Jaw 3/4"	**525.00**
H28-509	55183	12V Battery	**155.00**
H28-510	55193	12V Battery Charger	**179.00**

MUELLER STREAMLINE CO.

Streamline® Refrigerant Brass Push Fittings

NEW



A B



C

- Patented push-fit technology designed for common air conditioning and heat pump installs and repairs
- Allows for permanent tool-free and flame-free connections
- Ideal for repair and remodel projects
- Compatible with common refrigerants & oils
- Robust one-piece forged brass body
- Proprietary BackBite™ Grip Ring Technology
- Double o-ring sealing
- 10 year warranty
- Made in the USA

Fig.	Order #	Mfg. #	Description	Each
A	**R59-755**	ACP10141	1/4" Coupling	**36.49**
A	**R59-756**	ACP10143	3/8" Coupling	**43.99**
A	**R59-757**	ACP10144	1/2" Coupling	**45.99**
A	**R59-758**	ACP10145	5/8" Coupling	**49.49**
A	**R59-759**	ACP10157	3/4" Coupling	**75.00**
A	**R59-760**	ACP10146	7/8" Coupling	**85.00**
B	**R59-761**	ACP02715	1/4" Elbow	**44.99**
B	**R59-762**	ACP02716	3/8" Elbow	**55.00**
B	**R59-763**	ACP02717	1/2" Elbow	**55.00**
B	**R59-764**	ACP02722	5/8" Elbow	**65.00**
B	**R59-765**	ACP02728	3/4" Elbow	**95.00**
B	**R59-766**	ACP02734	7/8" Elbow	**99.00**
C	**R59-767**	ACP15725	1/4" Flare Adapter	**33.49**
C	**R59-768**	ACP15726	3/8" Flare Adapter	**34.99**
C	**R59-769**	ACP15727	1/2" Flare Adapter	**41.99**
C	**R59-770**	ACP15728	5/8" Flare Adapter	**45.99**

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M12™ Streamline® ACR Jaws

NEW

- For use with Streamline ACR Press Fittings
- Ideal for refrigerant line installations
- Compatible with M12™ FORCE LOGIC™ Press Tools



Order #	Mfg. #	Description	Each
H29-054	49-16-2461M	Streamline ACR Jaw Kit (1/4", 3/8", 1/2", 5/8", 3/4" and 7/8")	**4245.00**

18V Lithium-Ion Cordless Press Tool and MegaPress Jaw/Ring Kits

- Endless 360° head swivel for reaching tight spaces
- 4.5-second cycle time speeds connections
- Built-in LED illuminates work area
- Over 300 presses per charge
- Capacity: 1/2" to 4" (copper and stainless steel), 1/2" to 2" (PEX), but only includes jaws up to 2"
- Bluetooth connectivity and color-coded light indicators for easy operation
- **H85-805** swivel actuator allows a press tool to be placed ±90° to the tube being pressed for hard-to-reach applications, kit includes 1/2", 3/4", 1", 1-1/4" rings, actuator and carrying case
- **H85-806** includes 1/2", 3/4", 1" jaws and carrying case
- **H85-839** includes 1/2", 3/4", 1" jaws, 1-1/4", 1-1/2", 2" rings, actuator and carrying case
- **H86-094** press booster allows for pressing of steel pipe up to 4", kit includes booster, 2-1/2", 3", 4" MegaPress Rings and shoulder strap
- **H86-143** XL-C Rings for pressing 2-1/2" to 4" ProPress fittings

Warning: This product contains lithium batteries and cannot be shipped by air



Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Each
H85-804	67053	RP 350 Cordless Press Tool Kit w/6 ProPress Jaws (1/2", 3/4", 1", 1-1/4", 1-1/2", 2")	**9345.00**
H85-805	28048	ProPress Rings Kit (1/2" to 1-1/4")	**4599.00**
H85-806	48558	3-Piece Jaw Kit for Viega MegaPress Fittings (1/2", 3/4", 1")	**2145.00**
H85-839	48553	7-Piece Jaw and Ring Kit for Viega MegaPress Fittings (1/2", 3/4", 1", 1-1/4", 1-1/2", 2")	**7799.00**
H86-094	60638	Press Booster for Viega MegaPress XL Fittings	**12500.00**
H86-143	20483	ProPress XL-C Rings Kit (2-1/2" to 4")	**7599.00**

M12™ ZoomLock MAX Jaws

NEW

- For use with ZoomLock MAX press fittings
- Ideal for installing high-pressure HVAC and refrigeration systems
- Compatible with ACR tube and line set
- For use with M12™ FORCE LOGIC™ Press Tools





Order #	Mfg. #	Description	Each
H29-046	49-16-2450Z	ZoomLock MAX Jaw 1/4"	**689.00**
H29-047	49-16-2452Z	ZoomLock MAX Jaw 3/8"	**689.00**
H29-048	49-16-2453Z	ZoomLock MAX Jaw 1/2"	**689.00**
H29-049	49-16-2454Z	ZoomLock MAX Jaw 5/8"	**689.00**
H29-050	49-16-2455Z	ZoomLock MAX Jaw 3/4"	**709.00**
H29-051	49-16-2456Z	ZoomLock MAX Jaw 7/8"	**709.00**
H29-052	49-16-2457Z	ZoomLock MAX Jaw 1-1/8"	**755.00**
H29-053	49-16-2462Z	ZoomLock MAX Jaw Kit (1/4", 3/8", 1/2", 5/8", 3/4", 7/8", and 1-1/8")	**4645.00**

Hermetically Sealed FTG x FTG Sight Glass

- UL Recognized to 700 PSI
- Compatible with R410A and other commonly used refrigerant gases and oils
- Operating Temperature: -40°F – 185°F / -40°C – 85°C
- Designed for maximum flow and minimum pressure drop
- Large viewing window and indicator for better visibility
- Provides accurate identification of system conditions
- Certifications: UL/cUL Recognized, Conforms to EU Pressure Equipment Directive and UK Pressure Equipment Regulation



Order #	Mfg. #	Conn. Size
R59-594	RP18114	1/4"
R59-595	RP18115	3/8"
R59-596	RP18116	1/2"
R59-597	RP18117	5/8"

Order #	Mfg. #	Conn. Size
R59-598	RP18118	3/4"
R59-599	RP18119	7/8"
R59-600	RP18120	1-1/8"

M18™ ZoomLock MAX Jaws

NEW





- For use with ZoomLock MAX press fittings
- Ideal for installing high-pressure HVAC and refrigeration systems
- Compatible with ACR tube and line set
- For use with M18™ FORCE LOGIC™ Press Tools

Order #	Mfg. #	Description	Each
H29-055	49-16-2650Z	ZoomLock MAX Jaw 1/4"	**735.00**
H29-056	49-16-2652Z	ZoomLock MAX Jaw 3/8"	**735.00**
H29-057	49-16-2653Z	ZoomLock MAX Jaw 1/2"	**735.00**
H29-058	49-16-2654Z	ZoomLock MAX Jaw 5/8"	**735.00**
H29-059	49-16-2655Z	ZoomLock MAX Jaw 3/4"	**819.00**
H29-060	49-16-2656Z	ZoomLock MAX Jaw 7/8"	**819.00**
H29-061	49-16-2657Z	ZoomLock MAX Jaw 1-1/8"	**865.00**
H29-062	49-16-2662Z	ZoomLock MAX Jaw Kit (1/4", 3/8", 1/2", 5/8", 3/4", 7/8", and 1-1/8")	**5199.00**

M18™ FORCE LOGIC™ Press Tool



Hazardous Material Shipping Alert

- Compact and lightweight inline design
- Auto-cycle ensures full press every time
- Longest calibration interval at 50,000 cycles
- Includes battery, 12V/18V multi-voltage charger and carrying case
- Jaw Kit, Press Ring and Ring Jaw for use with Viega MegaPress fittings

Warning: This product contains lithium batteries and cannot be shipped by air

Order #	Mfg. #	Description	Each
H86-132	2922-20	M18 FORCE LOGIC Press Tool (Bare Tool Only)	**6099.00**
H86-133	49-16-2696	3-Piece Jaw Kit for Viega MegaPress Fittings (1/2", 3/4", 1")	**1845.00**
H28-703	49-16-2653B	Press Ring for Viega MegaPress Fittings (1-1/4")	**1199.00**
H28-704	49-16-2659	Ring Jaw 1 (for 1-1/4" to 2")	**1399.00**
H86-183	2922-22M	M18™ FORCE LOGIC™ Press Tool w/6 Streamline ACR Jaws (1/4", 3/8", 1/2", 5/8", 3/4" and 7/8")	**10500.00**

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- **Lower Job Costs**
- **One Touch Shopping**
- **Easy Review & Approval**



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Viega ProPress® Press Joining Systems

- Flameless press technology eliminates sweating, brazing & grooving
- Connections can be made in wet or dry conditions
- Makes secure connections in less than seven seconds
- No need for burn permits or fire watches
- EPDM sealing element
- Copper and brass components are lead free


A


B


C


D


E


F


G


H


I


J


K


L


M


N


O


P


Q

Fig.	Order #	Mfg. #	Nom. Size	Description
A	**R57-490**	77317	1/2"	Elbow 90° P x P
A	**R58-324**	77022	3/4"	Elbow 90° P x P
A	**R58-325**	77027	1"	Elbow 90° P x P
A	**R57-494**	77032	1-1/4"	Elbow 90° P x P
A	**R58-327**	77037	1-1/2"	Elbow 90° P x P
A	**R57-497**	77042	2"	Elbow 90° P x P
B	**R57-498**	77347	1/2"	Elbow 90° P x FTG
B	**R58-329**	77052	3/4"	Elbow 90° P x FTG
B	**R58-330**	77057	1"	Elbow 90° P x FTG
B	**R57-502**	77062	1-1/4"	Elbow 90° P x FTG
B	**R58-332**	77067	1-1/2"	Elbow 90° P x FTG
B	**R57-505**	77072	2"	Elbow 90° P x FTG
A	**R57-506**	77325	3/4" x 1/2"	Elbow 90° P x P
A	**R57-507**	77330	1" x 3/4"	Elbow 90° P x P
C	**R57-508**	77607	1/2"	Elbow 45° P x P
C	**R58-334**	77023	3/4"	Elbow 45° P x P
C	**R58-335**	77028	1"	Elbow 45° P x P
C	**R57-512**	77033	1-1/4"	Elbow 45° P x P
C	**R58-337**	77038	1-1/2"	Elbow 45° P x P
C	**R57-515**	77043	2"	Elbow 45° P x P
D	**R57-516**	77637	1/2"	Elbow 45° P x FTG
D	**R58-339**	77053	3/4"	Elbow 45° P x FTG
D	**R58-340**	77058	1"	Elbow 45° P x FTG
D	**R57-520**	77063	1-1/4"	Elbow 45° P x FTG
D	**R58-342**	77068	1-1/2"	Elbow 45° P x FTG
D	**R57-523**	77073	2"	Elbow 45° P x FTG
E	**R57-524**	78047	1/2"	Coupling With Stop P x P
E	**R57-525**	78052	3/4"	Coupling With Stop P x P
E	**R57-526**	78057	1"	Coupling With Stop P x P
E	**R57-527**	78062	1-1/4"	Coupling With Stop P x P
E	**R57-528**	78067	1-1/2"	Coupling With Stop P x P
E	**R57-529**	78072	2"	Coupling With Stop P x P
F	**R57-530**	78172	1/2"	Coupling No Stop P x P
F	**R57-531**	78177	3/4"	Coupling No Stop P x P

Fig.	Order #	Mfg. #	Nom. Size	Description
F	**R57-532**	78182	1"	Coupling No Stop P x P
F	**R57-533**	78187	1-1/4"	Coupling No Stop P x P
F	**R57-534**	78192	1-1/2"	Coupling No Stop P x P
F	**R57-535**	78197	2"	Coupling No Stop P x P
G	**R57-536**	79005	1/2"	Coupling Extended No Stop P x P
G	**R57-537**	79010	3/4"	Coupling Extended No Stop P x P
G	**R57-538**	79015	1"	Coupling Extended No Stop P x P
G	**R57-539**	79020	1-1/4"	Coupling Extended No Stop P x P
G	**R57-540**	79025	1-1/2"	Coupling Extended No Stop P x P
G	**R57-541**	79030	2"	Coupling Extended No Stop P x P
H	**R57-542**	79300	1/2"	Adapter Bronze P x FPT
H	**R57-543**	79305	1/2" x 3/4"	Adapter Bronze P x FPT
H	**R57-544**	79315	3/4"	Adapter Bronze P x FPT
H	**R58-241**	79310	3/4" x 1/2"	Adapter Bronze P x FPT
H	**R57-545**	79330	1"	Adapter Bronze P x FPT
H	**R58-242**	79335	1" x 1-1/4"	Adapter Bronze P x FPT
H	**R57-546**	79350	1-1/4"	Adapter Bronze P x FPT
H	**R57-547**	79365	1-1/2"	Adapter Bronze P x FPT
H	**R57-548**	79370	2"	Adapter Bronze P x FPT
I	**R57-549**	79215	1/2"	Adapter Bronze P x MPT
I	**R57-550**	79220	1/2" x 3/4"	Adapter Bronze P x MPT
I	**R57-551**	79230	3/4"	Adapter Bronze P x MPT
I	**R57-552**	79235	3/4" x 1"	Adapter Bronze P x MPT
I	**R57-553**	79245	1"	Adapter Bronze P x MPT
I	**R57-554**	79260	1-1/4"	Adapter Bronze P x MPT
I	**R57-555**	79255	1-1/4" x 1"	Adapter Bronze P x MPT
I	**R57-556**	79275	1-1/2"	Adapter Bronze P x MPT
I	**R57-557**	79290	2"	Adapter Bronze P x MPT
J	**R57-558**	78147	3/4" x 1/2"	Reducer P x P
J	**R57-559**	15603	1" x 1/2"	Reducer P x P
J	**R57-560**	78152	1" x 3/4"	Reducer P x P
J	**R57-561**	15593	1-1/4" x 3/4"	Reducer P x P

continued on next page

Fig.	Order #	Mfg. #	Nom. Size	Description
J	**R57-562**	78157	1-1/4" x 1"	Reducer P x P
J	**R57-563**	18473	1-1/2" x 3/4"	Reducer P x P
J	**R57-564**	15588	1-1/2" x 1"	Reducer P x P
J	**R57-565**	78162	1-1/2" x 1-1/4"	Reducer P x P
J	**R57-566**	18468	2" x 3/4"	Reducer P x P
J	**R57-567**	15608	2" x 1"	Reducer P x P
J	**R57-568**	22328	2" x 1-1/4"	Reducer P x P
J	**R57-569**	78167	2" x 1-1/2"	Reducer P x P
K	**R57-570**	78077	3/4" x 1/2"	Reducer FTG x P
K	**R57-571**	78082	1" x 1/2"	Reducer FTG x P
K	**R57-572**	78087	1" x 3/4"	Reducer FTG x P
K	**R57-573**	22333	1-1/4" x 1/2"	Reducer FTG x P
K	**R57-574**	78092	1-1/4" x 3/4"	Reducer FTG x P
K	**R57-575**	78097	1-1/4" x 1"	Reducer FTG x P
K	**R57-576**	14543	1-1/2" x 3/4"	Reducer FTG x P
K	**R57-577**	78102	1-1/2" x 1"	Reducer FTG x P
K	**R57-578**	78107	1-1/2" x 1-1/4"	Reducer FTG x P
K	**R57-579**	78112	2" x 1"	Reducer FTG x P
K	**R57-580**	78117	2" x 1-1/4"	Reducer FTG x P
K	**R57-581**	78122	2" x 1-1/2"	Reducer FTG x P
L	**R57-582**	77377	1/2"	Tee P x P x P
L	**R57-583**	77387	3/4"	Tee P x P x P
L	**R57-584**	77412	1"	Tee P x P x P
L	**R57-585**	77442	1-1/4"	Tee P x P x P
L	**R57-586**	77457	1-1/2"	Tee P x P x P
L	**R57-587**	77477	2"	Tee P x P x P
L	**R57-588**	77382	1/2" x 1/2" x 3/4"	Tee P x P x P
L	**R57-589**	15493	1/2" x 1/2" x 1"	Tee P x P x P
L	**R57-590**	77392	3/4" x 1/2" x 1/2"	Tee P x P x P
L	**R57-591**	77397	3/4" x 1/2" x 3/4"	Tee P x P x P
L	**R57-592**	77402	3/4" x 3/4" x 1/2"	Tee P x P x P
L	**R57-593**	77407	3/4" x 3/4" x 1"	Tee P x P x P
L	**R57-594**	22263	1" x 1/2" x 3/4"	Tee P x P x P
L	**R57-595**	94767	1" x 1/2" x 1"	Tee P x P x P
L	**R57-596**	77417	1" x 3/4" x 1/2"	Tee P x P x P
L	**R57-597**	77422	1" x 3/4" x 3/4"	Tee P x P x P
L	**R57-598**	77427	1" x 3/4" x 1"	Tee P x P x P
L	**R57-599**	77432	1" x 1" x 1/2"	Tee P x P x P
L	**R57-600**	77437	1" x 1" x 3/4"	Tee P x P x P
L	**R57-601**	15488	1" x 1" x 1-1/4"	Tee P x P x P
L	**R57-602**	22253	1-1/4" x 1/2" x 1-1/4"	Tee P x P x P
L	**R57-604**	22258	1-1/4" x 3/4" x 3/4"	Tee P x P x P
L	**R57-605**	22268	1-1/4" x 3/4" x 1"	Tee P x P x P
L	**R57-606**	22248	1-1/4" x 3/4" x 1-1/4"	Tee P x P x P
L	**R57-607**	22238	1-1/4" x 1" x 1/2"	Tee P x P x P

Fig.	Order #	Mfg. #	Nom. Size	Description
L	**R57-608**	94762	1-1/4" x 1" x 3/4"	Tee P x P x P
L	**R57-609**	14568	1-1/4" x 1" x 1"	Tee P x P x P
L	**R57-610**	94757	1-1/4" x 1-1/4" x 1/2"	Tee P x P x P
L	**R57-611**	77452	1-1/4" x 1-1/4" x 3/4"	Tee P x P x P
L	**R57-612**	77447	1-1/4" x 1-1/4" x 1"	Tee P x P x P
L	**R57-613**	79660	1-1/2" x 1" x 3/4"	Tee P x P x P
L	**R57-614**	15458	1-1/2" x 1" x 1"	Tee P x P x P
L	**R57-615**	15463	1-1/2" x 1" x 1-1/2"	Tee P x P x P
L	**R57-616**	22233	1-1/2" x 1-1/4" x 3/4"	Tee P x P x P
L	**R57-617**	15453	1-1/2" x 1-1/4" x 1"	Tee P x P x P
L	**R57-618**	15483	1-1/2" x 1-1/4" x 1-1/4"	Tee P x P x P
L	**R57-619**	15448	1-1/2" x 1-1/2" x 1/2"	Tee P x P x P
L	**R57-620**	77462	1-1/2" x 1-1/2" x 3/4"	Tee P x P x P
L	**R57-621**	77467	1-1/2" x 1-1/2" x 1"	Tee P x P x P
L	**R57-622**	77472	1-1/2" x 1-1/2" x 1-1/4"	Tee P x P x P
L	**R57-623**	15518	2" x 1-1/4" x 1-1/4"	Tee P x P x P
L	**R57-624**	15513	2" x 1-1/2" x 3/4"	Tee P x P x P
L	**R57-625**	15498	2" x 1-1/2" x 1"	Tee P x P x P
L	**R57-626**	15508	2" x 1-1/2" x 1-1/4"	Tee P x P x P
L	**R57-627**	15503	2" x 1-1/2" x 1-1/2"	Tee P x P x P
L	**R57-628**	22228	2" x 1-1/2" x 2"	Tee P x P x P
L	**R57-629**	15538	2" x 2" x 1/2"	Tee P x P x P
L	**R57-630**	94777	2" x 2" x 3/4"	Tee P x P x P
L	**R57-631**	94772	2" x 2" x 1"	Tee P x P x P
L	**R57-632**	77487	2" x 2" x 1-1/4"	Tee P x P x P
L	**R57-633**	77482	2" x 2" x 1-1/2"	Tee P x P x P
M	**R58-238**	79730	1/2"	Union P x MPT
M	**R58-239**	79735	3/4"	Union P x MPT
M	**R58-240**	79740	1"	Union P x MPT
N	**R57-634**	77712	1/2"	Cap P
N	**R57-635**	77717	3/4"	Cap P
N	**R57-636**	77722	1"	Cap P
N	**R57-637**	77727	1-1/4"	Cap P
N	**R57-638**	77732	1-1/2"	Cap P
N	**R57-639**	77737	2"	Cap P
O	**R57-642**	77742	1/2"	Cross Over P x P
O	**R57-643**	77747	3/4"	Cross Over P x P
P	**R57-644**	19786	1/2"	Stub Out 90°
Q	**R57-771**	79920	1/2"	Ball Valve Bronze
Q	**R57-772**	79925	3/4"	Ball Valve Bronze
Q	**R57-773**	79930	1"	Ball Valve Bronze
Q	**R58-243**	79935	1-1/4"	Ball Valve Bronze
—	**R59-022**	16423	3/4"	Stiffener Insert Bronze

M18™ Streamline® ACR Jaws

NEW

- For use with Streamline ACR press fittings
- Ideal for refrigerant line installations
- Compatible with ACR tube and line set
- For use with M18™ FORCE LOGIC™ Press Tools



Order #	Mfg. #	Description	Each
H28-779	49-16-2650M	Streamline ACR Jaw 1/4"	**735.00**
H28-780	49-16-2652M	Streamline ACR Jaw 3/8"	**735.00**
H28-781	49-16-2653M	Streamline ACR Jaw 1/2"	**735.00**
H28-782	49-16-2654M	Streamline ACR Jaw 5/8"	**819.00**
H28-783	49-16-2655M	Streamline ACR Jaw 3/4"	**819.00**
H28-784	49-16-2656M	Streamline ACR Jaw 7/8"	**865.00**
H28-785	49-16-2657M	Streamline ACR Jaw 1-1/8"	**1799.00**
H28-941	49-16-2658M	Streamline ACR Jaw 1-3/8"	**1899.00**
H86-184	49-16-2661M	Streamline ACR 6-Piece Jaw Kit (1/4", 3/8", 1/2", 5/8", 3/4" and 7/8")	**4499.00**

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M12™ FORCE LOGIC™ Press Tool Kit w/ CTS-V Press Jaws ◀ NEW

- Enables connections on Copper, PEX, Black Iron, Stainless Steel, and more
- 1/2" to 1-1/4" CU jaw capacity
- Performs 32,000 crimps between service inspections
- Compact and lightweight design at 3.8 lbs.
- Up to 5,400 lbs. of force
- 2473-22 kit includes 3 CTS-V Jaws (3/4", 1/2", 1"), (2) M12™ CP1.5 Battery Pack, M12™ battery charger, and hard carrying case

Warning: This product contains lithium batteries and cannot be shipped by air



Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Each
H29-120 ◀	2473-22	M12™ FORCE LOGIC™ Press Tool Kit w/3 CTS-V Press Jaws (3/4", 1/2", 1")	**4999.00**



viega

MegaPressG® Carbon Steel Press Joining System

- Suitable for Schedule 40 fuel oil, natural gas and LP gas installations
- For use with ASTM Schedule 5 to Schedule 40 black iron pipe
- Flameless press technology eliminates sweating, brazing & grooving
- Makes secure connections in less than seven seconds
- No need for burn permits or fire watches
- HNBR sealing element



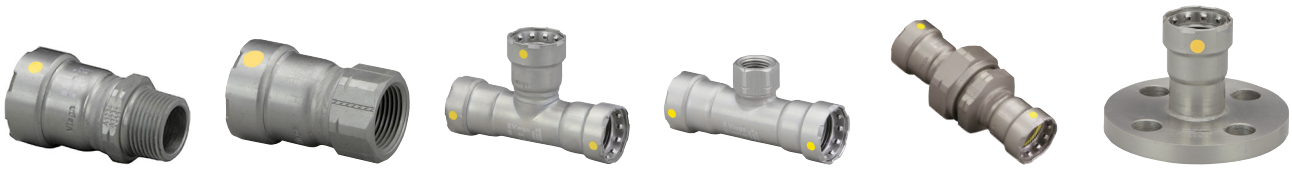

Fig.	Order #	Mfg. #	Nom. Size	Description
A	**R57-647**	25201	1/2"	Elbow 90° P x P
A	**R57-648**	25206	3/4"	Elbow 90° P x P
A	**R57-649**	25211	1"	Elbow 90° P x P
A	**R57-650**	25216	1-1/4"	Elbow 90° P x P
A	**R57-651**	25221	1-1/2"	Elbow 90° P x P
A	**R57-652**	25226	2"	Elbow 90° P x P
B	**R57-653**	26051	1/2"	Elbow 90° P x FTG
B	**R57-654**	26056	3/4"	Elbow 90° P x FTG
B	**R57-655**	26061	1"	Elbow 90° P x FTG
B	**R57-656**	26066	1-1/4"	Elbow 90° P x FTG
B	**R57-657**	26071	1-1/2"	Elbow 90° P x FTG
B	**R57-658**	26076	2"	Elbow 90° P x FTG
C	**R57-659**	25231	1/2"	Elbow 45° P x P
C	**R57-660**	25236	3/4"	Elbow 45° P x P
C	**R57-661**	25241	1"	Elbow 45° P x P
C	**R57-662**	25246	1-1/4"	Elbow 45° P x P
C	**R57-663**	25251	1-1/2"	Elbow 45° P x P
C	**R57-664**	25256	2"	Elbow 45° P x P
D	**R57-665**	26101	1/2"	Elbow 45° P x FTG
D	**R57-666**	26106	3/4"	Elbow 45° P x FTG
D	**R57-667**	26111	1"	Elbow 45° P x FTG
D	**R57-668**	26116	1-1/4"	Elbow 45° P x FTG
D	**R57-669**	26121	1-1/2"	Elbow 45° P x FTG
D	**R57-670**	26126	2"	Elbow 45° P x FTG
E	**R57-671**	25001	1/2"	Coupling With Stop P x P
E	**R57-672**	22009	3/4"	Coupling With Stop P x P
E	**R57-673**	25011	1"	Coupling With Stop P x P
E	**R57-674**	25016	1-1/4"	Coupling With Stop P x P
E	**R57-675**	25021	1-1/2"	Coupling With Stop P x P
E	**R57-676**	25026	2"	Coupling With Stop P x P
F	**R57-677**	25031	1/2"	Coupling No Stop P x P
F	**R57-678**	25036	3/4"	Coupling No Stop P x P
F	**R57-679**	25041	1"	Coupling No Stop P x P
F	**R57-680**	25046	1-1/4"	Coupling No Stop P x P
F	**R57-681**	25051	1-1/2"	Coupling No Stop P x P
F	**R57-682**	25056	2"	Coupling No Stop P x P
G	**R59-053**	25931	3/4" x 1/2"	Reducer P x P
G	**R59-054**	25936	1" x 1/2"	Reducer P x P
G	**R59-055**	25941	1" x 3/4"	Reducer P x P
G	**R59-056**	25946	1-1/4" x 3/4"	Reducer P x P
G	**R59-057**	25951	1-1/4" x 1"	Reducer P x P

Fig.	Order #	Mfg. #	Nom. Size	Description
G	**R59-058**	25956	1-1/2" x 1-1/4"	Reducer P x P
G	**R59-059**	25961	2" x 1-1/4"	Reducer P x P
G	**R59-060**	25966	2" x 1-1/2"	Reducer P x P
H	**R57-683**	26001	3/4" x 1/2"	Reducer FTG x P
H	**R57-684**	26006	1" x 1/2"	Reducer FTG x P
H	**R57-685**	26011	1" x 3/4"	Reducer FTG x P
H	**R57-686**	26016	1-1/4" x 1"	Reducer FTG x P
H	**R57-687**	26021	1-1/2" x 3/4"	Reducer FTG x P
H	**R57-688**	26031	1-1/2" x 1"	Reducer FTG x P
H	**R57-689**	26026	1-1/2" x 1-1/4"	Reducer FTG x P
H	**R57-690**	26036	2" x 1"	Reducer FTG x P
H	**R57-691**	26041	2" x 1-1/4"	Reducer FTG x P
H	**R57-692**	26046	2" x 1-1/2"	Reducer FTG x P
I	**R57-693**	25101	1/2"	Adapter P x MPT
I	**R57-694**	25106	3/4"	Adapter P x MPT
I	**R57-695**	25111	1"	Adapter P x MPT
I	**R57-696**	25116	1-1/4"	Adapter P x MPT
I	**R57-697**	25121	1-1/2"	Adapter P x MPT
I	**R57-698**	25126	2"	Adapter P x MPT
J	**R57-699**	25131	1/2"	Adapter P x FPT
J	**R57-701**	25136	3/4"	Adapter P x FPT
J	**R57-700**	25576	3/4" x 1/2"	Adapter P x FPT
J	**R57-704**	25141	1"	Adapter P x FPT
J	**R57-702**	25581	1" x 1/2"	Adapter P x FPT
J	**R57-703**	25586	1" x 3/4"	Adapter P x FPT
J	**R57-708**	25146	1-1/4"	Adapter P x FPT
J	**R57-705**	25591	1-1/4" x 1/2"	Adapter P x FPT
J	**R57-706**	25596	1-1/4" x 3/4"	Adapter P x FPT
J	**R57-707**	25601	1-1/4" x 1"	Adapter P x FPT
J	**R57-713**	25151	1-1/2"	Adapter P x FPT
J	**R57-709**	25606	1-1/2" x 1/2"	Adapter P x FPT
J	**R57-710**	25611	1-1/2" x 3/4"	Adapter P x FPT
J	**R57-711**	25616	1-1/2" x 1"	Adapter P x FPT
J	**R57-712**	25621	1-1/2" x 1-1/4"	Adapter P x FPT
J	**R57-719**	25156	2"	Adapter P x FPT
J	**R57-714**	25626	2" x 1/2"	Adapter P x FPT
J	**R57-715**	25631	2" x 3/4"	Adapter P x FPT
J	**R57-716**	25636	2" x 1"	Adapter P x FPT
J	**R57-717**	25641	2" x 1-1/4"	Adapter P x FPT
J	**R57-718**	25646	2" x 1-1/2"	Adapter P x FPT

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Fig.	Order #	Mfg. #	Nom. Size	Description
K	**R57-720**	25301	1/2"	Tee P x P x P
K	**R57-721**	25306	3/4"	Tee P x P x P
K	**R57-722**	25311	1"	Tee P x P x P
K	**R57-723**	25316	1-1/4"	Tee P x P x P
K	**R57-724**	25321	1-1/2"	Tee P x P x P
K	**R57-725**	25326	2"	Tee P x P x P
K	**R57-726**	25331	3/4" x 3/4" x 1/2"	Tee P x P x P
K	**R57-727**	25336	1" x 1" x 1/2"	Tee P x P x P
K	**R57-728**	25341	1" x 1" x 3/4"	Tee P x P x P
K	**R57-729**	25351	1-1/4" x 1-1/4" x 1"	Tee P x P x P
K	**R57-730**	25361	1-1/2" x 1-1/2" x 1/2"	Tee P x P x P
K	**R57-731**	25366	1-1/2" x 1-1/2" x 3/4"	Tee P x P x P
K	**R57-732**	25371	1-1/2" x 1-1/2" x 1"	Tee P x P x P
K	**R57-733**	25376	1-1/2" x 1-1/2" x 1-1/4"	Tee P x P x P
K	**R57-734**	25381	2" x 2" x 1/2"	Tee P x P x P
K	**R57-735**	25386	2" x 2" x 3/4"	Tee P x P x P
K	**R57-736**	25391	2" x 2" x 1"	Tee P x P x P
K	**R57-737**	25396	2" x 2" x 1-1/4"	Tee P x P x P
K	**R57-738**	25401	2" x 2" x 1-1/2"	Tee P x P x P
L	**R57-739**	25481	3/4"	Tee P x P x FPT
L	**R57-740**	25406	3/4" x 3/4" x 1/2"	Tee P x P x FPT
L	**R57-741**	25411	1" x 1" x 1/2"	Tee P x P x FPT
L	**R57-742**	25416	1" x 1" x 3/4"	Tee P x P x FPT
L	**R57-743**	25486	1-1/4" x 1-1/4" x 1/2"	Tee P x P x FPT
L	**R57-744**	25436	1-1/2" x 1-1/2" x 1/2"	Tee P x P x FPT
L	**R57-745**	25441	1-1/2" x 1-1/2" x 3/4"	Tee P x P x FPT

Fig.	Order #	Mfg. #	Nom. Size	Description
L	**R57-746**	25446	1-1/2" x 1-1/2" x 1"	Tee P x P x FPT
L	**R57-747**	25451	1-1/2" x 1-1/2" x 1-1/4"	Tee P x P x FPT
L	**R57-748**	25456	2" x 2" x 1/2"	Tee P x P x FPT
L	**R57-749**	25461	2" x 2" x 3/4"	Tee P x P x FPT
L	**R57-750**	25466	2" x 2" x 1"	Tee P x P x FPT
L	**R57-751**	25471	2" x 2" x 1-1/4"	Tee P x P x FPT
L	**R57-752**	25476	2" x 2" x 1-1/2"	Tee P x P x FPT
M	**R57-753**	25731	1/2"	Cap P
M	**R57-754**	25736	3/4"	Cap P
M	**R57-755**	25741	1"	Cap P
M	**R57-756**	25746	1-1/4"	Cap P
M	**R57-757**	25751	1-1/2"	Cap P
M	**R57-758**	25756	2"	Cap P
N	**R57-759**	25701	1/2"	Union P x P
N	**R57-760**	25706	3/4"	Union P x P
N	**R57-761**	25711	1"	Union P x P
N	**R57-762**	25716	1-1/4"	Union P x P
N	**R57-763**	25721	1-1/2"	Union P x P
N	**R57-764**	25726	2"	Union P x P
O	**R57-765**	25761	1/2"	Flange P
O	**R57-766**	25766	3/4"	Flange P
O	**R57-767**	25771	1"	Flange P
O	**R57-768**	25776	1-1/4"	Flange P
O	**R57-769**	25781	1-1/2"	Flange P
O	**R57-770**	25786	2"	Flange P

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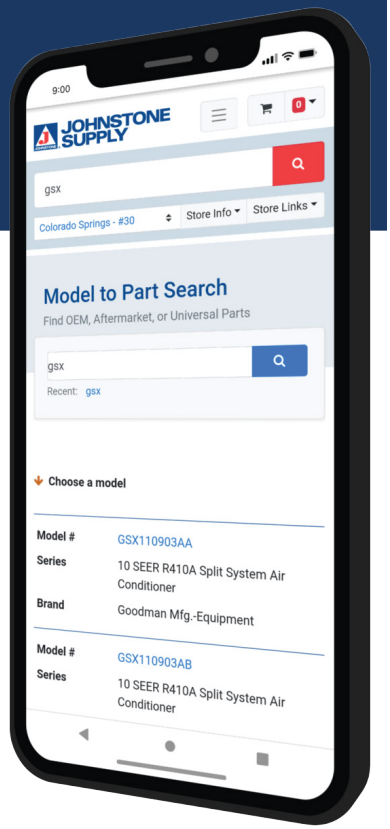

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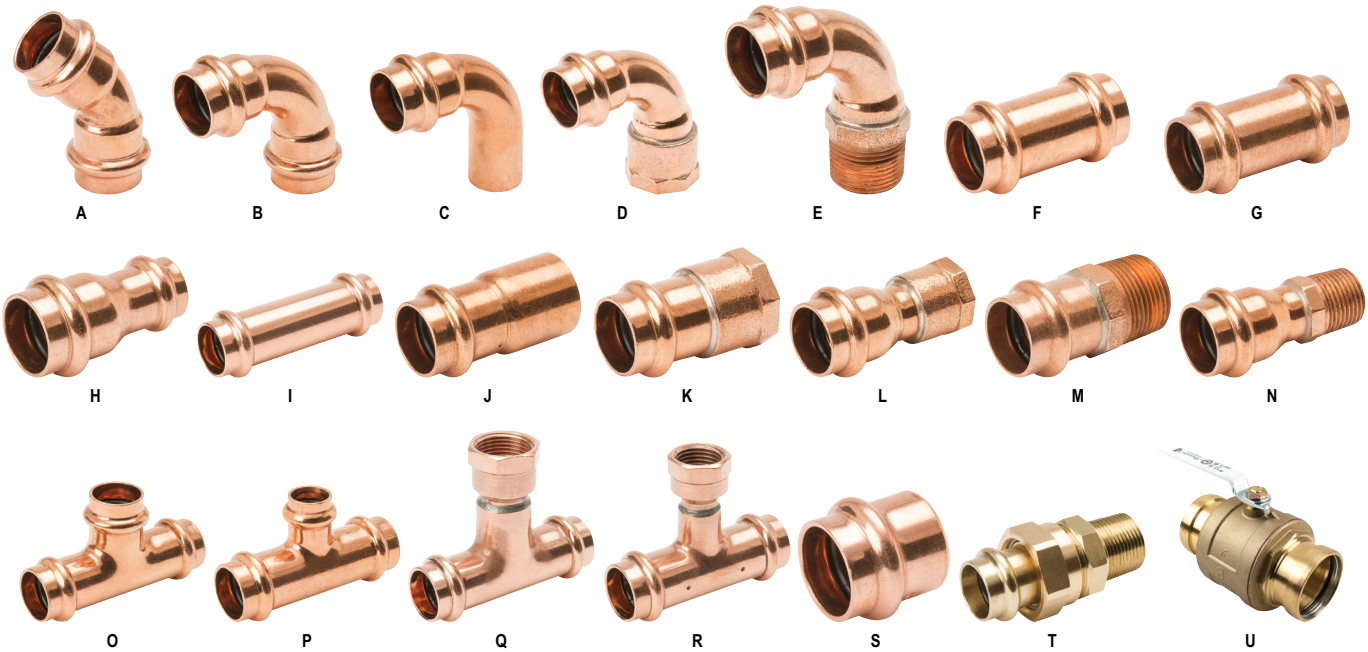

Fig.	Order #	Mfg. #	Nom. Size	Description
A	**R59-123**	PF03026	1/2"	Elbow 45° P x P
A	**R59-124**	PF03034	3/4"	Elbow 45° P x P
A	**R59-125**	PF03044	1"	Elbow 45° P x P
A	**R59-126**	PF03050	1-1/4"	Elbow 45° P x P
A	**R59-127**	PF03055	1-1/2"	Elbow 45° P x P
A	**R59-128**	PF03059	2"	Elbow 45° P x P
A	**R59-129**	PF03326	1/2"	Elbow Street 45° FTG x P
A	**R59-130**	PF03334	3/4"	Elbow Street 45° FTG x P
A	**R59-131**	PF03344	1"	Elbow Street 45° FTG x P
A	**R59-132**	PF03350	1-1/4"	Elbow Street 45° FTG x P
A	**R59-133**	PF03355	1-1/2"	Elbow Street 45° FTG x P
A	**R59-134**	PF03359	2"	Elbow Street 45° FTG x P
B	**R59-135**	PF02722	1/2"	Elbow Short Radius 90° P x P
B	**R59-136**	PF01634	3/4"	Elbow Short Radius 90° P x P
B	**R59-137**	PF01647	1"	Elbow Short Radius 90° P x P
B	**R59-138**	PF02084	1-1/4"	Elbow Short Radius 90° P x P
B	**R59-139**	PF02085	1-1/2"	Elbow Short Radius 90° P x P
B	**R59-140**	PF02086	2"	Elbow Short Radius 90° P x P
B	**R59-141**	PF02734	3/4"	Elbow Long Radius 90° P x P
B	**R59-142**	PF02747	1"	Elbow Long Radius 90° P x P
B	**R59-143**	PF02055	1-1/4"	Elbow Long Radius 90° P x P
B	**R59-144**	PF02063	1-1/2"	Elbow Long Radius 90° P x P
B	**R59-145**	PF02072	2"	Elbow Long Radius 90° P x P
C	**R59-146**	PF02822	1/2"	Elbow Short Radius Street 90° P x P
C	**R59-147**	PF01654	3/4"	Elbow Short Radius Street 90° P x P
C	**R59-148**	PF02344	1"	Elbow Short Radius Street 90° P x P
C	**R59-149**	PF02384	1-1/4"	Elbow Short Radius Street 90° P x P
C	**R59-150**	PF02385	1-1/2"	Elbow Short Radius Street 90° P x P
C	**R59-151**	PF02386	2"	Elbow Short Radius Street 90° P x P
C	**R59-152**	PF02834	3/4"	Elbow Long Radius Street 90° P x P
C	**R59-153**	PF02847	1"	Elbow Long Radius Street 90° P x P
C	**R59-154**	PF02350	1-1/4"	Elbow Long Radius Street 90° P x P
C	**R59-155**	PF02355	1-1/2"	Elbow Long Radius Street 90° P x P
C	**R59-156**	PF02359	2"	Elbow Long Radius Street 90° P x P
D	**R59-157**	PF01507	1/2"	Elbow Female 90° P X FPT
D	**R59-158**	PF01532	3/4"	Elbow Female 90° P X FPT
D	**R59-159**	PF01559	1"	Elbow Female 90° P X FPT
D	**R59-160**	PF01594	1-1/4"	Elbow Female 90° P X FPT
D	**R59-161**	PF01632	1-1/2"	Elbow Female 90° P X FPT
D	**R59-162**	PF01680	2"	Elbow Female 90° P X FPT
E	**R59-163**	PF01506	1/2"	Elbow Male 90° P X MPT
E	**R59-164**	PF01531	3/4"	Elbow Male 90° P X MPT
E	**R59-165**	PF01558	1"	Elbow Male 90° P X MPT
E	**R59-166**	PF01593	1-1/4"	Elbow Male 90° P X MPT
E	**R59-167**	PF01631	1-1/2"	Elbow Male 90° P X MPT
E	**R59-168**	PF01679	2"	Elbow Male 90° P X MPT
F	**R59-169**	PF10145	1/2"	Coupling With Stop P x P
F	**R59-170**	PF10146	3/4"	Coupling With Stop P x P
F	**R59-171**	PF10147	1"	Coupling With Stop P x P
F	**R59-172**	PF10148	1-1/4"	Coupling With Stop P x P
F	**R59-173**	PF10149	1-1/2"	Coupling With Stop P x P
F	**R59-174**	PF10150	2"	Coupling With Stop P x P
G	**R59-175**	PF01903	1/2"	Coupling No Stop P x P
G	**R59-176**	PF01905	3/4"	Coupling No Stop P x P
G	**R59-177**	PF01906	1"	Coupling No Stop P x P
G	**R59-178**	PF01907	1-1/4"	Coupling No Stop P x P
G	**R59-179**	PF01908	1-1/2"	Coupling No Stop P x P
G	**R59-180**	PF01909	2"	Coupling No Stop P x P
H	**R59-181**	PF01036	3/4" x 1/2"	Coupling Reducing P x P
H	**R59-182**	PF01051	1" x 1/2"	Coupling Reducing P x P

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Fig.	Order #	Mfg. #	Nom. Size	Description
H	**R59-183**	PF01049	1" x 3/4"	Coupling Reducing P x P
H	**R59-184**	PF01060	1-1/4" x 1/2"	Coupling Reducing P x P
H	**R59-185**	PF01058	1-1/4" x 3/4"	Coupling Reducing P x P
H	**R59-186**	PF01056	1-1/4" x 1"	Coupling Reducing P x P
H	**R59-187**	PF01069	1-1/2" x 1/2"	Coupling Reducing P x P
H	**R59-188**	PF01067	1-1/2" x 3/4"	Coupling Reducing P x P
H	**R59-189**	PF01065	1-1/2" x 1"	Coupling Reducing P x P
H	**R59-190**	PF01064	1-1/2" x 1-1/4"	Coupling Reducing P x P
H	**R59-191**	PF01079	2" x 1/2"	Coupling Reducing P x P
H	**R59-192**	PF01077	2" x 3/4"	Coupling Reducing P x P
H	**R59-193**	PF01075	2" x 1"	Coupling Reducing P x P
H	**R59-194**	PF01074	2" x 1-1/4"	Coupling Reducing P x P
H	**R59-195**	PF01073	2" x 1-1/2"	Coupling Reducing P x P
I	**R59-196**	PF01950	1/2"	Coupling No Stop Extended P x P
I	**R59-197**	PF01952	3/4"	Coupling No Stop Extended P x P
I	**R59-198**	PF01955	1"	Coupling No Stop Extended P x P
I	**R59-199**	PF01956	1-1/4"	Coupling No Stop Extended P x P
I	**R59-200**	PF01957	1-1/2"	Coupling No Stop Extended P x P
I	**R59-201**	PF01958	2"	Coupling No Stop Extended P x P
J	**R59-202**	PF01326	3/4" x 1/2"	Reducer FTG x P
J	**R59-203**	PF01339	1" x 1/2"	Reducer FTG x P
J	**R59-204**	PF01337	1" x 3/4"	Reducer FTG x P
J	**R59-205**	PF01347	1-1/4" x 1/2"	Reducer FTG x P
J	**R59-206**	PF01345	1-1/4" x 3/4"	Reducer FTG x P
J	**R59-207**	PF01343	1-1/4" x 1"	Reducer FTG x P
J	**R59-208**	PF01355	1-1/2" x 1/2"	Reducer FTG x P
J	**R59-209**	PF01353	1-1/2" x 3/4"	Reducer FTG x P
J	**R59-210**	PF01351	1-1/2" x 1"	Reducer FTG x P
J	**R59-211**	PF01350	1-1/2" x 1-1/4"	Reducer FTG x P
J	**R59-212**	PF01364	2" x 1/2"	Reducer FTG x P
J	**R59-213**	PF01362	2" x 3/4"	Reducer FTG x P
J	**R59-214**	PF01360	2" x 1"	Reducer FTG x P
J	**R59-215**	PF01359	2" x 1-1/4"	Reducer FTG x P
J	**R59-216**	PF01358	2" x 1-1/2"	Reducer FTG x P
K	**R59-217**	PF01231	1/2"	Adapter Female P x FPT
K	**R59-218**	PF01246	3/4"	Adapter Female P x FPT
K	**R59-219**	PF01263	1"	Adapter Female P x FPT
K	**R59-220**	PF01271	1-1/4"	Adapter Female P x FPT
K	**R59-221**	PF01279	1-1/2"	Adapter Female P x FPT
K	**R59-222**	PF01287	2"	Adapter Female P x FPT
L	**R59-223**	PF01232	1-2" x 3/8"	Adapter Female Reducing P x FPT
L	**R59-224**	PF01230	1/2" x 3/4"	Adapter Female Reducing P x FPT
L	**R59-225**	PF01247	3/4" x 1/2"	Adapter Female Reducing P x FPT
L	**R59-226**	PF01265	1" x 1/2"	Adapter Female Reducing P x FPT
L	**R59-227**	PF01264	1" x 3/4"	Adapter Female Reducing P x FPT
L	**R59-228**	PF01261	1" x 1-1/4"	Adapter Female Reducing P x FPT
L	**R59-229**	PF01272	1-1/4" x 1"	Adapter Female Reducing P x FPT
L	**R59-230**	PF01270	1-1/4" x 1-1/2"	Adapter Female Reducing P x FPT
L	**R59-231**	PF01280	1-1/2" x 1-1/4"	Adapter Female Reducing P x FPT
M	**R59-232**	PF01131	1/2"	Adapter Male P x MPT
M	**R59-233**	PF01146	3/4"	Adapter Male P x MPT
M	**R59-234**	PF01163	1"	Adapter Male P x MPT
M	**R59-235**	PF01171	1-1/4"	Adapter Male P x MPT
M	**R59-236**	PF01179	1-1/2"	Adapter Male P x MPT
M	**R59-237**	PF01187	2"	Adapter Male P x MPT
N	**R59-238**	PF01132	1/2" x 3/8"	Adapter Male Reducing P x MPT
N	**R59-239**	PF01130	1/2" x 3/4"	Adapter Male Reducing P x MPT
N	**R59-240**	PF01147	3/4" x 1/2"	Adapter Male Reducing P x MPT
N	**R59-241**	PF01145	3/4" x 1"	Adapter Male Reducing P x MPT
N	**R59-242**	PF01164	1" x 3/4"	Adapter Male Reducing P x MPT
N	**R59-243**	PF01162	1" x 1-1/4"	Adapter Male Reducing P x MPT
N	**R59-244**	PF01172	1-1/4" x 1"	Adapter Male Reducing P x MPT
N	**R59-245**	PF01170	1-1/4" x 1-1/2"	Adapter Male Reducing P x MPT
N	**R59-246**	PF01180	1-1/2" x 1-1/4"	Adapter Male Reducing P x MPT
N	**R59-247**	PF01178	1-1/2" x 2"	Adapter Male Reducing P x MPT
N	**R59-248**	PF01188	2" x 1-1/2"	Adapter Male Reducing P x MPT
O	**R59-249**	PF04006	1/2"	Tee P x P x P
O	**R59-250**	PF04031	3/4"	Tee P x P x P
O	**R59-251**	PF04048	1"	Tee P x P x P
O	**R59-252**	PF04068	1-1/4"	Tee P x P x P
O	**R59-253**	PF04084	1-1/2"	Tee P x P x P
O	**R59-254**	PF40102	2"	Tee P x P x P
P	**R59-255**	PF04047	1/2" x 1/2" x 3/4"	Tee Reducing P x P x P
P	**R59-256**	PF04067	1/2" x 1/2" x 1"	Tee Reducing P x P x P
P	**R59-257**	PF04043	3/4" x 1/2" x 1/2"	Tee Reducing P x P x P
P	**R59-258**	PF04033	3/4" x 3/4" x 1/2"	Tee Reducing P x P x P
P	**R59-259**	PF04041	3/4" x 1/2" x 3/4"	Tee Reducing P x P x P
P	**R59-260**	PF04065	3/4" x 3/4" x 1"	Tee Reducing P x P x P
P	**R59-261**	PF04062	1" x 1/2' x 3/4"	Tee Reducing P x P x P
P	**R59-262**	PF04061	1" x 1/2' x 1"	Tee Reducing P x P x P
P	**R59-263**	PF04058	1" x 3/4" x 1/2"	Tee Reducing P x P x P
P	**R59-264**	PF04056	1" x 3/4" x 3/4"	Tee Reducing P x P x P
P	**R59-265**	PF04055	1" x 3/4" x 1/2"	Tee Reducing P x P x P
P	**R59-266**	PF04051	1" x 1" x 1/2"	Tee Reducing P x P x P
P	**R59-267**	PF04049	1" x 1" x 3/4"	Tee Reducing P x P x P
P	**R59-268**	PF04082	1" x 1" x 1-1/4"	Tee Reducing P x P x P
P	**R59-269**	PF04083	1-1/4" x 1/2" x 1-1/4"	Tee Reducing P x P x P
P	**R59-270**	PF04081	1-1/4' x 3/4' x 1-1/4"	Tee Reducing P x P x P
P	**R59-271**	PF04080	1-1/4" x 3/4" x 3/4"	Tee Reducing P x P x P
P	**R59-272**	PF04079	1-1/4" x 3/4" x 1"	Tee Reducing P x P x P
P	**R59-273**	PF04078	1-1/4" x 3/4" x 1-1/4"	Tee Reducing P x P x P
P	**R59-274**	PF04076	1-1/4" x 1" x 1/2"	Tee Reducing P x P x P
P	**R59-275**	PF04075	1-1/4" x 1" x 3/4"	Tee Reducing P x P x P
P	**R59-276**	PF04074	1-1/4" x 1" x 1"	Tee Reducing P x P x P
P	**R59-277**	PF04073	1-1/4" x 1" x 1-1/4"	Tee Reducing P x P x P
P	**R59-278**	PF04071	1-1/4" x 1-1/4" x 1/2"	Tee Reducing P x P x P
P	**R59-279**	PF04070	1-1/4" x 1-1/4" x 3/4"	Tee Reducing P x P x P
P	**R59-280**	PF04069	1-1/4" x 1-1/4" x 1"	Tee Reducing P x P x P
P	**R59-281**	PF40244	1-1/2" x 1/2" x 1-1/2"	Tee Reducing P x P x P
P	**R59-282**	PF40238	1-1/2" x 3/4" x 3/4"	Tee Reducing P x P x P
P	**R59-283**	PF04098	1-1/2" x 1" x 3/4"	Tee Reducing P x P x P
P	**R59-284**	PF04097	1-1/2" x 1" x 1"	Tee Reducing P x P x P
P	**R59-285**	PF04095	1-1/2" x 1" x 1-1/2"	Tee Reducing P x P x P
P	**R59-286**	PF04093	1-1/2" x 1-1/4" x 3/4"	Tee Reducing P x P x P
P	**R59-287**	PF04092	1-1/2" x 1-1/4" x 1"	Tee Reducing P x P x P
P	**R59-288**	PF04091	1-1/2" x 1-1/4" x 1-1/4"	Tee Reducing P x P x P
P	**R59-289**	PF04088	1-1/2" x 1-1/2" x 1/2"	Tee Reducing P x P x P
P	**R59-290**	PF04087	1-1/2" x 1-1/2" x 3/4"	Tee Reducing P x P x P
P	**R59-291**	PF04086	1-1/2" x 1-1/2" x 1"	Tee Reducing P x P x P
P	**R59-292**	PF04085	1-1/2" x 1-1/2" x 1-1/4"	Tee Reducing P x P x P
P	**R59-293**	PF40249	2" x 1/2" x 2"	Tee Reducing P x P x P
P	**R59-294**	PF40248	2" x 3/4" x 2"	Tee Reducing P x P x P
P	**R59-295**	PF40247	2" x 1" x 1"	Tee Reducing P x P x P
P	**R59-296**	PF40245	2" x 1" x 2"	Tee Reducing P x P x P
P	**R59-297**	PF40117	2" x 1-1/4" x 1-1/4"	Tee Reducing P x P x P
P	**R59-298**	PF40113	2" x 1-1/2" x 3/4"	Tee Reducing P x P x P
P	**R59-299**	PF40112	2" x 1-1/2" x 1"	Tee Reducing P x P x P
P	**R59-300**	PF40111	2" x 1-1/2" x 1-1/4"	Tee Reducing P x P x P
P	**R59-301**	PF40110	2" x 1-1/2" x 1-1/2"	Tee Reducing P x P x P
P	**R59-302**	PF40109	2" x 1-1/2" x 2"	Tee Reducing P x P x P
P	**R59-303**	PF40107	2" x 2" x 1/2"	Tee Reducing P x P x P
P	**R59-304**	PF40106	2" x 2" x 3/4"	Tee Reducing P x P x P
P	**R59-305**	PF40105	2" x 2" x 1"	Tee Reducing P x P x P
P	**R59-306**	PF40104	2" x 2" x 1-1/4"	Tee Reducing P x P x P
P	**R59-307**	PF40103	2" x 2" x 1-1/2"	Tee Reducing P x P x P
Q	**R59-308**	PF01512	1/2"	Tee P x P x FPT
Q	**R59-309**	PF01538	3/4"	Tee P x P x FPT
Q	**R59-310**	PF01569	1"	Tee P x P x FPT
Q	**R59-311**	PF01607	1-1/4"	Tee P x P x FPT
Q	**R59-312**	PF01644	1-1/2"	Tee P x P x FPT
R	**R59-313**	PF02577	3/4" x 3/4" x 1/4"	Tee Reducing P x P x FPT
R	**R59-314**	PF01539	3/4" x 3/4" x 1/2"	Tee Reducing P x P x FPT
R	**R59-315**	PF01570	1" x 1" x 1/2"	Tee Reducing P x P x FPT
R	**R59-316**	PF01572	1" x 1" x 3/4"	Tee Reducing P x P x FPT
R	**R59-317**	PF01613	1-1/4" x 1-1/4" x 1/2"	Tee Reducing P x P x FPT
R	**R59-318**	PF02654	1-1/4" x 1-1/4" x 3/4"	Tee Reducing P x P x FPT
R	**R59-319**	PF01645	1-1/2" x 1-1/2" x 1/2"	Tee Reducing P x P x FPT
R	**R59-320**	PF02673	1-1/2" x 1-1/2" x 3/4"	Tee Reducing P x P x FPT

continued on next page

Fig.	Order #	Mfg. #	Nom. Size	Description
R	**R59-321**	PF01699	2" x 2" x 1/2"	Tee Reducing P x P x FPT
R	**R59-322**	PF02706	2" x 2" x 3/4"	Tee Reducing P x P x FPT
S	**R59-323**	PF07007	1/2"	Cap P
S	**R59-324**	PF07009	3/4"	Cap P
S	**R59-325**	PF07011	1"	Cap P
S	**R59-326**	PF07012	1-1/4"	Cap P
S	**R59-327**	PF07013	1-1/2"	Cap P
S	**R59-328**	PF07014	2"	Cap P
T	**R59-329**	PF11210	1/2"	Union Male Bronze P x MPT
T	**R59-330**	PF11211	3/4"	Union Male Bronze P x MPT

Fig.	Order #	Mfg. #	Nom. Size	Description
T	**R59-331**	PF11212	1"	Union Male Bronze P x MPT
T	**R59-332**	PF11213	1-1/4"	Union Male Bronze P x MPT
T	**R59-333**	PF11214	1-1/2"	Union Male Bronze P x MPT
T	**R59-334**	PF11215	2"	Union Male Bronze P x MPT
U	**R59-335**	117-723PV	1/2"	Ball Valve Bronse Lead Free
U	**R59-336**	117-724PV	3/4"	Ball Valve Bronse Lead Free
U	**R59-337**	117-725PV	1"	Ball Valve Bronse Lead Free
U	**R59-338**	117-726PV	1-1/4"	Ball Valve Bronse Lead Free
U	**R59-339**	117-727PV	1-1/2"	Ball Valve Bronse Lead Free
U	**R59-340**	117-728PV	2"	Ball Valve Bronse Lead Free

MUELLER STREAMLINE CO.

Carbon Steel Press Fittings

- Designed for use in gas and fuel/oil piping systems utilizing Schedule 10 to Schedule 40 carbon steel pipe
- Corrosion-resistant zinc-nickel coating
- HNBR engineered sealing element
- 420 stainless steel grip ring
- CuZn15 brass separator ring
- 125 PSI Max for fuel gas applications
- Temperature Range: -40°F to 180°F

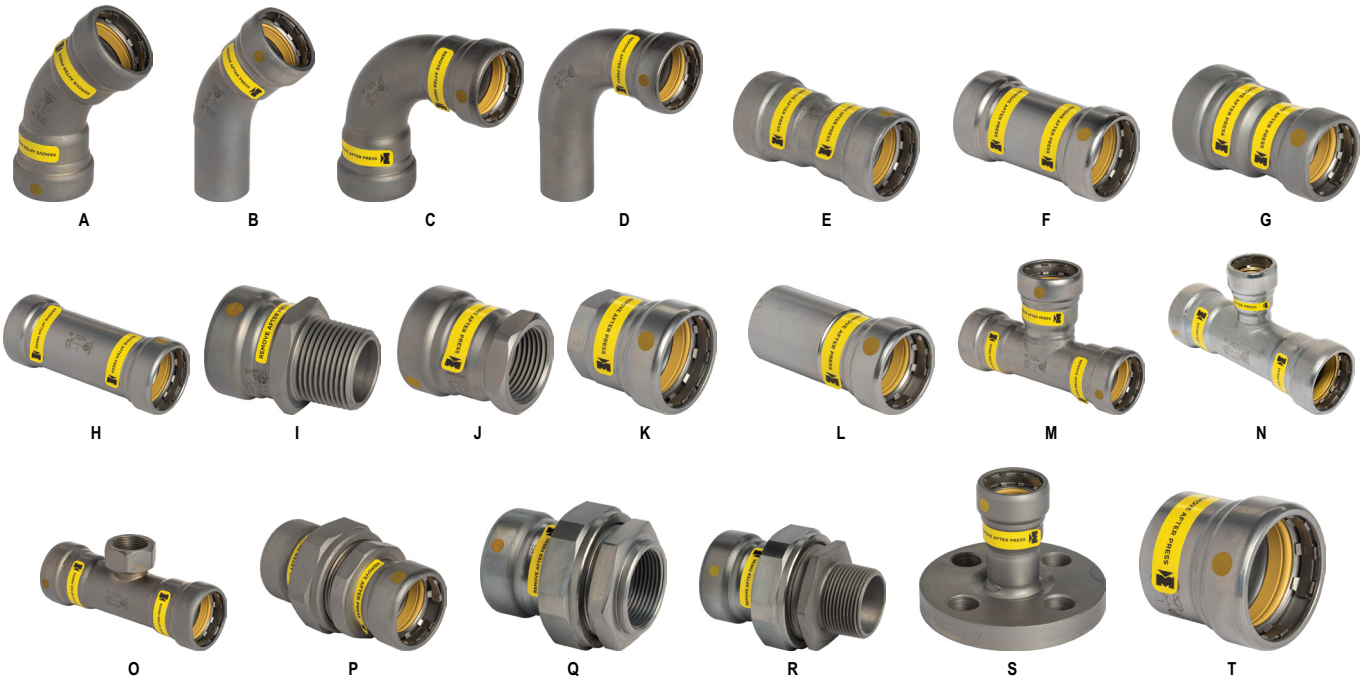

Fig.	Order #	Mfg. #	Nom. Size	Description
A	**R59-341**	CP03026G	1/2"	Elbow 45° P x P
A	**R59-342**	CP03034G	3/4"	Elbow 45° P x P
A	**R59-343**	CP03044G	1"	Elbow 45° P x P
A	**R59-344**	CP03050G	1-1/4"	Elbow 45° P x P
A	**R59-345**	CP03055G	1-1/2"	Elbow 45° P x P
A	**R59-346**	CP03059G	2"	Elbow 45° P x P
B	**R59-347**	CP03326G	1/2"	Elbow Street 45° FTG x P
B	**R59-348**	CP03334G	3/4"	Elbow Street 45° FTG x P
B	**R59-349**	CP03344G	1"	Elbow Street 45° FTG x P
B	**R59-350**	CP03350G	1-1/4"	Elbow Street 45° FTG x P
B	**R59-351**	CP03355G	1-1/2"	Elbow Street 45° FTG x P
B	**R59-352**	CP03359G	2"	Elbow Street 45° FTG x P
C	**R59-353**	CP02722G	1/2"	Elbow Long Radius 90° P x P
C	**R59-354**	CP02734G	3/4"	Elbow Long Radius 90° P x P
C	**R59-355**	CP02747G	1"	Elbow Long Radius 90° P x P
C	**R59-356**	CP02055G	1-1/4"	Elbow Long Radius 90° P x P

Fig.	Order #	Mfg. #	Nom. Size	Description
C	**R59-357**	CP02063G	1-1/2"	Elbow Long Radius 90° P x P
C	**R59-358**	CP02072G	2"	Elbow Long Radius 90° P x P
D	**R59-359**	CP02822G	1/2"	Elbow Long Radius Street 90° FTG x P
D	**R59-360**	CP02834G	3/4"	Elbow Long Radius Street 90° FTG x P
D	**R59-361**	CP02847G	1"	Elbow Long Radius Street 90° FTG x P
D	**R59-362**	CP02350G	1-1/4"	Elbow Long Radius Street 90° FTG x P
D	**R59-363**	CP02355G	1-1/2"	Elbow Long Radius Street 90° FTG x P
D	**R59-364**	CP02359G	2"	Elbow Long Radius Street 90° FTG x P
E	**R59-365**	CP10145G	1/2"	Coupling With Stop P x P
E	**R59-366**	CP10146G	3/4"	Coupling With Stop P x P
E	**R59-367**	CP10147G	1"	Coupling With Stop P x P
E	**R59-368**	CP10148G	1-1/4"	Coupling With Stop P x P
E	**R59-369**	CP10149G	1-1/2"	Coupling With Stop P x P
E	**R59-370**	CP10150G	2"	Coupling With Stop P x P

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Fig.	Order #	Mfg. #	Nom. Size	Description
F	**R59-371**	CP01903G	1/2"	Coupling No Stop P x P
F	**R59-372**	CP01905G	3/4"	Coupling No Stop P x P
F	**R59-373**	CP01906G	1"	Coupling No Stop P x P
F	**R59-374**	CP01907G	1-1/4"	Coupling No Stop P x P
F	**R59-375**	CP01908G	1-1/2"	Coupling No Stop P x P
F	**R59-376**	CP01909G	2"	Coupling No Stop P x P
G	**R59-377**	CP01036G	3/4" x 1/2"	Coupling Reducing P x P
G	**R59-378**	CP01051G	1" x 1/2"	Coupling Reducing P x P
G	**R59-379**	CP01049G	1" x 3/4"	Coupling Reducing P x P
G	**R59-380**	CP01058G	1-1/4" x 3/4"	Coupling Reducing P x P
G	**R59-381**	CP01056G	1-1/4" x 1"	Coupling Reducing P x P
G	**R59-382**	CP01064G	1-1/2" x 1-1/4"	Coupling Reducing P x P
G	**R59-383**	CP01074G	2" x 1-1/4"	Coupling Reducing P x P
G	**R59-384**	CP01073G	2" x 1-1/2"	Coupling Reducing P x P
H	**R59-385**	CP01950G	1/2"	Coupling No Stop Extended P x P
H	**R59-386**	CP01952G	3/4"	Coupling No Stop Extended P x P
H	**R59-387**	CP01955G	1"	Coupling No Stop Extended P x P
H	**R59-388**	CP01956G	1-1/4"	Coupling No Stop Extended P x P
H	**R59-389**	CP01957G	1-1/2"	Coupling No Stop Extended P x P
H	**R59-390**	CP01958G	2"	Coupling No Stop Extended P x P
I	**R59-391**	CP01131G	1/2"	Adapter Male P x MPT
I	**R59-392**	CP01146G	3/4"	Adapter Male P x MPT
I	**R59-393**	CP01163G	1"	Adapter Male P x MPT
I	**R59-394**	CP01171G	1-1/4"	Adapter Male P x MPT
I	**R59-395**	CP01179G	1-1/2"	Adapter Male P x MPT
I	**R59-396**	CP01187G	2"	Adapter Male P x MPT
J	**R59-397**	CP01231G	1/2"	Adapter Female P x FPT
J	**R59-398**	CP01246G	3/4"	Adapter Female P x FPT
J	**R59-399**	CP01263G	1"	Adapter Female P x FPT
J	**R59-400**	CP01271G	1-1/4"	Adapter Female P x FPT
J	**R59-401**	CP01279G	1-1/2"	Adapter Female P x FPT
J	**R59-402**	CP01287G	2"	Adapter Female P x FPT
K	**R59-403**	CP01247G	3/4" x 1/2"	Adapter Female Reducing P x FPT
K	**R59-404**	CP01265G	1" x 1/2"	Adapter Female Reducing P x FPT
K	**R59-405**	CP01264G	1" x 3/4"	Adapter Female Reducing P x FPT
K	**R59-406**	CP01268G	1-1/4" x 1/2"	Adapter Female Reducing P x FPT
K	**R59-407**	CP01269G	1-1/4" x 3/4"	Adapter Female Reducing P x FPT
K	**R59-408**	CP01272G	1-1/4" x 1"	Adapter Female Reducing P x FPT
K	**R59-409**	CP01276G	1-1/2" x 1/2"	Adapter Female Reducing P x FPT
K	**R59-410**	CP01277G	1-1/2" x 3/4"	Adapter Female Reducing P x FPT
K	**R59-411**	CP11279G	1-1/2" x 1"	Adapter Female Reducing P x FPT
K	**R59-412**	CP01280G	1-1/2" x 1-1/4"	Adapter Female Reducing P x FPT
K	**R59-413**	CP01283G	2" x 1/2"	Adapter Female Reducing P x FPT
K	**R59-414**	CP01284G	2" x 3/4"	Adapter Female Reducing P x FPT
K	**R59-415**	CP01285G	2" x 1"	Adapter Female Reducing P x FPT
K	**R59-416**	CP01286G	2" x 1-1/4"	Adapter Female Reducing P x FPT
K	**R59-417**	CP01288G	2" x 1-1/2"	Adapter Female Reducing P x FPT
L	**R59-418**	CP01326G	3/4" x 1/2"	Reducer FTG x P
L	**R59-419**	CP01339G	1" x 1/2"	Reducer FTG x P
L	**R59-420**	CP01337G	1" x 3/4"	Reducer FTG x P
L	**R59-421**	CP01343G	1-1/4" x 1"	Reducer FTG x P
L	**R59-422**	CP01353G	1-1/2" x 3/4"	Reducer FTG x P
L	**R59-423**	CP01351G	1-1/2" x 1"	Reducer FTG x P
L	**R59-424**	CP01350G	1-1/2" x 1-1/4"	Reducer FTG x P
L	**R59-425**	CP01360G	2" x 1"	Reducer FTG x P
L	**R59-426**	CP01359G	2" x 1-1/4"	Reducer FTG x P
L	**R59-427**	CP01358G	2" x 1-1/2"	Reducer FTG x P
M	**R59-428**	CP04006G	1/2"	Tee P x P x P
M	**R59-429**	CP04031G	3/4"	Tee P x P x P
M	**R59-430**	CP04048G	1"	Tee P x P x P
M	**R59-431**	CP04068G	1-1/4"	Tee P x P x P
M	**R59-432**	CP04084G	1-1/2"	Tee P x P x P
M	**R59-433**	CP40102G	2"	Tee P x P x P
N	**R59-434**	CP04033G	3/4" x 3/4" x 1/2"	Tee Reducing P x P x P
N	**R59-435**	CP04051G	1" x 1" x 1/2"	Tee Reducing P x P x P
N	**R59-436**	CP04049G	1" x 1" x 3/4"	Tee Reducing P x P x P
N	**R59-437**	CP04071G	1-1/4" x 1-1/4" x 1/2"	Tee Reducing P x P x P
N	**R59-438**	CP04070G	1-1/4" x 1-1/4" x 3/4"	Tee Reducing P x P x P
N	**R59-439**	CP04069G	1-1/4" x 1-1/4" x 1"	Tee Reducing P x P x P
N	**R59-440**	CP04088G	1-1/2" x 1-1/2" x 1/2"	Tee Reducing P x P x P
N	**R59-441**	CP04087G	1-1/2" x 1-1/2" x 3/4"	Tee Reducing P x P x P
N	**R59-442**	CP04086G	1-1/2" x 1-1/2" x 1"	Tee Reducing P x P x P
N	**R59-443**	CP04085G	1-1/2" x 1-1/2" x 1-1/4"	Tee Reducing P x P x P
N	**R59-444**	CP40107G	2" x 2" x 1/2"	Tee Reducing P x P x P
N	**R59-445**	CP40106G	2" x 2" x 3/4"	Tee Reducing P x P x P
N	**R59-446**	CP40105G	2" x 2" x 1"	Tee Reducing P x P x P
N	**R59-447**	CP40104G	2" x 2" x 1-1/4"	Tee Reducing P x P x P
N	**R59-448**	CP40103G	2" x 2" x 1-1/2"	Tee Reducing P x P x P
O	**R59-449**	CP01539G	3/4" x 3/4" x 1/2"	Tee Reducing P x P x FPT
O	**R59-450**	CP01538G	3/4" x 3/4" x 3/4"	Tee Reducing P x P x FPT
O	**R59-451**	CP01570G	1" x 1" x 1/2"	Tee Reducing P x P x FPT
O	**R59-452**	CP01572G	1" x 1" x 3/4"	Tee Reducing P x P x FPT
O	**R59-453**	CP01613G	1-1/4" x 1-1/4" x 1/2"	Tee Reducing P x P x FPT
O	**R59-454**	CP02654G	1-1/4" x 1-1/4" x 3/4"	Tee Reducing P x P x FPT
O	**R59-455**	CP02655G	1-1/4" x 1-1/4" x 1"	Tee Reducing P x P x FPT
O	**R59-456**	CP01645G	1-1/2" x 1-1/2" x 1/2"	Tee Reducing P x P x FPT
O	**R59-457**	CP02673G	1-1/2" x 1-1/2" x 3/4"	Tee Reducing P x P x FPT
O	**R59-458**	CP02688G	1-1/2" x 1-1/2" x 1"	Tee Reducing P x P x FPT
O	**R59-459**	CP02691G	1-1/2" x 1-1/2" x 1-1/4"	Tee Reducing P x P x FPT
O	**R59-460**	CP01699G	2" x 2" x 1/2"	Tee Reducing P x P x FPT
O	**R59-461**	CP02706G	2" x 2" x 3/4"	Tee Reducing P x P x FPT
O	**R59-462**	CP02703G	2" x 2" x 1"	Tee Reducing P x P x FPT
O	**R59-463**	CP02704G	2" x 2" x 1-1/4"	Tee Reducing P x P x FPT
O	**R59-464**	CP02705G	2" x 2" x1-1/2"	Tee Reducing P x P x FPT
P	**R59-465**	CP08003G	1/2"	Union P x P
P	**R59-466**	CP08004G	3/4"	Union P x P
P	**R59-467**	CP08005G	1"	Union P x P
P	**R59-468**	CP11205G	1-1/4"	Union P x P
P	**R59-469**	CP11206G	1-1/2"	Union P x P
P	**R59-470**	CP11207G	2"	Union P x P
Q	**R59-471**	CP11422G	1/2"	Union Female P x FTP
Q	**R59-472**	CP11423G	3/4"	Union Female P x FTP
Q	**R59-473**	CP11424G	1"	Union Female P x FTP
Q	**R59-474**	CP11425G	1-1/4"	Union Female P x FTP
Q	**R59-475**	CP11426G	1-1/2"	Union Female P x FTP
Q	**R59-476**	CP11427G	2"	Union Female P x FTP
R	**R59-477**	CP11210G	1/2"	Union Male P x MPT
R	**R59-478**	CP11211G	3/4"	Union Male P x MPT
R	**R59-479**	CP11212G	1"	Union Male P x MPT
R	**R59-480**	CP11213G	1-1/4"	Union Male P x MPT
R	**R59-481**	CP11214G	1-1/2"	Union Male P x MPT
R	**R59-482**	CP11215G	2"	Union Male P x MPT
S	**R59-483**	CP02881G	1/2"	Flange P x Flange
S	**R59-484**	CP04114G	3/4"	Flange P x Flange
S	**R59-485**	CP02933G	1"	Flange P x Flange
S	**R59-486**	CP03806G	1-1/4"	Flange P x Flange
S	**R59-487**	CP03907G	1-1/2"	Flange P x Flange
S	**R59-488**	CP02980G	2"	Flange P x Flange
T	**R59-489**	CP07007G	1/2"	Cap P
T	**R59-490**	CP07009G	3/4"	Cap P
T	**R59-491**	CP07011G	1"	Cap P
T	**R59-492**	CP07012G	1-1/4"	Cap P
T	**R59-493**	CP07013G	1-1/2"	Cap P
T	**R59-494**	CP07014G	2"	Cap P

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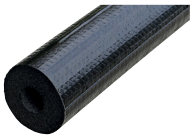


Titan™ Pipe Insulation Rolls

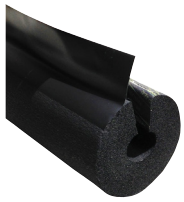
- Rolls of flexible elastomeric foam insulation with low thermal conductivity and high resistance to moisture vapor intrusion
- Durable polymeric jacket is resistant to UV and equipment maintenance
- Meets the outdoor exposure requirements of the 2012 / 2015 IECC Residential & Commercial Codes, plus it's ASTM E84 25/50 rated
- No field-applied protective coating or jacketing required
- Service temperature range: -70°F to +250°F

Order #	Mfg. #	Description	Wall Thickness	Copper Tube O.D.	I.D.	Color
B64-252	6RSRC048058EP	120'	1/2"	5/8"	5/8"	Black
B64-253	6RSRC048068EP	75'	1/2"	3/4"	3/4"	Black
B64-254	6RSRC048078EP	75'	1/2"	7/8"	7/8"	Black
B64-255	6RSRC048118EP	60'	1/2"	1-1/8"	1-1/8"	Black
B64-256	6RSRC068058EP	60'	3/4"	5/8"	5/8"	Black
B64-257	6RSRC068068EP	60'	3/4"	3/4"	3/4"	Black

Order #	Mfg. #	Description	Wall Thickness	Copper Tube O.D.	I.D.	Color
B64-258	6RSRC068078EP	50'	3/4"	7/8"	7/8"	Black
B64-259	6RSRC068118EP	40'	3/4"	1-1/8"	1-1/8"	Black
B64-260	6RSRC100058EP	40'	1"	5/8"	5/8"	Black
B64-261	6RSRC100068EP	35'	1"	3/4"	3/4"	Black
B64-262	6RSRC100078EP	30'	1"	7/8"	7/8"	Black
B64-263	6RSRC100118EP	25'	1"	1-1/8"	1-1/8"	Black

K-FLEX USA





Insul-Lock® & Insul-Lock® DS Pipe Insulation

- Pre-slit elastomeric insulation with pressure sensitive seam adhesive
- Sizes 1/2" wall thickness and larger are Insul-Lock® DS with a flexible PVC overlap tape with acrylic adhesive for doubled seam security
- Resists moisture vapor and controls condensation
- Operating temperature 6RLX: -70°F to +200°F
- Operating temperature 6RXLO: -40°F to +220°F
- Priced per 6' length
- ASTM E 84 25/50-tested according to UL 723

Order #	Mfg. #	Wall Thickness	Copper Tube O.D.	I.D.	Color	6' Lengths/ Carton	Wt. Lbs./ Carton
B74-602	6RXL038038	3/8"	3/8"	3/8"	Black	95	32.3
B73-066	6RXL038048	3/8"	1/2"	1/2"	Black	67	29
B73-067	6RXL038058	3/8"	5/8"	5/8"	Black	58	27
B73-068	6RXL038068	3/8"	3/4"	3/4"	Black	53	27
B73-069	6RXL038078	3/8"	7/8"	7/8"	Black	48	26
B73-070	6RXL038118	3/8"	1-1/8"	1-1/8"	Black	36	24
B77-567	6RXL038138	3/8"	1-3/8"	1-3/8"	Black	25	22
B77-568	6RXLO048038	1/2"	3/8"	3/8"	Black	70	30
B77-569	6RXLO048048	1/2"	1/2"	1/2"	Black	52	28
B73-071	6RXLO048058	1/2"	5/8"	5/8"	Black	52	31
B73-072	6RXLO048068	1/2"	3/4"	3/4"	Black	45	30
B73-073	6RXLO048078	1/2"	7/8"	7/8"	Black	36	29
B73-074	6RXLO048118	1/2"	1-1/8"	1-1/8"	Black	25	24
B73-075	6RXLO048138	1/2"	1-3/8"	1-3/8"	Black	20	26
B73-672	6RXLO048158	1/2"	1-5/8"	1-5/8"	Black	18	24
B77-570	6RXLO048218	1/2"	2-1/8"	2-1/8"	Black	17	28
B77-571	6RXLO048258	1/2"	2-5/8"	2-5/8"	Black	10	25
B77-572	6RXLO048318	1/2"	3-1/8"	3-1/8"	Black	8	25
B77-573	6RXLO048358	1/2"	3-5/8"	3-5/8"	Black	6	22
B77-574	6RXLO068038	3/4"	3/8"	3/8"	Black	38	31
B77-575	6RXLO068048	3/4"	1/2"	1/2"	Black	32	28
B77-576	6RXLO068058	3/4"	5/8"	5/8"	Black	30	33
B77-577	6RXLO068068	3/4"	3/4"	3/4"	Black	20	33
B77-578	6RXLO068078	3/4"	7/8"	7/8"	Black	21	28
B77-579	6RXLO068118	3/4"	1-1/8"	1-1/8"	Black	15	26
B77-580	6RXLO068138	3/4"	1-3/8"	1-3/8"	Black	13	26
B77-581	6RXLO068158	3/4"	1-5/8"	1-5/8"	Black	12	25
B77-582	6RXLO068218	3/4"	2-1/8"	2-1/8"	Black	10	31
B77-583	6RXLO068258	3/4"	2-5/8"	2-5/8"	Black	7	24

Order #	Mfg. #	Wall Thickness	Copper Tube O.D.	I.D.	Color	6' Lengths/ Carton	Wt. Lbs./ Carton
B77-584	6RXLO068318	3/4"	3-1/8"	3-1/8"	Black	6	25
B77-585	6RXLO068358	3/4"	3-5/8"	3-5/8"	Black	5	23
B77-586	6RXLO100058	1"	5/8"	5/8"	Black	18	31
B77-587	6RXLO100068	1"	3/4"	3/4"	Black	13	26
B77-588	6RXLO100078	1"	7/8"	7/8"	Black	13	37
B77-589	6RXLO100118	1"	1-1/8"	1-1/8"	Black	11	27
B77-590	6RXLO100138	1"	1-3/8"	1-3/8"	Black	10	29
B77-591	6RXLO100158	1"	1-5/8"	1-5/8"	Black	7	22
B77-592	6RXLO100218	1"	2-1/8"	2-1/8"	Black	7	27
B77-593	6RXLO100258	1"	2-5/8"	2-5/8"	Black	6	25
B77-594	6RXLO100318	1"	3-1/8"	3-1/8"	Black	5	26
B77-595	6RXLO100358	1"	3-5/8"	3-5/8"	Black	5	31
B77-596	6RXLO148048	1-1/2"	1/2"	1/2"	Black	8	20
B77-597	6RXLO148058	1-1/2"	5/8"	5/8"	Black	8	25
B77-598	6RXLO148078	1-1/2"	7/8"	7/8"	Black	8	26
B77-599	6RXLO148118	1-1/2"	1-1/8"	1-1/8"	Black	6	21
B77-600	6RXLO148138	1-1/2"	1-3/8"	1-3/8"	Black	6	21
B77-601	6RXLO148158	1-1/2"	1-5/8"	1-5/8"	Black	6	23
B77-602	6RXLO148218	1-1/2"	2-1/8"	2-1/8"	Black	5	23
B77-603	6RXLO148238	1-1/2"	2-3/8"	2-3/8"	Black	5	24
B77-604	6RXLO148318	1-1/2"	3-1/8"	3-1/8"	Black	3	19
B77-605	6RXLO200058	2"	5/8"	5/8"	Black	6	23
B77-606	6RXLO200078	2"	7/8"	7/8"	Black	5	22
B77-607	6RXLO200118	2"	1-1/8"	1-1/8"	Black	5	23
B77-608	6RXLO200138	2"	1-3/8"	1-3/8"	Black	5	24
B77-609	6RXLO200158	2"	1-5/8"	1-5/8"	Black	4	21
B77-610	6RXLO200218	2"	2-1/8"	2-1/8"	Black	3	19
B77-611	6RXLO200238	2"	2-3/8"	2-3/8"	Black	3	19
B77-612	6RXLO200318	2"	3-1/8"	3-1/8"	Black	2	15

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WE'RE THE EXPERTS YOU COUNT ON.

- Products you need, including hard to find specialty parts
- Service and support
- Delivery options to get you back on the road
- Technology to help you on the job
- Training to keep you competitive

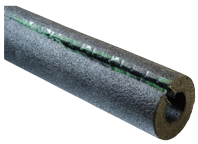


BETTER SERVICE & LOCAL SUPPORT WITH GLOBAL PARTNERS

THAT'S THE POWER OF

JOHNSTONE™

armacell advanced insulation



Tubolit® SS (Self-Seal) Polyethylene Pipe Insulation

- Black flexible polyethylene pipe insulation for domestic heating and plumbing lines
- Reduces heat loss on hot water plumbing and heat gain on cold-water plumbing systems from 0°F to 180°F
- Self-seal pre-glued seam for easy installation
- Meets ASTM E-84, 25/50 flame and smoke
- Priced per 6' lengths

Order #	Mfg. #	Wall Thickness	Copper Tube O.D.	I.D.	6' Lengths/ Carton	Wt. Lbs./ Carton
B94-758	DGS03838	3/8"	3/8"	3/8"	90	10.6
B94-759	DGS01238	3/8"	1/2"	1/2"	76	10.8
B94-760	DGS05838	3/8"	5/8"	5/8"	66	11.0
B94-761	DGS03438	3/8"	3/4"	3/4"	50	9.4
B94-762	DGS07838	3/8"	7/8"	7/8"	46	9.6
B94-763	DGS11838	3/8"	1-1/8"	1-1/8"	37	9.3

Order #	Mfg. #	Wall Thickness	Copper Tube O.D.	I.D.	6' Lengths/ Carton	Wt. Lbs./ Carton
B94-764	DGS05812	1/2"	5/8"	5/8"	50	10.8
B94-765	DGS03412	1/2"	3/4"	3/4"	44	11.5
B94-766	DGS07812	1/2"	7/8"	7/8"	40	12.3
B94-767	DGS11812	1/2"	1-1/8"	1-1/8"	31	12.1
B94-768	DGS13812	1/2"	1-3/8"	1-3/8"	25	11.4

K-FLEX USA



Insul-Tube® Pipe Insulation

- High quality, closed cell type
- For HVACR and plumbing applications
- Retards heat gain and prevents condensation or frost formation on cold water plumbing, chilled water and refrigeration suction lines
- Meets ASTM E-84, 25/50 flame and smoke
- Operating temperature: -297°F to +220°F
- Non-slit, rubber base, 6' lengths
- Priced per 6' length
- White available online

Order #	Mfg. #	Wall Thickness	Copper Tube O.D.	I.D.	Color	6' Lengths/ Carton	Wt. Lbs./ Carton
B98-815	6RX038028	3/8"	1/4"	1/4"	Black	105	33
B92-123	6RX038038	3/8"	3/8"	3/8"	Black	102	32
B92-124	6RX038048	3/8"	1/2"	1/2"	Black	72	29
B92-125	6RX038058	3/8"	5/8"	5/8"	Black	63	27
B92-126	6RX038068	3/8"	3/4"	3/4"	Black	57	27
B92-127	6RX038078	3/8"	7/8"	7/8"	Black	48	26
B92-128	6RX038118	3/8"	1-1/8"	1-1/8"	Black	36	25
B92-129	6RX038138	3/8"	1-3/8"	1-3/8"	Black	28	22
B99-581	6RX048028	1/2"	1/4"	1/4"	Black	85	30
B92-130	6RX048038	1/2"	3/8"	3/8"	Black	76	30
B92-131	6RX048048	1/2"	1/2"	1/2"	Black	60	28
B92-132	6RX048058	1/2"	5/8"	5/8"	Black	54	31
B92-133	6RX048068	1/2"	3/4"	3/4"	Black	45	30
B92-134	6RX048078	1/2"	7/8"	7/8"	Black	38	29
B92-135	6RX048118	1/2"	1-1/8"	1-1/8"	Black	26	24
B92-136	6RX048138	1/2"	1-3/8"	1-3/8"	Black	20	26
B92-407	6RX048158	1/2"	1-5/8"	1-5/8"	Black	19	24
B92-408	6RX048218	1/2"	2-1/8"	2-1/8"	Black	17	28
B92-536	6RX048258	1/2"	2-5/8"	2-5/8"	Black	10	25
B92-537	6RX048318	1/2"	3-1/8"	3-1/8"	Black	8	25
B99-546	6RX048358	1/2"	3-5/8"	3-5/8"	Black	6	22
B60-833	6RX068028	3/4"	1/4"	1/4"	Black	40	14
B99-547	6RX068038	3/4"	3/8"	3/8"	Black	38	31
B99-548	6RX068048	3/4"	1/2"	1/2"	Black	38	28
B99-549	6RX068058	3/4"	5/8"	5/8"	Black	30	33
B97-201	6RX068068	3/4"	3/4"	3/4"	Black	24	39
B92-538	6RX068078	3/4"	7/8"	7/8"	Black	21	28
B92-539	6RX068118	3/4"	1-1/8"	1-1/8"	Black	15	26
B92-540	6RX068138	3/4"	1-3/8"	1-3/8"	Black	13	26
B92-541	6RX068158	3/4"	1-5/8"	1-5/8"	Black	12	25
B92-542	6RX068218	3/4"	2-1/8"	2-1/8"	Black	10	31
B93-493	6RX068258	3/4"	2-5/8"	2-5/8"	Black	7	24

Order #	Mfg. #	Wall Thickness	Copper Tube O.D.	I.D.	Color	6' Lengths/ Carton	Wt. Lbs./ Carton
B93-494	6RX068318	3/4"	3-1/8"	3-1/8"	Black	6	25
B99-582	6RX068358	3/4"	3-5/8"	3-5/8"	Black	5	23
B61-422	6RX100038	1"	3/8"	3/8"	Black	20	15
B77-566	6RX100048	1"	1/2"	1/2"	Black	19	20
B93-666	6RX100058	1"	5/8"	5/8"	Black	18	31
B99-239	6RX100068	1"	3/4"	3/4"	Black	18	17
B93-710	6RX100078	1"	7/8"	7/8"	Black	15	37
B93-711	6RX100118	1"	1-1/8"	1-1/8"	Black	11	27
B93-712	6RX100138	1"	1-3/8"	1-3/8"	Black	10	29
B93-713	6RX100158	1"	1-5/8"	1-5/8"	Black	9	22
B93-714	6RX100218	1"	2-1/8"	2-1/8"	Black	7	27
B93-715	6RX100258	1"	2-5/8"	2-5/8"	Black	6	25
B93-716	6RX100318	1"	3-1/8"	3-1/8"	Black	5	26
B99-583	6RX100358	1"	3-5/8"	3-5/8"	Black	5	31
B75-802	6RX148048	1-1/2"	1/2"	1/2"	Black	8	20
B75-803	6RX148058	1-1/2"	5/8"	5/8"	Black	8	25
B64-334	6RX148068	1-1/2"	3/4"	3/4"	Black	8	20
B75-804	6RX148078	1-1/2"	7/8"	7/8"	Black	8	26
B75-805	6RX148118	1-1/2"	1-1/8"	1-1/8"	Black	6	21
B75-806	6RX148138	1-1/2"	1-3/8"	1-3/8"	Black	6	21
B75-807	6RX148158	1-1/2"	1-5/8"	1-5/8"	Black	6	23
B75-808	6RX148218	1-1/2"	2-1/8"	2-1/8"	Black	5	23
B75-809	6RX148238	1-1/2"	2-3/8"	2-3/8"	Black	5	24
B75-810	6RX148318	1-1/2"	3-1/8"	3-1/8"	Black	3	19
B75-811	6RX200058	2"	5/8"	5/8"	Black	6	23
B75-812	6RX200078	2"	7/8"	7/8"	Black	5	22
B75-813	6RX200118	2"	1-1/8"	1-1/8"	Black	5	23
B75-814	6RX200138	2"	1-3/8"	1-3/8"	Black	5	24
B75-815	6RX200158	2"	1-5/8"	1-5/8"	Black	4	21
B75-816	6RX200218	2"	2-1/8"	2-1/8"	Black	3	19
B75-817	6RX200238	2"	2-3/8"	2-3/8"	Black	3	19
B75-818	6RX200318	2"	3-1/8"	3-1/8"	Black	2	15

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Titan™ Pipe Insulation

K-FLEX USA

- Flexible elastomeric foam insulation with low thermal conductivity and high resistance to moisture vapor intrusion
- Durable polymeric jacket is resistant to UV and equipment maintenance
- Meets the outdoor exposure requirements of the 2012 / 2015 IECC Residential & Commercial Codes, plus it's ASTM E84 25/50 rated
- No field-applied protective coating or jacketing required
- Service temperature range: -70°F to +250°F
- Priced per 6' length



Order #	Mfg. #	Wall Thickness	Copper Tube O.D.	I.D.	Color	6' Lengths/ Carton	Wt. Lbs./ Carton
B60-614	6RSR048048	1/2"	1/2"	1/2"	Black	60	64
B60-615	6RSR048058	1/2"	5/8"	5/8"	Black	54	63
B60-616	6RSR048068	1/2"	3/4"	3/4"	Black	45	57
B60-617	6RSR048078	1/2"	7/8"	7/8"	Black	38	53
B60-618	6RSR048118	1/2"	1-1/8"	1-1/8"	Black	26	42
B60-619	6RSR048138	1/2"	1-3/8"	1-3/8"	Black	20	37
B60-620	6RSR048158	1/2"	1-5/8"	1-5/8"	Black	19	24
B60-621	6RSR048200	1/2"	2"	2"	Black	19	27
B60-622	6RSR048218	1/2"	2-1/8"	2-1/8"	Black	17	28
B60-623	6RSR048238	1/2"	2-3/8"	2-3/8"	Black	11	24
B60-624	6RSR048258	1/2"	2-5/8"	2-5/8"	Black	10	25
B60-625	6RSR048278	1/2"	2-7/8"	2-7/8"	Black	8	22
B60-626	6RSR068048	3/4"	1/2"	1/2"	Black	38	57
B60-627	6RSR068058	3/4"	5/8"	5/8"	Black	30	48
B60-628	6RSR068068	3/4"	3/4"	3/4"	Black	24	43

Order #	Mfg. #	Wall Thickness	Copper Tube O.D.	I.D.	Color	6' Lengths/ Carton	Wt. Lbs./ Carton
B60-629	6RSR068078	3/4"	7/8"	7/8"	Black	21	40
B60-630	6RSR068118	3/4"	1-1/8"	1-1/8"	Black	15	34
B60-631	6RSR068138	3/4"	1-3/8"	1-3/8"	Black	13	32
B60-632	6RSR068158	3/4"	1-5/8"	1-5/8"	Black	12	32
B60-633	6RSR068200	3/4"	2"	2"	Black	11	25
B60-634	6RSR068218	3/4"	2-1/8"	2-1/8"	Black	10	31
B60-635	6RSR068238	3/4"	2-3/8"	2-3/8"	Black	8	27
B60-636	6RSR100048	1"	1/2"	1/2"	Black	19	37
B60-637	6RSR100058	1"	5/8"	5/8"	Black	18	38
B60-638	6RSR100068	1"	3/4"	3/4"	Black	18	40
B60-639	6RSR100078	1"	7/8"	7/8"	Black	15	35
B60-640	6RSR100118	1"	1-1/8"	1-1/8"	Black	11	30
B62-667	6RSR100138	1"	1-3/8"	1-3/8"	Black	10	32
B60-641	6RSR100158	1"	1-5/8"	1-5/8"	Black	9	22

AP Armaflex® Pipe Insulation

armacell advanced insulation

- Flexible elastometric thermal insulation
- High efficiency closed-cell structure retards the flow of moisture vapor
- Used to retard heat and control condensation drip from cold-water plumbing, chilled-water, and refrigeration lines
- Efficiently reduces heat flow for hot-water plumbing, liquid-heating, and dual-temperature piping
- Meets ASTM E-84, 25/50 flame and smoke
- Priced per 6' lengths
- White available online



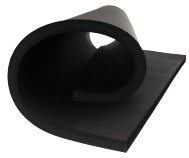
Order #	Mfg. #	Wall Thickness	Copper Tube O.D.	I.D.	Color	6' Lengths/ Carton	Wt. Lbs./ Carton
B94-723	APT03838	3/8"	3/8"	3/8"	Black	100	20
B94-724	APT01238	3/8"	1/2"	1/2"	Black	80	20
B94-725	APT05838	3/8"	5/8"	5/8"	Black	65	18
B94-726	APT03438	3/8"	3/4"	3/4"	Black	55	17
B94-727	APT07838	3/8"	7/8"	7/8"	Black	45	15
B94-728	APT11838	3/8"	1-1/8"	1-1/8"	Black	35	14
B94-729	APT13838	3/8"	1-3/8"	1-3/8"	Black	30	14
B94-730	APT03812	1/2"	3/8"	3/8"	Black	75	19
B94-731	APT01212	1/2"	1/2"	1/2"	Black	66	22
B94-732	APT05812	1/2"	5/8"	5/8"	Black	50	19
B94-733	APT03412	1/2"	3/4"	3/4"	Black	40	17
B94-734	APT07812	1/2"	7/8"	7/8"	Black	35	17
B94-735	APT11812	1/2"	1-1/8"	1-1/8"	Black	25	16
B94-736	APT13812	1/2"	1-3/8"	1-3/8"	Black	20	15
B94-737	APT15812	1/2"	1-5/8"	1-5/8"	Black	15	13
B94-738	APT21812	1/2"	2-1/8"	2-1/8"	Black	10	11
B94-739	APT25812	1/2"	2-5/8"	2-5/8"	Black	10	17

Order #	Mfg. #	Wall Thickness	Copper Tube O.D.	I.D.	Color	6' Lengths/ Carton	Wt. Lbs./ Carton
B94-740	APT31812	1/2"	3-1/8"	—	Black	7	15
B94-741	APT07834	3/4"	7/8"	7/8"	Black	20	20
B94-742	APT11834	3/4"	1-1/8"	1-1/8"	Black	15	18
B94-743	APT13834	3/4"	1-3/8"	1-3/8"	Black	12	15
B94-744	APT15834	3/4"	1-5/8"	1-5/8"	Black	10	14
B94-745	APT21834	3/4"	2-1/8"	2-1/8"	Black	9	15
B94-746	APT25834	3/4"	2-5/8"	2-5/8"	Black	8	16
B94-747	APT31834	3/4"	3-1/8"	3-1/8"	Black	6	13
B94-748	APT05810	1"	5/8"	5/8"	Black	20	20
B94-749	APT07810	1"	7/8"	7/8"	Black	15	19
B94-750	APT11810	1"	1-1/8"	1-1/8"	Black	12	20
B94-751	APT13810	1"	1-3/8"	1-3/8"	Black	10	19
B94-752	APT15810	1"	1-5/8"	1-5/8"	Black	8	17
B94-753	APT21810	1"	2-1/8"	2-1/8"	Black	6	15
B94-754	APT25810	1"	2-5/8"	2-5/8"	Black	6	17
B94-755	APT31810	1"	3-1/8"	3-1/8"	Black	5	13

Insul-Sheet® Sheet Insulation

K-FLEX USA

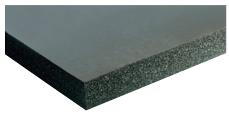
- For HVACR use to retard heat gain and prevent condensation or frost formation on components such as receivers, suction accumulators and chiller barrels; prevent refrigerant condensing during cold temperatures in oil separators; insulate duct work outside or in basements
- Installs quickly and easily
- Meets ASTM E-84, 25/50 flame and smoke
- Working temperature: -70°F to +220°F
- Priced per sheet



Order #	Wall Thickness	Dimensions	Sheets/Carton	Wt. Lbs./Carton
B92-593	1/2"	36" x 48"	12	26.5
B92-594	3/4"	36" x 48"	8	29.8

armacell advanced insulation

AP/Armaflex® Sheet Insulation



- Black flexible elastomeric thermal insulation sheets
- Protects HVACR components from temperature and moisture damage
- Meets ASTM E-84, 25/50 flame and smoke
- Priced per sheet

Order #	Wall Thickness	Dimensions	Sheets/Carton	Wt. Lbs./Carton
B94-756	1/2"	36" x 48"	12	22.5
B94-757	3/4"	36" x 48"	8	22.5

armacell advanced insulation

Armaflex® 520 Contact Adhesive



Hazardous Material Shipping Alert

- Air-drying contact adhesive for use with Armaflex® pipe and sheet insulation
- Three to five minute drying time under normal conditions
- Brush-top can

Order #	Mfg. #	Description
G80-236	AAD520002	1/2 Pint
G80-237	AAD520004	1 Pint

K-FLEX USA

K-Flex® 320 Contact Adhesive — Amber



- Air drying, solvent based neophene contact adhesive for use with Insul-Tube® and Insul-Sheet® insulation
- Two to four minute drying time under normal conditions

Order #	Mfg. #	Description
G22-964	948-32000	1/2 Pint
G89-991	916-32000	1 Pint

K-FLEX USA

374 Protective Coating



- Water based coating specially designed for application to elastomeric insulation surfaces
- Fast drying and white
- Offers UV resistance and is ideal for indoor and outdoor applications
- Can be applied by brush, roller or sprayed
- For best results two coats are recommended

Order #	Mfg. #	Description
G80-861	800-374-GAL	1 Gallon

armacell advanced insulation

WB Finish



- Water based latex enamel coating for use over all forms of Armaflex insulations
- Provides a clean, moisture resistant protective finish for both indoor and outdoor applications
- Its properties make it exceptionally durable and weather resistant to ultraviolet and ozone
- Formulated for cold weather and resistant to cracking
- Outdoor surfaces should be recoated every 2 to 4 years

Order #	Mfg. #	Description
G80-862	WBF8530005	1 Quart
G80-863	WBF8530006	1 Gallon

HARDCAST DUCT SEALANTS & INSULATION ADHESIVES

Seal-Tack Protective Coating



- Water based protective coating for line set insulation, duct liner and wrap
- Provides UV and weather resistance
- Brush, roller or spray application
- Excellent flexibility and dry to the touch in 30 minutes

Order #	Mfg. #	Description
G80-954	308609	1 Gallon
G80-955	308608	5 Gallon

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Line Set Insulation Wrap

HARDCAST DUCT SEALANTS & INSULATION ADHESIVES

- TPO UV and weather resistant insulation wrap with mastic sealant
- Proven roofing membrane technology
- Resists mechanical damage
- Immediate leak proof results
- Easy, fast application
- Includes scoring tool
- No dry time



Order #	Mfg. #	Color	Size	Mils
G80-952	326380	White	6" x 75'	22
G80-953	326381	White	9" x 75'	22

Premium Cork Insulation Tape

Parker

- Stops cold pipe dripping and insulates hot pipes up to 158°F
- Prevents water damage to walls, woodwork and furnishings
- Easy to apply; sticks to any dry surface



Order #	Mfg. #	Description	Dimensions	Each
G21-515	PT1	Cork Insulation Tape	1/8"T x 2"W x 30'L	**55.00**

Foam Insulation Tape

Parker

- Unicellular with a K-factor of 0.26 at 75°F
- Water vapor transmission rate of 0.07 perm
- Easy-to-use tape that quickly insulates closed cell pipe



Order #	Mfg. #	Description	Dimensions	Each
G89-930	K501	Foam Insulation Tape	1/8"T x 2"W x 30'L	**45.99**

Cork-Tite® Insulation Tape

Nu-Calgon

- Insulates cold pipes for all kinds of air conditioners used in cars, homes, freezers and refrigerators
- Ideal for retarding heat gain in cold pipes and preventing heat loss in hot pipes.
- Sticks to all kinds of dry metals
- Seals tightly without drying
- Flexible and does not shrink or melt within temperature range of -20°F to +200°F



Order #	Mfg. #	Description	Dimensions	Each
G80-606	4217-12	Cork Insulation Tape	1/8"T x 2"W x 30'L	**55.00**

Foam-Tite® Insulation Tape

Nu-Calgon

- Closed cell construction
- Insulates cold water lines, chilled water lines and refrigerant lines
- Temperature range of -15°F to +160°F
- Prevents sweating and condensation



Order #	Mfg. #	Description	Dimensions	Each
G80-607	4219-12	Foam Insulation Tape	1/8"T x 2"W x 30'L	**44.99**

Pipe-Dri™

Aerosol Insulation

Nu-Calgon

- Provides a moisture barrier to prevent sweating and dripping
- Can be used on refrigeration lines, air conditioning lines, and other cold surfaces
- 18 oz. aerosol can makes it possible to insulate hard to reach areas



Order #	Mfg. #	Each
G80-305	4297-76	**47.49**

Foam and Fill Insulation Foam

Red Devil

- Polyurethane foam sealant
- Insulates and seals out drafts, moisture and pests
- Fills holes, cracks, and gaps to form an airtight, waterproof bond
- For windows, doorframes, around pipes, vents, outlets, foundations, etc.
- Can be sanded, painted or stained once cured
- Achieves full expansion after one hour and fully cures after 24 hours
- Tack free in 15 minutes



Order #	Mfg. #	Description	Size	Each
G80-997	0913	Minimal Expanding	12 Oz.	**22.49**
G80-186	0909	Triple Expanding	12 Oz.	**22.49**
G80-187	0912	Triple Expanding	20 Oz.	**31.49**

CounterStrike® Corrugated Stainless Steel Gas Lines



- TracPipe with a special energy dissipating black jacket which helps protect the stainless steel pressure liner as well as other fuel gas system components if the CounterStrike becomes energized due to lightning
- Installs the same as conventional yellow TracPipe

Warning: Must be certified to purchase. Contact your local Johnstone Supply for details.

Order #	Mfg. #	Fitting Size	Length	Wt. Lbs.
R87-702	FGP-CS-375-100	3/8"	100'	17
R87-703	FGP-CS-375-250	3/8"	250'	37
R88-055	FGP-CS-500-25	1/2"	25'	5
R94-610	FGP-CS-500-50	1/2"	50'	14
R94-290	FGP-CS-500-100	1/2"	100'	24
R94-291	FGP-CS-500-250	1/2"	250'	52
R94-611	FGP-CS-500-500	1/2"	500'	98
R88-056	FGP-CS-750-25	3/4"	25'	6
R94-612	FGP-CS-750-50	3/4"	50'	18
R94-292	FGP-CS-750-100	3/4"	100'	31

Order #	Mfg. #	Fitting Size	Length	Wt. Lbs.
R94-293	FGP-CS-750-250	3/4"	250'	70
R88-057	FGP-CS-1000-25	1"	25'	9
R94-613	FGP-CS-100-50	1"	50'	22
R94-294	FGP-CS-100-100	1"	100'	40
R94-295	FGP-CS-100-180	1"	180'	70
R94-296	FGP-CS-125-150	1-1/4"	150'	78
R94-297	FGP-CS-125-250	1-1/4"	250'	129
R94-298	FGP-CS-150-150	1-1/2"	150'	103
R94-299	FGP-CS-150-250	1-1/2"	250'	182
R94-300	FGP-CS-200-150	2"	150'	137

TracPipe® PSII Underground Corrugated Stainless Steel Gas Lines



- Sleeved in a fully vent-capable polyethylene sleeve for underground or areas where sleeved piping is desired
- Eliminates on-site labor of pulling TracPipe through polyethylene conduit
- Protects underground installations in accordance with plumbing and mechanical codes
- Better suited than rigid pipe to withstand ground settling and seismic stress

Warning: Must be certified to purchase. Contact your local Johnstone Supply for details.

Note: Male adapters are required on each end and are not included.

Order #	Mfg. #	Fitting Size	Length	Wt. Lbs.
R94-266	FGP-UGP-375-250	3/8"	250'	57.5
R94-614	FGP-UGP-500-100	1/2"	100'	33.0
R94-267	FGP-UGP-500-250	1/2"	250'	82.5
R94-615	FGP-UGP-750-100	3/4"	100'	43.0
R94-268	FGP-UGP-750-250	3/4"	250'	107.5

Order #	Mfg. #	Fitting Size	Length	Wt. Lbs.
R94-616	FGP-UGP-100-100	1"	100'	57.0
R94-269	FGP-UGP-100-250	1"	250'	142.5
R94-270	FGP-UGP-125-150	1 1/4"	150"	137.0
R94-617	FGP-UGP-150-150	1-1/2"	150'	150.5
R94-618	FGP-UGP-200-150	2"	150'	220.0

Quick Acting CSST Cutter



- For quick and accurate cutting of corrugated gas tubing (CSST)
- Cuts CSST sizes 3/8" to 1" diameter
- Two sets of split-floating guide wheels ride in the corrugations to provide stable tracking and ensure a clean cut
- Ergonomic knob provides a firm grip to cut through tubing quickly
- Lifetime warranty

Order #	Mfg. #	Description	Each
H27-023	32078	151 Quick Acting CSST Cutter	**189.00**
H27-024	33190	E-4546 CSST Cutter Wheel	**24.49**

PSII Underground Gas Line Male Adapter Fittings



- AutoFlare fitting with a plastic containment coupling and a 1/4" MPT vent port
- Assembles without special tools

Order #	Mfg. #	Pipe Size	Each
R55-726	FGP-UGF-375	3/8" MPT	**155.00**
R55-727	FGP-UGF-500	1/2" MPT	**155.00**
R55-728	FGP-UGF-750	3/4" MPT	**185.00**
R55-729	FGP-UGF-1000	1" MPT	**219.00**
R55-730	FGP-UGF-1250	1-1/4" MPT	**495.00**
R56-663	FGP-UGF-1500	1-1/2" MPT	**709.00**
R56-664	FGP-UGF-2000	2" MPT	**1045.00**

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AutoFlare® Fittings

- Self-flaring with metal-to-metal gasket
- Rated for both indoor and outdoor use
- Compatible with black iron and copper threaded fittings
- Split rings are necessary for tubing to flare properly, extra split rings are available
- When installed outdoors, use self-adhesive yellow silicone tape (**G32-494**) to wrap exposed stainless steel tubing to prevent corrosion

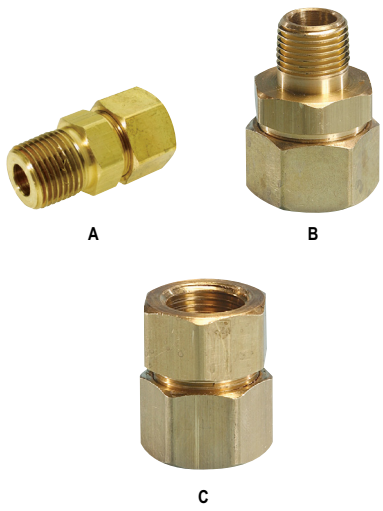


Fig.	Order #	Mfg. #	Pipe Size	Thread	Each
A	**R54-699**	FGP-FST-375	3/8"	1/2" MPT	**45.49**
A	**R54-700**	FGP-FST-500	1/2"	1/2" MPT	**39.49**
A	**R54-701**	FGP-FST-750	3/4"	3/4" MPT	**59.00**
B	**R55-005**	FGP-RST-750-500	3/4"	1/2" MPT	**79.00**
A	**R54-702**	FGP-FST-1000	1"	1" MPT	**89.00**
B	**R55-006**	FGP-RST-1000-750	1"	3/4" MPT	**119.00**
A	**R54-810**	FGP-FST-1250	1-1/4"	1-1/4" MPT	**199.00**
A	**R54-811**	FGP-FST-1500	1-1/2"	1-1/2" MPT	**509.00**
A	**R54-812**	FGP-FST-2000	2"	2" MPT	**689.00**
C	**R55-737**	FGP-FSTF-375	—	1/2" NPT	**45.49**
C	**R55-738**	FGP-FSTF-500	—	1/2" FPT	**55.00**
C	**R55-739**	FGP-FSTF-750	—	3/4" FPT	**75.00**
C	**R55-740**	FGP-FSTF-1000	—	1" FPT	**115.00**

Autoflare Split Rings



Order #	Mfg. #	Pipe Size	Thread	Each
R54-703	FGP-RING-375	3/8"	Extra Split Ring (10-Pk.)	**40.99**
R54-704	FGP-RING-500	1/2"	Extra Split Ring (10-Pk.)	**22.99**
R54-705	FGP-RING-750	3/4"	Extra Split Ring (10-Pk.)	**24.99**
R54-706	FGP-RING-1000	1"	Extra Split Ring (10-Pk.)	**30.49**
R54-802	FGP-RING-1250	1-1/4"	Extra Split Ring (4-Pk.)	**75.00**
R54-803	FGP-RING-1500	1-1/2"	Extra Split Ring (4-Pk.)	**79.00**
R54-804	FGP-RING-2000	2"	Extra Split Ring (4-Pk.)	**129.00**

AutoFlare® Couplings

- Used for joining two sections of TracPipe®
- Non-reducing



Order #	Mfg. #	Pipe Size	Each
R54-715	FGP-CPLG-375	3/8"	**85.00**
R54-716	FGP-CPLG-500	1/2"	**99.00**
R54-717	FGP-CPLG-750	3/4"	**135.00**
R54-718	FGP-CPLG-1000	1"	**209.00**

AutoFlare® Tees

- Main line has AutoFlare connections
- Branch connection available with pipe thread or AutoFlare connections



Fig.	Order #	Mfg. #	Pipe Size	Branch Connection	Each
A	**R54-712**	FGP-T500-500	1/2"	1/2" FPT	**145.00**
A	**R54-807**	FGP-T750-500	3/4"	1/2" FPT	**195.00**
A	**R54-713**	FGP-T750-750	3/4"	3/4" FPT	**199.00**
A	**R54-714**	FGP-T1000-1000	1"	1" FPT	**335.00**
—	**R54-806**	FGP-T500-750	1/2"	3/4" MPT	**189.00**
B	**R55-022**	FGP-TF500-T500	1/2"	1/2" AutoFlare	**155.00**
B	**R54-808**	FGP-TF750-T500	3/4"	1/2" AutoFlare	**215.00**
B	**R55-023**	FGP-TF750-T750	3/4"	3/4" AutoFlare	**205.00**
B	**R54-809**	FGP-TF1000-T500	1"	1/2" AutoFlare	**325.00**
B	**R55-024**	FGP-TF1000T1000	1"	1" AutoFlare	**365.00**

AutoFlare® Wall Flanges

- Used for moveable and quick disconnect appliances
- AutoFlare fitting for connecting TracPipe® and threaded end for attaching appliance connector or quick disconnect device



A B

Fig.	Order #	Mfg. #	Pipe Size	Thread	Each
A	**R54-820**	FGP-RFG-375	3/8"	3/8" MPT	**65.00**
A	**R54-821**	FGP-RFG-500	1/2"	1/2" MPT	**55.00**
A	**R54-822**	FGP-RFG-750	3/4"	3/4" MPT	**65.00**
A	**R54-823**	FGP-RFG-1000	1"	1" MPT	**125.00**
A	**R55-007**	FGP-RFG-1250	1-1/4"	1-1/4" MPT	**265.00**
B	**R55-732**	FGP-RF90V-500	—	1/2" MPT	**119.00**

Malleable Multi-port Manifolds

- Polycoated, corrosion resistant
- May be used for running individual lines to multiple appliances
- Used in conjunction with a regulator (**L37-535**, **L37-730**)
- Manifold and regulator recommended for elevated pressure systems
- Uses 1/2" black iron fittings for extensions, caps and plugs
- AGA approved bronze ball valves (**R54-598**, **R54-599** and **R54-600**) used for line shutoff and optional individual run shutoff
- **R55-026** manifold bracket is for use with **R54-708** manifold only
- **R55-733** and **R55-734** are stackable manifolds



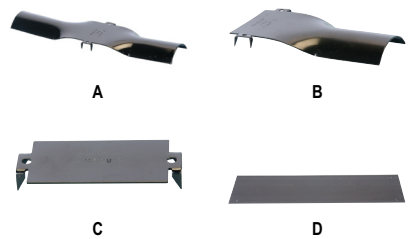
A B C D E

Fig.	Order #	Mfg. #	Inlet Conn.	Outlet Conn.	Each
A	**R54-708**	FGP-MI-PC	—	1/2" FPT	**115.00**
A	**R55-027**	FGP-MI-PC1X	—	3/4" FPT	**179.00**
A	**R55-028**	FGP-MI-PC2X	—	1" FPT	**235.00**
B	**R55-733**	FGP-MI-ST-500	1/2" FPT, 1/2" MPT	1/2" FPT	**75.00**
B	**R55-734**	FGP-MI-ST-750	3/4" FPT, 1" MPT	1/2" FPT	**75.00**

Fig.	Order #	Mfg. #	Inlet Conn.	Outlet Conn.	Each
C	**R55-026**	FGP-MB2	Manifold Bracket	—	**34.99**
D	**R55-735**	FGP-MB-ST	Stackable Manifold Bracket	—	**26.49**
E	**R87-573**	FGP-LC	Load Center w/Bracket	—	**609.00**

Strike Plates

- Hardened carbon steel
- Protects gas piping from possible puncture, shear, crushing or other physical damage threats
- Required whenever tubing is concealed, restrained and within 3" of potential threat



A B C D

Fig.	Order #	Mfg. #	Description	Size	Each
A	**R54-709**	FGP-SP-100	Full Strike Plate	3" x 12"	**13.99**
B	**R54-710**	FGP-SP-050	Half Strike Plate	3" x 7"	**6.65**
C	**R54-711**	FGP-SP-025	Quarter Strike Plate	1-1/2" x 3"	**3.45**
D	**R87-528**	FGP-SP-617	Strike Plate	6-1/2" x 17"	**65.00**

Termination Mounts and Meter Termination Fittings for TracPipe®



Order #	Mfg. #	Pipe Size	Thread	Description	Each
R55-015	FGP-1/2X6MT	1/2"	1/2" MPT	6" Meter Termination	**49.99**
R55-016	FGP-3/4X6MT	3/4"	3/4" MPT	6" Meter Termination	**55.00**
R55-018	FGP-1/2X12MT	1/2"	1/2" MPT	12" Meter Termination	**59.00**
R55-019	FGP-3/4X12MT	3/4"	3/4" MPT	12" Meter Termination	**65.00**
R55-021	FGP-MT-BRAC	All	—	Meter Termination Bracket	**48.49**

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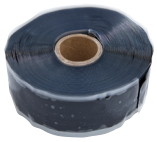
CounterStrike® Accessories

TracPipe CounterStrike


A


B


C


D


E


F

Fig.	Order #	Mfg. #	Description	Each
A	**R55-025**	FGP-QDS	Sturgis Quick Disconnect — 1/2"	**285.00**
B	**R55-029**	FGP-TAG-20	High Pressure Tags (20-Pk.)	**75.00**
C	**R55-030**	FGP-ITAG-50	Installation Tags (50-Pk.)	**99.00**
D	**R57-451**	FGP-915-10H-12BL	Black Silicone Tape 1" x 12 Yds.	**109.00**

Fig.	Order #	Mfg. #	Description	Each
E	**R57-452**	FGP-GC-1	Bonding Clamp 3/8" - 1/2"	**15.99**
E	**R57-453**	FGP-GC-2	Bonding Clamp 3/4" - 1-1/4"	**35.49**
E	**R57-454**	FGP-GC-3	Bonding Clamp 1-1/2" - 2"	**265.00**
F	**R87-699**	FGP-FPY-500CT	Floppy Fit 1" X 12"	**12.99**

Flashshield+ Corrugated Stainless Steel Tubing

Gastite The System is the Solution™ FlashShield+

- Electrically insulative polymer cover
- Metallically-shielded
- Only product that meets strict criteria of both LC1024 & LC1027
- Highest lightning resistivity
- Flexibility and durability allows for simple routing through complex building structures and designs
- Pre-marked by the foot for easy measuring and installation
- Minimum tubing wall thickness of .010 on all sizes
- Annealed 304 stainless steel makes tubing more flexible than brands not heat-treated



Order #	Mfg. #	Fitting Size	Length	Wt. Lbs.
R94-760	FSP-8-50	1/2"	50'	8.3
R94-761	FSP-8-125	1/2"	125'	28.8
R94-762	FSP-8-250	1/2"	250'	49.5
R94-763	FSP-11-50	3/4"	50'	10.5
R94-764	FSP-11-125	3/4"	125'	34.1
R94-765	FSP-11-250	3/4"	250'	64.3
R94-766	FSP-16-50	1"	50'	23.4
R94-767	FSP-16-150	1"	150'	58.1
R94-768	FSP-20-150	1-1/4"	150'	69
R94-769	FSP-20-300	1-1/4"	250'	135
R94-770	FSP-24-150	1-1/2"	150'	91
R94-771	FSP-24-300	1-1/2"	300'	177
R94-772	FSP-32-150	2"	150'	143

XR3 Straight Fittings

Gastite The System is the Solution™

- Designed with a metal-locking feature for FlashShield and Arc-Trap™ feature for FlashShield+
- Creates protection against hi-voltage risk associated with lightning strikes
- Jacket-Lock™ fitting eliminates exposed stainless steel beyond the nut
- Requires minimal torque for easy fitting installation
- With no o-rings or gaskets, the reusable brass components provide a reliable metal-to-metal seat.


A


B

Fig.	Order #	Mfg. #	Pipe Size	Thread	Each
A	**R58-826**	XR3FTG-8	1/2"	1/2" NPT	**36.49**
A	**R58-827**	XR3FTG-11	3/4"	3/4" NPT	**49.99**
B	**R58-828**	XR3FTGFM-11-8	3/4"	1/2" NPT	**69.00**
A	**R58-829**	XR3FTG-16	1"	1" NPT	**79.00**
B	**R58-830**	XR3FTGFM-11	3/4"	3/4" NPT	**65.00**
A	**R58-831**	XR3FTG-20	1-1/4"	1-1/4" NPT	**185.00**
A	**R58-832**	XR3FTG-24	1-1/2"	1-1/2" NPT	**375.00**
A	**R58-833**	XR3FTG-32	2"	2" NPT	**439.00**

XR3 Coupling Fitting

Gastite The System is the Solution™

- Used for joining two sections of Flashshield+



Order #	Mfg. #	Pipe Size	Each
R58-835	XR3CPL-8	1/2"	**89.00**
R58-836	XR3CPL-11	3/4"	**139.00**
R58-837	XR3CPL-16	1"	**185.00**

Gastite The System is the Solution



XR3 Tee Fittings

- Creates a branch line on a gas line run

Order #	Mfg. #	Pipe Size	Branch Connection	Each
R58-838	XR3T-8	1/2"	1/2" NPT	**145.00**
R58-839	XR3T-11	3/4"	3/4" NPT	**199.00**
R58-840	XR3T-16	1"	1" NPT	**395.00**

Gastite The System is the Solution

XR3 Termination Fittings

- Creates a fixed point "stub out" on a wall or floor surface


A


B


C

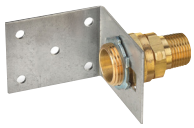

D

Fig.	Order #	Mfg. #	Pipe Size	Thread	Description	Each
A	**R58-842**	XR3TRM-8	1/2"	1/2" NPT	Square Steel Flange	**49.99**
A	**R58-843**	XR3TRM-11	3/4"	3/4" NPT	Square Steel Flange	**55.00**
A	**R58-844**	XR3TRM-16	1"	1" NPT	Square Steel Flange	**115.00**
A	**R58-845**	XR3TRM-20	1-1/4"	1-1/4" NPT	Square Steel Flange	**229.00**
B	**R58-847**	XR3TRM-8-CB	1/2"	1/2" NPT	Round Bronze Flange	**75.00**
B	**R58-848**	XR3TRM-11-CB	3/4"	3/4" NPT	Round Bronze Flange	**99.00**
B	**R58-849**	XR3TRM-16-CB	1"	1" NPT	Round Bronze Flange	**189.00**
B	**R58-850**	XR3TRM-20-CB	1-1/4"	1-1/4" NPT	Round Bronze Flange	**255.00**
C	**R58-852**	XR3TRM-8-NF	1/2"	1/2" NPT	No Flange	**55.00**
C	**R58-853**	XR3TRM-11-NF	3/4"	3/4" NPT	No Flange	**65.00**
C	**R58-854**	XR3TRM-16-NF	1"	1" NPT	No Flange	**99.00**
C	**R58-855**	XR3TRM-20-NF	1-1/4"	1-1/4" NPT	No Flange	**215.00**
D	**R58-856**	XR3TRMBKT-8	1/2"	1/2" NPT	Bracket Mount	**65.00**
D	**R58-857**	XR3TRMBKT-11	3/4"	3/4" NPT	Bracket Mount	**69.00**
D	**R58-858**	XR3TRMBKT-16	1"	1" NPT	Bracket Mount	**139.00**

Gastite The System is the Solution

Gas Manifolds

- Central distribution point for appliance runs
- Individual runs can be shut off for maintenance


A


B


C


D

Fig.	Order #	Mfg. #	Inlet Conn.	Outlet Conn.	Branch Connection	Description	Each
A	**R58-867**	3-PORTMAN	3/4" NPT	1/2" NPT	1/2" Female (3)	—	**99.00**
B	**R58-868**	4-PORTMAN	3/4" NPT	1/2" NPT	1/2" Female (4)	Cast 4 Port W/PT Port - 3/4"F X 4 @ 1/2"F X 1/2"F	**109.00**
C	**R58-869**	5-PORTMAN	3/4" NPT	1/2" NPT	3/4"F (1) X 1/2"F (4)	—	**129.00**
D	**R58-870**	5-PORTMAN-1	1" NPT	3/4" NPT	3/4"F (1) X 1/2"F (4)	—	**135.00**

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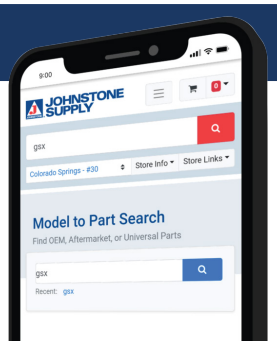

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Yellow Coated Stainless Steel Gas Appliance Connectors

Dormont SAFETY SHIELD

- Durable 304 stainless steel construction
- Yellow coated for resistance to salt, ammonia and corrosive household chemicals like ammonia and chlorine
- Features a premium antimicrobial coating to inhibit bacteria growth, improve corrosion and UV protection, and enhance flame and smoke resistance
- No-neck design provides increased flexibility
- A new gas connector must be used for new installations or when moving an existing appliance to a new location
- Meets ANSI Z21.24/CSA 6.10 for gas appliances and ANSI Z21.75/CSA 6.27 for outdoor appliances and manufactured homes


A


B


C


D

Fig.	Order #	Mfg. #	Min. BtuH Capacity	Fitting Size	O.D.	I.D.	Length	Each	12 Lot
A	**R87-318**	10C-3232-12	48,000	1/2" FIP x 1/2" FIP	3/8"	1/4"	12"	**47.49**	**39.49**
A	**R87-372**	10C-2232-24	40,000	1/2" FIP x 3/8" FIP	3/8"	1/4"	24"	**75.00**	**65.00**
A	**R87-373**	10C-2232-36	33,400	1/2" FIP x 3/8" FIP	3/8"	1/4"	36"	**69.00**	**55.00**
A	**R87-374**	10C-2232-48	28,300	1/2" FIP x 3/8" FIP	3/8"	1/4"	48"	**75.00**	**59.00**
A	**R87-375**	10C-2232-60	24,900	1/2" FIP x 3/8" FIP	3/8"	1/4"	60"	**79.00**	**65.00**
B	**R87-319**	10C-3132-12	48,000	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	3/8"	1/4"	12"	**43.49**	**35.99**
B	**R87-320**	10C-3132-24	40,000	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	3/8"	1/4"	24"	**69.00**	**59.00**
B	**R87-321**	10C-3132-36	33,400	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	3/8"	1/4"	36"	**65.00**	**55.00**
B	**R87-322**	10C-3132-48	28,300	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	3/8"	1/4"	48"	**69.00**	**59.00**
B	**R87-298**	20C-3132-18	93,100	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	1/2"	3/8"	18"	**49.99**	**41.49**
B	**R87-299**	20C-3132-24	85,000	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	1/2"	3/8"	24"	**46.99**	**38.99**
B	**R87-300**	20C-3132-36	71,100	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	1/2"	3/8"	36"	**55.00**	**45.49**
B	**R87-301**	20C-3132-48	60,500	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	1/2"	3/8"	48"	**65.00**	**55.00**
D	**R87-426**	20C-3135-18	93,100	1/2" MIP x 1/2" FIP Ball Valve	1/2"	3/8"	18"	**75.00**	**59.00**
D	**R87-306**	20C-3135-24	85,000	1/2" MIP x 1/2" FIP Ball Valve	1/2"	3/8"	24"	**75.00**	**65.00**
D	**R87-307**	20C-3135-36	71,100	1/2" MIP x 1/2" FIP Ball Valve	1/2"	3/8"	36"	**85.00**	**69.00**
D	**R87-428**	20C-3135-48	60,500	1/2" MIP x 1/2" FIP Ball Valve	1/2"	3/8"	48"	**95.00**	**79.00**
A	**R87-571**	30C-4242-24	150,000	3/4" FIP x 3/4" FIP	5/8"	1/2"	24"	**75.00**	**65.00**
A	**R87-420**	30C-4242-36	125,000	3/4" FIP x 3/4" FIP	5/8"	1/2"	36"	**89.00**	**75.00**
A	**R87-421**	30C-4242-48	106,000	3/4" FIP x 3/4" FIP	5/8"	1/2"	48"	**95.00**	**79.00**
B	**R87-570**	30C-4142-24	85,000	3/4" FIP x 3/4" MIP Tapped 1/2" FIP	5/8"	1/2"	24"	**69.00**	**59.00**
B	**R87-424**	30C-4142-36	150,000	3/4" FIP x 3/4" MIP Tapped 1/2" FIP	5/8"	1/2"	36"	**85.00**	**69.00**
B	**R87-425**	30C-4142-48	106,000	3/4" FIP x 3/4" MIP Tapped 1/2" FIP	5/8"	1/2"	48"	**89.00**	**75.00**
B	**R87-566**	30C-3132-18	164,200	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	5/8"	1/2"	18"	**65.00**	**55.00**
B	**R87-567**	30C-3132-24	150,000	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	5/8"	1/2"	24"	**69.00**	**59.00**
B	**R87-568**	30C-3132-36	125,000	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	5/8"	1/2"	36"	**79.00**	**65.00**
B	**R87-569**	30C-3132-48	106,000	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	5/8"	1/2"	48"	**89.00**	**75.00**
C	**R87-779**	30C-3131-18	164,200	1/2" MIP x 1/2" MIP Tapped 3/8" FIP	5/8"	1/2"	18"	**43.49**	**36.99**
C	**R87-780**	30C-3131-24	150,000	1/2" MIP x 1/2" MIP Tapped 3/8" FIP	5/8"	1/2"	24"	**55.00**	**42.99**
C	**R87-422**	30C-3131-36	125,000	1/2" MIP x 1/2" MIP Tapped 3/8" FIP	5/8"	1/2"	36"	**79.00**	**65.00**
C	**R87-423**	30C-3131-48	106,000	1/2" MIP x 1/2" MIP Tapped 3/8" FIP	5/8"	1/2"	48"	**85.00**	**75.00**

Stainless Steel Gas Hearth Connectors

With High-Temperature Black Epoxy Coating

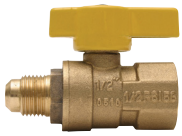
Dormont

- Specifically engineered for hearth applications such as gas logs, fireplace inserts and freestanding fireplaces
- Low-visibility black epoxy coating hides the connectors from view
- Black adapters and flare nuts with zinc di-chromate plating for minimal glare
- CSA design certified
- Withstands up to 350°F



Order #	Mfg. #	Min. BtuH Capacity	Fitting Size	O.D.	I.D.	Length	Each
R87-608	10A-2135-24	40,000	3/8" MIP x 1/2" FIP Valve	3/8"	1/4"	24"	**79.00**
R87-609	20A-3135-24	85,000	1/2" MIP x 1/2" FIP Valve	1/2"	3/8"	24"	**85.00**

Gas Flared Tube Valves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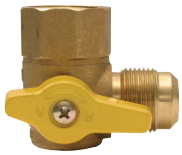
B


C

Fig.	Order #	Conn. Size	Each	10 Lot
A	**R53-450**	1/2" FIP x 3/8" Flare	**37.49**	**30.99**
A	**R53-454**	1/2" FIP x 1/2" Flare	**36.99**	**30.49**
A	**R53-671**	3/4" FIP x 15/16" Flare	**79.00**	**65.00**

Fig.	Order #	Conn. Size	Each	10 Lot
B	**R53-670**	3/4" FIP x 15/16" Flare Angled	**75.00**	**65.00**
C	**R53-235**	3/8" Flare x 3/8" Flare	**65.00**	**55.00**

Stainless Steel Gas Appliance Connectors


A


B


C


D


E

- For use on ranges, dryers, furnaces, water heaters, mobile homes and gas log fireplaces
- Resistant to crushing, kinking and cracking
- Stainless steel is naturally corrosion-resistant and durable
- Meets ANSI Z21.24/CSA 6.10 for gas appliances and ANSI Z21.75/CSA 6.27 for outdoor appliances and manufactured homes
- Code requires manual shutoff valve be installed on gas line ahead of connector
- Ultraflow 41 and 51 high BTU series has a heavy-duty, antimicrobial, hot-dipped gray PVC coating

Fig.	Order #	Mfg. #	Min. BtuH Capacity	Fitting Size	O.D.	I.D.	Length	Each	12 Lot
A	**R87-509**	10-3132-36	33,400	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	3/8"	1/4"	36"	**43.99**	**37.49**
A	**R87-510**	10-3132-48	28,300	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	3/8"	1/4"	48"	**59.00**	**47.49**
A	**R87-395**	20-3132-18	93,100	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	1/2"	3/8"	18"	**41.99**	**35.49**
A	**R87-396**	20-3132-24	85,000	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	1/2"	3/8"	24"	**49.99**	**41.49**
A	**R87-397**	20-3132-36	71,100	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	1/2"	3/8"	36"	**49.99**	**39.99**
A	**R87-412**	20-3132-48	60,500	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	1/2"	3/8"	48"	**59.00**	**47.99**
B	**R87-398**	20-3135-18	93,100	1/2" MIP x 1/2" FIP Straight Ball Valve	1/2"	3/8"	18"	**85.00**	**65.00**
B	**R87-399**	20-3135-24	85,000	1/2" MIP x 1/2" FIP Straight Ball Valve	1/2"	3/8"	24"	**95.00**	**75.00**
B	**R87-400**	20-3135-36	71,100	1/2" MIP x 1/2" FIP Straight Ball Valve	1/2"	3/8"	36"	**95.00**	**79.00**
B	**R87-413**	20-3135-48	60,500	1/2" MIP x 1/2" FIP Straight Ball Valve	1/2"	3/8"	48"	**109.00**	**89.00**
C	**R87-715**	30-3131-24	150,000	1/2" MIP x 1/2" MIP	5/8"	1/2"	24"	**48.99**	**41.49**
C	**R87-854**	30-3131-36	125,000	1/2" MIP x 1/2" MIP	5/8"	1/2"	36"	**59.00**	**48.49**
C	**R87-855**	30-3131-48	106,000	1/2" MIP x 1/2" MIP	5/8"	1/2"	48"	**75.00**	**65.00**
C	**R87-716**	30-3141-24	150,000	1/2" MIP x 3/4" MIP	5/8"	1/2"	24"	**48.99**	**41.99**
C	**R87-717**	30-3141-36	125,000	1/2" MIP x 3/4" MIP	5/8"	1/2"	36"	**59.00**	**46.99**
C	**R87-718**	30-3141-48	106,000	1/2" MIP x 3/4" MIP	5/8"	1/2"	48"	**69.00**	**59.00**
A	**R87-894**	30-3132-12	180,000	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	5/8"	1/2"	12"	**37.99**	**32.49**
A	**R87-519**	30-3132-18	164,200	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	5/8"	1/2"	18"	**39.49**	**33.49**
A	**R87-520**	30-3132-24	150,000	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	5/8"	1/2"	24"	**48.49**	**40.99**
A	**R87-507**	30-3132-36	125,000	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	5/8"	1/2"	36"	**59.00**	**48.99**
A	**R87-508**	30-3132-48	106,000	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	5/8"	1/2"	48"	**69.00**	**59.00**
A	**R87-417**	30-4142-24	150,000	3/4" FIP x 3/4" MIP Tapped 1/2" FIP	5/8"	1/2"	24"	**55.00**	**41.49**
A	**R87-418**	30-4142-36	125,000	3/4" FIP x 3/4" MIP Tapped 1/2" FIP	5/8"	1/2"	36"	**55.00**	**40.49**
A	**R87-419**	30-4142-48	106,000	3/4" FIP x 3/4" MIP Tapped 1/2" FIP	5/8"	1/2"	48"	**65.00**	**48.49**
B	**R87-789**	30-3135-18	164200	1/2" FIP x 1/2" MIP Straight Ball Valve	5/8"	1/2"	18"	**95.00**	**85.00**
B	**R87-787**	30-3135-24	150,000	1/2" FIP x 1/2" MIP Straight Ball Valve	5/8"	1/2"	24"	**89.00**	**75.00**
B	**R87-788**	30-3135-36	125,000	1/2" FIP x 1/2" MIP Straight Ball Valve	5/8"	1/2"	36"	**95.00**	**79.00**
D	**R87-414**	30-4242-24	150,000	3/4" FIP x 3/4" FIP	5/8"	1/2"	24"	**55.00**	**41.99**
D	**R87-415**	30-4242-36	125,000	3/4" FIP x 3/4" FIP	5/8"	1/2"	36"	**55.00**	**40.99**
D	**R87-416**	30-4242-48	106,000	3/4" FIP x 3/4" FIP	5/8"	1/2"	48"	**65.00**	**48.49**
E	**R87-610**	41-4142-24	290,900	3/4" MIP x 3/4" FIP	1"	3/4"	24"	**195.00**	**159.00**
E	**R87-611**	41-4142-36	255,900	3/4" MIP x 3/4" FIP	1"	3/4"	36"	**219.00**	**185.00**
E	**R87-612**	51-5152-24	581,800	1" MIP x 1" FIP	1-1/4"	1"	24"	**259.00**	**215.00**
E	**R87-613**	51-5152-36	515,900	1" MIP x 1" FIP	1-1/4"	1"	36"	**305.00**	**255.00**

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Yellow Coated Stainless Steel Gas Appliance Connectors

MUELLER STREAMLINE CO.

- For use on ranges, dryers, furnaces, water heaters, mobile homes and gas log fireplaces
- Yellow coated for resistance to salt, ammonia and corrosive household chemicals like ammonia and chlorine
- Durable 304 stainless steel construction supports high flow rates, wide temperature ranges and is resistant to corrosive water and environmental conditions
- Zinc coated steel nut and fitting
- -40°F to 150°F operating temperature
- Meets ANSI Z21.24/CSA 6.10 and ANSI Z21.75/CSA 6.27



Order #	Mfg. #	Min. BtuH Capacity	Fitting Size	O.D.	I.D.	Length	Each	12 Lot
R88-096	G014YE101124	40,000	1/2" MIP Tapped 3/8" FIP x 1/2" FIP	3/8"	1/4"	24"	**34.99**	**28.99**
R88-097	G014YE101136	33,400	1/2" MIP Tapped 3/8" FIP x 1/2" FIP	3/8"	1/4"	36"	**41.99**	**34.99**
R88-146	G014YE101148	28,300	1/2" MIP Tapped 3/8" FIP x 1/2" FIP	3/8"	1/4"	48"	**59.00**	**45.99**
R88-147	G014YE111112	48,000	1/2" FIP x 1/2" FIP	3/8"	1/4"	12"	**28.49**	**23.49**
R88-148	G014YE131124	40,000	1/2" FIP x 3/8" FIP	3/8"	1/4"	24"	**34.99**	**28.99**
R88-149	G014YE131136	33,400	1/2" FIP x 3/8" FIP	3/8"	1/4"	36"	**41.99**	**34.99**
R88-150	G014YE131148	28,300	1/2" FIP x 3/8" FIP	3/8"	1/4"	48"	**59.00**	**45.99**
R88-098	G038YE101118	93,100	1/2" MIP Tapped 3/8" FIP x 1/2" FIP	1/2"	3/8"	18"	**32.49**	**26.99**
R88-099	G038YE101124	85,000	1/2" MIP Tapped 3/8" FIP x 1/2" FIP	1/2"	3/8"	24"	**37.49**	**30.99**
R88-100	G038YE101136	71,100	1/2" MIP Tapped 3/8" FIP x 1/2" FIP	1/2"	3/8"	36"	**43.99**	**36.49**
R88-151	G038YE101148	60,500	1/2" MIP Tapped 3/8" FIP x 1/2" FIP	1/2"	3/8"	48"	**47.49**	**39.49**
R88-152	G038YE103118	93,100	1/2" MIP Tapped 3/8" FIP x 1/2" FIP Ball Valve	1/2"	3/8"	18"	**55.00**	**42.99**
R88-101	G038YE103124	85,000	1/2" MIP Tapped 3/8" FIP x 1/2" FIP Ball Valve	1/2"	3/8"	24"	**59.00**	**46.49**
R88-102	G038YE103136	71,100	1/2" MIP Tapped 3/8" FIP x 1/2" FIP Ball Valve	1/2"	3/8"	36"	**65.00**	**55.00**
R88-103	G038YE103148	60,500	1/2" MIP Tapped 3/8" FIP x 1/2" FIP Ball Valve	1/2"	3/8"	48"	**75.00**	**59.00**
R88-153	G012YE101018	164,200	1/2" MIP Tapped 3/8" FIP x 1/2" MIP Tapped 3/8" FIP	5/8"	1/2"	18"	**30.49**	**25.49**
R88-104	G012YE101024	150,000	1/2" MIP Tapped 3/8" FIP x 1/2" MIP Tapped 3/8" FIP	5/8"	1/2"	24"	**38.99**	**32.49**
R88-105	G012YE101036	125,000	1/2" MIP Tapped 3/8" FIP x 1/2" MIP Tapped 3/8" FIP	5/8"	1/2"	36"	**44.49**	**36.99**
R88-154	G012YE101048	106,000	1/2" MIP Tapped 3/8" FIP x 1/2" MIP Tapped 3/8" FIP	5/8"	1/2"	48"	**55.00**	**42.49**
R88-155	G012YE101118	164,200	1/2" MIP Tapped 3/8" FIP x 1/2" FIP	5/8"	1/2"	18"	**30.49**	**25.49**
R88-106	G012YE101124	150,000	1/2" MIP Tapped 3/8" FIP x 1/2" FIP	5/8"	1/2"	24"	**43.99**	**36.49**
R88-107	G012YE101136	125,000	1/2" MIP Tapped 3/8" FIP x 1/2" FIP	5/8"	1/2"	36"	**49.99**	**41.49**
R88-108	G012YE101148	106,000	1/2" MIP Tapped 3/8" FIP x 1/2" FIP	5/8"	1/2"	48"	**65.00**	**55.00**
R88-109	G012YE141524	85,000	3/4" MIP Tapped 1/2" FIP x 3/4" FIP	5/8"	1/2"	24"	**43.99**	**36.49**
R88-110	G012YE141536	150,000	3/4" MIP Tapped 1/2" FIP x 3/4" FIP	5/8"	1/2"	36"	**49.99**	**41.49**
R88-156	G012YE141548	106,000	3/4" MIP Tapped 1/2" FIP x 3/4" FIP	5/8"	1/2"	48"	**55.00**	**42.49**
R88-157	G012YE151524	150,000	3/4" FIP x 3/4" FIP	5/8"	1/2"	24"	**38.99**	**32.49**
R88-158	G012YE151536	125,000	3/4" FIP x 3/4" FIP	5/8"	1/2"	36"	**44.49**	**36.99**
R88-159	G012YE151548	106,000	3/4" FIP x 3/4" FIP	5/8"	1/2"	48"	**59.00**	**46.99**

Stainless Steel Gas Appliance Connectors

MUELLER STREAMLINE CO.

- For use on ranges, dryers, furnaces, water heaters, mobile homes and gas log fireplaces
- Durable 304 stainless steel construction supports high flow rates, wide temperature ranges and is resistant to corrosive water and environmental conditions
- Zinc coated steel nut and fitting
- Meets ANSI Z21.24/CSA 6.10 and ANSI Z21.75/CSA 6.27



Order #	Mfg. #	Min. BtuH Capacity	Fitting Size	O.D.	I.D.	Length	Each	12 Lot
R88-126	G014SS101136	33,400	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	3/8"	1/4"	36"	**39.99**	**32.99**
R88-127	G014SS101148	28,300	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	3/8"	1/4"	48"	**55.00**	**43.49**
R88-128	G038SS101112	102,000	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	1/2"	3/8"	12"	**25.49**	**21.49**
R88-111	G038SS101118	93,100	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	1/2"	3/8"	18"	**27.99**	**22.99**
R88-112	G038SS101124	85,000	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	1/2"	3/8"	24"	**31.49**	**26.49**
R88-113	G038SS101136	71,100	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	1/2"	3/8"	36"	**37.49**	**30.99**
R88-129	G038SS101148	60,500	1/2" FIP x 1/2" MIP Tapped 3/8" FIP	1/2"	3/8"	48"	**44.99**	**37.49**
R88-114	G038SS103118	93,100	1/2" MIP Tapped 3/8" FIP x 1/2" FIP Straight Ball Valve	1/2"	3/8"	18"	**48.49**	**40.49**
R88-115	G038SS103124	85,000	1/2" MIP Tapped 3/8" FIP x 1/2" FIP Straight Ball Valve	1/2"	3/8"	24"	**55.00**	**43.99**
R88-116	G038SS103136	71,100	1/2" MIP Tapped 3/8" FIP x 1/2" FIP Straight Ball Valve	1/2"	3/8"	36"	**59.00**	**48.49**
R88-117	G012SS101024	150,000	1/2" MIP Tapped 3/8" FIP x 1/2" MIP Tapped 3/8" FIP	5/8"	1/2"	24"	**32.99**	**27.49**
R88-118	G012SS101036	125,000	1/2" MIP Tapped 3/8" FIP x 1/2" MIP Tapped 3/8" FIP	5/8"	1/2"	36"	**37.99**	**31.49**
R88-119	G012SS101048	106,000	1/2" MIP Tapped 3/8" FIP x 1/2" MIP Tapped 3/8" FIP	5/8"	1/2"	48"	**47.99**	**39.99**
R88-120	G012SS101112	180,000	1/2" MIP Tapped 3/8" FIP x 1/2" FIP	5/8"	1/2"	12"	**23.99**	**19.99**
R88-121	G012SS101118	164,200	1/2" MIP Tapped 3/8" FIP x 1/2" FIP	5/8"	1/2"	18"	**28.99**	**23.99**
R88-122	G012SS101124	150,000	1/2" MIP Tapped 3/8" FIP x 1/2" FIP	5/8"	1/2"	24"	**32.99**	**27.49**
R88-131	G012SS101130	136,000	1/2" MIP Tapped 3/8" FIP x 1/2" FIP	5/8"	1/2"	30"	**38.49**	**31.99**
R88-123	G012SS101136	125,000	1/2" MIP Tapped 3/8" FIP x 1/2" FIP	5/8"	1/2"	36"	**37.99**	**31.49**
R88-132	G012SS101148	106,000	1/2" MIP Tapped 3/8" FIP x 1/2" FIP	5/8"	1/2"	48"	**47.99**	**39.99**
R88-133	G012SS101424	150,000	1/2" MIP x 3/4" MIP	5/8"	1/2"	24"	**41.49**	**34.49**
R88-134	G012SS101436	125,000	1/2" MIP x 3/4" MIP	5/8"	1/2"	36"	**41.99**	**34.99**
R88-135	G012SS101448	106,000	1/2" MIP x 3/4" MIP	5/8"	1/2"	48"	**55.00**	**43.99**

continued on next page

Order #	Mfg. #	Min. BtuH Capacity	Fitting Size	O.D.	I.D.	Length	Each	12 Lot
R88-136	G012SS103118	164,200	1/2" FIP x 1/2" MIP Straight Ball Valve	5/8"	1/2"	18"	**79.00**	**65.00**
R88-137	G012SS103124	150,000	1/2" FIP x 1/2" MIP Straight Ball Valve	5/8"	1/2"	24"	**79.00**	**69.00**
R88-138	G012SS103136	125,000	1/2" FIP x 1/2" MIP Straight Ball Valve	5/8"	1/2"	36"	**99.00**	**79.00**
R88-139	G012SS141524	150,000	3/4" FIP x 3/4" MIP Tapped 1/2" FIP	5/8"	1/2"	24"	**36.99**	**30.49**
R88-140	G012SS141536	125,000	3/4" FIP x 3/4" MIP Tapped 1/2" FIP	5/8"	1/2"	36"	**41.99**	**34.99**
R88-141	G012SS141548	106,000	3/4" FIP x 3/4" MIP Tapped 1/2" FIP	5/8"	1/2"	48"	**47.99**	**39.99**
R88-142	G012SS151524	150,000	3/4" FIP x 3/4" FIP	5/8"	1/2"	24"	**36.99**	**30.49**
R88-143	G012SS151536	125,000	3/4" FIP x 3/4" FIP	5/8"	1/2"	36"	**46.99**	**38.99**
R88-144	G012SS151548	106,000	3/4" FIP x 3/4" FIP	5/8"	1/2"	48"	**65.00**	**49.49**

Commercial Gas Connector Kits for Moveable Appliances



- Connects gas line to movable gas appliances
- Snap-Fast™ one-handed quick disconnect coupling, coiled restraining device, 90° street elbow and necessary mounting hardware required to hook up moveable/castered gas appliances (less ball valve)
- Antimicrobial protective PVC coated gas connector with patented Stress Guard™ technology
- Saves labor in installation, cleaning and equipment service
- Complies with ANSI Z21.69, ANSI Z223.1, CAN/CGA-B149, CAN/CGA-6.16
- Use with gas ball valves **R54-016**, **R54-015**, **R54-014** and **R53-362**

Order #	Mfg. #	Min. BtuH Capacity	I.D.	Length	Each
R87-460	1650BPQR-36	92,000	1/2"	36"	**509.00**
R87-461	1650BPQR-48	79,000	1/2"	48"	**519.00**
R87-462	1675BPQR-36	169,000	3/4"	36"	**649.00**
R87-463	1675BPQR-48	165,000	3/4"	48"	**719.00**
R87-581	16100BPQR-48	334,000	1"	48"	**869.00**
R87-580	16125BPQR-48	541,000	1-1/4"	48"	**1399.00**

Safety System™ Gas Connector Accessories



A



B



C

- Safety Quik™ prevents gas being turned on while the appliance is not connected to the supply line and prevents hose from being disconnected while gas is still flowing
- SnapFast™ one-handed quick disconnect (QD) design certified by CSA for commercial gas cooking equipment
- Swivel Max™ design allows movement in three planes (back-and-forth, side-to-side, and at various angles)

Fig.	Order #	Mfg. #	Description	Each
A	**R54-985**	CF-50R	Safety Quik 1/2" Valve	**285.00**
A	**R54-986**	CF-75R	Safety Quik 3/4" Valve	**359.00**
A	**R54-987**	CF-100R	Safety Quik 1" Valve	**499.00**
B	**R54-988**	A50R	SnapFast 1/2" Disconnect	**175.00**
B	**R54-989**	A75R	SnapFast 3/4" Disconnect	**245.00**
B	**R54-990**	A100R	SnapFast 1" Disconnect	**335.00**
B	**R54-991**	A125R	SnapFast 1-1/4" Disconnect	**695.00**
C	**R54-992**	SM50R	Swivel Max 1/2" Fitting	**255.00**
C	**R54-993**	SM75R	Swivel Max 3/4" Fitting	**255.00**
C	**R54-994**	SM100R	Swivel Max 1" Fitting	**415.00**
C	**R54-995**	SM125R	Swivel Max 1-1/4" Fitting	**745.00**

WE'RE THE EXPERTS YOU COUNT ON.

- Products you need, including hard to find speciality parts
- Technology to help you on the job
- Delivery options to get back on the road
- Training to keep you competitive

BETTER SERVICE & LOCAL SUPPORT WITH GLOBAL PARTNERS

THAT'S THE POWER OF JOHNSTONE



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Black Iron Nipples

- Close nipples are imported
- All other nipples are made in the USA



Order #	Size	Carton Qty.	Each
R57-260	1/8" x CLS	25	5.45
R56-932	1/8" x 1-1/2"	25	6.65
R56-933	1/8" x 2"	25	6.65
R56-934	1/8" x 2-1/2"	25	7.75
R56-935	1/8" x 3"	25	7.75
R56-936	1/8" x 3-1/2"	25	9.29
R56-937	1/8" x 4"	25	9.29
R56-938	1/8" x 6"	25	19.49
R57-261	1/4" x CLS	25	6.55
R56-939	1/4" x 1-1/2"	25	6.89
R56-940	1/4" x 2"	25	6.89
R56-941	1/4" x 2-1/2"	25	8.95
R56-942	1/4" x 3"	25	8.95
R56-943	1/4" x 3-1/2"	25	10.49
R56-944	1/4" x 4"	25	10.49
R57-262	3/8" x CLS	25	6.65
R56-945	3/8" x 1-1/2"	25	7.55
R56-946	3/8" x 2"	25	7.55
R56-947	3/8" x 2-1/2"	25	9.75
R56-948	3/8" x 3"	25	9.75
R56-949	3/8" x 3-1/2"	25	11.49
R56-950	3/8" x 4"	25	11.49
R56-951	3/8" x 6"	25	18.49
R57-263	1/2" x CLS	25	5.09
R56-952	1/2" x 1-1/2"	25	5.09
R56-953	1/2" x 2"	25	5.09
R56-954	1/2" x 2-1/2"	25	6.05
R56-955	1/2" x 3"	25	6.05
R56-956	1/2" x 3-1/2"	25	7.35
R56-957	1/2" x 4"	25	7.35
R56-958	1/2" x 4-1/2"	25	8.45
R56-959	1/2" x 5"	25	8.45
R56-960	1/2" x 5-1/2"	25	9.45
R56-961	1/2" x 6"	25	9.45
R56-962	1/2" x 7"	25	18.99
R56-963	1/2" x 8"	25	16.99
R56-964	1/2" x 9"	25	22.99
R56-965	1/2" x 10"	25	20.99
R56-966	1/2" x 11"	25	26.99
R56-967	1/2" x 12"	25	24.49
R87-868	1/2" x 18"	5	41.99
R87-869	1/2" x 24"	5	55.00
R87-870	1/2" x 30"	5	65.00
R87-871	1/2" x 36"	5	79.00
R94-653	1/2" x 48"	5	99.00
R94-654	1/2" x 60"	5	115.00
R94-655	1/2" x 72"	5	145.00
R57-264	3/4" x CLS	25	5.95
R56-968	3/4" x 1-1/2"	25	6.29
R56-969	3/4" x 2"	25	6.29
R56-970	3/4" x 2-1/2"	25	7.05
R56-971	3/4" x 3"	25	7.05
R56-972	3/4" x 3-1/2"	25	9.75
R56-973	3/4" x 4"	25	8.85
R56-974	3/4" x 4-1/2"	25	12.49
R56-975	3/4" x 5"	25	12.49

Order #	Size	Carton Qty.	Each
R56-976	3/4" x 5-1/2"	25	13.99
R56-977	3/4" x 6"	25	12.49
R56-978	3/4" x 7"	25	22.99
R56-979	3/4" x 8"	25	22.99
R56-980	3/4" x 9"	25	26.99
R56-981	3/4" x 10"	25	26.99
R56-982	3/4" x 11"	25	29.99
R56-983	3/4" x 12"	25	29.99
R87-872	3/4" x 18"	5	55.00
R87-873	3/4" x 24"	5	69.00
R87-874	3/4" x 30"	5	79.00
R87-875	3/4" x 36"	5	95.00
R94-656	3/4" x 48"	5	125.00
R94-657	3/4" x 60"	5	149.00
R94-658	3/4" x 72"	5	175.00
R57-265	1" x CLS	25	9.29
R56-984	1" x 2"	25	10.49
R56-985	1" x 2-1/2"	25	10.99
R56-986	1" x 3"	25	10.99
R56-987	1" x 3-1/2"	25	13.49
R56-988	1" x 4"	25	13.49
R56-989	1" x 4-1/2"	25	15.99
R56-990	1" x 5"	25	15.99
R56-991	1" x 5-1/2"	25	18.99
R56-992	1" x 6"	25	18.99
R56-993	1" x 7"	25	30.99
R56-994	1" x 8"	25	30.99
R56-995	1" x 9"	25	35.99
R56-996	1" x 10"	25	35.99
R56-997	1" x 11"	25	41.49
R56-998	1" x 12"	25	41.49
R87-876	1" x 18"	3	69.00
R87-877	1" x 24"	3	89.00
R87-878	1" x 30"	3	105.00
R87-879	1" x 36"	3	125.00
R94-659	1" x 48"	3	159.00
R94-660	1" x 60"	3	199.00
R94-661	1" x 72"	3	235.00
R56-999	1-1/4" x CLS	25	11.99
R57-001	1-1/4" x 2"	25	13.49
R57-002	1-1/4" x 2-1/2"	25	14.49
R57-003	1-1/4" x 3"	25	14.49
R57-004	1-1/4" x 3-1/2"	25	16.99
R57-005	1-1/4" x 4"	25	16.99
R57-006	1-1/4" x 4-1/2"	25	20.49
R57-007	1-1/4" x 5"	25	20.49
R57-008	1-1/4" x 5-1/2"	25	23.99
R57-009	1-1/4" x 6"	25	23.99
R57-010	1-1/4" x 7"	25	38.49
R57-011	1-1/4" x 8"	25	38.49
R57-012	1-1/4" x 9"	25	46.49
R57-013	1-1/4" x 10"	10	46.49
R57-014	1-1/4" x 11"	10	55.00
R57-015	1-1/4" x 12"	10	55.00
R87-880	1-1/4" x 18"	3	85.00
R87-881	1-1/4" x 24"	3	115.00

Order #	Size	Carton Qty.	Each
R87-882	1-1/4" x 30"	3	135.00
R87-883	1-1/4" x 36"	3	159.00
R94-662	1-1/4" x 48"	3	215.00
R94-663	1-1/4" x 60"	3	265.00
R94-664	1-1/4" x 72"	3	315.00
R57-016	1-1/2" x CLS	25	14.99
R57-017	1-1/2" x 2"	25	15.99
R57-018	1-1/2" x 2-1/2"	25	17.99
R57-019	1-1/2" x 3"	25	17.99
R57-020	1-1/2" x 3-1/2"	25	19.99
R57-021	1-1/2" x 4"	25	19.99
R57-022	1-1/2" x 4-1/2"	25	24.49
R57-023	1-1/2" x 5"	25	24.49
R57-024	1-1/2" x 5-1/2"	25	27.99
R57-025	1-1/2" x 6"	25	27.99
R57-026	1-1/2" x 8"	10	44.49
R57-027	1-1/2" x 10"	10	55.00
R57-028	1-1/2" x 12"	10	65.00
R87-884	1-1/2" x 18"	3	99.00
R87-885	1-1/2" x 24"	3	135.00
R87-886	1-1/2" x 30"	3	155.00
R87-887	1-1/2" x 36"	3	185.00
R94-665	1-1/2" x 48"	3	235.00
R94-666	1-1/2" x 60"	3	315.00
R94-667	1-1/2" x 72"	3	369.00
R57-029	2" x CLS	25	19.99
R57-030	2" x 2-1/2"	25	22.99
R57-031	2" x 3"	25	22.99
R57-032	2" x 3-1/2"	25	27.99
R57-033	2" x 4"	25	27.99
R57-034	2" x 4-1/2"	25	32.49
R57-035	2" x 5"	25	32.49
R57-036	2" x 5-1/2"	25	37.49
R57-037	2" x 6"	25	37.49
R57-038	2" x 7"	10	65.00
R57-039	2" x 8"	10	65.00
R57-040	2" x 9"	10	75.00
R57-041	2" x 10"	10	75.00
R57-042	2" x 11"	10	85.00
R57-043	2" x 12"	10	85.00
R87-888	2" x 18"	2	135.00
R87-889	2" x 24"	2	179.00
R87-890	2" x 30"	2	205.00
R87-891	2" x 36"	2	245.00
R94-668	2" x 48"	2	315.00
R94-669	2" x 60"	2	405.00
R57-044	2-1/2" x CLS	10	65.00
R57-045	2-1/2" x 3"	10	65.00
R57-046	2-1/2" x 3-1/2"	10	79.00
R57-047	2-1/2" x 4-1/2"	10	85.00
R57-048	2-1/2" x 5"	10	85.00
R57-049	2-1/2" x 5-1/2"	10	89.00
R57-050	2-1/2" x 6"	10	89.00
R57-051	2-1/2" x 8"	5	115.00
R57-052	2-1/2" x 10"	5	125.00
R57-053	2-1/2" x 12"	5	139.00

WARD MFG



Black Iron Nipple Kits

- 66 assorted nipples per kit
- Six each of close, 1-1/2", 2", 2-1/2", 3", 3-1/2", 4", 4-1/2", 5", 5-1/2", 6"

Order #	Description	Carton Qty.	Each
R87-892	1/2" Black CLS-6"	2	**735.00**
R87-893	3/4" Black CLS-6"	2	**895.00**

WATTS



A



B

Lead-Free Dielectric Pipe Unions

- Protects from galvanic corrosion when dissimilar metals are joined
- For use with hot water heaters, boilers and air conditioning
- Suitable for water, air, oil, natural gas, propane, gasoline, kerosene, mineral oil, vegetable oil and alkalines
- Rated at 250 PSI at 210°F
- Meets requirements of ANSI B16.39 and ANSI B2.1
- The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight

Fig.	Order #	Mfg. #	Model #	Description	Volts	Conn. Size
A	**R56-260**	9864	LF3001A	LF3001A 1/2	600	1/2" FNPT x 1/2" SW
A	**R56-261**	9865	LF3001A	LF3001A 3/4	600	3/4" FNPT x 3/4" SW
A	**R56-262**	9866	LF3001A	LF3001A 1	600	1" FNPT x 1" SW

Fig.	Order #	Mfg. #	Model #	Description	Volts	Conn. Size
B	**R56-263**	9871	LF3005A	LF3005A 3/4	600	3/4" MNPT x 3/4" SW
A	**R56-264**	9872	LF3002	LF3002 3/4	600	3/4" FNPT x 1/2" SW
B	**R56-265**	821937	LF3007	LF3007 3/4	600	3/4" MNPT x 1/2" SW

MODEL to PART

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Note: Must have a Johnstone Supply account

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Black Iron Nipples

R58-246 & R58-247 are right and left nipples



Order #	Description Size	Carton Qty.	Each
R54-645	Black Iron 1/8" x CLS	25	2.79
R54-646	Black Iron 1/8" x 1-1/2"	25	3.89
R54-647	Black Iron 1/8" x 2"	25	3.89
R54-648	Black Iron 1/8" x 2-1/2"	25	4.45
R54-649	Black Iron 1/8" x 3"	25	4.45
R54-650	Black Iron 1/8" x 3-1/2"	25	5.25
R54-651	Black Iron 1/8" x 4"	25	5.25
R54-652	Black Iron 1/8" x 6"	25	10.99
R54-653	Black Iron 1/4" x CLS	25	2.59
R54-654	Black Iron 1/4" x 1-1/2"	25	3.99
R54-655	Black Iron 1/4" x 2"	25	3.45
R54-656	Black Iron 1/4" x 2-1/2"	25	5.05
R54-657	Black Iron 1/4" x 3"	25	5.05
R54-658	Black Iron 1/4" x 3-1/2"	25	5.85
R54-659	Black Iron 1/4" x 4"	25	5.85
R54-661	Black Iron 3/8" x CLS	25	3.35
R54-662	Black Iron 3/8" x 1-1/2"	25	4.29
R54-663	Black Iron 3/8" x 2"	25	4.29
R54-664	Black Iron 3/8" x 2-1/2"	25	5.69
R54-665	Black Iron 3/8" x 3"	25	5.69
R54-666	Black Iron 3/8" x 3-1/2"	25	6.55
R54-667	Black Iron 3/8" x 4"	25	6.55
R54-668	Black Iron 3/8" x 6"	25	10.49
R54-133	Black Iron 1/2" x CLS	25	1.55
R54-134	Black Iron 1/2" x 1-1/2"	25	1.95
R54-135	Black Iron 1/2" x 2"	25	2.05
R54-136	Black Iron 1/2" x 2-1/2"	25	2.45
R54-137	Black Iron 1/2" x 3"	25	2.45
R54-138	Black Iron 1/2" x 3-1/2"	25	3.29
R54-139	Black Iron 1/2" x 4"	25	3.55
R58-246	Black Iron 1/2" x 4" R&L	1	12.99
R54-140	Black Iron 1/2" x 4-1/2"	25	3.99
R54-141	Black Iron 1/2" x 5"	25	3.99
R54-142	Black Iron 1/2" x 5-1/2"	25	4.69
R54-143	Black Iron 1/2" x 6"	25	4.55
R55-799	Black Iron 1/2" x 7"	25	12.99
R54-522	Black Iron 1/2" x 8"	25	9.89
R55-800	Black Iron 1/2" x 9"	25	16.49
R54-523	Black Iron 1/2" x 10"	25	12.49
R55-801	Black Iron 1/2" x 11"	25	19.99
R54-524	Black Iron 1/2" x 12"	25	11.49
R87-514	Black Iron 1/2" x 18"	1	27.99
R87-578	Black Iron 1/2" x 24"	1	35.49
R87-684	Black Iron 1/2" x 30"	1	59.00
R87-579	Black Iron 1/2" x 36"	1	65.00
R94-170	Black Iron 1/2" x 48"	1	79.00
R94-171	Black Iron 1/2" x 60"	1	99.00
R94-272	Black Iron 1/2" x 72"	1	95.00
R94-273	Black Iron 1/2" x 120"	1	95.00
R54-144	Black Iron 3/4" x CLS	25	2.15
R54-145	Black Iron 3/4" x 1-1/2"	25	2.49
R54-146	Black Iron 3/4" x 2"	25	2.49
R54-147	Black Iron 3/4" x 2-1/2"	25	3.69
R54-148	Black Iron 3/4" x 3"	25	3.45
R54-149	Black Iron 3/4" x 3-1/2"	25	4.99
R54-150	Black Iron 3/4" x 4"	25	4.15
R58-247	Black Iron 3/4" x 4" R&L	1	14.99
R54-151	Black Iron 3/4" x 4-1/2"	25	6.55
R54-152	Black Iron 3/4" x 5"	25	6.45
R54-153	Black Iron 3/4" x 5-1/2"	25	7.65
R54-154	Black Iron 3/4" x 6"	25	6.09
R55-802	Black Iron 3/4" x 7"	25	16.99
R54-525	Black Iron 3/4" x 8"	25	16.99
R55-803	Black Iron 3/4" x 9"	25	19.99
R54-526	Black Iron 3/4" x 10"	25	19.99
R55-804	Black Iron 3/4" x 11"	25	21.99
R54-527	Black Iron 3/4" x 12"	25	19.49
R87-515	Black Iron 3/4" x 18"	1	40.99
R87-582	Black Iron 3/4" x 24"	1	59.00
R87-685	Black Iron 3/4" x 30"	1	75.00
R87-583	Black Iron 3/4" x 36"	1	79.00
R94-172	Black Iron 3/4" x 48"	1	109.00
R94-173	Black Iron 3/4" x 60"	1	125.00
R94-274	Black Iron 3/4" x 72"	1	115.00
R94-275	Black Iron 3/4" x 120"	1	139.00
R54-528	Black Iron 1" x CLS	25	3.69
R54-529	Black Iron 1" x 2"	25	4.55
R55-805	Black Iron 1" x 2-1/2"	25	5.29
R54-530	Black Iron 1" x 3"	25	5.85
R55-806	Black Iron 1" x 3-1/2"	25	7.65
R54-531	Black Iron 1" x 4"	25	7.69
R55-807	Black Iron 1" x 4-1/2"	25	9.05
R54-532	Black Iron 1" x 5"	25	9.05
R55-808	Black Iron 1" x 5-1/2"	25	10.99
R54-533	Black Iron 1" x 6"	25	10.99
R55-809	Black Iron 1" x 7"	25	22.49
R54-534	Black Iron 1" x 8"	25	21.49
R55-810	Black Iron 1" x 9"	25	23.99
R54-535	Black Iron 1" x 10"	20	24.49
R55-811	Black Iron 1" x 11"	20	30.49
R54-536	Black Iron 1" x 12"	20	29.99
R87-686	Black Iron 1" x 18"	1	59.00
R87-687	Black Iron 1" x 24"	1	85.00
R87-688	Black Iron 1" x 30"	1	85.00
R87-689	Black Iron 1" x 36"	1	115.00
R94-276	Black Iron 1" x 48"	1	135.00
R94-277	Black Iron 1" x 60"	1	169.00
R94-278	Black Iron 1" x 72"	1	159.00
R94-279	Black Iron 1" x 120"	1	159.00
R54-537	Black Iron 1-1/4" x CLS	25	5.85
R54-538	Black Iron 1-1/4" x 2"	25	7.65
R55-812	Black Iron 1-1/4" x 2-1/2"	25	8.05
R54-539	Black Iron 1-1/4" x 3"	25	7.19
R55-813	Black Iron 1-1/4" x 3-1/2"	25	9.59
R54-540	Black Iron 1-1/4" x 4"	25	9.59
R55-814	Black Iron 1-1/4" x 4-1/2"	25	11.49
R54-541	Black Iron 1-1/4" x 5"	25	11.49
R55-815	Black Iron 1-1/4" x 5-1/2"	25	13.99
R54-542	Black Iron 1-1/4" x 6"	25	13.99
R55-816	Black Iron 1-1/4" x 7"	15	28.49
R54-543	Black Iron 1-1/4" x 8"	15	28.49
R55-817	Black Iron 1-1/4" x 9"	15	33.99
R54-544	Black Iron 1-1/4" x 10"	1	33.99
R55-818	Black Iron 1-1/4" x 11"	1	38.49
R54-545	Black Iron 1-1/4" x 12"	1	38.49
R87-690	Black Iron 1-1/4" x 18"	1	79.00
R87-691	Black Iron 1-1/4" x 24"	1	109.00
R87-692	Black Iron 1-1/4" x 30"	1	125.00
R87-693	Black Iron 1-1/4" x 36"	1	139.00
R94-280	Black Iron 1-1/4" x 48"	1	179.00
R94-281	Black Iron 1-1/4" x 60"	1	219.00
R94-282	Black Iron 1-1/4" x 72"	1	215.00
R94-283	Black Iron 1-1/4" x 120"	1	299.00
R54-546	Black Iron 1-1/2" x CLS	25	6.55
R54-547	Black Iron 1-1/2" x 2"	25	8.99
R55-819	Black Iron 1-1/2" x 2-1/2"	25	10.49
R54-548	Black Iron 1-1/2" x 3"	25	10.49
R55-820	Black Iron 1-1/2" x 3-1/2"	25	11.49
R54-549	Black Iron 1-1/2" x 4"	25	11.49
R55-821	Black Iron 1-1/2" x 4-1/2"	1	13.99
R54-550	Black Iron 1-1/2" x 5"	1	13.99
R55-822	Black Iron 1-1/2" x 5-1/2"	1	15.99
R54-551	Black Iron 1-1/2" x 6"	20	15.49
R55-824	Black Iron 1-1/2" x 8"	1	32.49
R55-826	Black Iron 1-1/2" x 10"	1	37.99
R55-828	Black Iron 1-1/2" x 12"	1	43.99
R87-694	Black Iron 1-1/2" x 18"	1	85.00
R87-695	Black Iron 1-1/2" x 24"	1	119.00
R87-696	Black Iron 1-1/2" x 30"	1	145.00
R87-697	Black Iron 1-1/2" x 36"	1	165.00
R94-284	Black Iron 1-1/2" x 48"	1	205.00
R94-285	Black Iron 1-1/2" x 60"	1	265.00
R94-286	Black Iron 1-1/2" x 72"	1	249.00
R94-287	Black Iron 1-1/2" x 120"	1	359.00
R54-552	Black Iron 2" x CLS	25	9.69
R55-829	Black Iron 2" x 2-1/2"	25	12.99
R54-553	Black Iron 2" x 3"	1	12.99
R55-830	Black Iron 2" x 3-1/2"	1	15.49
R54-554	Black Iron 2" x 4"	1	15.99
R55-831	Black Iron 2" x 4-1/2"	1	18.49
R54-555	Black Iron 2" x 5"	1	18.49
R55-832	Black Iron 2" x 5-1/2"	1	21.49
R54-556	Black Iron 2" x 6"	1	21.49
R55-039	Black Iron 2" x 7"	1	45.99
R55-040	Black Iron 2" x 8"	1	45.99
R55-833	Black Iron 2" x 9"	1	55.00
R55-834	Black Iron 2" x 10"	1	59.00
R55-835	Black Iron 2" x 11"	1	65.00
R55-041	Black Iron 2" x 12"	1	69.00
R87-574	Black Iron 2" x 18"	1	115.00
R87-575	Black Iron 2" x 24"	1	149.00
R87-698	Black Iron 2" x 30"	1	179.00
R87-576	Black Iron 2" x 36"	1	205.00
R94-288	Black Iron 2" x 48"	1	349.00
R94-289	Black Iron 2" x 60"	1	375.00
R94-166	Black Iron 2" x 120"	1	479.00
R55-042	Black Iron 2-1/2" x CLS	1	45.99
R55-043	Black Iron 2-1/2" x 3"	1	46.99
R55-044	Black Iron 2-1/2" x 3-1/2"	1	59.00
R55-045	Black Iron 2-1/2" x 4-1/2"	1	65.00
R55-046	Black Iron 2-1/2" x 5"	1	65.00
R55-047	Black Iron 2-1/2" x 5-1/2"	1	65.00
R55-048	Black Iron 2-1/2" x 6"	1	65.00
R55-050	Black Iron 2-1/2" x 8"	1	85.00
R55-051	Black Iron 2-1/2" x 10"	1	95.00
R55-052	Black Iron 2-1/2" x 12"	1	105.00

Nipple Kits

- 66 piece assortment include 6 each of close, 1-1/2", 2", 2-1/2", 3", 3-1/2", 4", 4-1/2", 5", 5-1/2", 6"
- 11 piece single run assortment includes one each of sizes close through 6"
- 66 piece assortments are packaged in a handy disposable carrying tray



Order #	Description	Size	Carton Qty.	Each
R87-458	Black Iron	1/2"	66	**315.00**
R87-459	Black Iron	3/4"	66	**405.00**
R88-053	Galvanized	1/2"	66	**369.00**
R88-054	Galvanized	3/4"	66	**455.00**
R58-718	Black Iron	1/2"	11	**59.00**
R58-719	Black Iron	3/4"	11	**75.00**
R58-720	Galvanized	1/2"	11	**69.00**
R58-721	Galvanized	3/4"	11	**85.00**
R58-722	Brass	1/2"	11	**299.00**
R58-723	Brass	3/4"	11	**385.00**

Nipple Caddies

- Store and organize nipples out of water and other liquids
- Chemical, acid, and oil resistant
- High-density polyethylene material
- Drain holes in bottom



Order #	Mfg. #	Description	Each
R88-191	T1005	1/2" Nipple Caddy	**69.00**
R88-192	T1007	3/4" Nipple Caddy	**75.00**
R88-193	T1010	1" Nipple Caddy	**85.00**
R88-194	T1015	1-1/2" Nipple Caddy	**105.00**
R88-195	T1020	2" Nipple Caddy	**109.00**
R88-196	T1057	1/2" and 3/4" Combo Nipple Caddy	**95.00**

Galvanized Nipples



Order #	Description	Size	Carton Qty.	Each
R54-096	Galvanized	1/2" x CLS	25	**2.55**
R54-097	Galvanized	1/2" x 1-1/2"	25	**2.69**
R54-098	Galvanized	1/2" x 2"	25	**3.15**
R54-099	Galvanized	1/2" x 2-1/2"	25	**3.69**
R54-100	Galvanized	1/2" x 3"	25	**4.15**
R54-101	Galvanized	1/2" x 3-1/2"	25	**5.69**
R54-102	Galvanized	1/2" x 4"	25	**5.19**
R54-103	Galvanized	1/2" x 4-1/2"	25	**6.59**
R54-104	Galvanized	1/2" x 5"	25	**6.59**
R54-105	Galvanized	1/2" x 5-1/2"	25	**7.65**
R54-106	Galvanized	1/2" x 6"	25	**7.65**
R58-248	Galvanized	1/2" x 8"	25	**17.49**
R59-029	Galvanized	1/2" x 10"	25	**17.49**
R58-249	Galvanized	1/2" x 12"	25	**17.99**
R87-976	Galvanized	1/2" x 18"	5	**42.49**
R87-584	Galvanized	1/2" x 24"	5	**59.00**
R87-585	Galvanized	1/2" x 30"	5	**69.00**
R87-586	Galvanized	1/2" x 36"	5	**79.00**
R94-174	Galvanized	1/2' x 48"	5	**99.00**
R94-175	Galvanized	1/2" x 60"	5	**119.00**

Order #	Description	Size	Carton Qty.	Each
R94-176	Galvanized	1/2" x 72"	5	**145.00**
R54-107	Galvanized	3/4" x CLS	25	**3.29**
R54-108	Galvanized	3/4" x 1-1/2"	25	**3.69**
R54-109	Galvanized	3/4" x 2"	25	**3.69**
R54-110	Galvanized	3/4" x 2-1/2"	25	**4.55**
R54-111	Galvanized	3/4" x 3"	25	**4.99**
R54-112	Galvanized	3/4" x 3-1/2"	25	**6.55**
R54-113	Galvanized	3/4" x 4"	25	**6.15**
R54-114	Galvanized	3/4" x 4-1/2"	25	**8.15**
R54-115	Galvanized	3/4" x 5"	25	**8.15**
R54-116	Galvanized	3/4" x 5-1/2"	25	**9.85**
R54-117	Galvanized	3/4" x 6"	25	**8.65**
R58-250	Galvanized	3/4" x 12"	25	**21.99**
R87-977	Galvanized	3/4" x 18"	5	**55.00**
R87-587	Galvanized	3/4" x 24"	5	**69.00**
R87-588	Galvanized	3/4" x 30"	5	**85.00**
R87-589	Galvanized	3/4" x 36"	5	**95.00**
R94-177	Galvanized	3/4" x 48"	5	**125.00**
R94-178	Galvanized	3/4" x 60"	5	**149.00**
R94-179	Galvanized	3/4" x 72"	5	**175.00**

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Brass Nipples

- Lead free



Order #	Description	Size	Carton Qty.	Each
R54-873	Brass Nipple	1/8" x CLS	25	**5.79**
R54-874	Brass Nipple	1/8" x 1-1/2"	25	**6.45**
R54-875	Brass Nipple	1/8" x 2"	25	**7.05**
R54-877	Brass Nipple	1/8" x 3"	25	**8.59**
R54-879	Brass Nipple	1/8" x 4"	25	**10.49**
R54-881	Brass Nipple	1/8" x 5"	25	**12.99**
R54-883	Brass Nipple	1/8" x 6"	25	**14.99**
R54-827	Brass Nipple	1/4" x CLS	25	**6.79**
R54-828	Brass Nipple	1/4" x 1-1/2"	25	**7.69**
R54-829	Brass Nipple	1/4" x 2"	25	**8.75**
R54-830	Brass Nipple	1/4" x 2-1/2"	25	**9.55**
R54-831	Brass Nipple	1/4" x 3"	25	**11.49**
R54-832	Brass Nipple	1/4" x 3-1/2"	25	**12.49**
R54-833	Brass Nipple	1/4" x 4"	25	**14.49**
R54-834	Brass Nipple	1/4" x 5"	25	**16.99**
R54-835	Brass Nipple	1/4" x 6"	25	**20.99**
R54-836	Brass Nipple	3/8" x CLS	25	**7.05**
R54-837	Brass Nipple	3/8" x 1-1/2"	25	**8.29**
R54-838	Brass Nipple	3/8" x 2"	25	**9.99**
R54-840	Brass Nipple	3/8" x 3"	25	**13.49**
R54-842	Brass Nipple	3/8" x 4"	25	**16.99**
R54-843	Brass Nipple	3/8" x 5"	25	**19.99**
R54-844	Brass Nipple	3/8" x 6"	25	**23.49**
R54-845	Brass Nipple	1-2" x CLS	25	**9.29**
R54-846	Brass Nipple	1/2" x 1-1/2"	25	**10.99**

Order #	Description	Size	Carton Qty.	Each
R54-847	Brass Nipple	1/2" x 2"	25	**12.99**
R54-848	Brass Nipple	1/2" x 2-1/2"	25	**15.49**
R54-849	Brass Nipple	1/2" x 3"	25	**17.99**
R54-850	Brass Nipple	1/2" x 3-1/2"	25	**20.49**
R54-851	Brass Nipple	1/2" x 4"	25	**22.99**
R54-852	Brass Nipple	1/2" x 4-1/2"	25	**24.99**
R54-853	Brass Nipple	1/2" x 5"	25	**27.49**
R54-854	Brass Nipple	1/2" x 5-1/2"	25	**30.49**
R54-855	Brass Nipple	1/2" x 6"	25	**33.49**
R54-856	Brass Nipple	3/4" x CLS	25	**13.49**
R54-857	Brass Nipple	3/4" x 1-1/2"	25	**14.49**
R54-858	Brass Nipple	3/4" x 2"	25	**16.99**
R54-859	Brass Nipple	3/4" x 2-1/2"	25	**19.49**
R54-860	Brass Nipple	3/4" x 3"	25	**22.99**
R54-861	Brass Nipple	3/4" x 3-1/2"	25	**25.49**
R54-862	Brass Nipple	3/4" x 4"	25	**29.49**
R54-863	Brass Nipple	3/4" x 4-1/2"	25	**31.99**
R54-864	Brass Nipple	3/4" x 5"	25	**35.49**
R54-866	Brass Nipple	3/4" x 6"	25	**42.99**
R54-867	Brass Nipple	1" x CLS	25	**19.99**
R54-868	Brass Nipple	1" x 2"	25	**24.49**
R54-869	Brass Nipple	1" x 3"	25	**32.99**
R54-870	Brass Nipple	1" x 4"	25	**42.49**
R54-871	Brass Nipple	1" x 5"	25	**55.00**
R54-872	Brass Nipple	1" x 6"	25	**65.00**

Black Iron Elbows

- Made in the USA





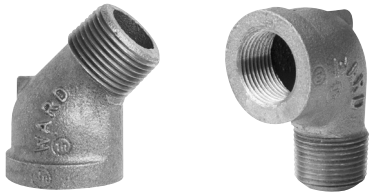
Order #	Description	Size	Carton Qty.	Each
R57-054	45° Elbow	1/8"	35	**14.99**
R57-055	45° Elbow	1/4"	35	**14.99**
R57-056	45° Elbow	3/8"	40	**14.99**
R57-057	45° Elbow	1/2"	50	**10.49**
R57-058	45° Elbow	3/4"	40	**14.49**
R57-059	45° Elbow	1"	25	**17.99**
R57-060	45° Elbow	1-1/4"	10	**33.99**
R57-061	45° Elbow	1-1/2"	10	**41.99**
R57-062	45° Elbow	2"	8	**65.00**
R57-063	45° Elbow	2-1/2"	15	**185.00**
R57-064	90° Elbow	1/8"	35	**10.49**
R57-065	90° Elbow	1/4"	30	**9.95**
R57-066	90° Elbow	3/8"	30	**9.95**
R57-067	90° Elbow	1/2"	50	**6.25**

Order #	Description	Size	Carton Qty.	Each
R57-068	90° Elbow	3/4"	35	**7.55**
R57-069	90° Elbow	1"	20	**13.49**
R57-070	90° Elbow	1-1/4"	20	**25.99**
R57-071	90° Elbow	1-1/2"	8	**33.99**
R57-072	90° Elbow	2"	8	**59.00**
R57-073	90° Elbow	2-1/2"	12	**135.00**
R57-074	90° Reducing Elbow	1/2" x 3/8"	50	**13.49**
R57-075	90° Reducing Elbow	3/4" x 1/2"	30	**13.49**
R57-076	90° Reducing Elbow	1" x 1/2"	25	**18.99**
R57-077	90° Reducing Elbow	1" x 3/4"	20	**17.49**
R57-078	90° Reducing Elbow	1-1/4" x 1"	10	**31.99**
R57-079	90° Reducing Elbow	1-1/2" x 1"	10	**44.99**
R57-080	90° Reducing Elbow	1-1/2" x 1-1/4"	15	**44.99**
R57-081	90° Reducing Elbow	3" x 2-1/2"	4	**335.00**

WARD MFG

Black Iron Street Elbows

- Made in the USA



Order #	Description	Size	Carton Qty.	Each
R57-082	45° Street Elbow	1/2"	50	**15.99**
R57-083	45° Street Elbow	3/4"	40	**25.99**
R57-084	45° Street Elbow	1"	25	**30.49**
R57-085	45° Street Elbow	1-1/4"	25	**55.00**
R57-086	45° Street Elbow	1-1/2"	15	**69.00**
R57-087	90° Street Elbow	1/8"	40	**14.99**
R57-088	90° Street Elbow	1/4"	30	**14.99**
R57-089	90° Street Elbow	3/8"	30	**14.99**

Order #	Description	Size	Carton Qty.	Each
R57-090	90° Street Elbow	1/2"	50	**12.99**
R57-091	90° Street Elbow	3/4"	35	**14.49**
R57-092	90° Street Elbow	1"	20	**20.49**
R57-093	90° Street Elbow	1-1/4"	15	**33.99**
R57-094	90° Street Elbow	1-1/2"	12	**45.49**
R57-095	90° Street Elbow	2"	8	**75.00**
R57-096	90° Street Elbow	2-1/2"	12	**189.00**

WARD MFG

Black Iron Plugs

- Made in the USA



Order #	Size	Carton Qty.	Each
R57-217	1/8"	100	**0.89**
R57-218	1/4"	100	**1.19**
R57-219	3/8"	75	**1.65**
R57-220	1/2"	100	**4.65**
R57-221	3/4"	70	**6.45**

Order #	Size	Carton Qty.	Each
R57-222	1"	40	**6.45**
R57-223	1-1/4"	40	**10.49**
R57-224	1-1/2"	40	**14.49**
R57-225	2"	25	**16.99**
R57-226	2-1/2"	20	**44.99**

WARD MFG

Black Iron Tees

- Made in the USA



Order #	Description	Size	Carton Qty.	Each
R57-133	Tee	1/8"	35	**15.49**
R57-134	Tee	1/4"	35	**14.49**
R57-135	Tee	3/8"	30	**14.49**
R57-136	Tee	1/2"	30	**8.35**
R57-137	Tee	3/4"	20	**11.99**
R57-138	Tee	1"	12	**24.49**
R57-139	Tee	1-1/4"	15	**39.99**
R57-140	Tee	1-1/2"	10	**49.49**
R57-141	Tee	2"	15	**85.00**
R57-142	Tee	2-1/2"	8	**185.00**
R57-143	Reducing Tee	3/4" x 1/2" x 1/2"	30	**22.99**
R57-144	Reducing Tee	3/4" x 1/2" x 3/4"	20	**25.99**
R57-145	Reducing Tee	3/4" x 3/4" x 1/2"	25	**20.49**
R57-146	Reducing Tee	1" x 1/2" x 1/2"	20	**31.99**
R57-147	Reducing Tee	1" x 1/2" x 3/4"	20	**37.99**
R57-148	Reducing Tee	1" x 3/4" x 1/2"	20	**31.99**
R57-149	Reducing Tee	1" x 3/4" x 3/4"	20	**29.99**

Order #	Description	Size	Carton Qty.	Each
R57-150	Reducing Tee	1" x 1" x 1/2"	15	**27.99**
R57-151	Reducing Tee	1" x 1" x 3/4"	25	**27.99**
R57-152	Reducing Tee	1-1/4" x 3/4" x 3/4"	10	**65.00**
R57-153	Reducing Tee	1-1/4" x 3/4" x 1-1/4"	15	**55.00**
R57-154	Reducing Tee	1-1/4" x 1" x 3/4"	15	**55.00**
R57-155	Reducing Tee	1-1/4" x 1 x 1-1/4"	15	**65.00**
R57-156	Reducing Tee	1-1/4" x 1-1/4" x 1/2"	15	**55.00**
R57-157	Reducing Tee	1-1/4" x 1-1/4" x 3/4"	12	**44.99**
R57-158	Reducing Tee	1-1/4" x 1-1/4" x 1"	14	**48.49**
R57-159	Reducing Tee	1-1/2" x 1-1/4" x 1-1/4"	10	**95.00**
R57-160	Reducing Tee	1-1/2" x 1-1/2" x 1"	10	**59.00**
R57-161	Reducing Tee	2" x 1-1/2" x 1-1/2"	8	**115.00**
R57-162	Reducing Tee	2" x 2" x 3/4"	10	**89.00**
R57-163	Reducing Tee	2" x 2" x 1"	10	**89.00**
R57-164	Reducing Tee	2" x 2" x 1-1/4"	8	**95.00**
R57-165	Reducing Tee	2" x 2" x 1-1/2"	8	**95.00**
R57-166	Reducing Tee	2-1/2" x 2-1/2" x 1-1/2"	6	**275.00**

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Black Iron Reducing Bushings

WARD MFG

- Made in the USA

Order #	Size	Carton Qty.	Each
R57-167	1/4" x 1/8"	25	**2.45**
R57-168	3/8" x 1/8"	25	**2.89**
R57-169	3/8" x 1/4"	25	**2.89**
R57-170	1/2" x 1/8"	25	**5.19**
R57-171	1/2" x 1/4"	25	**4.49**
R57-172	1/2" x 3/8"	25	**4.49**
R57-173	3/4" x 1/8"	50	**6.99**
R57-174	3/4" x 1/4"	50	**6.99**
R57-175	3/4" x 3/8"	50	**6.99**
R57-176	3/4" x 1/2"	25	**10.49**
R57-177	1" x 1/2"	25	**11.99**
R57-178	1" x 3/4"	25	**11.99**
R57-179	1-1/4" x 1/2"	25	**17.49**
R57-180	1-1/4" x 3/4"	25	**15.49**
R57-181	1-1/4" x 1"	25	**15.49**

Order #	Size	Carton Qty.	Each
R57-182	1-1/2" x 1/2"	30	**19.99**
R57-183	1-1/2" x 3/4"	30	**19.99**
R57-184	1-1/2" x 1"	30	**17.49**
R57-185	1-1/2" x 1-1/4"	30	**19.49**
R57-186	2" x 1/2"	20	**34.49**
R57-187	2" x 3/4"	20	**27.49**
R57-188	2" x 1"	20	**25.99**
R57-189	2" x 1-1/4"	20	**25.99**
R57-190	2" x 1-1/2"	20	**26.99**
R57-191	2-1/2" x 3/4"	20	**47.99**
R57-192	2-1/2" x 1"	20	**47.99**
R57-193	2-1/2" x 1-1/2"	20	**41.99**
R57-194	2-1/2" x 2"	20	**40.99**
R57-195	3" x 1-1/2"	10	**65.00**
R57-196	3" x 2-1/2"	10	**59.00**



Black Iron Couplings

WARD MFG

- Made in the USA





Order #	Description	Size	Carton Qty.	Each
R57-097	Coupling	1/8"	40	**14.49**
R57-098	Coupling	1/4"	35	**12.49**
R57-099	Coupling	3/8"	40	**12.49**
R57-100	Coupling	1/2"	40	**8.65**
R57-101	Coupling	3/4"	40	**10.49**
R57-102	Coupling	1"	25	**16.99**
R57-103	Coupling	1-1/4"	15	**23.49**
R57-104	Coupling	1-1/2"	10	**31.99**
R57-105	Coupling	2"	8	**46.99**
R57-106	Coupling	2-1/2"	8	**135.00**
R57-107	Reducing Coupling	1/4" x 1/8"	25	**12.99**
R57-108	Reducing Coupling	3/8" x 1/8"	30	**16.99**
R57-109	Reducing Coupling	3/8" x 1/4"	25	**12.99**
R57-110	Reducing Coupling	1/2" x 1/8"	25	**13.49**
R57-111	Reducing Coupling	1/2" x 1/4"	25	**11.99**
R57-112	Reducing Coupling	1/2" x 3/8"	30	**11.49**
R57-113	Reducing Coupling	3/4" x 1/4"	35	**14.99**
R57-114	Reducing Coupling	3/4" x 3/8"	35	**14.99**

Order #	Description	Size	Carton Qty.	Each
R57-115	Reducing Coupling	3/4" x 1/2"	50	**11.49**
R57-116	Reducing Coupling	1" x 1/2"	30	**19.99**
R57-117	Reducing Coupling	1" x 3/4"	25	**19.49**
R57-118	Reducing Coupling	1-1/4" x 1/2"	15	**31.99**
R57-119	Reducing Coupling	1-1/4" x 3/4"	15	**27.49**
R57-120	Reducing Coupling	1-1/4" x 1"	15	**27.49**
R57-121	Reducing Coupling	1-1/2" x 1/2"	15	**40.49**
R57-122	Reducing Coupling	1-1/2" x 3/4"	10	**45.99**
R57-123	Reducing Coupling	1-1/2" x 1"	10	**39.99**
R57-124	Reducing Coupling	1-1/2" x 1-1/4"	10	**34.49**
R57-125	Reducing Coupling	2" x 1/2"	8	**69.00**
R57-126	Reducing Coupling	2" x 3/4"	8	**59.00**
R57-127	Reducing Coupling	2" x 1"	15	**55.00**
R57-128	Reducing Coupling	2" x 1-1/4"	10	**59.00**
R57-129	Reducing Coupling	2" x 1-1/2"	10	**49.99**
R57-130	Reducing Coupling	2-1/2" x 1-1/2"	10	**139.00**
R57-131	Reducing Coupling	3" x 1-1/2"	8	**179.00**
R57-132	Reducing Coupling	3" x 2-1/2"	8	**175.00**

Black Iron Unions

WARD MFG

- Made in the USA



Order #	Size	Carton Qty.	Each
R57-197	1/8"	25	**65.00**
R57-198	1/4"	35	**59.00**
R57-199	3/8"	30	**38.49**
R57-200	1/2"	40	**31.99**
R57-201	3/4"	30	**36.49**

Order #	Size	Carton Qty.	Each
R57-202	1"	25	**55.00**
R57-203	1-1/4"	15	**75.00**
R57-204	1-1/2"	12	**95.00**
R57-205	2"	8	**109.00**
R57-206	2-1/2"	8	**325.00**

WARD MFG

Black Iron Caps



- Made in the USA

Order #	Size	Carton Qty.	Each
R57-208	1/4"	40	**9.15**
R57-209	3/8"	40	**7.65**
R57-210	1/2"	50	**6.29**
R57-211	3/4"	40	**8.55**
R57-212	1"	25	**11.49**

Order #	Size	Carton Qty.	Each
R57-213	1-1/4"	25	**14.99**
R57-214	1-1/2"	20	**22.49**
R57-215	2"	10	**32.99**
R57-216	2-1/2"	6	**75.00**

WARD MFG

Black Iron Floor Flanges



- Made in the USA

Order #	Size	Carton Qty.	Each
R57-227	1-1/4"	30	**43.99**
R57-228	1-1/2"	10	**59.00**
R57-229	2"	15	**69.00**

ASC Engineered Solutions

Elbows



- Brass elbows are lead free

Order #	Description	Size	Carton Qty.	Each
Black Iron Elbows				
R54-606	45° Elbow	1/8"	5	**7.15**
R54-607	45° Elbow	1/4"	5	**5.85**
R54-608	45° Elbow	3/8"	5	**5.85**
R54-515	45° Elbow	1/2"	50	**3.85**
R54-516	45° Elbow	3/4"	40	**6.89**
R54-517	45° Elbow	1"	20	**10.49**
R55-749	45° Elbow	1-1/4"	20	**16.49**
R55-031	45° Elbow	1-1/2"	8	**19.99**
R55-750	45° Elbow	2"	12	**29.99**
R55-035	45° Elbow	2-1/2"	1	**85.00**
R54-603	90° Elbow	1/8"	5	**6.89**
R54-604	90° Elbow	1/4"	5	**5.59**
R54-605	90° Elbow	3/8"	25	**5.59**
R54-118	90° Elbow	1/2"	50	**3.45**
R54-119	90° Elbow	3/4"	35	**4.49**
R54-510	90° Elbow	1"	20	**8.15**
R54-511	90° Elbow	1-1/4"	20	**15.49**
R54-512	90° Elbow	1-1/2"	15	**19.99**
R54-513	90° Elbow	2"	8	**29.99**
R55-751	90° Elbow	2-1/2"	1	**65.00**
R55-752	90° Reducing Elbow	1/2" x 3/8"	5	**5.85**
R54-963	90° Reducing Elbow	3/4" x 1/2"	40	**7.69**

Order #	Description	Size	Carton Qty.	Each
R55-753	90° Reducing Elbow	1" x 1/2"	25	**11.49**
R55-754	90° Reducing Elbow	1" x 3/4"	25	**11.49**
R55-755	90° Reducing Elbow	1-1/4" x 1"	10	**17.99**
R55-854	90° Reducing Elbow	1-1/2" x 1"	10	**21.49**
R55-756	90° Reducing Elbow	1-1/2" x 1-1/4"	8	**21.99**
R55-056	90° Reducing Elbow	3" x 2-1/2"	1	**99.00**
Brass Elbows				
R54-897	45° Elbow	1/8"	5	**15.99**
R54-898	45° Elbow	1/4"	5	**15.99**
R54-899	45° Elbow	3/8"	5	**15.99**
R54-900	45° Elbow	1/2"	5	**20.49**
R54-901	45° Elbow	3/4"	5	**29.99**
R54-902	45° Elbow	1"	20	**55.00**
R54-884	90° Elbow	1/8"	5	**14.99**
R54-885	90° Elbow	1/4"	5	**14.99**
R54-886	90° Elbow	3/8"	5	**14.99**
R54-887	90° Elbow	1/2"	5	**22.49**
R54-888	90° Elbow	3/4"	35	**29.99**
R54-889	90° Elbow	1"	20	**45.99**
Galvanized Elbows				
R59-027	45° Elbow	1/2"	50	**9.89**
R54-082	90° Elbow	3/4"	35	**6.89**
R54-081	90° Elbow	1/2"	50	**4.89**

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Street Elbows

- Brass elbows are lead free



Order #	Description	Size	Carton Qty.	Each
Black Iron Street Elbows				
R55-757	45° Street Elbow	1/2"	25	**6.45**
R55-758	45° Street Elbow	3/4"	5	**9.65**
R55-759	45° Street Elbow	1"	25	**12.99**
R55-760	45° Street Elbow	1-1/4"	10	**24.99**
R55-032	45° Street Elbow	1-1/2"	10	**25.49**
R54-609	90° Street Elbow	1/8"	5	**7.69**
R54-610	90° Street Elbow	1/4"	5	**5.85**
R54-611	90° Street Elbow	3/8"	5	**5.85**
R54-120	90° Street Elbow	1/2"	60	**4.19**
R54-121	90° Street Elbow	3/4"	35	**7.35**
R54-514	90° Street Elbow	1"	40	**10.99**
R55-761	90° Street Elbow	1-1/4"	25	**18.99**
R55-033	90° Street Elbow	1-1/2"	8	**22.99**
R55-762	90° Street Elbow	2"	8	**32.49**
R55-034	90° Street Elbow	2-1/2"	1	**85.00**
Brass Street Elbows				
R54-891	90° Street Elbow	1/8"	5	**22.49**
R54-892	90° Street Elbow	1/4"	5	**22.49**
R54-893	90° Street Elbow	3/8"	5	**22.49**
R54-894	90° Street Elbow	1/2"	5	**27.49**
R54-895	90° Street Elbow	3/4"	5	**38.99**
Galvanized Street Elbows				
R54-083	90° Street Elbow	1/2"	5	**6.09**
R54-084	90° Street Elbow	3/4"	5	**8.65**

Tees

- Brass tees are lead free



Order #	Description	Size	Carton Qty.	Each
Black Iron Tees				
R54-612	Tee	1/8"	5	**8.65**
R54-613	Tee	1/4"	5	**6.69**
R54-614	Tee	3/8"	25	**6.69**
R54-124	Tee	1/2"	35	**4.75**
R54-125	Tee	3/4"	20	**6.59**
R54-126	Tee	1"	25	**13.49**
R54-504	Tee	1-1/4"	14	**19.49**
R54-505	Tee	1-1/2"	12	**24.99**
R54-506	Tee	2"	1	**36.99**
R55-063	Tee	2-1/2"	1	**85.00**
R57-463	Reducing Tee	1/2" x 1/2" x 3/4"	25	**10.99**
R55-763	Reducing Tee	3/4" x 1/2" x 1/2"	25	**10.49**
R55-764	Reducing Tee	3/4" x 1/2" x 3/4"	20	**10.49**
R54-507	Reducing Tee	3/4" x 3/4" x 1/2"	20	**10.49**
R55-765	Reducing Tee	1" x 1/2" x 1/2"	20	**15.99**
R55-766	Reducing Tee	1" x 1/2" x 3/4"	20	**15.99**
R57-464	Reducing Tee	1" x 1/2" x 1"	15	**15.99**
R55-767	Reducing Tee	1" x 3/4" x 1/2"	20	**15.99**
R55-768	Reducing Tee	1" x 3/4" x 3/4"	15	**15.99**
R57-465	Reducing Tee	1" x 3/4" x 1"	15	**15.99**
R55-769	Reducing Tee	1" x 1" x 1/2"	15	**15.99**
R54-508	Reducing Tee	1" x 1" x 3/4"	12	**15.99**
R55-770	Reducing Tee	1-1/4" x 3/4" x 3/4"	10	**23.49**
R55-771	Reducing Tee	1-1/4" x 3/4" x 1-1/4"	10	**23.49**
R55-772	Reducing Tee	1-1/4" x 1" x 3/4"	20	**23.49**
R55-773	Reducing Tee	1-1/4" x 1 x 1-1/4"	20	**23.49**
R55-774	Reducing Tee	1-1/4" x 1-1/4" x 1/2"	20	**23.49**
R54-509	Reducing Tee	1-1/4" x 1-1/4" x 3/4"	20	**23.49**
R55-775	Reducing Tee	1-1/4" x 1-1/4" x 1"	20	**23.49**
R55-776	Reducing Tee	1-1/2" x 1-1/4" x 1-1/4"	12	**31.49**
R55-777	Reducing Tee	1-1/2" x 1-1/2" x 1"	15	**31.49**
R55-778	Reducing Tee	2" x 1-1/2" x 1-1/2"	8	**43.99**
R55-779	Reducing Tee	2" x 2" x 3/4"	10	**43.99**
R55-780	Reducing Tee	2" x 2" x 1"	10	**43.99**
R55-855	Reducing Tee	2" x 2" x 1-1/4"	8	**43.99**
R55-781	Reducing Tee	2" x 2" x 1-1/2"	8	**43.99**
R55-053	Reducing Tee	2-1/2" x 2-1/2" x 1-1/2"	1	**99.00**
Brass Tees				
R54-903	Tee	1/8"	5	**20.49**
R54-904	Tee	1/4"	5	**20.49**
R54-905	Tee	3/8"	5	**20.49**
R54-906	Tee	1/2"	5	**25.49**
R54-907	Tee	3/4"	25	**36.49**
R54-908	Tee	1"	25	**65.00**
Galvanized Tees				
R54-087	Tee	1/2"	25	**6.55**
R54-088	Tee	3/4"	20	**8.99**
R54-089	Tee	1"	25	**15.49**
R55-057	Reducing Tee	1" x 1/2" x 1"	15	**18.49**

Plugs

- Brass plugs are lead free



Order #	Description	Size	Carton Qty.	Each
Black Iron Plugs				
R54-624	Plug	1/8"	25	4.45
R54-625	Plug	1/4"	25	3.55
R54-626	Plug	3/8"	5	3.55
R54-481	Plug	1/2"	50	2.75
R54-482	Plug	3/4"	30	4.15
R54-483	Plug	1"	20	5.59
R54-484	Plug	1-1/4"	25	7.75
R54-485	Plug	1-1/2"	5	9.09
R54-486	Plug	2"	20	12.99
R55-067	Plug	2-1/2"	16	20.99
Brass Plugs				
R54-927	Plug	1/8"	25	9.59
R54-928	Plug	1/4"	5	9.59
R54-929	Plug	3/8"	5	9.59
R54-930	Plug	1/2"	5	15.49
R54-931	Plug	3/4"	30	17.49
R54-932	Plug	1"	20	22.99

Reducing Bushings

- Brass bushings are lead free



Order #	Description	Size	Carton Qty.	Each
Black Iron Reducing Bushings				
R54-636	Bushing	1/4" x 1/8"	25	4.25
R54-637	Bushing	3/8" x 1/8"	5	4.25
R54-638	Bushing	3/8" x 1/4"	25	4.25
R54-639	Bushing	1/2" x 1/8"	25	4.25
R54-640	Bushing	1/2" x 1/4"	25	4.25
R54-641	Bushing	1/2" x 3/8"	25	4.25
R54-642	Bushing	3/4" x 1/8"	5	4.65
R54-643	Bushing	3/4" x 1/4"	5	4.65
R54-644	Bushing	3/4" x 3/8"	5	4.65
R54-127	Bushing	3/4" x 1/2"	40	3.69
R55-782	Bushing	1" x 1/2"	30	6.69
R54-128	Bushing	1" x 3/4"	30	6.69
R55-783	Bushing	1-1/4" x 1/2"	5	10.49
R54-499	Bushing	1-1/4" x 3/4"	30	10.49
R54-500	Bushing	1-1/4" x 1"	30	10.49
R55-784	Bushing	1-1/2" x 1/2"	25	12.99
R55-785	Bushing	1-1/2" x 3/4"	25	12.99
R55-786	Bushing	1-1/2" x 1"	25	12.99
R54-501	Bushing	1-1/2" x 1-1/4"	25	12.99
R55-787	Bushing	2" x 1/2"	20	17.49
R55-788	Bushing	2" x 3/4"	20	17.49
R55-789	Bushing	2" x 1"	20	17.49
R54-502	Bushing	2" x 1-1/4"	20	17.49
R54-503	Bushing	2" x 1-1/2"	20	17.49
R55-853	Bushing	2-1/2" x 3/4"	15	21.99
R55-062	Bushing	2-1/2" x 1"	15	22.49
R55-058	Bushing	2-1/2" x 1-1/2"	12	21.99
R55-059	Bushing	2-1/2" x 2"	12	24.49
R55-061	Bushing	3" x 1-1/2"	8	33.99
R55-060	Bushing	3" x 2-1/2"	6	33.99
Brass Reducing Bushings				
R54-933	Bushing	1/4" x 1/8"	25	11.49
R54-934	Bushing	3/8" x 1/4"	25	11.49
R54-935	Bushing	1/2" x 1/4"	25	11.49
R54-936	Bushing	1/2" x 3/8"	25	11.49
R54-961	Bushing	3/4" x 1/4"	5	19.49
R54-937	Bushing	3/4" x 1/2"	40	15.99
R54-938	Bushing	1" x 3/4"	5	24.49
R54-962	Bushing	3/4" x 3/8"	5	15.99
Galvanized Reducing Bushings				
R54-090	Bushing	3/4" x 1/2"	5	5.59
R54-091	Bushing	1" x 3/4"	5	7.69

MOTOR FINDER

Find the Right Commercial IHP Motor and Save Time

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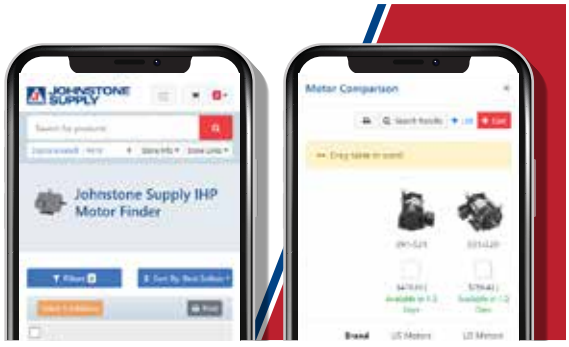

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Couplings

- **R58-244** & **R58-245** are right and left couplings
- Brass couplings are lead free



Order #	Description	Size	Carton Qty.	Each
Black Iron Couplings				
R54-618	Coupling	1/8"	5	**5.05**
R54-619	Coupling	1/4"	5	**4.25**
R54-620	Coupling	3/8"	5	**4.25**
R54-122	Coupling	1/2"	40	**3.19**
R58-244	Right & Left Coupling	1/2"	40	**12.99**
R54-123	Coupling	3/4"	50	**4.05**
R58-245	Right & Left Coupling	3/4"	50	**14.49**
R54-487	Coupling	1"	25	**6.45**
R54-488	Coupling	1-1/4"	20	**11.49**
R54-489	Coupling	1-1/2"	12	**14.99**
R54-490	Coupling	2"	12	**22.49**
R55-852	Coupling	2-1/2"	8	**59.00**
R54-627	Reducing Coupling	1/4" x 1/8"	5	**4.65**
R54-628	Reducing Coupling	3/8" x 1/8"	5	**4.65**
R54-629	Reducing Coupling	3/8" x 1/4"	5	**4.65**
R54-630	Reducing Coupling	1/2" x 1/8"	5	**4.65**
R54-631	Reducing Coupling	1/2" x 1/4"	5	**4.65**
R54-632	Reducing Coupling	1/2" x 3/8"	40	**4.65**
R54-634	Reducing Coupling	3/4" x 1/4"	5	**6.45**
R54-635	Reducing Coupling	3/4" x 3/8"	5	**6.45**
R54-491	Reducing Coupling	3/4" x 1/2"	60	**5.19**
R54-492	Reducing Coupling	1" x 1/2"	30	**8.29**
R54-493	Reducing Coupling	1" x 3/4"	25	**6.65**
R55-790	Reducing Coupling	1-1/4" x 1/2"	25	**11.99**
R54-494	Reducing Coupling	1-1/4" x 3/4"	25	**11.99**
R54-495	Reducing Coupling	1-1/4" x 1"	15	**11.99**
R55-791	Reducing Coupling	1-1/2" x 1/2"	15	**14.99**

Order #	Description	Size	Carton Qty.	Each
R55-792	Reducing Coupling	1-1/2" x 3/4"	15	**14.99**
R55-793	Reducing Coupling	1-1/2" x 1"	15	**14.99**
R54-496	Reducing Coupling	1-1/2" x 1-1/4"	12	**14.99**
R55-036	Reducing Coupling	2" x 1/2"	12	**22.49**
R55-795	Reducing Coupling	2" x 3/4"	12	**22.49**
R55-796	Reducing Coupling	2" x 1"	12	**22.49**
R54-497	Reducing Coupling	2" x 1-1/4"	14	**22.49**
R54-498	Reducing Coupling	2" x 1-1/2"	12	**22.49**
R55-054	Reducing Coupling	2-1/2" x 1-1/2"	1	**55.00**
R55-037	Reducing Coupling	3" x 1-1/2"	1	**85.00**
R55-038	Reducing Coupling	3" x 2-1/2"	1	**85.00**
Brass Couplings				
R54-910	Coupling	1/8"	5	**14.49**
R54-911	Coupling	1/4"	5	**14.99**
R54-912	Coupling	3/8"	5	**14.99**
R54-913	Coupling	1/2"	5	**18.49**
R54-914	Coupling	3/4"	25	**24.49**
R54-915	Coupling	1"	25	**36.49**
R54-916	Reducing Coupling	3/8" x 1/8"	5	**15.99**
R54-917	Reducing Coupling	3/8" x 1/4"	5	**15.99**
R54-918	Reducing Coupling	1/2" x 3/8"	5	**19.49**
R54-919	Reducing Coupling	3/4" x 1/2"	5	**28.99**
R54-920	Reducing Coupling	1" x 3/4"	25	**47.99**
Galvanized Couplings				
R54-085	Coupling	1/2"	25	**4.35**
R54-086	Coupling	3/4"	50	**5.69**
R59-028	Reducing Coupling	3/4" x 1/2"	60	**10.49**

Unions

- Brass unions are lead free



Order #	Description	Size	Carton Qty.	Each
Black Iron Unions				
R54-621	Union	1/8"	5	**23.49**
R54-622	Union	1/4"	20	**22.49**
R54-623	Union	3/8"	20	**22.49**
R54-129	Union	1/2"	50	**17.99**
R54-130	Union	3/4"	40	**22.49**
R54-518	Union	1"	30	**32.99**
R54-519	Union	1-1/4"	20	**43.49**
R54-520	Union	1-1/2"	15	**65.00**
R54-521	Union	2"	10	**95.00**
R55-064	Union	2-1/2"	1	**145.00**

Order #	Description	Size	Carton Qty.	Each
Brass Unions				
R54-939	Union	1/8"	5	**55.00**
R54-940	Union	1/4"	20	**55.00**
R54-941	Union	3/8"	20	**55.00**
R54-942	Union	1/2"	5	**59.00**
R54-943	Union	3/4"	5	**79.00**
R54-944	Union	1"	5	**105.00**
Galvanized Unions				
R54-092	Union	1/2"	5	**25.99**
R54-093	Union	3/4"	5	**32.99**

Caps



- Brass caps are lead free

Order #	Description	Size	Carton Qty.	Each
Black Iron Caps				
R54-615	Cap	1/8"	5	**4.89**
R54-616	Cap	1/4"	5	**4.05**
R54-617	Cap	3/8"	5	**4.05**
R54-131	Cap	1/2"	75	**3.19**
R54-132	Cap	3/4"	40	**3.65**
R54-480	Cap	1"	25	**6.45**
R55-797	Cap	1-1/4"	25	**8.99**
R55-065	Cap	1-1/2"	25	**11.99**
R55-798	Cap	2"	15	**16.49**
R55-066	Cap	2-1/2"	20	**33.49**

Order #	Description	Size	Carton Qty.	Each
Brass Caps				
R54-921	Cap	1/8"	5	**10.99**
R54-922	Cap	1/4"	5	**10.99**
R54-923	Cap	3/8"	5	**10.99**
R54-924	Cap	1/2"	5	**14.99**
R54-925	Cap	3/4"	5	**19.49**
R54-926	Cap	1"	25	**30.49**
Galvanized Caps				
R54-094	Cap	1/2"	25	**4.35**
R54-095	Cap	3/4"	40	**5.25**

Black Iron Floor Flanges



Order #	Description	Size	Carton Qty.	Each
R55-836	Floor Flange	1-1/4"	15	**29.99**
R55-837	Floor Flange	1-1/2"	12	**34.99**
R55-838	Floor Flange	2"	8	**41.99**

Dektite Pipe Flashing



- For metal roofs
- Flexible, corrosion resistant aluminum base conforms to any panel configuration
- Pipe diameter markings are clearly indicated on pleated rubber cone for an accurate fit
- One piece construction, easy to install
- Gray EPDM has a continuous service temperature range of -65°F to +250°F
- Red Silicone has a continuous service temperature range of -40°F to +350°F
- Use **R55-851** Scots Teks screws with seal for installation

Order #	Mfg. #	Description	Size	Each
R87-725	4009910	Gray EPDM	1/4" to 5"	**65.00**
R87-726	4016910	Gray EPDM	4" to 7"	**89.00**
R87-727	4025910	Gray EPDM	7" to 13"	**225.00**

Teks® Scots™ Steel-to-Steel Self-Drilling Screws



- Use to install Dektite Pipe Flashing
- Includes EPDM rubber washer

Order #	Mfg. #	Description	Pkg. Qty.	Each
R55-851	1175153	1/4-14 x 1-1/8"	250	**219.00**

PVC Flue Cap for High Efficiency Furnace



- Use in 90% AFUE applications with PVC flue pipe
- Universal flue cap fits 1.5", 2" and 3" PVC pipe
- Reduces draft inducer motor rust
- Helps eliminate pressure switch service calls
- Resistant to UV radiation and oxidative degradation
- Install with PVC cement

Order #	Mfg. #	Description	Each
R55-713	ECAP321	PVC Flue Cap	**25.99**

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N-Take 2

Alternate Intake for Combustible Air

- This unique device is installed within the draft induction supply line in between the outdoor intake and the furnace
- When a blocked intake would normally result in a no heat call, and a shut down furnace, the N-Take 2 opens due to a slight vacuum inside the pipe
- Not to be used as a primary combustion inlet
- For blocked intake on all 2" and 3" PVC
- Installs in PVC tee fitting



Order #	Mfg. #	Description	Each
R56-668	NT02	N-Take 2 Alternate Intake	**55.00**

PVC Roof Flashing

- Used to vent PVC from 90%+ furnaces
- No caulk required
- Slips over vent stack and automatically adjusts to pipe size and roof angle
- 28 gauge galvanized steel


A


B

Fig.	Order #	Mfg. #	Description	Size	Each
A	**R87-598**	5-11853	Galvanized	2"	**33.49**
A	**R87-599**	5-11866	Galvanized	3"	**40.99**
A	**R87-757**	5-11879	Galvanized	4"	**44.99**
B	**R88-063**	530-11909	Thermoplastic	2"	**25.49**
B	**R88-064**	530-11910	Thermoplastic	3"	**25.49**
B	**R88-065**	530-11911	Thermoplastic	4"	**25.49**

Concentric Vent Termination Kits

- Allows single hole roof or wall terminations
- Horizontal vents are flush mount
- PVC


A


B

Fig.	Order #	Mfg. #	Description	Size	Extended Length	Each
A	**L92-357**	CVENT-2	Vertical or Horizontal	2"	34-3/4"	**99.00**
A	**L95-802**	CVENT-2-EXT	Vertical or Horizontal	2"	60"	**149.00**
A	**L92-358**	CVENT-3	Vertical or Horizontal	3"	39-3/4"	**139.00**
A	**L95-803**	CVENT-3-EXT	Vertical or Horizontal	3"	60"	**189.00**
A	**L94-052**	CVENT-4	Vertical or Horizontal	4"	57-1/4"	**325.00**
B	**L81-306**	HVENT-2	Horizontal Flush Mount	2"	—	**85.00**
B	**L81-307**	HVENT-3	Horizontal Flush Mount	3"	—	**95.00**

PVC Pipe

- For cold water pressure applications, irrigation and sprinkler systems (depending on model)
- Condensate drains
- PVC Schedule 40 drain, waste and vent (1-1/4", 1-1/2", 2" and 3" only)
- High chemical resistance to many oils, acids, alkalis, etc.
- 10' standard lengths

Note: Venting for 90%+ furnaces (2", 2-1/2" and 3" only)



Order #	Mfg. #	Nom. Size	PVC Type	Application	Type
R94-075	PVCSDR213/410	3/4"	SDR 21	Pressure Pipe	Solid
R94-080	PVC401/210	1/2"	SCH 40	Pressure Pipe	Solid
R94-081	PVC403/410	3/4"	SCH 40	Pressure Pipe	Solid
R94-088	PVC40110	1"	SCH 40	Pressure Pipe	Solid
R94-127	PVC4011/410	1-1/4"	SCH 40	DWV	Solid
R94-167	PVC4011/210	1-1/2"	SCH 40	Pressure Pipe	Solid
R94-180	PVC40210	2"	SCH 40	Pressure Pipe	Solid
R94-181	PVC40310	3"	SCH 40	Pressure Pipe	Solid
R94-089	PVCFOAM11/210	1-1/2"	SCH 40	DWV	Cell Core
R94-090	PVCFOAM210	2"	SCH 40	DWV	Cell Core
R94-098	PVCFOAM310	3"	SCH 40	DWV	Cell Core

MUELLER STREAMLINE CO.

Couplings



Order #	Mfg. #	Size	PVC Type	Conn.	Pkg. Qty.
R53-832	429-005	1/2"	SCH 40	Slip x Slip	50
R53-833	429-007	3/4"	SCH 40	Slip x Slip	50
R54-239	429-010	1"	SCH 40	Slip x Slip	50
R54-694	429-012	1-1/4"	SCH 40	Slip x Slip	25
R54-243	429-015	1-1/2"	SCH 40	Slip x Slip	25
R54-247	429-020	2"	SCH 40	Slip x Slip	25
R54-267	429-025	2-1/2"	SCH 40	Slip x Slip	10
R55-995	429-030	3"	SCH 40	Slip x Slip	1
R55-996	429-040	4"	SCH 40	Slip x Slip	1
R54-271	05935	3"	DWV	Slip x Slip	50

MUELLER STREAMLINE CO.

Reducer Couplings



A



B



C

Fig.	Order #	Mfg. #	Size	PVC Type	Conn.	Pkg. Qty.
A	**R55-990**	429-131	1" x 3/4"	SCH 40	Slip x Slip	50
A	**R55-991**	429-338	3" x 2"	SCH 40	Slip x Slip	5
B	**R56-660**	05948	2" x 1-1/2"	DWV	Hub x Hub	25

Fig.	Order #	Mfg. #	Size	PVC Type	Conn.	Pkg. Qty.
B	**R55-992**	05950	3" X 2"	DWV	Hub x Hub	20
C	**R55-993**	02950	3" x 2"	ABS	Hub x Hub	20

MUELLER STREAMLINE CO.

Union with Buna O-Ring



Order #	Mfg. #	Size	PVC Type	Conn.	Pkg. Qty.
R55-994	457-007	3/4"	SCH 40	Slip x Slip	10
R59-032	457-010	1"	SCH 40	Slip x Slip	10

ASC Engineered Solutions

PVC Ball Valves



- 150 PSI
- PVC schedule 40
- 1/4" turn operation, solvent fittings

Order #	Mfg. #	Size	Each	10 Lot
R54-171	4377000510	3/4"	**9.35**	**7.95**
R54-172	4377000520	1"	**11.99**	**10.49**

MUELLER STREAMLINE CO.

Tees



A



B



C

Fig.	Order #	Mfg. #	Size	PVC Type	Conn.	Pkg. Qty.
A	**R53-838**	401-005	1/2"	SCH 40	Slip x Slip x Slip	50
A	**R53-839**	401-007	3/4"	SCH 40	Slip x Slip x Slip	50
B	**R55-530**	402-007	3/4"	SCH 40	Slip x Slip x FPT	50
A	**R54-236**	401-010	1"	SCH 40	Slip x Slip x Slip	50
A	**R54-691**	401-012	1-1/4"	SCH 40	Slip x Slip x Slip	25
A	**R54-240**	401-015	1-1/2"	SCH 40	Slip x Slip x Slip	25
A	**R54-244**	401-020	2"	SCH 40	Slip x Slip x Slip	10
A	**R54-270**	401-025	2-1/2"	SCH 40	Slip x Slip x Slip	10
A	**R55-528**	401-030	3"	SCH 40	Slip x Slip x Slip	10
A	**R55-529**	401-040	4"	SCH 40	Slip x Slip x Slip	5
C	**R56-004**	05753	2"	DWV - Sanitary	Hub x Hub x Hub	35
C	**R54-274**	05754	3"	DWV - Sanitary	Hub x Hub x Hub	20

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90° Ells

MUELLER STREAMLINE CO.

Order #	Mfg. #	Size	PVC Type	Conn.	Pkg. Qty.
R53-834	406-005	1/2"	SCH 40	Slip x Slip	50
R53-835	406-007	3/4"	SCH 40	Slip x Slip	50
R53-988	407-007	3/4"	SCH 40	Slip x FTP	50
R54-237	406-010	1"	SCH 40	Slip x Slip	50
R54-693	406-012	1-1/4"	SCH 40	Slip x Slip	25
R54-241	406-015	1-1/2"	SCH 40	Slip x Slip	25
R54-245	406-020	2"	SCH 40	Slip x Slip	25
R54-268	406-025	2-1/2"	SCH 40	Slip x Slip	10
R55-531	406-030	3"	SCH 40	Slip x Slip	10
R55-532	406-040	4"	SCH 40	Slip x Slip	5
R54-248	05877	2"	DWV	Hub x Hub	50
R54-272	05878	3"	DWV	Hub x Hub	25



90° Ells — Long Sweep

MUELLER STREAMLINE CO.

Fig.	Order #	Mfg. #	Size	PVC Type	Conn.	Pkg. Qty.
A	**R55-001**	05872	2"	DWV	Hub x Hub	25
A	**R55-002**	05873	3"	DWV	Hub x Hub	20
B	**R55-003**	06061	2"	DWV	Hub x Street	25
B	**R55-004**	06063	3"	DWV	Hub x Street	20



A B

90° Ells — Street & MPT

MUELLER STREAMLINE CO.

Fig.	Order #	Mfg. #	Size	PVC Type	Conn.	Pkg. Qty.
A	**R54-277**	409-005	1/2"	SCH 40	SPG (Street) x Slip	50
A	**R54-278**	409-007	3/4"	SCH 40	SPG (Street) x Slip	50
A	**R55-533**	409-010	1"	SCH 40	SPG (Street) x Slip	50
A	**R55-534**	409-012	1-1/4"	SCH 40	SPG (Street) x Slip	25
A	**R55-535**	409-015	1-1/2"	SCH 40	SPG (Street) x Slip	25
A	**R55-536**	409-020	2"	SCH 40	SPG (Street) x Slip	10
B	**R55-537**	410-005	1/2"	SCH 40	Slip x MPT	50
B	**R53-989**	410-007	3/4"	SCH 40	Slip x MPT	50
B	**R55-538**	410-010	1"	SCH 40	Slip x MPT	50
B	**R55-539**	410-012	1-1/4"	SCH 40	Slip x MPT	25
B	**R55-540**	410-015	1-1/2"	SCH 40	Slip x MPT	25
B	**R55-541**	410-020	2"	SCH 40	Slip x MPT	20
—	**R54-998**	05881	2"	DWV	Hub x Street	50
—	**R54-999**	05882	3"	DWV	Hub x Street	20



A B

45° Ells

MUELLER STREAMLINE CO.

Order #	Mfg. #	Size	PVC Type	Conn.	Pkg. Qty.
R53-836	417-005	1/2"	SCH 40	Slip x Slip	50
R53-837	417-007	3/4"	SCH 40	Slip x Slip	50
R54-238	417-010	1"	SCH 40	Slip x Slip	50
R54-692	417-012	1-1/4"	SCH 40	Slip x Slip	25
R54-242	417-015	1-1/2"	SCH 40	Slip x Slip	25
R54-246	417-020	2"	SCH 40	Slip x Slip	10
R54-269	417-025	2-1/2"	SCH 40	Slip x Slip	10
R55-542	417-030	3"	SCH 40	Slip x Slip	10
R55-543	417-040	4"	SCH 40	Slip x Slip	5
R55-999	05886	2"	DWV	Hub x Hub	50
R54-273	05887	3"	DWV	Hub x Hub	20
R54-996	05891	2"	DWV	Hub x Street	50
R54-997	05892	3"	DWV	Hub x Street	20



MUELLER STREAMLINE CO.

Caps



Order #	Mfg. #	Size	PVC Type	Conn.	Pkg. Qty.
R54-286	447-005	1/2"	SCH 40	Slip	50
R54-287	447-007	3/4"	SCH 40	Slip	50
R55-582	447-010	1"	SCH 40	Slip	50
R54-696	447-012	1-1/4"	SCH 40	Slip	25
R55-583	447-015	1-1/2"	SCH 40	Slip	25
R55-584	447-020	2"	SCH 40	Slip	10
R55-585	447-025	2-1/2"	SCH 40	Slip	10
R55-586	447-030	3"	SCH 40	Slip	10
R55-587	447-040	4"	SCH 40	Slip	5
R55-588	448-005	1/2"	SCH 40	FPT	50
R55-589	448-007	3/4"	SCH 40	FPT	50
R55-590	448-010	1"	SCH 40	FPT	50
R55-591	448-012	1-1/4"	SCH 40	FPT	25
R55-592	448-015	1-1/2"	SCH 40	FPT	25

MUELLER STREAMLINE CO.

Plugs



Fig.	Order #	Mfg. #	Size	PVC Type	Conn.	Pkg. Qty.
A	**R55-593**	449-005	1/2"	SCH 40	SPIG	50
A	**R55-594**	449-007	3/4"	SCH 40	SPIG	50
A	**R55-595**	449-010	1"	SCH 40	SPIG	50
A	**R56-005**	449-020	2"	SCH 40	SPIG	10
B	**R54-981**	450-005	1/2"	SCH 40	MPT	50
B	**R54-982**	450-007	3/4"	SCH 40	MPT	50
B	**R56-006**	450-010	1"	SCH 40	MPT	50
B	**R55-598**	450-015	1-1/2"	SCH 40	MPT	25
B	**R55-599**	450-020	2"	SCH 40	MPT	10

MUELLER STREAMLINE CO.

Traps



Fig.	Order #	Mfg. #	Description	Size	PVC Type	Pkg. Qty.
A	**R53-845**	489-007	P	3/4"	SCH 40	50
A	**R56-026**	489-010	P	1"	SCH 40	10
B	**R53-846**	488-005	R	1/2"	SCH 40	50
B	**R53-847**	488-007	R	3/4"	SCH 40	50

DIVERSITECH

PVC J Trap



- Schedule 40 slip x slip

Order #	Mfg. #	Description	Size	PVC Type	Pkg. Qty.
R56-861	5-414	J	3/4"	SCH 40	100

PartStock™

What You Need, When You Need It

Streamline your HVACR installations with a smart, data-driven inventory solution.

Replenish Your Inventory
Lower Job Costs
One Touch Shopping
Easy Review & Approval



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Ask your Johnstone Sales Representative about PartStock

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Bushings

MUELLER STREAMLINE CO.

Fig.	Order #	Mfg. #	Size	PVC Type	Conn.	Pkg. Qty.
A	**R54-279**	437-101	3/4" x 1/2"	SCH 40	SPG (Street) x Slip	50
A	**R55-555**	437-130	1" x 1/2"	SCH 40	SPG (Street) x Slip	50
A	**R54-280**	437-131	1" x 3/4"	SCH 40	SPG (Street) x Slip	50
A	**R55-557**	437-167	1-1/4" x 3/4"	SCH 40	SPG (Street) x Slip	25
A	**R55-558**	437-168	1-1/4" x 1"	SCH 40	SPG (Street) x Slip	25
A	**R55-559**	437-210	1-1/2" x 3/4"	SCH 40	SPG (Street) x Slip	25
A	**R54-281**	437-211	1-1/2" x 1"	SCH 40	SPG (Street) x Slip	25
A	**R54-689**	437-212	1-1/2" x 1-1/4"	SCH 40	SPG (Street) x Slip	25
A	**R55-560**	437-249	2" x 1"	SCH 40	SPG (Street) x Slip	10
A	**R55-561**	437-250	2" x 1-1/4"	SCH 40	SPG (Street) x Slip	10
A	**R54-282**	437-251	2" x 1-1/2"	SCH 40	SPG (Street) x Slip	10
A	**R54-283**	437-292	2-1/2" x 2"	SCH 40	SPG (Street) x Slip	10
A	**R54-284**	437-338	3" x 2"	SCH 40	SPG (Street) x Slip	10
A	**R54-285**	437-339	3" x 2-1/2"	SCH 40	SPG (Street) x Slip	10
B	**R55-564**	438-101	3/4" x 1/2"	SCH 40	SPG (Street) x FPT	50
B	**R55-565**	438-130	1" x 1/2"	SCH 40	SPG (Street) x FPT	50
B	**R55-566**	438-131	1" x 3/4"	SCH 40	SPG (Street) x FPT	50
B	**R55-567**	438-166	1-1/4" x 1/2"	SCH 40	SPG (Street) x FPT	25
B	**R55-568**	438-167	1-1/4" x 3/4"	SCH 40	SPG (Street) x FPT	25
B	**R55-569**	438-168	1-1/4" x 1"	SCH 40	SPG (Street) x FPT	25
B	**R55-570**	438-210	1-1/2" x 3/4"	SCH 40	SPG (Street) x FPT	25
B	**R55-571**	438-211	1-1/2" x 1"	SCH 40	SPG (Street) x FPT	25
B	**R55-572**	438-212	1-1/2" x 1-1/4"	SCH 40	SPG (Street) x FPT	25
B	**R55-997**	438-247	2" x 1/2"	SCH 40	SPG (Street) x FPT	10
B	**R55-998**	438-248	2" x 3/4"	SCH 40	SPG (Street) x FPT	10
B	**R55-573**	438-249	2" x 1"	SCH 40	SPG (Street) x FPT	10
B	**R55-575**	438-251	2" x 1-1/2"	SCH 40	SPG (Street) x FPT	10
B	**R55-578**	438-338	3" x 2"	SCH 40	SPG (Street) x FPT	10
B	**R55-581**	438-422	4" x 3"	SCH 40	SPG (Street) x FPT	5



A



B

Adapters

MUELLER STREAMLINE CO.

Fig.	Order #	Mfg. #	Size	PVC Type	Conn.	Pkg. Qty.
A	**R55-544**	435-005	1/2"	SCH 40	Slip x FPT	50
A	**R53-841**	435-074	1/2" x 3/4"	SCH 40-Reducing	Slip x FPT	50
A	**R53-840**	435-007	3/4"	SCH 40	Slip x FPT	50
A	**R55-549**	435-131	1" x 3/4"	SCH 40-Reducing	Slip x FPT	50
A	**R55-545**	435-010	1"	SCH 40	Slip x FPT	50
A	**R55-546**	435-012	1-1/4"	SCH 40	Slip x FPT	25
A	**R55-547**	435-015	1-1/2"	SCH 40	Slip x FPT	25
A	**R55-548**	435-020	2"	SCH 40	Slip x FPT	20
B	**R55-550**	436-005	1/2"	SCH 40	Slip x MPT	50
B	**R53-843**	436-101	1/2" x 3/4"	SCH 40-Reducing	Slip x MPT	50
B	**R53-842**	436-007	3/4"	SCH 40	Slip x MPT	50
B	**R54-276**	436-131	3/4" x 1"	SCH 40-Reducing	Slip x MPT	50
B	**R54-275**	436-010	1"	SCH 40	Slip x MPT	50
B	**R55-552**	436-102	1" x 3/4"	SCH 40-Reducing	Slip x MPT	50
B	**R55-553**	436-132	1-1/4" x 1"	SCH 40-Reducing	Slip x MPT	25
B	**R54-695**	436-012	1-1/4"	SCH 40	Slip x MPT	25
B	**R55-554**	436-212	1-1/2" x 1-1/4"	SCH 40-Reducing	Slip x MPT	25
B	**R54-690**	436-015	1-1/2"	SCH 40	Slip x MPT	25
B	**R55-551**	436-020	2"	SCH 40	Slip x MPT	10



A



B

Arctic™ 616 Low VOC

RECTORSEAL
A CSW Industrials Company

- Clear, medium-body cement specifically formulated to give optimum solvent welding penetration of pipe and fitting surfaces
- Specifically designed for use in cold weather (0°F to +120°F)
- For use on all PVC pipe applications through 6" Schedule 40 and 1-1/4" Schedule 80



Order #	Mfg. #	Size	Each
G80-558	55919	16 Oz.	**37.49**

RECTORSEAL
A CSW Industrials Company



Hot™ 203 Low VOC

- Used for joining PVC pipe and socket type fittings
- Blue color helps assure full coverage during application
- Sets very fast — rigid PVC pipe may be handled and pressure tested after only 15 minutes
- Will accept full line pressure after only one hour on rigid PVC pipe connections
- Excellent in cold weather applications
- Safe for potable water systems

Order #	Mfg. #	Size	Each
G32-684	55988	1/4 Pint Dauber Top	**15.99**
G35-568	55989	1/2 Pint Dauber Top	**24.49**
G35-569	55990	1 Pint Dauber Top	**35.49**

RECTORSEAL
A CSW Industrials Company



Gene™ 404 PVC Low VOC Solvent Cement

- For PVC types I and II through 2"
- Schedule 40 (except Schedule 80) on potable water, pressure pipe, conduit, drain pipe and drain waste vent (DWV)
- Fast setting
- Color: clear
- NSF and UPC listed

Order #	Mfg. #	Description	Size	Each
G31-253	55901	PVC Cement	1/4 Pint	**13.99**
G31-743	55904	PVC Cement	Pint	**25.99**

RECTORSEAL
A CSW Industrials Company



Hazardous Material Shipping Alert

Jim™ PVC Low VOC Primer

- Hi-Etch primer/cleaner for PVC and CPVC plastic pipe
- Two-year shelf life
- Color: purple
- NSF and UPC listed

Order #	Mfg. #	Description	Size	Each
G31-744	55912	PVC Primer	1/2 Pint	**19.99**
G31-745	55914	PVC Primer	Pint	**30.49**

RECTORSEAL
A CSW Industrials Company

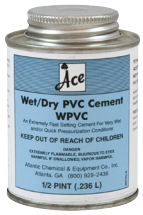


Clear PR-2L Low VOC Primer

- Hi-Etch primer/cleaner for PVC and CPVC plastic pipe
- Dauber applicator included
- Two-year shelf life
- Color: Clear
- NSF and UPC listed

Order #	Mfg. #	Size	Each
G36-409	55972	Pint	**34.99**
G80-773	55981	Quart	**47.49**

Ace



Wet/Dry PVC Cement

- Fast drying, solvent-based blue PVC cement
- Joins all classes and schedules of PVC pipe and up to 6"; Schedule 60 PVC pipe and fittings up to 4"
- Excellent for applications where moisture is present, or quick pressurization is needed

Order #	Mfg. #	Size	Each
G80-544	WPVC8	1/2 Pint	**25.99**
G80-545	WPVC16	1 Pint	**40.99**

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NuLock Thread and Flange Sealants

Nu-Calgon

- Applications include threaded metal fasteners and flange assemblies, locks and seals metal fasteners and ideal for metal pipe thread, flare and compression fittings
- Use for thread locking bolts/nuts, screws and studs in place
- Protects threads from rusting
- Provides added sealability in flange assemblies
- Quick and easy to apply
- Fast curing
- Excellent chemical resistance
- Excellent temperature range
- Fittings can be removed with hand tools after product cure
- **B22-285**: General purpose formula for thread locking/sealing of metal pipe thread, flare fittings, compression fittings, bolt/nut, screw and stud fasteners; Medium strength, excellent chemical resistance
- **B22-287**: Ideal for flare fitting sealing/locking duty in refrigerant systems due to maximum chemical resistance and higher strength; Also suitable metal pipe thread fittings, bolt/nut, screw and stud fastener applications when added strength is desired.
- **G38-274**: Thread sealant and locker with PTFE for metal pipe thread
- **G38-275**: Sealant for rigid metal faces and flanges to improve sealability; Designed to provide sealing in small gap fill areas of 0.01 inch or smaller; Cures to flexible seal; Excellent chemical resistance; Low strength formula allows for easy flange removal when necessary



Order #	Mfg. #	Description	Size	Each
B22-285	4289-01	NuLock, General Purpose Sealant	50 ml bottle	**55.00**
B22-287	4289-05	NuLock, Refrigerant Thread Sealant	10 ml Bottle	**15.49**
G38-274	4289-03	NuLock, Thread Sealant with PTFE	50 ml tube	**55.00**
G38-275	4289-04	NuLock, Flange Sealant	50 ml tube	**55.00**

Nylog™ Gasket Thread Sealants and Assembly Lube

REFRIGERATION TECHNOLOGIES

- Renders a strong, flexible, lubricative glaze that prevents high pressure leakage
- Provides high tack lubrication
- Will not dry, harden, or contaminate system



Order #	Mfg. #	Description	Each
B22-204	RT200RP	CFC and HCFC Compatible; Will not Contaminate System (2Pk.)	**47.49**
B22-203	RT201BP	Compatible with all Refrigerants; Will not Contaminate System (2 Pk.)	**55.00**

TFE Paste

RECTORSEAL
A CSW Industrials Company

- Thread lubricant and sealant
- Pure white, non-hardening
- Withstands up to 3,000 PSI and temperatures from -50°F to +500°F
- Apply to metal, PVC, CPVC, ABS, polypropylene and nylon pipe
- Do not use on oxygen systems



Order #	Size	Each
R54-263	1 Oz.	**8.85**

Leak Lock Joint Sealer

HIGHSIDE CHEMICALS INC.

- Seals by adhering to internal joint surfaces and by filling joint voids
- Permanent, flexible material keeps joints tight under extremes of vibration at temperatures from -100°F to +400°F and pressures from vacuums to 10,000 PSI
- For all piping metal or plastic to seal refrigerants, petroleum products, natural or manufactured gas, air, steam, water and most chemicals



Hazardous Material Shipping Alert

Order #	Mfg. #	Size	Each
B10-853	HS10001	1.3 Oz.	**18.99**
B11-759	HS10004	4.0 Oz.	**44.49**

No. 5® Pipe Thread Sealant

RECTORSEAL
A CSW Industrials Company

- For use on threaded galvanized steel, iron, brass, copper, aluminum, stainless steel, polyethylene, fiberglass and PVC pipe
- Use with liquids and gases
- Approved for potable water



Order #	Mfg. #	Size	Each
G32-669	25431	Pint	**69.00**
G32-682	25551	1/2 Pint	**41.99**
G31-535	25631	1/4 Pint	**28.49**

RECTORSEAL
A CSW Industrials Company



Tru-Blu™ Pipe Thread Sealant with PTFE

- For high vibration environments like refrigeration applications
- For use on threaded galvanized steel, iron, brass, copper, aluminum, stainless steel, polyethylene, fiberglass and PVC, CPVC and ABS pipe
- Great for use as positive lock and seal on threaded fasteners
- Approved for potable water
- Lead free and contains no metal

Order #	Mfg. #	Size	Each
G80-219	31551	1/2 Pint	**38.49**
G31-536	31631	1/4 Pint	**20.99**

RECTORSEAL
A CSW Industrials Company



T Plus 2® Pipe Thread Compound

- For use on threaded galvanized steel, iron, brass, copper, aluminum, stainless steel, polyethylene, fiberglass and PVC, CPVC and ABS pipe
- Incorporates Teflon®, nylon and polyester in a resinous base
- Non-setting and may be pressurized immediately
- Approved for potable water

Order #	Mfg. #	Size	Each
G32-665	23431	Pint	**75.00**
G32-668	23551	1/2 Pint	**43.99**
G31-537	23631	1/4 Pint	**26.49**

RECTORSEAL
A CSW Industrials Company



TFE Tape

- Provides absolute seal on any pipe or fitting
- Meets MIL-T-22730A specification
- Tolerates -400°F to +500°F

Order #	Description	Each
G21-511	1/2" x 260"	**1.75**
G31-171	1/2" x 520"	**3.45**

RECTORSEAL
A CSW Industrials Company



Yellow TFE Tape

- For use on gas pipe, pressure rating to 10,000 PSI
- Temperature rated -450°F to +500°F
- Meets federal specification T27730-A

Order #	Mfg. #	Size	Each
G32-034	66689	1/2" x 260"	**15.99**

JMF



Female Couplings

- Lead free

Order #	Conn. Size
R57-354	1/4" SAE x 1/8" FPT
R57-355	1/4" SAE x 1/4" FPT
R57-356	1/4" SAE x 3/8" FPT
R57-357	3/8" SAE x 3/8" FPT
R57-358	3/8" SAE x 1/2" FPT

Order #	Conn. Size
R57-359	3/8" SAE x 3/4" FPT
R57-360	1/2" SAE x 3/8" FPT
R57-361	1/2" SAE x 1/2" FPT
R57-362	1/2" SAE x 3/4" FPT

JMF



Male Couplings

- Lead free

Order #	Conn. Size
R57-363	1/4" SAE x 1/8" MIP
R57-364	1/4" SAE x 1/4" MIP
R57-365	1/4" SAE x 1/2" MIP
R57-366	5/16" SAE x 1/4" MIP
R57-367	3/8" SAE x 1/4" MIP
R57-368	1/4" SAE x 3/8" MIP

Order #	Conn. Size
R57-369	3/8" SAE x 3/8" MIP
R57-370	3/8" SAE x 1/2" MIP
R57-371	1/2" SAE x 3/8" MIP
R57-372	1/2" SAE x 1/2" MIP
R57-373	1/2" SAE x 3/4" MIP

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Half Union Elbows

• Lead free



Order #	Conn. Size
R57-374	1/4" SAE x 1/4" FIP
R57-375	3/8" SAE x 1/4" FIP
R57-376	3/8" SAE x 3/8" FIP
R57-377	3/8" SAE x 1/2" FIP

Order #	Conn. Size
R57-378	3/8" SAE x 3/4" FIP
R57-379	1/2" SAE x 3/8" FIP
R57-380	1/2" SAE x 3/4" FIP

Half Union Elbows

• Lead free



Order #	Conn. Size
R57-381	1/4" SAE x 1/8" MIP
R57-382	1/4" SAE x 1/4" MIP
R57-383	1/4" SAE x 3/8" MIP
R57-384	3/8" SAE x 1/4" MIP

Order #	Conn. Size
R57-385	3/8" SAE x 3/8" MIP
R57-386	3/8" SAE x 1/2" MIP
R57-387	3/8" SAE x 3/4" MIP
R57-388	1/2" SAE x 1/2" MIP

Short Flare Nuts



Order #	Mfg. #	Conn. Size	Lot Qty.
R53-138	41S-3	3/16" SAE	10
R53-139	41S-4	1/4" SAE	10
R53-140	41S-5	5/16" SAE	10
R53-141	41S-6	3/8" SAE	10

Order #	Mfg. #	Conn. Size	Lot Qty.
R53-142	41S-8	1/2" SAE	10
R53-136	41S-10	5/8" SAE	5
R53-592	41S-12	3/4" SAE	10

Long Flare Nuts



Order #	Mfg. #	Conn. Size	Lot Qty.
R53-144	41-3	3/16" SAE	10
R53-145	41-4	1/4" SAE	10
R53-146	41-5	5/16" SAE	10

Order #	Mfg. #	Conn. Size	Lot Qty.
R53-147	41-6	3/8" SAE	10
R53-148	41-8	1/2" SAE	10
R53-143	41-10	5/8" SAE	10

Flared Union Couplings

• Lead free



Order #	Conn. Size	Lot Qty.
R57-318	1/4" SAE	10
R57-319	5/16" SAE	10
R57-320	3/8" SAE	10

Order #	Conn. Size	Lot Qty.
R57-321	1/2" SAE	10
R57-322	5/8" SAE	5
R57-323	3/4" SAE	5

Flared Tees

• Lead free



Order #	Conn. Size	Lot Qty.
R57-324	1/4" SAE	10
R57-325	3/8" SAE	10

Order #	Conn. Size	Lot Qty.
R57-326	1/2" SAE	10
R57-327	5/8" SAE	5

Flared Reducing Tee

• Lead free



Order #	Conn. Size	Lot Qty.
R57-328	3/8" SAE x 3/8" SAE x 1/4" SAE	10

Flared Reducing Union Couplings



Order #	Conn. Size	Lot Qty.
R53-612	3/8 SAE x 1/4" SAE	10

Order #	Conn. Size	Lot Qty.
R53-615	1/2 SAE x 3/8" SAE	10

Male Connectors



- Lead free

Order #	Conn. Size
R57-341	3/16" OD x 1/8" MIP
R57-342	1/4" OD x 1/8" MIP
R57-343	1/4" OD x 1/4" MIP
R57-344	1/4" OD x 3/8" MIP
R57-345	3/8" OD x 1/8" MIP
R57-346	3/8" OD x 1/4" MIP
R57-347	3/8" OD x 3/8" MIP

Order #	Conn. Size
R57-348	3/8" OD x 1/2" MIP
R57-349	1/2" OD x 1/4" MIP
R57-350	1/2" OD x 1/2" MIP
R57-351	5/8" OD x 1/2" MIP
R57-352	5/8" OD x 3/4" MIP
R57-353	7/8" OD x 3/4" MIP

Male Break-Away Ferrules



Order #	Conn. Size	Lot Qty.
R53-632	1/8" OD	15
R53-633	3/16" OD	15
R53-634	1/4" OD	15

Order #	Conn. Size	Lot Qty.
R53-635	3/8" OD	6
R53-636	7/16" OD	6

Compression Sleeves



Order #	Mfg. #	Conn. Size
R53-214	60-2	1/8" OD
R53-215	60-3	3/16" OD
R53-216	60-4	1/4" OD
R54-410	60-5	5/16" OD

Order #	Mfg. #	Conn. Size
R53-217	60-6	3/8" OD
R53-595	60-8	1/2" OD
R54-409	60-10	5/8" OD

Female Nuts



Order #	Mfg. #	Conn. Size
R53-219	61-2	1/8" OD
R53-220	61-3	3/16" OD
R53-221	61-4	1/4" OD
R54-565	61-5	5/16" OD

Order #	Mfg. #	Conn. Size
R53-222	61-6	3/8" OD
R53-596	61-8	1/2" OD
R54-411	61-10	5/8" OD

Reducing Tube Unions



- Lead free

Order #	Conn. Size
R57-329	1/4" OD x 3/16" OD

Order #	Conn. Size
R57-330	3/8" OD x 1/4" OD

Tube Unions



- Lead free

Order #	Conn. Size
R57-331	3/16" OD
R57-332	1/4" OD
R57-333	3/8" OD

Order #	Conn. Size
R57-334	1/2" OD
R57-335	5/8" OD

Tube Tees



- Lead free

Order #	Conn. Size
R57-336	1/4" OD x 1/4" OD x 1/4" OD
R57-337	3/8" OD x 3/8" OD x 3/8" OD

Order #	Conn. Size
R57-338	3/8" OD x 3/8" OD x 1/4" OD

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Female Connectors

- Lead free



Order #	Conn. Size
R57-339	1/4" OD x 1/8" FIP

Order #	Conn. Size
R57-340	1/2" OD x 1/2" FIP

Male Elbow Connectors

- Lead free



Order #	Conn. Size
R57-389	1/4" OD x 1/8" MIP
R57-390	1/4" OD x 1/4" MIP
R57-391	3/8" OD x 1/8" MIP
R57-392	3/8" OD x 1/4" MIP

Order #	Conn. Size
R57-393	3/8" OD x 3/8" MIP
R57-394	3/8" OD x 1/2" MIP
R57-395	1/2" OD x 3/8" MIP
R57-396	1/2" OD x 1/2" MIP

Brass Compression Fittings



Order #	Mfg. #	Description	Conn. Size	Each
L39-653	4590-063	Tubing Plug	1/4" OD	**45.99**

Drum Adapters

- Connects charging hose to cylinder
- One gasket included with each drum adapter
- **B11-260** connects 3/4" female pipe with 1/4" male flare
- **R54-463** connects 3/4" female pipe with 3/8" male flare
- **B11-261** is a 3/4" replacement gasket



Order #	Mfg. #	Conn. Size	Each
B11-260	K1-1	3/4" NPS x 1/4" Male Flare	**39.49**
R54-463	K1-3	3/4" NPS x 3/8" Male Flare	**55.00**
R55-146	K1-5	3/4" NPS x 1/2" Male Flare	**65.00**
R55-147	K1-8	1/2" NPS x 1/4" Male Flare	**65.00**
B11-261	K1-E	3/4"	**2.19**

Flaretite Seals

- Loctite™ Vibra copper seal coating for common aluminum and brass fittings
- Loctite™ coating fills minor imperfections, increasing the integrity of the fitting
- Loctite™ protects the face from fretting, galling and over-tightening
- Concentric rings form multiple seals down the face of the flare
- Prevents environmental debris and aggressive cleaning solvents from attacking sealing face
- Rated for -40°F to +300°F temperature
- SAE, 45 degree flare, for inch tubing sizes



Order #	Mfg. #	Description	Each
R58-763	97216	Twin Pack (2 each 1/4" and 2 each 3/8")	**49.49**
R58-764	97215	Twin Pack (2 each 1/4" and 2 each 1/2")	**49.49**
R58-765	97214	Twin Pack (2 each 1/4" and 2 each 5/8")	**59.00**
R58-767	97212	Twin Pack (2 each 3/8" and 2 each 5/8")	**59.00**
R58-769	97210	Combo Kit (9 each of ¼", 3/8", ½" and 5/8")	**339.00**
R58-770	97221	1/4" (10-Pack)	**95.00**
R58-771	97220	3/8" (10-Pack)	**99.00**
R58-772	97219	1/2" (10-Pack)	**109.00**

Order #	Mfg. #	Description	Each
R58-773	97218	5/8" (10-Pack)	**135.00**
R58-774	97217	3/4" (10-Pack)	**145.00**
R58-775	97230	1/4" (100-Pack)	**939.00**
R58-776	97229	3/8" (100-Pack)	**969.00**
R58-777	97228	1/2" (100-Pack)	**1045.00**
R58-778	97227	5/8" (100-Pack)	**1345.00**
R58-779	97226	3/4" (100-Pack)	**1445.00**
R59-518	96231	Starter Kit (2 each sizes: 1/4", 3/8", 1/2", 5/8"and 3/4")	**235.00**

Nu-Calgon

FlareMate™ Stop Leak Flare Seals



- Applications include mini-split systems, thermostatic expansion valves, refrigeration control valves, filter-driers, high/low pressure controls and pilot lines
- Engineered 45° SAE flare seals for the HVAC/R market
- Field proven, OEM approved
- Creates confident leak-free flare connections
- Prevents costly refrigerant leaks
- Reduces unwanted call-backs
- Improves the integrity of any flare fitting
- For new or systems already in service

Order #	Mfg. #	Description	Each
R59-061	4177-01	Mini-Split Seal Pack (2) 1/4", (2) 3/8"	**38.99**
R59-062	4177-02	Mini-Split Seal Pack (2) 1/4", (2) 1/2"	**38.99**
R59-063	4177-03	Mini-Split Seal Pack (2) 1/4", (2) 5/8"	**45.99**
R59-064	4177-04	Mini-Split Seal Pack (2) 3/8", (2) 1/2"	**42.49**
R59-065	4177-05	Mini-Split Seal Pack (2) 3/8", (2) 5/8"	**45.99**
R59-066	4177-06	Mini-Split Seal Pack (2) 3/8", (2) 3/4"	**49.99**
R59-067	4177-20	40 Pc. Combo Kit	**269.00**
R59-068	4177-30	10 Pack 1/4" Seal Kit	**69.00**
R59-069	4177-31	10 Pack 3/8" Seal Kit	**79.00**
R59-070	4177-32	10 Pack 1/2" Seal Kit	**85.00**
R59-071	4177-33	10 Pack 5/8" Seal Kit	**105.00**
R59-072	4177-34	10 Pack 3/4" Seal Kit	**115.00**

Copper Flare Gaskets



Order #	Mfg. #	Conn. Size	Each
R55-168	B2-3	3/16" SAE	**8.69**
R54-454	B2-4	1/4" SAE	**5.99**
R54-455	B2-6	3/8" SAE	**6.39**

Order #	Mfg. #	Conn. Size	Each
R54-948	B2-8	1/2" SAE	**6.95**
R54-949	B2-10	5/8" SAE	**7.65**
R55-169	B2-12	3/4" SAE	**5.79**

Copper Flare Bonnets



Order #	Mfg. #	Conn. Size	Each
R54-947	B1-4	1/4" SAE	**4.35**
R55-164	B1-6	3/8" SAE	**4.89**

Order #	Mfg. #	Conn. Size	Each
R55-165	B1-8	1/2" SAE	**5.85**
R55-166	B1-10	5/8" SAE	**7.15**

Half Unions Flare to Male Pipe Thread



Order #	Mfg. #	Conn. Size	Each
R53-052	U1-4A	1/4" SAE x 1/8" MPT	**4.89**
R53-053	U1-4B	1/4" SAE x 1/4" MPT	**6.85**
R53-054	U1-4C	1/4" SAE x 3/8" MPT	**11.99**
R54-955	U1-6B	3/8" SAE x 1/4" MPT	**13.49**
R54-956	U1-6C	3/8" SAE x 3/8" MPT	**11.99**

Order #	Mfg. #	Conn. Size	Each
R54-957	U1-6D	3/8" SAE x 1/2" MPT	**17.49**
R54-958	U1-8D	1/2" SAE x 1/2" MPT	**15.99**
R54-959	U1-10D	5/8" SAE x 1/2" MPT	**17.49**

Flare Swivel Connectors



Order #	Mfg. #	Conn. Size	Each
R53-047	US4-4	1/4" SAE	**17.99**
R55-248	US4-5	5/16" SAE	**25.99**
R53-049	US4-6	3/8" SAE	**21.49**

Order #	Mfg. #	Conn. Size	Each
R53-050	US4-8	1/2" SAE	**25.49**
R55-249	US4-10	5/8" SAE	**35.99**

Flare to Flare Unions



Order #	Mfg. #	Conn. Size	Each
R55-171	U2-3	3/16" SAE	**15.49**
R53-056	U2-4	1/4" SAE	**6.95**
R53-057	U2-5	5/16" SAE	**11.49**
R53-058	U2-6	3/8" SAE	**15.99**

Order #	Mfg. #	Conn. Size	Each
R53-059	U2-8	1/2" SAE	**21.49**
R55-172	U2-10	5/8" SAE	**30.49**
R55-173	U2-12	3/4" SAE	**65.00**

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90° Elbows Flare to Flare



Order #	Mfg. #	Conn. Size	Each
R55-068	E2-3	3/16" SAE	**28.49**
R55-069	E2-4	1/4" SAE	**16.99**
R55-070	E2-5	5/16" SAE	**22.49**
R55-071	E2-6	3/8" SAE	**21.99**
R55-072	E2-8	1/2" SAE	**21.99**
R55-073	E2-10	5/8" SAE	**38.99**
R55-074	E2-12	3/4" SAE	**79.00**

90° Elbows Flare to Male Pipe Thread



Order #	Mfg. #	Conn. Size	Each
R55-075	E1-3A	3/16" SAE x 1/8" MPT	**22.99**
R54-452	E1-4A	1/4" SAE x 1/8" MPT	**13.49**
R54-453	E1-4B	1/4" SAE x 1/4" MPT	**18.99**
R55-076	E1-4C	1/4" SAE x 3/8" MPT	**23.49**
R55-081	E1-6B	3/8" SAE x 1/4" MPT	**20.49**
R55-082	E1-6C	3/8" SAE x 3/8" MPT	**22.99**
R55-083	E1-6D	3/8" SAE x 1/2" MPT	**24.49**
R55-085	E1-8B	1/2" SAE x 1/4" MPT	**24.99**
R55-086	E1-8C	1/2" SAE x 3/8" MPT	**30.49**
R55-087	E1-8D	1/2" SAE x 1/2" MPT	**30.99**

Short Type Forged Flare Nuts



Order #	Mfg. #	Conn. Size	Each
R53-015	NS4-3	3/16" SAE	**17.99**
R53-016	NS4-4	1/4" SAE	**5.59**
R53-017	NS4-5	5/16" SAE	**10.49**
R53-018	NS4-6	3/8" SAE	**5.85**
R53-019	NS4-8	1/2" SAE	**8.69**
R53-982	NS4-10	5/8" SAE	**13.49**
R53-983	NS4-12	3/4" SAE	**29.49**
R53-984	NS4-14	7/8" SAE	**85.00**

Long Type Forged Flare Nuts



Order #	Mfg. #	Conn. Size	Each
R55-150	N4-4	1/4" SAE	**10.99**
R55-151	N4-6	3/8" SAE	**14.49**
R55-152	N4-8	1/2" SAE	**19.99**
R55-153	N4-10	5/8" SAE	**25.99**

Short Type Reducing Flare Nuts



Order #	Mfg. #	Conn. Size	Each
R53-010	NRS4-43	1/4" SAE x 3/16" Tube	**25.49**
R53-011	NRS4-54	5/16" SAE x 1/4" Tube	**41.49**
R53-012	NRS4-64	3/8" SAE x 1/4" Tube	**13.49**
R53-013	NRS4-65	3/8" SAE x 5/16" Tube	**18.49**
R53-014	NRS4-86	1/2" SAE x 3/8" Tube	**14.49**
R55-155	NRS4-108	5/8" SAE x 1/2" Tube	**25.99**
R55-156	NRS4-1210	3/4" SAE x 5/8" Tube	**65.00**

Frost-Proof Nuts



Order #	Mfg. #	Conn. Size	Each
R55-157	NST4-4	1/4" SAE	**23.49**
R55-158	NST4-6	3/8" SAE	**24.99**
R55-159	NST4-8	1/2" SAE	**25.99**
R55-160	NST4-10	5/8" SAE	**35.99**

Extra-Heavy Flare Nuts



Order #	Mfg. #	Conn. Size	Each
R54-950	HNS4-4	1/4" SAE (3/4" Hex)	**11.49**
R54-951	HNS4-6	3/8" SAE (7/8" Hex)	**13.49**
R54-952	HNS4-8	1/2" SAE (1" Hex)	**18.99**
R54-953	HNS4-10	5/8" SAE (1-1/8" Hex)	**21.99**

Half Reducing Unions Flare to Flare



Order #	Mfg. #	Conn. Size	Each
R55-177	UR2-43	1/4" SAE x 3/16" SAE	**24.99**
R53-036	UR2-54	5/16" SAE x 1/4" SAE	**28.99**
R53-037	UR2-64	3/8" SAE x 1/4" SAE	**12.99**
R55-179	UR2-84	1/2" SAE x 1/4" SAE	**22.49**
R55-180	UR2-86	1/2" SAE x 3/8" SAE	**22.49**
R55-182	UR2-108	5/8" SAE x 1/2" SAE	**27.49**

Heavy Flare Fitting Caps



Order #	Mfg. #	Conn. Size	Each
R55-148	N5-3	3/16" SAE	**9.79**
R53-021	N5-4	1/4" SAE	**4.15**
R53-022	N5-5	5/16" SAE	**12.49**
R53-023	N5-6	3/8" SAE	**6.19**

Order #	Mfg. #	Conn. Size	Each
R53-024	N5-8	1/2" SAE	**9.29**
R55-149	N5-10	5/8" SAE	**18.99**
R54-954	N5-12	3/4" SAE	**59.00**

Flare to Male Pipe Thread Adapters



Order #	Mfg. #	Conn. Size	Each
R55-198	U1-3A	3/16" SAE x 1/8" MPT	**9.09**
R55-200	U1-4D	1/4" SAE x 1/2" MPT	**18.99**
R55-204	U1-6A	3/8" SAE x 1/8" MPT	**11.49**
R55-205	U1-6E	3/8" SAE x 3/4" MPT	**27.49**
R55-206	U1-8A	1/2" SAE x 1/8" MPT	**55.00**
R55-207	U1-8B	1/2" SAE x 1/4" MPT	**18.99**
R55-208	U1-8C	1/2" SAE x 3/8" MPT	**15.99**
R55-209	U1-8E	1/2" SAE x 3/4" MPT	**27.49**
R55-212	U1-10E	5/8" SAE x 3/4" MPT	**33.49**
R55-214	U1-12D	3/4" SAE x 1/2" MPT	**47.49**
R55-215	U1-12E	3/4" SAE x 3/4" MPT	**43.99**

Flare to Female Pipe Thread Adapters



Order #	Mfg. #	Conn. Size	Each
R55-218	U3-4A	1/4" SAE x 1/8" FPT	**8.39**
R55-219	U3-4B	1/4" SAE x 1/4" FPT	**10.99**
R55-220	U3-4C	1/4" SAE x 3/8" FPT	**21.49**
R55-221	U3-5A	5/16" SAE x 1/8" FPT	**15.99**
R55-222	U3-5B	5/16" SAE x 1/4" FPT	**20.99**
R55-223	U3-6A	3/8" SAE x 1/8" FPT	**18.49**
R55-225	U3-6C	3/8" SAE x 3/8" FPT	**15.49**
R55-226	U3-6D	3/8" SAE x 1/2" FPT	**30.99**
R55-227	U3-8B	1/2" SAE x 1/4" FPT	**24.49**
R55-229	U3-8D	1/2" SAE x 1/2" FPT	**19.49**
R55-230	U3-8E	1/2" SAE x 3/4" FPT	**31.99**
R55-231	U3-10C	5/8" SAE x 3/8" FPT	**27.49**
R55-233	U3-10E	5/8" SAE x 3/4" FPT	**33.99**

Flare to Female Flare Connectors



Order #	Mfg. #	Conn. Size	Each
R53-066	U4-4	1/4" SAE	**25.49**
R53-068	U4-6	3/8" SAE	**36.49**
R55-174	U4-8	1/2" SAE	**44.99**

Order #	Mfg. #	Conn. Size	Each
R55-175	U4-10	5/8" SAE	**89.00**
R55-176	U4-12	3/4" SAE	**179.00**

Fusible Pipe Plugs — 283°F



Order #	Mfg. #	Conn. Size	Each
R54-460	FP-A-283	1/8" MPT	**45.49**
R54-461	FP-B-283	1/4" MPT	**69.00**

Order #	Mfg. #	Conn. Size	Each
R54-462	FP-C-283	3/8" MPT	**85.00**

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Female Flare to Female Pipe Thread Adapters



Order #	Mfg. #	Conn. Size	Each
R55-241	U6-4A	1/4" Female SAE x 1/8" FPT	**55.00**
R55-242	U6-4B	1/4" Female SAE x 1/4" FPT	**69.00**

Flare To Solder Adapters



Order #	Mfg. #	Conn. Size	Each
R53-044	US3-44	1/4" SAE x 1/4" ODS	**7.79**
R53-046	US3-66	3/8" SAE x 3/8" ODS	**12.99**
R55-187	US3-68	3/8" SAE x 1/2" ODS	**33.49**
R55-190	US3-88	1/2" SAE x 1/2" ODS	**27.99**
R55-191	US3-810	1/2" SAE x 5/8" ODS	**59.00**
R55-193	US3-1010	5/8" SAE x 5/8" ODS	**29.99**
R55-196	US3-1212	3/4" SAE x 3/4" ODS	**30.99**

Flare Fitting Reducers — Female to Male

- One soft copper gasket furnished with each part



Order #	Mfg. #	Conn. Size	Each
R53-043	UR3-46	1/4" Female SAE x 3/8" Male SAE	**19.99**
R55-235	UR3-48	1/4" Female SAE x 1/2" Male SAE	**49.99**
R53-603	UR3-64	3/8" Female SAE x 1/4" Male SAE	**23.49**
R55-236	UR3-68	3/8" Female SAE x 1/2" Male SAE	**31.49**
R53-727	UR3-84	1/2" Female SAE x 1/4" Male SAE	**48.99**
R53-728	UR3-86	1/2" Female SAE x 3/8" Male SAE	**40.49**
R55-237	UR3-810	1/2" Female SAE x 5/8" Male SAE	**38.49**
R55-238	UR3-108	5/8" Female SAE x 1/2" Male SAE	**69.00**
R55-240	UR3-1210	3/4" Female SAE x 5/8" Male SAE	**75.00**

Two-Way Tees



Order #	Mfg. #	Conn. Size	Each
R54-458	T1-4A	1/4" SAE x 1/4" SAE x 1/8" MPT	**22.49**
R54-459	T1-4B	1/4" SAE x 1/4" SAE x 1/4" MPT	**27.99**
R55-127	T1-6C	3/8" SAE x 3/8" SAE x 3/8" MPT	**31.49**

Three-Way Tees — All Flared Ends



Order #	Mfg. #	Conn. Size	Each
R53-031	T2-4	1/4" SAE	**20.99**
R53-033	T2-6	3/8" SAE	**23.99**

Order #	Mfg. #	Conn. Size	Each
R55-121	T2-8	1/2" SAE	**30.99**
R55-122	T2-10	5/8" SAE	**55.00**

Flare Fitting Plugs



Order #	Mfg. #	Conn. Size	Each
R53-025	P2-3	3/16" SAE	**15.49**
R53-026	P2-4	1/4" SAE	**7.69**
R53-027	P2-5	5/16" SAE	**13.99**
R53-028	P2-6	3/8" SAE	**9.49**

Order #	Mfg. #	Conn. Size	Each
R53-029	P2-8	1/2" SAE	**10.99**
R55-161	P2-10	5/8" SAE	**21.49**
R55-162	P2-12	3/4" SAE	**55.00**

Brass Pipe Plugs



Order #	Mfg. #	Conn. Size	Each
R54-456	121-A	1/8" MPT	**4.55**

Order #	Mfg. #	Conn. Size	Each
R54-457	121-B	1/4" MPT	**6.45**

1/4" Female SAE Swivel Coupler



- Allows direct connection of test equipment to vacuum pumps or similar hook-up connections

Order #	Mfg. #	Conn. Size	Each
B13-365	D10244	1/4" Female SAE	**79.00**

Swivel Nut Fittings

- All flare ends are tapped to receive access core
- One core and cap packaged with each valve
- Sold in package quantity only



A B



C

Fig.	Order #	Mfg. #	Conn. Size	Pkg. Qty.	Each
A	**B13-512**	A31851	1/4" Flare Swivel Nut on Run w/ Depressor	3	**99.00**
B	**B13-513**	A31852	1/4" Flare Swivel Nut on Branch w/ Depressor	3	**95.00**
A	**B17-377**	A31864	1/4" Flare Swivel Nut on Run w/o Depressor	3	**89.00**
B	**B17-378**	A31854	1/4" Flare Swivel Nut on Branch w/o Depressor	3	**89.00**
C	**B13-511**	A31734	1/4" Swivel Nut w/Depressor x 1/4" Flare	3	**75.00**

Quick Coupler Access Tee



- Quick coupler with O-ring seal
- Includes cap and valve core

Order #	Mfg. #	Description	Each
B17-938	A34000	1/4" QC x 1/4" Access Branch Tee	**59.00**

MPT Access Tees

- Connections have internal solder cup for dip tube installation
- Sold in package quantity only



A B

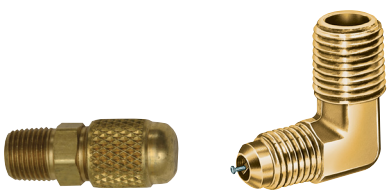


C

Fig.	Order #	Mfg. #	Conn. Size	Pkg. Qty.	Each
A	**B13-504**	A31452	1/8" MPT Branch x 1/4" Flare Run	3	**75.00**
A	**B13-505**	A31454	1/4" MPT Branch x 1/4" Flare Run	3	**95.00**
B	**B13-508**	A31512	1/8" MPT Run x 1/4" Flare Branch	3	**69.00**
B	**B17-379**	A31514	1/4" MPT Run x 1/4" Flare Branch	3	**75.00**
C	**B17-380**	A31522	1/8" MPT Cross	1	**69.00**

MPT Connections

- Flare ends are tapped to receive access core
- Sold in package quantity only



A B

Fig.	Order #	Mfg. #	Conn. Size	Pkg. Qty.	Each
A	**B13-506**	A31482	1/8" MPT x 1/4" Male Flare	5	**41.99**
A	**B13-507**	A31484	1/4" MPT x 1/4" Male Flare	5	**48.99**
B	**B17-381**	A31492	1/8" MPT Elbow	3	**65.00**

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Bulkhead Mount Access Valves

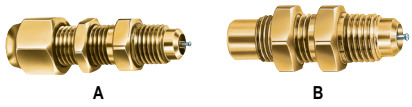


Fig.	Order #	Mfg. #	Conn. Size	Pkg. Qty.	Each
A	**B17-384**	A31434	1/4" SAE w/Nut	1	**65.00**
B	**B17-385**	A31727	3/16" and 1/4"	1	**48.99**

Copper Fitting Access Valves

- Stainless steel and brass for use with all refrigerants
- Generous counterbore permits removal of core if flare becomes damaged
- Pipe connections have internal ODS braze cups for dip tube
- Furnished with cap and one valve core
- Sold in package quantity only
- **B14-807** includes 1/8" and 3/16" additional tube extensions

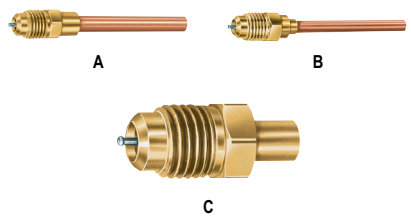


Fig.	Order #	Mfg. #	O.D.	Step	Pkg. Qty.	Each
A	**B14-800**	A31002	1/8" ODS	—	5	**43.49**
A	**B14-801**	A31003	3/16" ODS	—	5	**44.49**
A	**B14-802**	A31004	1/4" ODS	—	5	**44.49**
A	**B14-803**	A31005	5/16" ODS	—	5	**45.99**
A	**B14-804**	A31006	3/8" ODS	—	5	**45.99**
A	**B20-916**	A31008	1/2" ODS	—	3	**69.00**
B	**B14-805**	A31009	1/8" ODS	3/16", 1/4" and 5/16	3	**42.49**
B	**B14-806**	A31011	3/16" ODS	1/4" and 3/8"	3	**31.99**
B	**B14-807**	A31012	1/8" ODS	1/8" and 3/16"	3	**48.49**
C	**B17-382**	A31724	1/4" ODS	—	3	**26.49**

Access Fitting Valve Cores and Caps

- Sold in package quantity only

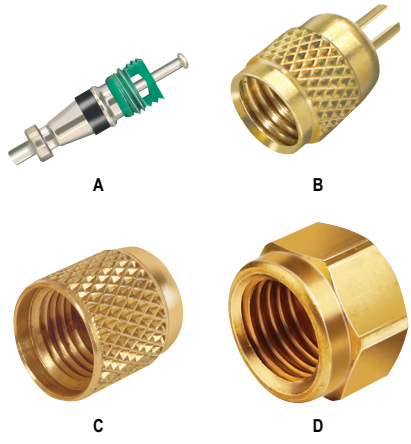


Fig.	Order #	Mfg. #	Description	Pkg. Qty.	Each
A	**B14-812**	A31999	1/4" Valve Cores	5	**14.99**
A	**B17-939**	A31999-25	1/4" Valve Cores	25	**69.00**
B	**B14-811**	A31997	1/4" Gasket Seal Cap with Core Remover Feature	10	**42.99**
C	**B14-813**	NFT5-4	1/4" O-Ring Quick Seal Cap	10	**21.49**
C	**B17-940**	NFT5-4-25	1/4" O-Ring Quick Seal Cap	25	**49.49**
C	**B17-941**	NFT5-6	3/8" O-Ring Quick Seal Cap	3	**26.49**
—	**B22-841**	NFT5-8	1/2" O-Ring Quick Seal Cap	3	**28.99**
D	**B17-386**	A31986	1/4" Wrench Style Seal Cap	5	**18.99**

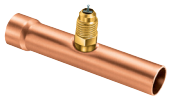
Access Valve Service Kit

- Contains common access valves, valve core tool with cores, plastic core removers and thumbscrew core depressor
- Labeled kit makes it easy to refill
- Convenient storage case



Order #	Mfg. #	Each
B18-310	AVK-001	**209.00**

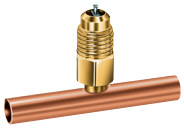
Copper Fitting Access Union



- Stainless steel and brass for use with all refrigerants
- Tapped to receive an access core in all 1/4" SAE flare ends
- Pipe connections have internal ODS braze cups for dip tube
- Furnished with cap and one valve core (braze type loosely assembled)
- Sold in package quantity only

Order #	Mfg. #	O.D.	Pkg. Qty.	Each
B14-809	A31199	1/4" ODS	2	**43.99**

Solder Tees



- Extra depth slip fit solder cups
- Bend, cut, flare, swage or pinch
- Simple installation anywhere along line
- Sold in package quantity only

Order #	Mfg. #	Conn. Size	Pkg. Qty.	Each
B13-501	A31134	1/4" ODS x 5/16" ODF	3	**48.49**
B14-808	A31135	5/16" ODS x 3/8" ODF	3	**65.00**
B13-502	A31136	3/8" ODS x 1/2" ODF	3	**59.00**
B13-503	A31138	1/2" ODS	3	**69.00**
B12-439	A31140	5/8" ODS	1	**33.99**
B12-440	A31142	3/4" ODS	1	**36.49**
B12-441	A31144	7/8" ODS	1	**40.99**
B12-442	A31148	1-1/8" ODS	1	**55.00**

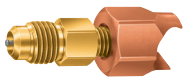
Swivel Female Flare to Solder Adapters



- Used to convert sweat connection to flare
- Double-deep solder cups
- Sold in package quantity only

Order #	Mfg. #	Conn. Size	Pkg. Qty.	Each
B18-765	A32700	1/4" ODF x 1/4" SAE	4	**75.00**
B18-766	A32701	3/8" ODF x 3/8" SAE	4	**75.00**
B18-767	A32702	1/2" ODF x 1/2" SAE	4	**95.00**
B18-768	A32703	5/8" ODF x 5/8" SAE	2	**59.00**
B18-769	A32704	3/4" ODF x 3/4" SAE	2	**69.00**

Saddle Valves



- Quick, clean access to systems under pressure
- Valve is made from copper with hardened steel piercing needle
- Furnished with cap
- Core pre-torqued at 2.9–2.95 in./lb.
- Unique design promotes simple and safe piercing
- Sold in package quantity only

Order #	Mfg. #	Conn. Size	Pkg. Qty.	Each
B13-514	A32904	1/4"	5	**115.00**
B13-515	A32905	5/16"	5	**105.00**
B13-516	A32906	3/8"	5	**105.00**
B13-517	A32908	1/2"	3	**75.00**
B13-518	A32910	5/8"	3	**109.00**
B13-519	A32912	3/4"	2	**85.00**
B13-520	A32914	7/8"	2	**85.00**

Multi-Step Access Valves



- One core and cap packaged with each valve
- Sold in package quantity only

Order #	Mfg. #	Conn. Size	Pkg. Qty.	Each
B13-510	A31720	3/16" x 1/4", 3/8" Steps	5	**37.99**
B17-383	A31729	3/16" x 1/4", 5/16", 1/2" Steps	3	**33.99**
B14-810	A31736	1/8" x 3/16", 1/4", 5/16" Steps	3	**36.49**

Flare Adapter



- One core and cap packaged with each valve
- Comes with copper gasket
- Core pre-torqued at 2.9–2.95 in./lb.
- Sold in package quantity only

Order #	Mfg. #	Conn. Size	Pkg. Qty.	Each
B13-509	A31614	1/4" SAE Flare Fitting Adapter	5	**109.00**

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Control Valve

- Controls open/closed position of access valve core to eliminate spraying
- Compact brass body for long service
- Swivel coupler with double safety grooves
- Positive stop prevents rupture of valve core



Order #	Mfg. #	Description	Conn. Size	Each
B12-857	A33000	Control Valve	1/4" SAE x 1/4" O-Ring Quick Coupler	**119.00**

Valve Core Removal Tool

- Designed for removal or replacement of valve cores
- Contains 1/4" bit with six extra valve cores
- Hollow handle allows for storage of valve cores



Order #	Mfg. #	Each
H24-946	A32004	**36.49**

Valve Core Removal Tools

- Designed to remove and replace valve cores without losing system charge
- Speed up evacuation, recovery or recharging with full unrestricted flow
- Includes side port for vacuum measurement



Order #	Mfg. #	Description	Each
H27-361	A32525N	1/4" Valve Core Removal Tool	**155.00**
H27-573	A32530N	5/16" Valve Core Removal Tool	**165.00**

Valve Core Torque Tool

- Calibrated to precise torquing requirements for valve cores
- Won't tighten after proper torque is achieved



Order #	Mfg. #	Each
H27-114	A32008	**65.00**

CoreMax® High-Flow Valve Cores

- Provides up to 5 times greater flow for fast recovery
- Automatic valve shutoff on both sides of connection
- Includes caps



Order #	Mfg. #	Description	Each
B20-653	CM-VC003	CoreMax Valve Cores (3-Pack)	**48.49**
B20-654	CM-VC010	CoreMax Valve Cores (10-Pack)	**155.00**
B20-655	CM-VC025	CoreMax Valve Cores (25-Pack)	**339.00**
B20-656	CM-VC100	CoreMax Valve Cores (100-Pack)	**1345.00**

CoreMax® Seats

- Required for use with CoreMax high-flow valve cores
- Standard stub tube size fits 1/4" through 3/8" O.D.
- Tube stop for ease of assembly



Order #	Mfg. #	Description	Size	Each
B20-658	CM-S370	CoreMax Seats (3-Pack)	3/8"	**23.49**
B20-659	CM-SS370	CoreMax Saddle Seats (3-Pack)	3/8"	**22.49**
B20-660	CM-S250	CoreMax Seats (3-Pack)	1/4"	**23.49**
B20-661	CM-SS250	CoreMax Saddle Seats (3-Pack)	1/4"	**22.49**

Slide Valve Core Removal Tools

- Designed to remove and replace valve cores without losing system charge
- Convenient slide valve side port to accommodate a vacuum gauge
- In-line actuated handle for easy open/close
- A32525SVT automatically sets torque 3 to 5 in.-lb.



Order #	Mfg. #	Description	Each
H28-735	A32525SV	Slide Valve Core Removal Tool	**195.00**
H28-736	A32525SVT	Slide Valve Core Removal Torque Tool	**249.00**

CoreMax® Service SnapMate® High-Flow Connector



- Provides quick and easy connections to CoreMax valve cores as well as standard 1/4" access valves
- Brass body and hardened steel sleeve

Order #	Mfg. #	Each
B20-657	CM-SNAP	**515.00**

CoreMax® Valve Core Removal Tool



- Designed for removal or replacement of CoreMax valve cores without refrigerant loss
- Stainless steel handle, heavy duty brass body and ball bearing quick connect coupler

Order #	Mfg. #	Each
H28-423	CM-CRTOOL	**975.00**

CoreMax® Manual Torque Wrench



- Used to install CoreMax valve cores into seat with proper torque
- Handle grip for easier control

Order #	Mfg. #	Each
H28-424	CM-TRQ	**889.00**

Shield Refrigerant Locking Caps



- Helps eliminate leaks, theft, vandalism, inhaling opportunities and accidental refrigerant mixing
- Corrosion-resistant all brass design
- Compatible with all refrigerant tanks and service ports
- Meets IMC (International Mechanical Code) 1101.10 and IRC (International Residential Code) M1411.6 requiring locking caps on all outdoor service ports
- Waterproof, color-coded sleeves for easy identification
- Strongly supports EPA management programs

Order #	Mfg. #	Description	Each
B18-746	SHLD-G4	R22 Locking Caps/Sleeves (4-Pk.)	**69.00**
B18-747	SHLD-G12	R22 Locking Caps/Sleeves (12-Pk.) with Bit/Key	**195.00**
B18-748	SHLD-G50	R22 Locking Caps/Sleeves (50-Pk.) with 3" Driver and Bit/Key	**765.00**
B18-749	SHLD-SLG20	R22 Extra/Replacement Sleeves (20-Pk.)	**27.99**
B18-750	SHLD-P4	R410A Locking Caps/Sleeves (4-Pk.)	**69.00**
B18-751	SHLD-P12	R410A Locking Caps/Sleeves (12-Pk.) with Bit/Key	**195.00**
B18-752	SHLD-P50	R410A Locking Caps/Sleeves (50-Pk.) with 3" Driver and Bit/Key	**765.00**
B18-753	SHLD-SLP20	R410A Extra/Replacement Sleeves (20Pk.)	**27.99**
B18-754	SHLD-U4	Universal Locking Caps/Sleeves (4-Pk.)	**69.00**
B18-755	SHLD-U12	Universal Locking Caps/Sleeves (12-Pk.) with Bit/Key	**195.00**
B18-756	SHLD-U50	Universal Locking Caps/Sleeves (50-Pk.) with 3" Driver and Bit/Key	**765.00**
B18-757	SHLD-U100	Universal Locking Caps/Sleeves (100-Pk.) with 8" Driver and 2 Bits/Keys	**1499.00**

Order #	Mfg. #	Description	Each
B18-758	SHLD-SLU20	Universal Extra/Replacement Sleeves (20-Pk.)	**27.99**
B19-258	SHLD-E4	R410A Mini-Split Locking Caps/Sleeves (4-Pk.)	**75.00**
B18-759	SHLD-E12	R410A Mini Split Locking Caps/Sleeves (12-Pk.) with Bit/Key	**215.00**
B18-760	SHLD-E50	R410A Mini Split Locking Caps/Sleeves (50-Pk.) with 3" Driver and Bit/Key	**839.00**
B18-761	SHLD-BIT	Locking Cap Bit/Key (2-Pk.)	**18.99**
B18-762	SHLD-COMBO-DRIVER	3" Magnetic Stubby and 8" Magnetic Driver with 2 Bits/Keys	**59.00**
B18-763	SHLD-3-DRIVER	3" Magnetic Driver with Bit/Key	**30.99**
B18-764	SHLD-8-DRIVER	8" Magnetic Driver with Bit/Key	**32.99**
B18-162	SHLD-MULTI	Locking Cap Tool for use with Shield, Novent and C&D locking caps	**85.00**

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Novent Tamper-Resistant Refrigeration Caps

- Locking caps work for all refrigerant tanks and service ports
- IRC and IMC compliant
- Helps eliminate theft, vandalism, inhaling opportunities and accidental mixing of costly refrigerants
- Key required for access
- Corrosion-resistant, color-coded caps identify type of refrigerant
- Eurocap caps fit threads on most imported products



Order #	Mfg. #	Description	Each
B14-926	86660	R22/Universal Screwdriver Key	**59.00**
B14-928	86688	R410 Screwdriver Key	**59.00**
B16-853	86698	Fits All Caps	**44.49**
B17-832	86692	Universal Tamper Proof Cap (2-Pk.)	**65.00**
B17-833	86691	Universal Tamper Proof Cap (10-Pk.)	**285.00**

Order #	Mfg. #	Description	Each
B17-834	86693	Universal Tamper Proof Cap (50-Pk.)	**1145.00**
B17-838	86672	R410 5/16" Eurocap Tamper Proof Cap (2-Pk.)	**75.00**
B20-539	86694	Universal Tamper Proof Cap (100-Pk.)	**2199.00**
B17-839	86671	R410 5/16" Eurocap Tamper Proof Cap (10-Pk.)	**325.00**
B17-840	86673	R410 5/16" Eurocap Tamper Proof Cap (50-Pk.)	**1445.00**

Universal Line Service Valve

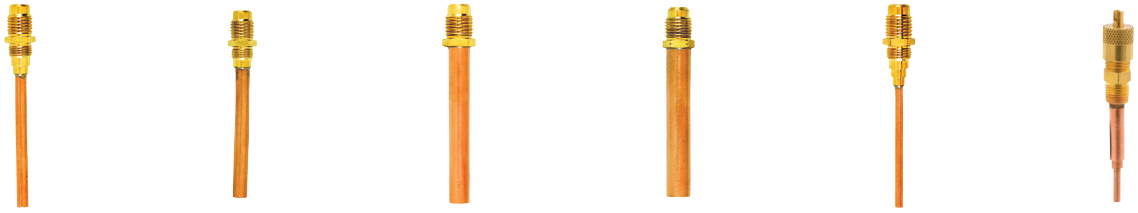
- This valve offers a wide range of installation possibilities through unique design and engineering
- Use of the valve does not require a swaging tool as the step down feature permits the use of different sizes of tubing
- Each valve comes with a CD2250 heavy-duty brass cap with neoprene seal and core wrench on top
- 1/8" I.D. hole, 3/16", 1/4" and 5/16" steps and 1/8" MPT
- Other end has 1/4" flare threads to receive charging hose
- Standard package of six



Order #	Mfg. #	Conn. Size	Each	24 Lot
B10-734	CD3600	Universal	**6.89**	**5.29**

T36 Series Valves With Copper Tubing Brazed To Valve

- Valves are offered with short lengths of copper tubing brazed to the valve
- Faster, simpler connections — only the soldering of copper to copper to perform when on the job
- Each valve comes with a CD2250 heavy-duty brass cap with neoprene seal and core wrench on top and with a CD4450 valve core



A B C D E F

Fig.	Order #	Mfg. #	Description	Conn. Size	O.D.	Step	Each	24 Lot
A	**B10-735**	CD3603	1/4" M. Flare Access Fitting w/3/16" Copper Tube Extension CD2250 Brass Wrench Cap and Valve Core 1/8" MPT Below Hex	1/8" MPT	3/16"	1/4", 5/16"	**8.59**	**6.55**
B	**B10-736**	CD3604	1/4" M. Flare Access Fitting w/1/4" Copper Tube Extension CD2250 Brass Wrench Cap and Valve Core 1/8" MPT Below Hex	1/8" MPT	1/4"	5/16"	**8.59**	**6.55**
C	**B10-737**	CD3605	1/4" M. Flare Access Fitting w/5/16" Copper Tube Extension CD2250 Brass Wrench Cap and Valve Core	—	5/16"	—	**8.59**	**6.55**
D	**B10-738**	CD3606	1/4" M. Flare Access Fitting w/3/8" Copper Tube Extension CD2250 Brass Wrench Cap and Valve Core	—	3/8"	—	**8.85**	**6.85**
E	**B10-739**	CD3608	1/4" M. Flare Access Fitting w/1/8" Copper Tube Extension CD2250 Brass Wrench Cap and Valve Core 1/8" MPT Below Hex	1/8" MPT	1/8"	3/16", 1/4", 5/16"	**8.59**	**6.55**
F	**B10-755**	CD3602	—	1/8" MPT	1/4"	3/16" & 1/8" Removable Bushings	**12.49**	**9.55**

Thumbscrew Core Depressors

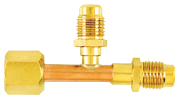


- Attach to 1/4" male flare to manage degree of flow
- For use with charging hose or with no depressor tip
- High quality brass; compact design for tight spaces

Order #	Mfg. #	Description	Each
H24-849	CD5050	Reduced Size Thumb-Screw Flow-Control Valve for 1/4" M. Flare Access Fitting	**36.99**
H27-459	CD5060	Reduced Size Thumb-Screw Flow-Control Valve for 5/16" M. Flare Access Fitting	**55.00**
H25-446	CD0099/10	Replacement O-Rings (10-Pk.)	**10.49**
H27-460	CD2080	5/16" Female Flare Thumbscrew Core Depressor	**85.00**

"T" Valves

- Useful in Attaching Hi-Lo Side Switch and Other Connecting Needs
- Valves have brass valve depressor with 1/4" flare nut, 1/4" male flare with internal thread for valve core (not included) and 1/4" male flare with valve core



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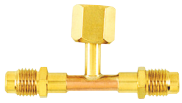

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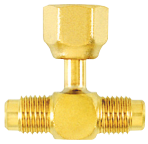


C



D

Fig.	Order #	Mfg. #	Description	Conn. Size	Each
A	**B10-741**	CD9601	Copper	1/4" Male Branch x 1/4" Flare Nut Run	**20.49**
B	**B10-742**	CD9602	Copper	1/4" Flare Nut Branch x 1/4" Male Run	**20.49**
C	**B14-816**	CD9603	1/4" M. Flare Access x 1/4" M. Flare Access x 1/4" F. Flare w/Depressor Tip on Branch 1 Valve Core All Brass	1/4" Flare Nut Branch x 1/4" Male Run	**22.49**
D	**B14-817**	CD9611	1/4" F. Flare w/Depressor Tip x 1/4" M. Flare Access x 1/4" M. Flare Access on Branch 1 Valve Core Forged Brass	1/4" Male Branch x 1/4" Flare Nut Run	**25.49**

Forged Brass Access Tees



- Forged brass construction
- All 1/4" flares are threaded for valve cores
- Includes wrench cap

Order #	Mfg. #	Conn. Size	Each
B14-818	CD9616	1/4" Male x 1/8" MPT x 1/4" Male on Branch	**18.49**
B14-819	CD9620	1/4" Male x 1/4" Male x 1/8" MPT on Branch	**18.49**

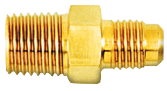
Forged Brass Connectors



- **B14-820** has 1/4" flare swivel nut by 1/4" male access with installed valve core
- **B14-821** has 1-1/4" piece of 1/4" copper tubing double flared on one end with a 1/4" female flare nut on other end

Order #	Mfg. #	Description	Each
B14-820	CD1454	—	**18.49**
B14-821	CD2594	1/4" OD x 1.25" Copper Tube w/1/4" F. Double Flare and Depressor Tip at 1 End	**10.99**

Forged Brass Couplers



- Simply make connections between equipment with unlike threads
- For use as permanent installation or temporary connection

Order #	Mfg. #	Conn. Size	Each
B14-814	CD1414	1/4" Female x 1/4" MPT	**8.95**
B14-815	CD1818	1/4" Male x 1/8" MPT	**8.85**

Oil Tap



- For Semi-Hermetic Compressors
- Install for oil changing and testing procedures
- Can be used to perform acid tests while compressor is running
- Can be permanently installed

Order #	Mfg. #	Description	Each
B14-797	CD1808	Oil Tap for Semi-Hermetic Compressor	**41.99**

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"M" Series Copper To Copper Line Tap Valves

- Approved by Leading Manufacturers for All Types of Refrigerants
- Eliminates costly, high-temperature brazing
- Installed with 95/5 or lead free low-temperature solder
- Consists of saddle body, line piercing pin, valve core, Teflon® O-ring and sealing cap
- Saddle body is soldered to the tube at the point of entry
- Valve is kept closed by spring loaded valve core
- Put sealing cap on for permanent seal



Order #	Mfg. #	Description	O.D.	Each
B10-727	CD5514	Braze-On Self-Piercing Copper Saddle Valve for 1/4" Tube	1/4"	**13.49**
B10-730	CD5516	Braze-On Self-Piercing Copper Saddle Valve for 5/16" Tube	5/16"	**13.49**
B10-729	CD5538	Braze-On Self-Piercing Copper Saddle Valve for 3/8" Tube	3/8"	**14.49**
B10-726	CD5512	Braze-On Self-Piercing Copper Saddle Valve for 1/2" Tube	1/2"	**15.49**
B10-728	CD5534	Braze-On Self-Piercing Copper Saddle Valve for 3/4" Tube	3/4"	**18.99**
B10-732	CD5578	Braze-On Self-Piercing Copper Saddle Valve for 7/8" Tube	7/8"	**18.99**

Teflon® Seals for "M" Series Valves

- Sold in packages of 25



Order #	Mfg. #	Each
B11-905	CD5501/25	**24.49**

Copper Access Tee

- Valve is brazed to 2" x 5/16" O.D. copper tube
- Will service 1/4", 5/16" and 3/8" tube sizes
- Includes cap and valve core
- Two per standard package



Order #	Mfg. #	Each
B10-745	CD5421	**10.49**

Copper Access Tee

- Valve brazed to 3" length of 1/4" O.D. copper tube
- One end swaged to 1/4" I.D.
- Includes cap and valve core
- Two per standard package



Order #	Mfg. #	Each
B10-746	CD8420	**14.99**

Valve Cores and Valve Core Tools

- Replacement valve core made of materials compatible with all refrigerants
- **B14-822** is a dual core wrench and thread chaser with a plastic bottle to store valve cores
- **B14-824** is a durable all brass core wrench with compartment to store valve cores



A



B



C



D

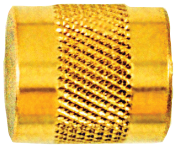
Fig.	Order #	Mfg. #	Description	Each
A	**B10-740**	CD4460/25	Valve Cores, Box of 25 Cores	**33.99**
B	**B14-823**	CD3805	Valve Cores, Tube of 6 Cores	**14.99**
C	**B14-822**	CD3800	Core Chaser & Wrench Set, Includes 6 Cores	**33.49**
D	**B14-824**	CD3813	Brass Core Wrench, Includes 3 Cores	**25.99**

Valve Caps

C&D VALVE

- Three types available
- Sold in package quantities only





Order #	Mfg. #	Description	Pkg. Qty.	Each
B10-743	CD2250/25	1/4 Flare Cap, Round Brass w/Neoprene O-Ring Seal and Core Wrench on Top	25	**75.00**
B12-019	CD2245/25	1/4 Flare Cap, Round Brass w/Neoprene O-Ring Seal (25 pk)	25	**55.00**
B12-018	CD2215/10	Plastic w/ 1/4" Strap	10	**21.49**

Access Valve Service Kit

C&D VALVE

- Wide selection of standard parts to help service technicians complete the job
- Contains access tees, valve cores, caps, braze-in fittings and core depressor
- High quality components manufactured in the U.S.A.
- Labeled kit makes it easy to refill



Order #	Mfg. #	Description	Each
B17-527	CD9520SVK	Access Fitting Service Kit; Includes H24-489, B14-823, B10-741, B10-742, B10-736, B10-737, B10-735, B10-738, B10-734, B12-019	**325.00**

Appliance Service Kit

C&D VALVE

- Wide selection of refrigeration parts to help service technicians complete the job
- Contains flare access fittings, flare caps, line tap valve, self piecing saddle valves, reduced size thumb-screw, flow-control, valve cores and valve core wrench
- High quality components manufactured in the U.S.A.
- Labeled kit makes it easy to refill



Order #	Mfg. #	Description	Each
B18-433	CD9530SVK	Appliance Service Kit; Contains: CD2245, CD3805, CD4338, CD5050, CD5514, CD8400, CD8403, CD8404, CD8405, and CD8408, CD4338	**279.00**

Refrigeration Service Kits

C&D VALVE

- Contains flare access fittings, flare access tees, flare caps, self piecing saddle valves, reduced size thumb-screw flow-control valve, valve cores and valve core wrench
- Manufactured in the U.S.A.
- Labeled kit makes it easy to refill



Order #	Mfg. #	Description	Each
B18-434	CD9560SVK	Refrigeration Service Kit	**589.00**
B18-435	CD9580SVK	Refrigeration Service Kit With Core Removal Tool	**785.00**

Core Gripper Tool

ESP ENERGY SAVING PRODUCTS

- Easily removes and replaces valve cores
- Four gripper fingers hold core
- Stainless steel construction
- Key chain ring



Order #	Mfg. #	Each
H27-699	CGR10	**44.49**

Core Control Tools

Appion

- Vacuum rated to 20 microns
- 1/4" side port for gauge or hose connections
- Compatible with high-pressure refrigerants
- Double O-Ring design
- Aircraft-grade aluminum
- 1/4" and 5/16" Female flare fittings available



Order #	Mfg. #	Description	Each
H28-888	CCT14	1/4" Vacuum-Rated Core Control Tool	**145.00**
H28-889	CCT516	5/16" Vacuum-Rated Core Control Tool	**145.00**

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Flexible Valve Core Removal Tools

- Flexible to over 120° for easy access in tight or blocked areas
- Center section slip fit design allows user to hold the tool in place while turning the knurled end
- **H28-214** is 4-1/2" long
- **H28-422** stores up to 3 cores in cap and is 5-1/2" long



Order #	Mfg. #	Description	Each
H28-214	FVCT4	Flexible Valve Core Removal Tool	**27.49**
H28-422	FVCT4PLUS	Flexible Valve Core Removal Tool Plus	**33.49**

Super Heat Calculation Tool

- Kit includes sturdy custom molded plastic carrying case, core removal tool and digital thermometer
- Remove a "Schrader" core from a charged system
- Attach gauges to the side access fitting of the core removal tool (**H24-611**)
- Insert the digital thermometer (**H25-295**) through the access fittings
- Read "true" internal temperature, and — using pressure gauge — calculate super heat
- Add or remove gas through manifold
- Reinstate the "Schrader" core into the system



Order #	Mfg. #	Description	Each
H25-294	CD3970	Superheat Kit w/CD3910 (CRT) and CD3975 Thermometer	**409.00**

Replacement Digital Thermometer

Order #	Mfg. #	Each
H25-295	CD3975	**225.00**

MegaFlow™ Valve Core Removal Tools

◀ NEW

- Removes restrictive access valve cores for high-speed recovery and evacuation
- Rated to hold a 20 micron vacuum
- Compatible with all common refrigerants and oils, including R410a
- Remove and replace valve cores without exposing system to atmosphere
- 1/4" side access port for inline vacuum gauge measurement



Order #	Mfg. #	Description	Each
H26-921	MGAVCT	1/4" Valve Core Removal Tool	**169.00**
H27-056	MGAVCR	5/16" Valve Core Removal Tool	**169.00**
H28-629	KTMV25	Valve Core Tool Rebuild Kit	**129.00**
H29-027 ◀	KTMV50	Valve Core O-Rings	**129.00**

Core Removal Tools

- Use as vacuum/charge valve
- Designed for removing and replacing a "Schrader" type core without losing the charge
- Side tap can be used to take pressure measurements without losing the charge
- Allows evacuation of a system without the core in place
- Saves time by allowing faster vacuum and charging through unrestricted lines



A B

Fig.	Order #	Mfg. #	Description	Each
A	**H24-611**	CD3910	Neoprene Gland Shutoff Stem	**175.00**
B	**H25-597**	CD3930	1/4" Flare Ball-Valve Core Removal Tool	**219.00**
B	**H27-461**	CD3956	5/16" Flare Ball-Valve Core Removal Tool	**245.00**

Replacement Parts for H24-611 and H25-597

Order #	Mfg. #	Description	For Use With	Each
H25-159	CD5555	Replacement O-Rings for Core Removal Tools	H24-611 & H25-597	**4.99**
H25-318	CD5560	Replacement Shut-off Stem for CD3900 and CD3910	H24-611	**42.99**
H26-077	CD5577	Replacement Rod and Chuck for Core Removal Tools	H24-611 & H25-597	**55.00**

Bullet 3-in-1 Line Tap Valve



- For charging and evacuating refrigeration systems
- For 1/4", 5/16", and 3/8" round or uneven tubing, 2" clearance
- Smallest complete piercing valve with its own key
- Permanent gasket included

Order #	Mfg. #	Each
B11-039	BPV31	**11.49**

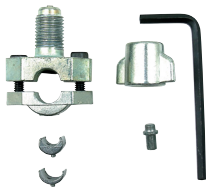
Bullet Line Tap Valves



- Installed on the high side as permanent valve
- Leakproof and Stillson wrench cannot budge it
- Special spline key is installation tool and valve handle
- **B11-033** is 2-in-1 valve for 1/2", 5/8" O.D. tubing

Order #	Mfg. #	O.D.	Each
B11-033	BPV-21	5/8"	**15.99**
B11-036	BPV-38	3/8"	**15.49**

Line Tap Valves



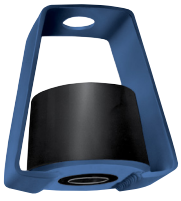
- Requires only one connection for piercing and servicing
- Needle automatically back seats after servicing, leaving line 100% free of restriction
- Sealed with refrigerant resistant O-rings
- Includes hex wrench

Order #	Mfg. #	O.D.	Each
B12-410	QTM-1J	1/4", 5/16", 3/8"	**20.99**
B12-411	QTM-2J	1/2", 5/8"	**22.99**

Neoprene Vibration Isolators



A



B

- Moderate vibration absorption
- Ideal for applications on stiff support structures and on equipment operating at over 1200 RPM
- ND mounts provide greater vibration and noise control than rubber, cork or composite pads
- HD hangers provide the same vibration control as ND mounts for suspended equipment

Fig.	Order #	Mfg. #	Capacity	Max. Static Deflection	Each
ND Neoprene Mounts					
A	**R54-967**	ND-A-Black	45 Lbs.	.35"	**55.00**
A	**R54-968**	ND-A-Green	75 Lbs.	.35"	**55.00**
A	**R54-969**	ND-A-Red	125 Lbs.	.35"	**55.00**
A	**R54-970**	ND-B-Green	150 Lbs.	.40"	**89.00**
A	**R56-487**	ND-B-Red	235 Lbs.	.40"	**89.00**
A	**R54-971**	ND-B-White	380 Lbs.	.40"	**89.00**
A	**R56-488**	ND-B-Yellow	600 Lbs.	.40"	**89.00**
HD Neoprene Hangers					
B	**R54-964**	HD-A-Black	45 Lbs.	.35"	**69.00**
B	**R54-965**	HD-A-Green	75 Lbs.	.35"	**69.00**
B	**R54-966**	HD-A-Red	125 Lbs.	.35"	**69.00**
B	**R56-505**	HD-B-Red	235 Lbs.	.40"	**155.00**
B	**R56-506**	HD-B-White	380 Lbs.	.40"	**155.00**
B	**R56-507**	HD-B-Yellow	625 Lbs.	.40"	**155.00**

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Spring Vibration Isolators

MASON INDUSTRIES, INC.

- Used to support equipment located in upper building levels where there are large vibration sensitive spaces and on equipment running below 1200 RPM
- IMF mounts are simple spring mounts for indoor applications on equipment that does not have to be level or bolted down
- SLFH mounts are used on equipment that must be level and secure
- C mounts are used on equipment that must be level and secure and requires extra lateral support
- HS spring hangers are for suspended equipment



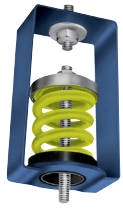
A



B



C



D

Fig.	Order #	Mfg. #	Capacity	Max. Static Deflection	Each
IMF Unhoused Spring Mounts					
A	**R56-489**	IMF-X-33	33 Lbs.	1.10"	**55.00**
A	**R56-490**	IMF-X-54	54 Lbs.	1.20"	**55.00**
A	**R56-491**	IMF-X-76	76 Lbs.	1.02"	**55.00**
A	**R56-492**	IMF-X-113	113 Lbs.	1.00"	**55.00**
SLFH Spring Mounts					
B	**R54-975**	SLFH-A-45	45 Lbs.	1.60"	**189.00**
B	**R54-976**	SLFH-A-75	75 Lbs.	1.50"	**189.00**
B	**R54-977**	SLFH-A-125	125 Lbs.	1.33"	**189.00**
B	**R56-493**	SLFH-A-200	200 Lbs.	1.15"	**189.00**
B	**R56-494**	SLFH-A-310	310 Lbs.	1.00"	**189.00**
B	**R56-495**	SLFH-A-400	400 Lbs.	1.00"	**259.00**
B	**R56-496**	SLFH-A-510	510 Lbs.	1.00"	**259.00**
B	**R56-497**	SLFH-A-625	625 Lbs.	1.00"	**259.00**
C Housed Spring Mounts					
C	**R56-498**	C-A-45	45 Lbs.	1.60"	**275.00**
C	**R56-499**	C-A-75	75 Lbs.	1.50"	**275.00**
C	**R56-500**	C-A-125	125 Lbs.	1.33"	**275.00**
C	**R56-501**	C-A-200	200 Lbs.	1.15"	**275.00**
C	**R54-978**	CA-310	310 Lbs.	1.00"	**275.00**

Fig.	Order #	Mfg. #	Capacity	Max. Static Deflection	Each
C	**R56-502**	C-A-400	400 Lbs.	1.00"	**315.00**
C	**R56-503**	C-A-510	510 Lbs.	1.00"	**315.00**
C	**R56-504**	C-A-625	625 Lbs.	1.00"	**315.00**
HS Spring Hangers					
D	**R56-508**	HS-X-33	33 Lbs.	1.10"	**99.00**
D	**R56-509**	HS-X-54	54 Lbs.	1.20"	**99.00**
D	**R56-510**	HS-X-76	76 Lbs.	1.02"	**99.00**
D	**R56-511**	HS-X-113	113 Lbs.	1.00"	**99.00**
D	**R56-512**	HS-X-130	130 Lbs.	1.00"	**125.00**
D	**R56-513**	HS-X-175	175 Lbs.	1.00"	**125.00**
D	**R56-514**	HS-X-210	210 Lbs.	1.00"	**125.00**
D	**R54-972**	HS-A-45	45 Lbs.	1.60"	**155.00**
D	**R54-973**	HS-A-75	75 Lbs.	1.50"	**155.00**
D	**R54-974**	HS-A-125	125 Lbs.	1.33"	**155.00**
D	**R56-515**	HS-A-200	200 Lbs.	1.15"	**155.00**
D	**R56-516**	HS-A-310	310 Lbs.	1.00"	**155.00**
D	**R56-517**	HS-A-400	400 Lbs.	1.00"	**225.00**
D	**R56-518**	HS-A-510	510 Lbs.	1.00"	**225.00**
D	**R56-519**	HS-A-625	625 Lbs.	1.00"	**225.00**

Vibration Absorption Mounting Pads

DIVERSITECH

- For vibration absorption from HVACR, commercial and industrial equipment
- Composite foam center
- More structurally sound than cork
- Is not affected by oils or chemicals



Order #	Mfg. #	Dimensions L x W x H	Wt. Lbs.	Each
R55-602	MP-2E	2" x 2" x 7/8"	0.095	**2.25**
R55-603	MP-3E	3" x 3" x 7/8"	0.204	**5.49**
R55-604	MP-4E	4" x 4" x 7/8"	0.367	**7.49**

Vibration Absorption Mounting Pads

MASON INDUSTRIES, INC.

- For high vibration absorption from HVACR, laundry and industrial equipment
- Natural rubber for maximum resilience
- **R87-447** is an 18" x 18" sheet of 81 cut away 2" squares
- **R87-815** is an 18" x 18" sheet of 36 cut away 3" squares



A



B

Fig.	Order #	Mfg. #	Dimensions L x W x H	Each
A	**R54-252**	R2X2X3/8MSW	2" x 2" x 3/8"	**3.25**
A	**R56-217**	R3X3X3/4SW	3" x 3" x 3/4"	**6.85**
B	**R87-447**	R18X18X2SW	2" x 2" x 3/4"	**189.00**
B	**R87-815**	R18X18X3SW	3" x 3" x 3/4"	**229.00**

DIVERSITECH

Furnace Mounting Pad



- Anti-vibration pad support
- Large load bearing surface area
- Load carrying capacity — up to 500 lbs.

Order #	Mfg. #	Each
R55-601	FB-1	**14.49**

DIVERSITECH

Air Handler Block



- Lightweight styrofoam block provides A/C air handler support in attic installations
- White
- 8" x 8" x 4"

Order #	Mfg. #	Each
B82-703	7-60J	**13.49**

ESP ENERGY SAVING PRODUCTS

Easy Leveler

Adjustable Furnace Legs



- Ensures proper heat exchanger condensate drainage
- Prevents furnace rust from wet floors
- Lag bolts will raise or lower each corner of furnace to exact level
- 4 pack includes mounting screws

Order #	Mfg. #	Each
R55-985	EL10	**55.00**

C&S manufacturing

Wire Pipe Hooks



- 9 gauge, 6"

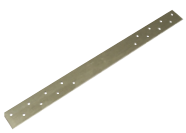
Order #	Mfg. #	Description	Pipe Size	Carton Qty.	Each
R56-103	12X6-9PWS	Plain Steel	1/2"	50	**0.56**
R56-104	34X6-9PWS	Plain Steel	3/4"	50	**0.56**
R56-105	1X6-9PWS	Plain Steel	1"	50	**0.58**
R56-106	12X6-9PWP	Plastic Coated	1/2"	50	**1.25**
R56-107	34X6-9PWP	Plastic Coated	3/4"	50	**1.25**
R56-108	1X6-9PWP	Plastic Coated	1"	50	**1.29**

C&S manufacturing

FHA Steel Mending Plates



A



B



C

Fig.	Order #	Mfg. #	Size (W x L)	Gauge	Carton Qty.	Each
A	**R87-704**	FHA-100-1812-4	1-1/2" x 18"	12	50	**3.19**
A	**R87-705**	FHA-100-1816-4	1-1/2" x 18"	16	50	**2.65**
B	**R87-706**	FHA-400-1816	1-1/2" x 18"	16	50	**3.19**
B	**R87-707**	FHA-400-2416	1-1/2" x 24"	16	50	**4.19**
C	**R87-814**	FHA-300-1816-8	3" x 18"	16	25	**5.85**
C	**R87-708**	FHA-500-1816-8	5" x 18"	16	25	**7.65**

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Sammys® Threaded Rod Anchoring System

- Overhead threaded rod anchoring system saves time and installation costs
- For hanging air, water and electrical lines; unit heaters, A/C units, duct work, evaporators, lighting and conduit
- Receives 3/8" threaded rod, vertical and horizontal mount options
- Requires #14 driver for vertical applications or #14SW driver for horizontal applications
- Concrete Sammy's require 1/4" carbide tipped hammer drill bit for pre-drilling (**H24-045**)
- Wood, concrete and steel applications
- Sold and priced only in package quantities

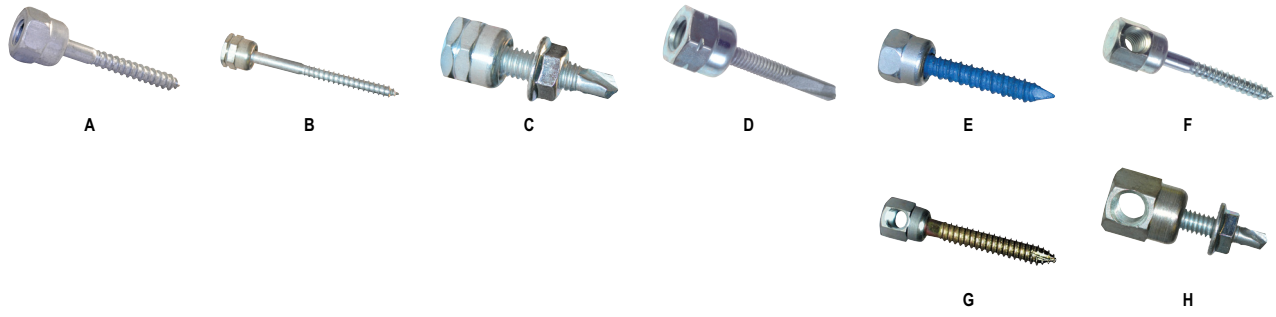


Fig.	Order #	Mfg. #	Description	Size (W x L)	Pkg. Qty.	Each
A	**R55-688**	GST20	Vertical Wood Screw	1/4" x 2"	25	**95.00**
A	**R55-689**	GST30	Vertical Wood Screw	1/4" x 3"	25	**105.00**
B	**R55-690**	DSTR516	Vertical Steel Screw	5/16"–18 x 1-1/4"	25	**109.00**
C	**R55-691**	TEK50	Vertical Steel Screw	12–24 x 1-1/2"	25	**125.00**
D	**R55-692**	CST20	Vertical Cement Screw	5/16" x 1-1/2"	25	**109.00**
E	**R55-693**	SWG20	Horizontal Wood Screw	1/4" x 2"	25	**129.00**
E	**R55-694**	SWG25-380	Horizontal Wood Screw	3/8" x 2-1/2"	25	**135.00**
F	**R55-695**	SWDR1"	Horizontal Steel Screw	1/4"–20 x 1"	25	**129.00**
F	**R55-696**	SWDR516	Horizontal Steel Screw	5/16"–18 x 1-1/4"	25	**135.00**
G	**R55-697**	SWC20	Horizontal Concrete Screw	5/16" x 1-1/2"	25	**139.00**
H	**R55-698**	#14 Vert Driver	Vertical Driver	—	1	**65.00**
H	**R55-699**	#14SW Hz Driver	Horizontal Driver	—	1	**65.00**

Dual Sided Hangers

- Head style is both end and cross drilled
- Vertical and horizontal applications
- No pilot hole needed
- Zinc plated for corrosion resistance



Fig.	Order #	Mfg. #	Description	Pkg. Qty.	Each
A	**R59-538**	DHW38-25	3/8" x 2-1/4" Wood Dual Hanger	25	**169.00**
B	**R59-539**	DHS38-25	3/8" x 1-1/2" Steel Dual Hanger	25	**175.00**

Perforated Steel Strap

- Perforated steel strap is 24 gauge, zinc plated
- Ideal for hanging, securing and anchoring piping, duct work and controls
- 3/4" width



Order #	Mfg. #	Description	Each
R53-824	PS-10	Perforated Steel Strap (10 Feet)	**15.99**
R56-806	PS-100	Perforated Steel Strap (100 Feet)	**69.00**

Snap-Clamps

- For use on copper, PVC and ABS pipes
- Eliminates vibration and noise call backs
- UV Protected
- Easy to re-open



Order #	Mfg. #	Description	Pipe Size	Each
R87-773	41118	Black	1-1/2" OD	**1.29**
R87-774	41125	Black	2" OD	**3.25**
R88-051	51118	White	1-1/2" OD	**1.29**
R88-052	51125	White	2" OD	**3.25**

C&S manufacturing

J Hooks

- Ideal for PVC, copper and pex
- White ABS plastic

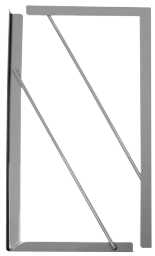


Order #	Mfg. #	Description	Size (W x L)	Carton Qty.	Each	25 Lot
R56-099	BRH-2	Rigid	2" x 6-1/4"	25	**2.25**	**1.99**
R56-100	BRH-3	Rigid	3" x 6-1/4"	25	**2.39**	**2.15**
R56-101	SH-2	Swivel	2" x 6-1/4"	25	**2.49**	**2.25**
R56-102	SH-3	Swivel	3" x 6-1/4"	25	**2.65**	**2.35**

DIVERSITECH

A/C Mounting Brackets

- Used for mounting A/C condensers and heat pumps on vertical walls
- Heavy-duty 10 gauge
- Includes mounting holes
- Load rating 600 lbs. per pair



Order #	Mfg. #	Description	Each
R94-649	ACB-30	30" Steel	**205.00**
R94-650	ACB-36	36" Steel	**229.00**
R94-651	ACB-42	42" Steel	**239.00**
R94-652	ACB-48	48" Steel	**295.00**
R94-773	ACB-30-AL	30" Aluminum	**275.00**
R94-774	ACB-36-AL	36" Aluminum	**279.00**
R94-775	ACB-42-AL	42" Aluminum	**325.00**
R94-776	ACB-48-AL	48" Aluminum	**359.00**

DIVERSITECH

Hef-T-Foot Roof Blocks

- Used to support small pipework, runs of cable tray or a variety of outdoor equipment
- 1.6" x .83" galvanized strut is imbedded in heavy duty recycled rubber with drain slots
- UV resistant
- 4" high
- **R87-867** does not include strut



A



B



C

Fig.	Order #	Mfg. #	Description	Each
Single Hef-T-Foot				
A	**R87-867**	FF-250-UNI	9.84" Long, 7.28" Wide, 3.94" High Universal	**55.00**
B	**R87-864**	FF-250-S	9.84" Long, 7.28" Wide, 3.94" High	**59.00**
B	**R87-865**	FF-400-S	15.75" Long, 7.28" Wide, 3.94" High	**125.00**
B	**R87-866**	FF-600-S	23.62" Long, 7.28" Wide, 3.94" High	**165.00**
B	**R94-640**	FF-1000-S	39.37" Long, 7.28" Wide, 3.94" High	**339.00**
Hef-T-Foot Installation Kits				
C	**R94-820**	FF-400-S-KIT	15.75" Long, 7.28" Wide, 3.94" High	**239.00**
C	**R94-819**	FF-450-S-KIT	17.71" Long, 6.29" Wide, 3.54" High	**229.00**
C	**R94-777**	FF-600-S-KIT	23.62" Long, 7.28" Wide, 3.94" High With Hardware Kit	**275.00**
C	**R94-778**	FF-1000-S-KIT	39.37" Long, 7.28" Wide, 3.94" High With Hardware Kit	**659.00**

QUICK-SLING

Quick-Sling Unit Heater Swivel Mounts

- Quick-Swivel allows for 360° unit rotation
- 14-gauge steel
- Directs flow of heat for maximum efficiency
- Includes all necessary hardware
- Unit heater not included



Order #	Mfg. #	Description	Each
B79-208	QSWI1000	"U" Mount with H Bracket. Holds up to 200 lbs.	**515.00**
B79-209	QSWI2000	"U" Mount with I Bracket. Holds up to 200 lbs.	**599.00**
B79-210	QSWI3000	Flush Mount with H Bracket. Holds up to 200 lbs.	**439.00**
B79-211	QSWI3001	Flush Mount with H Bracket. With 36" Spreader Bar Holds up to 200 lbs.	**579.00**
B60-869	QSWI5001	Swivel Flush Heavy Duty With 34" I Bracket. Holds up to 400 lbs.	**735.00**
B60-870	QSWI5002	Swivel Flush Heavy Duty With 52" I Bracket. Holds up to 400 lbs.	**815.00**

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Quick-Sling Mini-Split Wall Brackets

- Design allows for mounting units up and out or down and out
- Anti-vibration Isolation (4 points on 1000 & 3000, 9 on 2000 & 4000)
- Galvanized hardware included
- Arms attaches to wood using zip screws and a 4" through bolt
- Install to steel using steel beam adapters (sold separately)



Order #	Mfg. #	Description	Each
B79-202	QSWB1000	Holds up to 500 lbs. 26" Depth (Over Bracket); For Flat Surfaces	**589.00**
B60-871	QSWB1100	Holds up to 500 lbs. 26" Depth (Over Bracket); For Flat Surfaces; Heavy Duty Wall Bracket With Slider Tracks	**735.00**
B79-203	QSWB2000	W/Rail. Holds up to 350 lbs. 25" Depth (Hanging Bracket); For Wood Siding	**449.00**
B79-207	QSWB2000SS	Wall Bracket, Stainless Steel Wall Bracket w/Rail. Holds up to 350 lbs.	**549.00**
B79-204	QSWB3000	2 Bends. Holds up to 300 lbs. 25" Depth (Over/Under Bracket); For Vinyl Siding	**619.00**
B62-099	QSWB2004	For Horizontal Discharge Units, holds 350 lbs.	**619.00**

Quick-Sling Mini-Split Condenser Stands

- Provides a safe, stable platform
- Keeps it elevated above lawn mowers, weed whackers, pets, snow, and flooding
- Allows for easy access during installation, service, and maintenance
- Includes rubber foot pads and 4 anti-vibration isolation washers



Order #	Mfg. #	Description	Gauge	Each
12" High Stand				
B79-102	QSMS1200	16" Wide - 37" Deep - 400 Lbs. Capacity	14	**675.00**
B79-103	QSMS1201	20.5" Wide - 37" Deep - 400 Lbs. Capacity	14	**675.00**
B79-104	QSMS1202	Dual Fan - 30.5" Wide - 37" Deep - 400 Lbs. Capacity	14	**725.00**
B62-100	QSMS1204	30.5" Wide - 54" Deep - 400 Lbs. Capacity	14	**895.00**
B62-803	QSMS1205	30.5" Wide - 54" Deep - 400 Lbs. Capacity	14	**985.00**
B65-750	QSMS4000-12	Combo - Single Or Dual Units - 900 Lbs. Capacity	11	**2299.00**
18" High Stand				
B79-106	QSMS1800	16" Wide - 34" to 40" Deep - 400 Lbs. Capacity	14	**765.00**
B79-107	QSMS1801	20.5" Wide - 34" to 40" Deep - 400 Lbs. Capacity	14	**765.00**
B79-108	QSMS1802	Dual Fan - 30.5" Wide - 41" Deep - 400 Lbs. Capacity	14	**825.00**
B62-101	QSMS1804	26" Wide - 54" Deep - 400 Lbs. Capacity	14	**995.00**
B65-751	QSMS4000-18	Combo - Single Or Dual Units - 900 Lbs. Capacity	11	**2799.00**
24" High Stand				
B62-102	QSMS2404	30-1/4" Wide - 55" Deep - 400 Lbs. Capacity	14	**1145.00**
B65-752	QSMS4000-24	Combo - Single Or Dual Units - 900 Lbs. Capacity	11	**3099.00**
Roof Stand				
B64-391	QSPR1000	Adjustable Pitch - Holds Up To 310 lbs.	—	**475.00**
Double Stack Stand				
B79-105	QSMS1203	Double Stack. Holds up to 400 lbs. on Bottom and 200 lbs. on Top.	—	**1299.00**

Quick-Sling Aluminum Mini-Split Stands

- Lightweight stand ideal for coastal or harsh environments
- Elevates condensing units above lawn mowers, weed trimmers, pets, snow and flooding
- Heavy load capacity up to 400 lbs.
- Pre-installed 50 Durometer rubber pads on each foot to reduce vibration and noise
- **B67-998** and **B67-999** are dual fan units



Order #	Mfg. #	Description	Each
Unpainted			
B66-474	QSMS1201-AL	12" High	**735.00**
B66-475	QSMS1801-AL	18" High	**875.00**
B66-476	QSMS2401-AL	24" High	**965.00**
Powder-coated			
B67-995 ◂	QSMS1201-PAL	12" High	**789.00**
B67-996 ◂	QSMS1801-PAL	18" High	**879.00**
B67-997 ◂	QSMS2401-PAL	24" High	**965.00**
B67-998 ◂	QSMS1202-PAL	12" High	**839.00**
B67-999 ◂	QSMS1802-PAL	18" High	**939.00**

QUICK-SLING

Aluminum Equipment Stands



- Provides a safe, stable platform
- Keeps unit elevated above lawn mowers, weed trimmers, pets, snow, and flooding
- Allows for easy access during installation, service, and maintenance

Order #	Mfg. #	Description	Each
B62-797	QSTD1403-AL	14" High	**889.00**
B62-799	QSTD2403-AL	24" High	**1199.00**

DIVERSITECH

Aluminum Mini-Split Stands

NEW



- Light weight stand ideal for coastal or harsh environments
- Elevates condensing units above lawn mowers, weed trimmers, pets, snow and flooding
- Heavy load capacity up to 400 lbs.
- Pre-installed 50 Durometer rubber pads on each foot to reduce vibration and noise

Order #	Mfg. #	Description	Each
B68-001 ◀	DT1201-AL	12" High	**529.00**
B68-002 ◀	DT1801-AL	18" High	**559.00**
B68-003 ◀	DT2401-AL	24" High	**585.00**

QUICK-SLING

Flexi Frame Stands



- For mini-split and VRF applications designed to provide stabilty and spread loads evenly across flat roof surface
- 1,100 lbs. capacity
- 1.6" square galvanized steel beams and crossbars
- Feet are 12.6" square polypropylene with integral rubber mat
- Legs are 1.9" diameter steel tube with M24 stud adjuster and thick U-clevis
- Minimum height 12" and maximum height 16"
- Base stands include 4 mounting feet and extender stands include 2 mounting feet

Order #	Mfg. #	Description	Each
B65-753	FF-BF-B	Base Stand 47.25" X 47.25"	**795.00**
B65-754	FF-EF-B	Extender Stand 47.25" X 47.25"	**625.00**
B65-755	FF-BF-1500-B	1500 Base Stand - 59.1" X 59.1"	**1899.00**
B65-756	FF-EF-1500-B	1500 Extender Stand - 59.1" X 59.1"	**1499.00**

QUICK-SLING

Quick-Sling Mini-Split Cassette Hangers



- Light-weight aluminum construction
- Strong enough for large cassettes
- Adjustable in all directions after installation
- Hardware included

Order #	Mfg. #	Description	Each
B60-874	QSCH1000	Cassette Hanger Small	**409.00**
B60-875	QSCH2000	Cassette Hanger Large	**505.00**

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Mini-Split Stand



- Raises condenser up to 12" above a flat surface
- Independent adjustable legs for uneven surfaces
- Anti-slip rubber feet
- Powder coated paint finish for extended weather resistance
- 176 lbs. maximum capacity

Order #	Mfg. #	Each
B75-054	87743	**309.00**

DIVERSITECH

Hef-T-Bracket™ Mini-Split Wall Brackets



- For installation of mini-split condensing units
- 16 gauge powder-coated galvanized steel
- Cross bar with pre-drilled slots for mounting to walls with studs at 12 in. or 16 in. on center
- L-shaped brackets with adjustable hook that allows crossbar to be installed at different angles to adapt to sloped walls
- 500 lbs. capacity

Order #	Mfg. #	Description	Arm Length	Load Rating Per Arm	Each
B99-662	230-B2M	Medium, With Hinge	18"	250 Lbs.	**215.00**
B66-796	230-B3M	Medium, Without Hinge	18"	250 Lbs.	**189.00**
B99-663	230-B2L	Large, With Hinge	22"	250 Lbs.	**255.00**
B66-797	230-B3L	Large, Without Hinge	22"	250 Lbs.	**185.00**
B65-749	230-B2XL	X-Large, Without Hinge	26"	250 Lbs.	**289.00**

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Mini-Split Condenser Brackets

- For installation of ductless mini-split systems
- Fully adjustable with fasteners included
- Powder coated paint finish for extended weather resistance
- **B75-234** is stainless steel



Order #	Mfg. #	Description	Each
B95-253	WBB-300	Wall Condenser Bracket — Max. 300 Lbs.	**185.00**
B75-234	WBB-300SS	Wall Condenser Bracket — Max. 300 Lbs.	**375.00**
B95-254	WBB-500	Wall Condenser Bracket — Max. 500 Lbs.	**285.00**
B95-255	PCK30	Wall Condenser Bracket — Max. 220 Lbs.	**709.00**

Mighty Bracket™ Evaporator Support

- Mini-split installation support tool
- Clips to the mounting bracket of most mini-split brands
- Supports up to 100 lbs.
- 20" long support arms
- Allows single person installation
- Does not damage walls



Order #	Mfg. #	Each
H85-895	97705	**415.00**

Big Foot Multi Frame Stands

- Big Foot multi-frame is a quick to assemble and versatile VRF/VRV mount
- Once the initial frame is built expand with the addition of extension kits that extend from any side
- Multi-frame is available with two leg assembly heights
- Adjustable leg assemblies are quick and easy to assemble
- Galvanized steel frame with 12" feet
- Ideal rooftop support of equipment and systems
- Weather resistance



Order #	Mfg. #	Description	Each
B65-360	70265	B9731 Multi Frame XL (59" W x 47" L x 13"-18" H)	**2645.00**
B65-361	70267	B9732 Multi Frame XL Extension (59" W x 47" L x 13"-18" H)	**1745.00**
B65-362	70268	B9731/1 Multi Frame XL Long Stud (59" W x 47" L x 13"-26" H)	**2999.00**
B65-363	70269	B9732/1 Multi Frame XL Ext Long Stud (59" W x 47" L x 13"-26" H)	**2045.00**

Big Foot Fleece Pads

- Isolates the frame from roof material
- Prevents bonding through polymer migration



Order #	Mfg. #	Description	Each
B65-364	87650	B9156 12" Small Foot Fleece	**65.00**
B65-365	87651	B9157 18" Large Foot Fleece	**75.00**
B65-366	87652	B9415 24" Mega Foot Fleece	**89.00**

Big Foot Fast Fix Stands for Mini-Splits

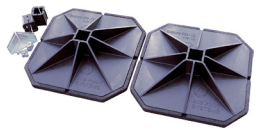
- Compatible with all leading mini-split condensing units
- Strong and sturdy base for individual or multiple units
- Rugged ASTM-A36 galvanized steel corrosion resistant support
- Pre-boxed for quick assembly
- Tested to ASTM (Salt mist) B117 and G85 (Acetic salt mist) standards
- Base extensions allow unlimited mounting possibilities



Order #	Mfg. #	Description	Each
B65-367	87686	B5550 Mini-split stand kit (27-9/16" L x 44-1/4" W x 12" H)	**635.00**
B65-368	87630	B5551 Mini-split stand kit (27-9/16" L x 44-1/4" W x 17-11/16" H)	**669.00**
B65-369	87631	B5554 Extender (for use w/87630 ONLY) (37-2/3" W x 16-1/2 to 24-3/8" L)	**589.00**

Big Foot Multi H-Frame Kit

- Ideal rooftop support of ancillary equipment including ducts, pipes and cable trays
- Accepts one strut (not included)
- All H-frame kits accept box section
- H frame kit with 12" square strut fits securely into pockets provided in feet
- Includes 1 pair of feet



Order #	Mfg. #	Description	Each
B65-370	87714	Big Foot System H Frame Kit 18" B6089 (19" W x 19" L x 4-1/4" H)	**1145.00**

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Big Foot Fast Fix Stands for VRF/VRVs



- Available in a variety of sizes, with optional extender kits for both height and length, the stand range is designed to support units both individually and in multiples
- With adjustability of cross bar positions, anti-vibration mounts for minisplits and clamp kits for the VRF/VRV units, these frames can support a wide variety of units, are cost-effective and quick to assemble

Order #	Mfg. #	Description	Each
B65-372	87634	B5556 VRF 990 Stand Kit (24-3/8" W to 30-11/16" W x 39" L x 12" H)	**1199.00**
B65-373	87635	B5559 VRF 990E Extender (39" L)	**799.00**
B65-374	87636	B5557 VRF 1290 Stand Kit (24-3/8" W to 30-11/16" W x 50-3/16" L x 12" H)	**1299.00**
B65-375	87637	B5560 VRF 1290E Extender (50-13/16" L)	**919.00**
B65-376	87638	B5558 VRF 1450 Stand Kit (24-3/8" W to 30-11/16" W x 57-1/8" L x 12" H)	**1899.00**
B65-377	87639	B5561 VRF 1450E Extender (57-1/8" L)	**955.00**

RECTORSEAL
A CSW Industrials Company

Big Foot Fast Fix Riser Kits for VRF/VRVs



- Available in a variety of sizes, with optional extender kits for both height and length, the stand range is designed to support units both individually and in multiples
- With adjustability of cross bar positions, anti-vibration mounts for minisplits and clamp kits for the VRF/VRV units, these frames can support a wide variety of units, are cost-effective and quick to assemble

Order #	Mfg. #	Description	Each
B87-797	87653	B5655 VRF Riser Kit (18" H)	**339.00**
B87-798	87654	B5656 VRF Riser Kit (24" H)	**415.00**
B87-799	87655	B5657 VRF Riser Extender (18" H)	**255.00**
B87-800	87657	B5658 VRF Riser Extender (24" H)	**295.00**

MUELLER STREAMLINE CO.

Channel



- For mounting ductwork, pipe, unit heaters, horizontal furnaces and other framing/support applications

Order #	Mfg. #	Description	Size	Each
R94-565	8400-011-10	12 Gauge	1-5/8" x 1-5/8" x 10'	**79.00**
R94-566	8401-111-10	14 Gauge	1-5/8" x 13/16" x 10'	**55.00**

MUELLER STREAMLINE CO.

Threaded Rod



- Threads meet commercial nut fit
- Typical Hardness meets HRB 70-100 Tensile Strength 60,000 PSI Min

Order #	Description	Size	Each
R94-570	Threaded Rod	3/8" x 6'	**10.99**
R94-568	Threaded Rod	1/2" x 6'	**19.49**

Order #	Description	Size	Each
R94-569	Threaded Rod	3/8" x 10'	**17.99**
R94-567	Threaded Rod	1/2" x 10'	**32.49**

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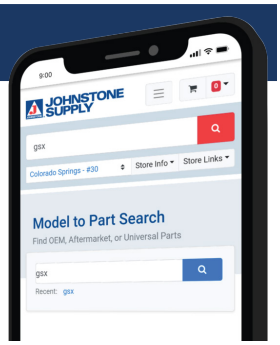

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Pipe Clamps, Hangers and Straps


A


B


C


D


E


F

Fig.	Order #	Description	Size	Each
A	**R56-383**	Pipe Clamp, OD Tubing	3/8"	**3.15**
A	**R56-379**	Pipe Clamp, OD Tubing	1/2"	**3.29**
A	**R56-385**	Pipe Clamp, OD Tubing	5/8"	**3.35**
A	**R56-386**	Pipe Clamp, OD Tubing	7/8"	**3.75**
A	**R56-380**	Pipe Clamp, OD Tubing	1-1/8"	**4.85**
A	**R56-381**	Pipe Clamp, OD Tubing	1-3/8"	**5.59**
A	**R56-382**	Pipe Clamp, OD Tubing	2-5/8"	**9.79**
A	**R56-384**	Pipe Clamp, OD Tubing	3-1/8"	**11.49**
A	**R56-393**	Pipe Clamp, EMT, IMC, Rigid	1/2"	**3.15**
A	**R56-397**	Pipe Clamp, EMT, IMC, Rigid	3/4"	**3.75**
A	**R56-392**	Pipe Clamp, EMT, IMC, Rigid	1"	**4.59**
A	**R56-395**	Pipe Clamp, EMT, IMC, Rigid	1-1/4"	**5.29**
A	**R56-394**	Pipe Clamp, EMT, IMC, Rigid	1-1/2"	**7.15**
A	**R56-396**	Pipe Clamp, EMT, IMC, Rigid	2"	**8.15**
A	**R56-387**	Pipe Clamp, Rigid	2-1/2"	**10.49**
A	**R56-388**	Pipe Clamp, Rigid	3"	**11.49**
A	**R56-389**	Pipe Clamp, Rigid	3-1/2"	**11.99**
A	**R56-390**	Pipe Clamp, Rigid	4"	**13.99**
A	**R56-391**	Pipe Clamp, Rigid	5"	**20.49**
B	**R56-400**	Cushioned Clamp, OD Tubing	1/4"	**9.09**
B	**R56-407**	Cushioned Clamp, OD Tubing	3/8"	**6.65**
B	**R56-399**	Cushioned Clamp, OD Tubing	1/2"	**7.39**
B	**R56-409**	Cushioned Clamp, OD Tubing	5/8"	**9.15**
B	**R56-406**	Cushioned Clamp, OD Tubing	3/4"	**9.49**
B	**R56-410**	Cushioned Clamp, OD Tubing	7/8"	**9.65**
B	**R56-401**	Cushioned Clamp, OD Tubing	1-1/8"	**10.49**
B	**R56-402**	Cushioned Clamp, OD Tubing	1-3/8"	**11.49**

Fig.	Order #	Description	Size	Each
B	**R56-403**	Cushioned Clamp, OD Tubing	1-5/8"	**16.99**
B	**R56-404**	Cushioned Clamp, OD Tubing	2-1/8"	**22.99**
B	**R56-405**	Cushioned Clamp, OD Tubing	2-5/8"	**31.99**
B	**R56-408**	Cushioned Clamp, OD Tubing	3-1/8"	**38.49**
C	**R56-464**	Split Pipe Rings, 3/8" Rod	1/2"	**9.35**
C	**R56-468**	Split Pipe Rings, 3/8" Rod	3/4"	**8.69**
C	**R56-463**	Split Pipe Rings, 3/8" Rod	1"	**9.79**
C	**R56-466**	Split Pipe Rings, 3/8" Rod	1-1/4"	**11.49**
C	**R56-465**	Split Pipe Rings, 3/8" Rod	1-1/2"	**15.49**
C	**R56-467**	Split Pipe Rings, 3/8" Rod	2"	**16.49**
D	**R56-421**	Pipe Hanger, Standard	1/2"	**4.09**
D	**R56-425**	Pipe Hanger, Standard	3/4"	**4.29**
D	**R56-420**	Pipe Hanger, Standard	1"	**4.59**
D	**R56-423**	Pipe Hanger, Standard	1-1/4"	**4.99**
D	**R56-422**	Pipe Hanger, Standard	1-1/2"	**5.09**
D	**R56-424**	Pipe Hanger, Standard	2"	**5.59**
D	**R56-431**	Pipe Hanger, Copper	1/2"	**6.29**
D	**R56-435**	Pipe Hanger, Copper	3/4"	**6.45**
D	**R56-430**	Pipe Hanger, Copper	1"	**7.15**
D	**R56-433**	Pipe Hanger, Copper	1-1/4"	**7.35**
D	**R56-432**	Pipe Hanger, Copper	1-1/2"	**7.45**
D	**R56-434**	Pipe Hanger, Copper	2"	**9.09**
E	**R56-460**	Side Beam Bracket	3/8"	**10.99**
E	**R56-459**	Side Beam Bracket	1/2"	**13.99**
F	**R56-458**	Ceiling Flange	3/8"	**7.45**
F	**R56-457**	Ceiling Flange	1/2"	**9.59**

Fittings and Brackets


A


B


C


D


E


F

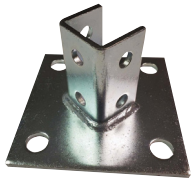
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Fig.	Order #	Description	Size	Each
A	**R56-411**	90° L Bracket	2-1/4" x 1-5/8"	**9.05**
B	**R56-412**	90° L Bracket	4-1/8" x 1-5/8"	**13.99**
B	**R56-413**	90° L Bracket	2-1/4" x 3-1/2"	**11.49**
C	**R56-414**	Flat Plate Fitting	3-1/2"	**8.45**

Fig.	Order #	Description	Size	Each
D	**R56-415**	Flat Plate Fitting	5-3/8"	**13.99**
E	**R56-398**	U-Shapped Fitting	5-3/8" x 1-5/8"	**22.49**
F	**R56-416**	Post Base	3-1/2" x 1-5/8" x 1-11/16"	**89.00**
G	**R56-471**	Steel Bracket	4-5/8" x 12"	**135.00**

Threaded Products and Hardware


A


B


C


D


E


F


G


H

Fig.	Order #	Description	Size	Each
A	**R56-429**	Spring Nut	3/8"	**2.99**
A	**R56-428**	Spring Nut	1/2"	**3.45**
B	**R56-456**	Rod Coupling	3/8"	**1.15**
B	**R56-455**	Rod Coupling	1/2"	**1.45**
C	**R56-439**	Hex Nut	3/8"	**0.56**
C	**R56-438**	Hex Nut	1/2"	**0.78**
D	**R56-437**	Hex Head Cap Screw	3/8" x 3/4"	**0.78**
D	**R59-020**	Hex Head Cap Screw	3/8" x 1"	**0.78**
D	**R59-021**	Hex Head Cap Screw	3/8" x 1-1/2"	**0.87**

Fig.	Order #	Description	Size	Each
D	**R56-436**	Hex Head Cap Screw	1/2" x 15/16"	**2.99**
E	**R56-441**	Washer	3/8"	**0.60**
E	**R56-440**	Washer	1/2"	**0.78**
F	**R56-448**	Fender Washer	3/8"	**0.78**
F	**R56-447**	Fender Washer	1/2"	**1.05**
G	**R56-443**	Lock Washer	3/8"	**0.51**
G	**R56-442**	Lock Washer	1/2"	**0.73**
H	**R56-444**	Coach Screw Rod	3/8" x 4"	**6.15**
H	**R56-445**	Coach Screw Rod	3/8" x 6"	**9.59**

Beam Clamps and Hangers


A


B


C


D

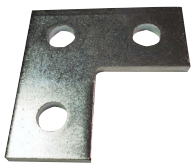

E

Fig.	Order #	Description	Size	Each
A	**R56-427**	Clamp w/Locknut	3/8"	**14.99**
B	**R56-462**	Top Beam Clamp	3/8"	**11.99**
B	**R56-461**	Top Beam Clamp	1/2"	**11.99**
C	**R56-375**	Side Beam Clip	3/8" x 1-1/2"	**17.99**

Fig.	Order #	Description	Size	Each
D	**R56-374**	Beam Clamp	1' x 1-1/4" w/ 1/4" Holes	**7.79**
E	**R56-376**	Conduit & Pipe Hangers	3/8"–1/2"	**4.75**
E	**R56-377**	Conduit & Pipe Hangers	3/4"	**5.05**
E	**R56-378**	Conduit & Pipe Hangers	1"	**5.35**

Slotted Angle


A


B


C

Fig.	Order #	Description	Size	Each
A	**R94-571**	14 Gauge	1-5/8" X 1-5/8" X 10'	**115.00**
A	**R94-572**	14 Gauge	2-3/8" X 1-5/8" X 10'	**145.00**

Fig.	Order #	Description	Size	Each
B	**R56-470**	Gusset Plate	—	**17.49**
C	**R56-469**	Nuts & Bolts	3/8" x 5/8"	**1.99**

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WE'RE THE EXPERTS YOU COUNT ON.

- Products you need, including hard to find specialty parts
- Service and support
- Delivery options to get you back on the road
- Technology to help you on the job
- Training to keep you competitive



BETTER SERVICE & LOCAL SUPPORT WITH GLOBAL PARTNERS

THAT'S THE POWER OF

JOHNSTONE™

Welder's Brush



- Stainless steel bristles
- 8" hardwood handle
- 1-1/2" bristles in three rows

Order #	Mfg. #	Each
H26-102	BRS81002	5.05

Dope/Acid Brush



- For applying cement, glue, paint, mastic and other adhesives
- 7" handle for access to tight places

Order #	Mfg. #	Each
H26-708	BRS10007	2.49

Acid Brushes



- Handy tin handle brush for applying acid
- Black horse hair securely clinched in tin ferrules
- Pack of 144

Order #	Mfg. #	Each
H23-620	BRS10001	69.00

Chip Brushes



- For applying glue, cement or mastic
- White Chinese bristle, metal ferrule

Order #	Mfg. #	Brush Width	Each
H26-706	BRS67192	1"	2.29
H26-707	BRS67194	2"	2.49
H26-101	BRS67196	3"	2.55

Condenser Fin Whisk Brush



- For cleaning debris from condenser fins and evaporators
- Size: 3" W x 2-1/8" trim

Order #	Mfg. #	Each
H25-685	BRS02026	5.05

Utility Wire Brush



- 5" long, 10" overall length
- 1-3/16" bristles in four rows

Order #	Mfg. #	Each
H23-626	BRS81234	15.99

Multi-Purpose Cleaning Brushes

- Extra-long length
- Flexible twisted wire stem
- For furnace and duct cleaning and many other hard-to-reach applications

Order #	Mfg. #	Material	Brush Diam.	Brush Length	Length	Each
H93-064	BRS76200	Brass Wire	2-1/8"	7"	48"	22.99
H93-065	BRS76210	Stainless Steel	2-1/8"	7"	48"	35.99
H93-066	BRS76220	Black Fibre	2-1/8"	7"	48"	15.99

Tube Brush



- 1/2" x 15" nylon tube brush is perfect to clean the inside of 1/2" sight glass as found on boilers
- Ideal for cleaning soft residue found in 1/2" pipe

Order #	Mfg. #	Each
H26-709	BRS14518	7.65

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Condenser Brush

- Long flexible handle; soft nylon bristles tapered to fit those hard-to-reach condenser coils in confined areas
- Brush and handle measure 27" overall

Order #	Mfg. #	Each
H24-710	BRS00408	**10.99**

Boiler Brushes

- Flat style Columbia or Weil McLain
- To clean within the fire chamber of boilers

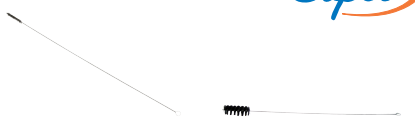

Fig.	Order #	Mfg. #	Material	Length	Style	Each
A	**H93-062**	BRS46304	Crimped Wire	48"	Columbia	**20.99**
B	**H85-337**	BRS14466	Crimped Wire	30"	Weil McLain	**26.99**
B	**H93-063**	BRS14468	Crimped Wire	46"	Weil McLain	**29.49**
B	**H85-338**	BRS14477	Bristle	30"	Weil McLain	**24.49**

Fitting Brushes

- Premium quality stainless steel, for long life and durability
- Double spiral 4-ply wire construction



Order #	Mfg. #	O.D.	Each
H23-621	BRS00924	1/4"	**7.65**
H23-622	BRS00925	3/8"	**12.99**
H23-623	BRS00926	1/2"	**12.99**
H23-624	BRS00927	5/8"	**12.99**

Order #	Mfg. #	O.D.	Each
H23-625	BRS00928	3/4"	**12.99**
H24-984	BRS00929	7/8"	**12.99**
H26-122	BRS00931	1-1/8"	**13.49**
H26-123	BRS00932	1-3/8"	**13.49**

Order #	Mfg. #	O.D.	Each
H26-124	BRS00934	1-5/8"	**15.99**
H26-125	BRS00935	2-1/8"	**15.99**

2-in-1 Fitting Brush and Outside Pipe Cleaners

- Stainless steel brush and cleaner
- One end cleans fitting; the other cleans the tube
- Hard outer shell protects wire brush from damage



Order #	Mfg. #	O.D.	Each
H26-455	BRS009951	1/4"	**26.49**
H26-456	BRS009952	3/8"	**34.99**
H26-457	BRS009953	1/2"	**28.99**

Order #	Mfg. #	O.D.	Each
H26-458	BRS009954	5/8"	**28.99**
H26-459	BRS009955	3/4"	**26.49**
H26-460	BRS009956	7/8"	**26.49**

Flame Sensor Cleaner

- Easily clean sensors to prevent false starts
- Convenient key ring



Order #	Mfg. #	Each
H28-113	FSC10	**17.49**

Coil-X Coil Cleaning Brush

- Quickly cleans evaporator and condenser coils to maintain efficiency
- Adjustable brush head pivots up to 120°
- Patented stiffness adjustment slide
- Tempered stainless steel cleaning heads
- Handle extends to 4'



Order #	Mfg. #	Each
H86-195	CCB100	**69.00**

Viper Hand Cleaner Gel



- 70% ethyl alcohol which is more effective at lower concentrations
- No off-gas fumes, burn skin or dry out hands
- Gel formula as opposed to a water thin formula
- Polymers turns product into a gel
- Added moisturizers such as aloe to sooth hands with a fresh scent
- 1 gallon

Order #	Mfg. #	Each
G81-061	RT8989	**85.00**

Fast Orange® Hand Cleaner with Pumice



A



B

- Concentrated hand cleaner with pumice scrubber
- Removes the toughest dirt, grease, grime and oil
- Contains lanolin, aloe and jojoba in a citrus base
- Contains no petroleum distillates

Fig.	Order #	Mfg. #	Description	Size	Application	Length	Each
A	**G89-817**	95561	Fine Pumice deep cleans the toughest dirt	15 Oz.	Household Cleaning, scuff marks, tough stains laundry, pet odors and more	7.9"	**18.49**
B	**G89-867**	95562	Fine Pumice deep cleans the toughest dirt	1 Gallon	Household Cleaning, scuff marks, tough stains laundry, pet odors and more	2-4/5"	**79.00**

Dragon Towels™



- Wiping up solvent and oil-based spills
- Cleaning tools
- Scrubbing components
- Absorbing water
- General cleaning
- 12" x 12.5" width and electric blue color
- 100 Pk.

Order #	Mfg. #	Each
W69-745	4162-01	**55.00**

Scrubs® In-A-Bucket



- Waterless hand cleaner towels
- Premoistened, deep cleaning multi-purpose scrubs
- Towels are abrasive on one side, soft on the other side
- 80 wipes per bucket

Order #	Mfg. #	Each
W89-187	4366-87	**89.00**

Box of Rags



- All white, knit, recycled t-shirt material
- For all-purpose wiping, cleaning and polishing
- Machine washable and low-linting
- 4 lb. box

Order #	Mfg. #	Each
W69-645	10520	**30.49**

Huck Towels



- 100% cotton surgical-style towels
- For all-purpose wiping, cleaning and polishing
- Highly absorbent and durable
- Machine washable and low-linting
- 5 lb. box
- Size: 16” x 23”

Order #	Mfg. #	Each
W69-646	10211	**42.99**

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Shop Towels

- Original red towels for industry, garage, home and shop
- 100% machine washable cotton
- 25 towels per package
- Size: 14" x 14"



Order #	Mfg. #	Each
W69-176	62013C	**29.49**

Terry Towels

- Fully hemmed and machine washable
- 100% cotton
- 24 towels per package
- Size: 14" x 17



Order #	Mfg. #	Each
W69-644	60221	**46.99**

Microfiber Cleaning Cloths

- Use wet or dry to clean and polish
- Ultra absorbent, streak and lint free
- Machine washable
- 12 cloths per package
- Size: 12" x 16"



Order #	Mfg. #	Each
W69-594	65100	**24.49**

Green Clean

- Pleasantly scented, all-purpose cleaner, for removal of grease and other heavy soils
- Can be used straight from the container, or diluted for lighter jobs
- Biodegradable



Order #	Mfg. #	Description	Each
G80-234	4186-24	1 Qt. Spray Bottle	**37.99**
G80-235	4186-08	1 Gal. Bottle	**75.00**

CleanVu Aerosol Glass Cleaner

- Use for hard, non-Porous Surfaces
- Streak-free shine, fast-drying and non-filming
- Ammonia-free with lemon scent
- Non-flammable



Hazardous Material Shipping Alert

Order #	Mfg. #	Each
G80-763	4081-85	**10.99**

Stainless Steel Cleaner for Restoring Shine

- For stainless steel, chrome and hard washable surfaces
- Polishes and protects
- Removes light soil
- Restores shine and luster
- Oil-based cleaner
- Convenient aerosol spray
- Pleasant lemon scent



Order #	Mfg. #	Each
G80-764	4084-75	**21.49**

Supco®

Super-Lube®

- Multipurpose synthetic lubricant with Teflon®
- USDA rated and listed
- FDA approved for use with food handling equipment
- Wide temperature range: -45°F to +450°F continuous, or up to 550°F intermittent
- Non-polluting, contains no petroleum distillates
- Odorless and non-staining
- **G89-882** is ORM-D classified



A



B



C

Hazardous Material Shipping Alert

Fig.	Order #	Mfg. #	Description	Size	Each	12 Lot
A	**G31-547**	51010	Pocket Size Oiler	.25 Oz.	**18.49**	**16.99**
B	**G89-882**	31110	Aerosol	11.0 Oz.	**40.99**	**36.99**

Fig.	Order #	Mfg. #	Description	Size	Each	12 Lot
C	**G89-883**	41150	Grease Gun Cartridge	14.50 Oz.	**59.00**	**55.00**

RECTORSEAL
A CSW Industrials Company

Break-Out™ Anti-Seize



- Corrosion-resistant grease for use on bolts, nuts, and screws to prevent seizing
- Contains fine copper flakes and graphite particles — does not wash off
- Resists seizure for easy breakout up to 1800°F (928°C)
- 8 oz.

Order #	Mfg. #	Each
G34-887	73551	**75.00**

Nu-Calgon

Pump Protector



- Protects seasonally operated pumps against corrosion
- Convenient 10 oz. aerosol can
- Safe for all types of water pumps
- Requires no rinsing at start-up
- Authorized by USDA for use in federally inspected meat and poultry plants

Order #	Mfg. #	Each
G80-043	4299-T8	**44.49**

Supco®

High Grade Lubricating Oil in Zoom Spout®



- Has paraffin base and 14" telespout tip
- All-purpose, high-temperature, non-gumming turbine oil, non-detergent
- 4 oz.

Order #	Mfg. #	Description	Each
G84-620	MO98	Oiler	**21.99**

Supco®

Rust Buster™ Penetrating Oil in Zoom Spout®



- Telespout reaches difficult areas up to 14"
- Loosens rusted screws, bolts, nuts, etc.
- 4 oz.

Order #	Mfg. #	Description	Each
G84-621	MO44	Rust Buster	**23.99**

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Penetrate HD Penetrating Oil

- Quickly loosens rusted or frozen metal parts on equipment, screws, fan blades, nuts, bolts and many other applications
- **G80-734** and **G80-735** are low VOC



Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Each
G80-818	AK12	12 Oz.	**40.49**
G80-819	AK17	17 Oz.	**55.00**
G80-734	61107	12 Oz. Low VOC	**41.49**

Thread Cutting Oil

- Cools threads and pipe during operation
- Speeds metal removal
- Improves thread quality
- Low order and anti-mist formulation
- Free of chlorine and other halogens, PCBs and heavy metals



Order #	Mfg. #	Description	Each
H85-535	70830	1 Gal. Pipe Thread Oil	**85.00**
H27-414	70835	Nu-Clear Thread Cutting Oil (1 Gallon)	**85.00**

Multi-Purpose Grease Cartridge

- High quality, all-season lithium base, smooth fiber grease
- 14 oz. cartridge used for grease gun



Order #	Mfg. #	Description	Viscosity	Size	Wt. Lbs.	Each
G31-405	93361	Grease	Semi-solid	14 oz.	1.00	**20.49**

Lever Action Grease Gun

- Develops up to 10,000 PSI
- Loads three ways
- Uses standard 14 oz. cartridge



Order #	Mfg. #	Description	Wt. Lbs.	Each
G31-404	93353	Grease Gun	2.95	**135.00**
G31-503	93367	12" Grease Hose	0.14	**45.49**
G31-722	93365	Standard grease gun coupler	0.05	**18.49**

Multi-Purpose Lithium Grease

- Superior lubricant for pumps, bearings and shafts



Order #	Description	Each
G22-740	Grease	**30.49**

Nu-Kill® II Wasp and Hornet Killer

- Provides for instant kill
- Jet spray up to 20 feet
- Safe around and in electrical equipment
- 13.5 oz



Order #	Mfg. #	Each
G80-630	4292-75	**32.99**

Non-Flammable Contact Cleaner

- For use on electronic circuit boards, switches, timers and motors
- Quick evaporation without oxidizing or leaving a residue
- High dielectric strength
- 10 oz.



Hazardous Material Shipping Alert

Order #	Mfg. #	Each
G84-844	362-16	**85.00**

RECTORSEAL
A CSW Industrials Company



K.O. Dirt Blaster™

- Quickly dissolves grease and oil on refrigeration coils, oil burner surfaces and other machine parts
- Strips off dirt and cooking grease without a water rinse
- Quick-drying safety solvent with pleasant citrus scent
- Non-conductive — will not short out electrical equipment, such as relays, circuit breakers, or other electrical components
- For best results, use only on cool surfaces
- 20 oz.

Hazardous Material Shipping Alert

Order #	Mfg. #	Each
G80-559	88438	**45.49**

RECTORSEAL
A CSW Industrials Company



Grime-Solv™

- Foaming cleaner-degreaser emulsifies and flows away grime and dirt
- Use on marine and automotive engines, heating and air conditioning equipment
- Can be used on any machinery that can be rinsed with water or wiped with a rag
- Great for hard-to-reach spots
- 14 oz. aerosol

Order #	Mfg. #	Each
G89-814	88436	**42.99**

RECTORSEAL
A CSW Industrials Company



Zipp™

- Quick drying solvent degreaser for cleaning electrical equipment and small mechanical parts
- Removes oil and grease in hard-to-reach places
- No flash point up to its boiling point
- High dielectric strength
- Comes with extension tube applicator
- 14 oz. aerosol

Order #	Mfg. #	Each
G89-813	82642	**38.49**

RECTORSEAL
A CSW Industrials Company



Soot Spray™

- Soot-remover aerosol reaches where powders and vacuum cleaners cannot
- Cuts vacuum time by 50–100%
- Catalytically active for safest possible soot removal
- Approved for Connecticut sale
- Contains no lead, non-flammable
- 14 oz. aerosol

Hazardous Material Shipping Alert

Order #	Mfg. #	Each
G89-812	68342	**45.99**

DIVERSITECH



General Purpose Spray Paint

- V.O.C. compliant in the state of California
- Fast dry
- Tack free in 10 to 20 minutes; thoroughly dry in less than an hour
- 10 oz.

Order #	Mfg. #	Description	Each
G84-853	799-002V	Flat Black	**24.99**

Order #	Mfg. #	Description	Each
G84-973	799-012	Zinc Galvanizing	**55.00**

DIVERSITECH



High Temp Spray Paint

- Resists temperatures up to 1000°F
- Great for use on boilers, furnaces, steam pipes, chimney collars, compressors and engine manifolds
- 15 oz.

Order #	Mfg. #	Description	Each
G84-849	799-040	Aluminum	**49.49**
G84-945	799-041	Black	**55.00**

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Coil Gun

Nu-Calgon

- For spraying coil cleaners on air-cooled condensers and evaporator coils
- Can also be used with any water-diluted chemical in a variety of cleaning applications, such as food preparation areas, wash rooms, vehicle washing, cleaning buildings and driveways
- Adjustable water-to-chemical ratio
- Nozzle can be removed from canister and used alone with a standard hose
- Recommended water pressure: 40 to 60 PSI



Order #	Mfg. #	Each
X71-249	4774-0	**235.00**

Talon Flexible Aerosol Wand

Nu-Calgon

- 27" reusable flexible spray wand
- Provides precision spray in tight spaces
- For tough-to-reach locations
- Use with Evap Foam, Blackhawk and Penetrate HD



Order #	Mfg. #	Each
R58-393	4776-0	**55.00**

Sprayer

Supco

- Spray head performs in any direction, even upside down
- Adjustable spray nozzle from mist to stream
- Durable, translucent plastic bottle
- Generous 30 oz. capacity
- Ergonomic trigger design
- Measured bottle markings



Order #	Mfg. #	Each
X83-864	USB900	**8.35**

ViroBlaster™ Portable Electrostatic Mist Sprayer

Nu-Calgon

- Quickly and easily sanitize your space with the use of sanitizers and disinfectants
- High atomization density spray and strong electrostatic capabilities for coverage
- Adjustable spray nozzle emits formula at a range from 0-150ml per minute
- Includes rechargeable lithium ion battery with 30 minutes of run time and battery charging cord
- Static coverage of over 16' with a spray distance of over 9'
- Heavy duty translucent bottle with 1/2-gallon capacity

Warning: This product contains lithium batteries and cannot be shipped by air



Order #	Mfg. #	Description	Each
X93-422	4780-0	Electrostatic Sprayer	**269.00**
H28-722	4780-1	VIROBLASTER BATTERY	**145.00**
H28-723	4780-2	VIROBLASTER CHARGER	**48.99**

Hazardous Material Shipping Alert

Half Gallon Poly Sprayer

Nu-Calgon

- Constructed of high density polyethylene
- Nozzle is adjustable and the flow rate is controlled by a thumb lever
- Three pints of working capacity
- Comes with a 7˝ poly ethylene pump
- Adjustable spray nozzle



Order #	Mfg. #	Description	Each
X82-262	4770-0	3 pints	**119.00**

Poly Chemical Sprayers

Nu-Calgon

- Translucent, high density, polyethylene tank
- Built-in 10in polypropylene air pump
- Funnel top
- Adjustable spray nozzle
- Locking trigger



Order #	Mfg. #	Description	Each
X83-907	4770-20	1-Gallon Polyethylene Sprayer	**99.00**
X83-908	4771-30	2-Gallon Polyethylene Sprayer	**135.00**

Nu-Calgon



Poly Chemical Sprayers with Brass Wand

- Durable polythylene construction
- Funnel top for easy filling
- Equipped with a 10˝ polypropylene pump, brass handle and extension tube with adjustable nozzle and five feet of wear-resistant hose

Order #	Mfg. #	Description	Each
X93-421	4771-20	2 gallons	**245.00**
X82-266	4772-0	3 gallons	**289.00**

SPEEDCLEAN



CoilShot® Condenser Cleaning Tool

- Tablet-based coil cleaning system eliminates bulky and heavy coil cleaners
- Attach to garden hose, insert tablet and dial in custom foaming level
- One pack of tablets replaces an entire case of coil cleaner
- Tablets are compact, lightweight and create a safer work environment
- Quick connect fitting for accessory attachments
- Use with the optional 3' cleaning wand for additional flexibility and better cleaning

Order #	Mfg. #	Description	Each
W69-642	SC-CS-100	CoilShot Condenser Cleaning Tool	**269.00**
W91-215	SC-CS-WAND	CoilShot 3' Cleaning Wand	**145.00**
B20-325	SC-CS-TABS	CoilShot Coil Cleaner Tablets (8-Pk.)	**99.00**

SPEEDCLEAN



Condenser Needle

- Turn any garden hose into a powerful condenser cleaning tool
- Low profile three-foot aluminum “needle” fits through the top of most condensers and allows user to clean from the inside out
- Unique 3+ gallons per minute spray nozzle will not damage delicate fins
- Adjustable chemical injection valve

Order #	Mfg. #	Each
X82-258	CN-03	**429.00**

SPEEDCLEAN



CoilJet Portable Coil Cleaning Systems

- Specifically designed for condenser and evaporator coil cleaning
- No hoses or electrical connection required for operation, excellent for rooftops and attics
- 125 PSI spray removes debris without damaging fins
- Holds 3-3/8 gallons of water and 1-3/4 quarts of coil cleaner
- Includes 10' self-coiling hose and 12V rechargeable battery
- Angled adapters and extension wands sold separately for cleaning coils from the back
- Not for use with acid-based coil cleaners

Order #	Mfg. #	Description	Each
W89-766	CJ-125	CoilJet Portable Coil Cleaning System	**1799.00**
W80-119	CJ-200E	CoilJet Electric Portable Coil Cleaning System	**2245.00**

System Selector
Free • Simple • Intuitive
Current and Accurate
AHRI certified system matches
System Specific
Critical installation supplies
Search by Features
Such as: SEER2 Ratings, Brand, and BTUH
Click Here to Try it Today



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CoilJet Replacement Parts and Accessories

Order #	Mfg. #	Description	Each
B84-490	SC-FCC-1	Expanding Foam Coil Cleaner (1 Gallon)	**69.00**
W91-183	8945-24	24" Wand w/90° Spray Head	**195.00**
W91-190	8945-FLEX-24	24" Flexible Wand w/90° Spray Head	**239.00**
W69-704	8945-0-DEG-FW12	12" Flexible Wand w/0° Spray Head	**235.00**
W89-984	8945-0-DEG-FLEX	24" Flexible Wand w/0° Spray Head	**239.00**
W91-197	CJ-MSB-ACC-KIT	Mini-Split Cleaning Accessory Kit	**279.00**
W91-174	8945	36" Wand w/90° Spray Head	**169.00**
W91-175	8945-48	48" Wand w/90° Spray Head	**239.00**
W91-184	8945-60	60" Wand w/90° Spray Head	**239.00**
W91-185	CJ-9657	36" Extension Lance Assembly	**139.00**
W91-186	CJ-9658	48" Extension Lance Assembly	**155.00**
W91-187	CJ-9659	60" Extension Lance Assembly	**169.00**
W91-188	CJ-WWSS	36" Sectional Stainless Steel Right-Angle Wand	**309.00**
W91-189	CJ-WWSS-EXT	16" Extension for CJ-WWSS	**119.00**
W69-449	CJ-QDN-0004R	Pinpoint Nozzle (Model CJ-75 and CJ-125 only)	**48.99**
W69-466	CJ-QDN-1503Y	15° Nozzle (Model CJ-95 only)	**59.00**
W69-450	CJ-QDN-1504Y	15° Nozzle (Model CJ-75 and CJ-125 only)	**43.49**
W69-437	CJ-QDN-45	45° Adapter	**115.00**
W69-438	CJ-QDN-90	90° Adapter	**115.00**
W69-439	CJ-9619	Foaming Nozzle Assembly	**139.00**

Order #	Mfg. #	Description	Each
W69-630	8943-RB	Spray Gun With Quick Disconnect	**199.00**
W69-631	CJ2-VALVE-ASSEM	Chemical Valve Assembly	**115.00**
W69-633	CJ2-07-1	Water Tank Check Valve	**69.00**
W69-635	CJ2-06-S	Pump (Model CJ-125 only)	**459.00**
W69-637	CJ2-03-S	Base Bottom Cover Plate (Model CJ-125 only)	**55.00**
W69-638	9647-1-S	Plastic Cap (Model CJ-125 only)	**55.00**
W69-639	CJ2-16	Electrical Harness (Model CJ-125 only)	**145.00**
W69-634	CJ2-22	Power Switch	**59.00**
W80-116	CJ2-02-S	Plastic Base (Model CJ-125 only)	**159.00**
W69-640	CJ2-04-S	Battery Door (Model CJ-125 only)	**43.99**
W69-441	8944	Vehicle Adapter for Charging Battery	**119.00**
W69-451	CJ-9693	Battery Charger (Model CJ-75 and CJ-95 only)	**155.00**
W69-452	8924	Battery Charger w/Lugs (CJ-75/95 only)	**169.00**
W69-548	CJ2-24	Battery Charger (Model CJ-125 only)	**239.00**
W69-549	CJ2-25	Battery Charger w/Lugs (Model CJ-125 only)	**319.00**
W69-550	CJ125-KIT-SB	Spare Battery & Charger Kit (CJ-125 only)	**459.00**
W69-467	CJ-9689	12V CoilJet Battery (Model CJ-95 only)	**195.00**
W69-551	CJ-9613	12V CoilJet Battery (Model CJ-125 only)	**239.00**
W80-261	CJ-125-SVCKIT	Service Kit	**289.00**

Mini-Split Bib Kits

- Attaches to ductless/mini-split systems and allows for cleaning with pressurized water and coil cleaner
- Funnels all water and chemicals into 5-gallon bucket for proper disposal
- Includes bib, adjustable mounting brackets, adhesive wrap and 5-gallon bucket



Order #	Mfg. #	Description	Each
W89-982	MSB-KIT	Bib Kit for Units up to 44" Wide	**259.00**
W80-277	MSB-360-KIT	Bib Kit for Units up to 44" Wide With Overhead Extension	**315.00**
W80-131	MSB-KIT-XL	Bib Kit XL for Units up to 60" Wide	**425.00**

Mini Split Bib Kit Replacement Parts and Accessories

Order #	Mfg. #	Description	Each
W89-983	MSB-01	Replacement Bag for Mini-Split Bib Kit	**109.00**
W80-278	MSB-14	Replacement Bag for Mini-Split Bib Kit 360	**165.00**
W80-132	BXL-001	Replacement Bag for Mini-Split Bib Kit XL	**229.00**
W69-558	MSB-07-1	Adhesive Wrap (2" x 200')	**32.49**

Ceiling Cassette Bib Kit

- Easy mess-free cleaning of ceiling cassette systems
- Funnels all water and chemicals into bucket for proper disposal
- Fits systems up to 48" wide
- Includes bib with 10' drain line, bungee hooks and 5-gallon bucket
- Optional 7' to 10' stand available for applications without a drop ceiling



Order #	Mfg. #	Description	Each
W80-120	SC-CB	Ceiling Cassette Bib Kit	**379.00**
W91-216	SC-CB-STAND	Ceiling Cassette Bib Stand	**955.00**

Premium Water Hose



- Heavy-duty solid brass couplings and collar
- 5/8" diameter x 50' length
- High burst pressure up to 500 PSI

Order #	Mfg. #	Each
X83-828	5-IG5850	**119.00**

Commercial Hot Water Hose



- Withstands hot water up to 160°
- Heavy-duty solid brass couplings and collar
- 5/8" diameter x 50' length
- High burst pressure up to 500 PSI

Order #	Mfg. #	Each
X83-829	5-FLXPR5850CN	**155.00**

Expanding Hose



- Compact and lightweight hose expands to 50' with water pressure
- Ball valve shutoff control
- Latex core with durable brass fittings
- 5/8" x 25' (50' expanded)

Order #	Mfg. #	Each
X82-730	BX50	**99.00**

Bulls-Eye Power Hose Nozzle



- Power maximizing design provides 50% more power than regular nozzles
- Adjusts from power mode, heavy spray, pin point precision and leak proof off
- Great for cleaning air conditioning and refrigeration coils, rinsing and general cleanup jobs
- Solid brass construction
- Lifetime warranty

Order #	Mfg. #	Each
R57-401	810-C	**32.99**

Pistol Grip Hose Nozzle



- Ideal for commercial and industrial use
- Insulated molded grip for spraying hot or cold water
- Male hose threaded front for attaching accessories
- Solid brass valve stem with permanent adjusting nut
- Rubber head guard to protect threads

Order #	Mfg. #	Each
R58-268	540-572	**49.49**

Green Stripe Hose Washer



- Universal hose washers
- Green stripe hose washer

Order #	Mfg. #	Each
R59-508	LA100	**18.99**

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Hose Coupling

- 3/4" male hose x 3/4" M.I.P.
- Tapped 1/2" F.I.P.



Order #	Mfg. #	Each	10 Lot
R54-403	303-1212	8.05	7.29

Thermal Mastic™ Heat-Conducting Compounds

- Increases heat transfer at four times the rate obtained with mechanical mounting only
- Replaces solder for heat transmission, can be used wherever rapid heat transmission is desired
- Stable at all working temperatures
- Does not harden or lose adhesion at -50°F
- Will not flow at +220°F



Order #	Mfg. #	Size	Each
R87-596	PM21	1 Gallon	395.00

Order #	Mfg. #	Size	Each
R87-597	PM25	5 Gallon	1299.00

Electronic Air Cleaner - Cell Cleaner

- Restores and maintains high operating efficiency to electronic air cleaners
- Specifically formulated to remove dust, hair, pollen, smoke, mold spores and bacteria from electronic air cleaner pre-filters and cells
- Convenient, easy to use and fast acting
- Biodegradable



Order #	Mfg. #	Size	Each
B82-496	ECC	1 Quart	75.00
B82-497	ECC-G	1 Gallon	145.00

Odor Neutralizing Liquids

- Fast-acting deodorizing system
- Biodegradable, non-toxic, non-staining
- Spray bottle for easy delivery



Order #	Mfg. #	Description	Size	Each
B85-669	1700D	ClenAir Citrus Scent Liquid	16 Oz. Spray	26.99
B85-670	1900D	CherryAir Liquid	16 Oz. Spray	26.99

Odorgon™ Spray

- Kills oil and other industrial odors
- Uses a combination of chemical neutralizers and masking agents
- Covers vertical surfaces and corners
- Spray into return air ducts to kill circulated odors
- Leaves a pleasant mild fragrance that doesn't excessively linger



Order #	Mfg. #	Size	Each	12 Lot
G89-807	68516	14 Oz.	38.49	36.49

Hazardous Material Shipping Alert

Odorgon™ Powder

- Kills oil odors
- Absorbs oil from concrete and other floors
- Handy for cleaning up after spills
- Leaves a pleasant odor
- Sifter top canister for controlled usage and clean storage



Order #	Mfg. #	Size	Each	12 Lot
G89-808	68512	1 Lb.	34.99	32.99

Parker



RTK™ Mineral Oil Test Kit

For Use When Replacing Mineral Oil with Ester Oil

- Test kit gives percentage of mineral oil left in system — allows determination that mineral oil level is low enough for safe operation (usually 5% or less)

Order #	Mfg. #
B11-957	RTK

RECTORSEAL
A CSW Industrials Company



Hazardous Material Shipping Alert

8-Way™ Boiler Water Treatment

- Complete boiler water treatment for both steam and hot water systems
- Removes sludge and rust
- Inhibits corrosion and lime scale
- Prevents pitting, surging and foaming
- Will not damage seals or gaskets

Order #	Mfg. #	Size	Each
G80-076	68712	1 Quart	**42.49**
G80-077	68714	1 Gallon	**169.00**

RECTORSEAL
A CSW Industrials Company



Surgex™ Boiler Treatment

- Economical cure for foaming surging and priming steam boilers
- Inhibits scale and corrosion
- Concentrated anti-foam formula

Order #	Mfg. #	Size	Each
G34-888	68752	1-1/2 Oz.	**46.49**

Nu-Calgon



Evap-Treat™ Evaporative Condenser Treatment

- Prevents scale and corrosion
- Cost-effective, lasts all season, easy to install
- Increases pad life
- Maintains cooler performance
- Utilizes 6R micromet food-grade NSF-certified polyphosphate

Order #	Mfg. #	Application	Each
B15-342	4173-04	Up to 6,500 CFM	**69.00**
B15-343	4173-06	Up to 10,000 CFM	**85.00**

Nu-Calgon



Tower Clean-up and Treatment

- Small Cooling Towers & Evaporative Condenser Treatment
- Season Treat flow-through package makes it simple to treat water; prevents scale and corrosion; one charge lasts six months; double the dosage for corrosion protection; biodegradable, safe for contact and potable water; use one container per 10 tons cooling capacity

Order #	Mfg. #	Description	Each
B81-524	4364-88	Season Treat	**475.00**

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For all of your AC needs *supporting you from installation and beyond*

YORK INSTALL CONFIDENCE · PARTNERS choice · ARMSTRONG AIR The Professional's Choice · Coleman HEATING AND AIR CONDITIONING · A.O. Smith · Goodman Air Conditioning & Heating · SOURCE1 HVAC Service Parts · FRIEDRICH · Amana · FUJITSU · ALLIED Air Enterprises · DAIKIN



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Water Treatment Products

Nu-Calgon

- No. 233 Cal-Treat controls severe corrosion in evaporative condensers and cooling towers and inhibits scale deposits
- Liquid Scale Dissolver contains low-foaming corrosion inhibitors and a built-in pH color indicator to remove calcium scales from cooling towers and other water-cooled equipment
- No. 340 Liquid Scale Inhibitor is effective in preventing the formation of scale in hard or highly alkaline water
- Ty-Ion® B14A Steam Boiler Treatment is an all-in-one boiler treatment controlling boiler scale, corrosion, and condensate line corrosion in low pressure, low make-up steam heating boilers
- Ty-Ion® B20 Boiler/Closed System Treatment is for use in boiler/closed recirculating systems which combines corrosion inhibitors, dispersant, and color indicator into a complete treatment for both hot and chilled water closed systems containing ferrous and non-ferrous metal components; color indicator facilitates leak detection and proper treatment residuals
- Ty-Ion® C70 Open Cooling System Treatment is an all-organic liquid scale, deposit and corrosion inhibitor for use in open recirculating cooling water systems, evaporative condensers; effective in preventing scale deposits in systems utilizing make-up water with high scaling potential



A



B



C



D



E



F

Hazardous Material Shipping Alert

Fig.	Order #	Mfg. #	Description	Size
A	**B82-043**	4149-05	#233 Cal-Treat	5 Gallon
B	**B82-044**	4330-08	Liquid Scale Dissolver	1 Gallon
—	**B82-045**	4330-05	Liquid Scale Dissolver	5 Gallon
C	**B82-046**	4340-08	#340 Scale Inhibitor	1 Gallon
—	**B82-047**	4340-05	#340 Scale Inhibitor	5 Gallon

Fig.	Order #	Mfg. #	Description	Size
D	**B82-048**	7519-05	Ty-Ion B14A	5 Gallon
E	**B82-049**	7537-05	Ty-Ion B20	5 Gallon
F	**B82-050**	7597-05	Ty-Ion C70	5 Gallon
—	**B13-562**	4606-0	1 Gallon Bracket Support	—

PurCool Green Condensate Drain Pan Treatment

ClenAir by Nu-Calgon

- Prevents slime and sludge build-up in air conditioning and refrigeration condensate drain pans
- Environmentally friendly suspending and dispersing action to prevent build-ups, overflows, and odors
- Slowly dissolves in the condensate water providing preventative treatment for 4-6 months
- Does not contain any harsh chemicals or biocides
- **B85-889** PurCool Green Mini Strips are designed to fit in tight fit mini split drain pans; Treats up to 5 tons and can be cut in half to treat multiple smaller evaporators



A



B

Fig.	Order #	Mfg. #	Description	Application	Each
A	**B85-888**	61051	Green Tablet	Up to 5 Tons	**23.49**
B	**B85-889**	61044	Mini Split Strip	Up to 5 Tons	**22.99**

Panpads®

Nu-Calgon

- Formulated to eliminate build-up of bacteria and slime growth in air conditioning and refrigeration condensate drain pans
- Combats a broad spectrum of harmful bacteria, including Legionella
- Lasts for up to 6 months
- **B15-340** specifically designed to fit into narrow spaces between the coil and condensate pan



A


B

Fig.	Order #	Mfg. #	Size	Application	Length	Each
A	**B14-297**	4295-34	1" x 2.5"	Up to 5 Tons	3.5"	**20.99**
B	**B15-340**	4295-36	.25" x .75"	Up to 5 Tons	6.5"	**20.99**
A	**B14-298**	4296-24	1" x 2.5"	Up to 15 Tons	6.0"	**55.00**
A	**B14-299**	4296-45	1" x 2.5"	Up to 45 Tons	8.0"	**115.00**

Asurity

Pro-Treat® Condensate Pan Treatment



- Kills odor-causing bacteria
- Controls odor and pan overflows
- Combats sludge, slime, fouling, and algae growth
- EPA registered
- Each pan strip is a 6-month treatment

Order #	Mfg. #	Description	Application	Each
B22-271	PS-01	For 1 To 2 Ton Units	10	**355.00**
B22-272	PS-03	For 3 To 5 Ton Units	6	**275.00**
B22-274	PS-20	For 10 To 25 Ton Units	1	**155.00**
B22-275	PS-40	For 40 To 50 Ton Units	1	**319.00**

Asurity

Pro-Treat Condensate Drain Pan Cleaners



A



B



C

- Helps remove sludge that can plug drain pans and drain lines and fouls humidifier pans
- Kills odors associated with slime and sludge
- Tablets are 100% soluble
- Does not form deposits in pan or drain line

Fig.	Order #	Mfg. #	Description	Each
A	**B11-945**	PROTREAT-151	100 Tablets - 1 Tablet - 30 Days	**89.00**
B	**B11-767**	PROTREAT-152	12 King Size Tablets - 1 Tablet - 90 Days	**199.00**
C	**B17-667**	PROTREAT-200	200 Tablets - 2 Tablets - 30 Days	**69.00**

Asurity

Pro-Treat 200 Economy Drain Pan Cleaner



- Non-corrosive, odor free and 100% soluble
- Dosage: 3 tablets per 3 tons per month

Order #	Mfg. #	Description	Each
B16-840	PROTREAT-217	200 Tablets Per Jar — 30 Day	**69.00**

MOTOR FINDER

Find the Right Commercial IHP Motor and Save Time

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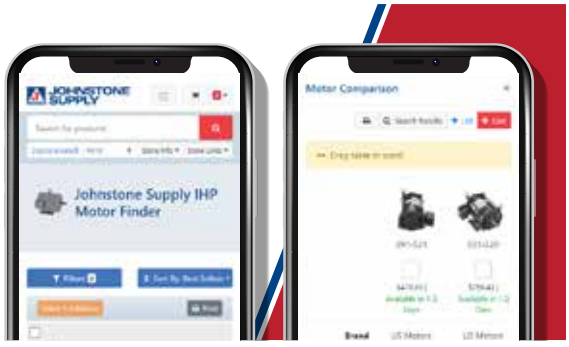
Must be logged into JohnstoneSupply.com to access



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Flow-Plus™ Condensate Pan Treatments

Asurity

- A true water activated, time release treatment
- 100% water soluble polymer leaves no residue or carrier to be removed
- Adheres to drain pans — eliminates product floating and blocking the drain line
- No corrosive vapors — safe for computer rooms
- Recommended dosage — choose size according to equipment tonnage
- Each tab is designed to last a minimum of three months
- Can be stacked for use throughout a season
- NSF registered



A



B



C



D

Fig.	Order #	Mfg. #	Description	Size	Each
A	**B14-862**	FLOW-PLUS-25	Mini-Tabs — 1/2–3 Ton Units	25 Tabs/Jar	**135.00**
A	**B85-652**	FLOW-PLUS-200	Mini-Tabs — 1/2-3 Ton Units	200 Tabs/Jar	**755.00**
B	**B15-131**	FLOW-PLUS-6	Medium Tonnage — 3–5 Tons	6 Oz. Clamshell	**99.00**
C	**B14-863**	FLOW-PLUS-10	Medium Tonnage — 5–20 Ton Units	10 Oz. Tub	**95.00**
D	**B14-864**	FLOW-PLUS-125	High Tonnage — 20–50 Ton Units	1.25 Lb. Tub	**215.00**

Gel Tabs Condensate Pan Treatment

Nu-Calgon

- Locks into place
- Completely dissolves
- Prolonged cleaning action
- Eliminates foul or musty odors



Order #	Mfg. #	Description	Each
B17-001	4185-03	Condensate Pan Treatment For Up To 3 Tons	**59.00**
B86-185	4185-04	Condensate Pan Treatment For Up To 3 Tons (200 Tabs/Jar)	**559.00**
B17-002	4185-05	Condensate Pan Treatment For Up To 5 tons	**69.00**
B20-483	4185-06	Condensate Pan Treatment For Up to 5 Tons (100 Tabs/Jar)	**699.00**
B17-003	4185-15	Condensate Pan Treatment For Up To 15 tons	**46.49**
B17-004	4185-20	Condensate Pan Treatment For Up To 20 tons	**59.00**
B87-416	4185-80	Gel Tabs Contractor Pack - 3 Ton Tabs 80 Pk.	**295.00**
B87-417	4185-40	Gel Tabs Contractor Pack - 5 Ton Tabs 40 Pk.	**335.00**
B87-347	4185-95	(2) Gel Tabs Mini	**16.49**

Condensate Pan-Spray

Nu-Calgon

- Waterproof and rubberized spray-on coating, can be applied in moist conditions
- For quick leak repairs of condensate pans, cooling tower, swamp cooler, pipe fixtures, flashing, roofing, downspout, gutter and many other applications
- Does not chip, crack, flake, or peel
- Seals out rust and corrosion
- One can covers up to 20 square feet
- 16 oz. can, available in two colors



Order #	Mfg. #	Description	Each
B82-557	4296-50	White Pan Spray	**59.00**
B82-558	4296-51	Black Pan Spray	**59.00**

MODEL to PART

Critical Parts When You Need Them

Try it Today

Note: Must have a Johnstone Supply account

+ Featuring Mini-Splits, Residential & Commercial HVAC Equipment
+ Thousands of new products added including Trane and Carrier
+ Original, Aftermarket & Universal Part Options
+ Real-Time Pricing & Availability



Panseal™ and Durapatch™ Epoxy Pan Sealants



A



B



C



D

- Multi-component two-part epoxy quickly and permanently seals, repairs, and restores leaking and corroded drain pans
- Available in cartridge and burst bags for smaller repairs, 1-gallon for larger surfaces, such as cooling towers, and patch kits for vertical surfaces
- **G33-151** cartridge can be used with any standard caulk gun
- **G33-152** resin and hardener burst bags can be mixed directly into the drain pan; **G80-338** 1-gallon size includes containers for mixing
- Resin and hardener are premeasured
- Works even in standing water — eliminates surface prep time and down time
- Suitable for both metal and plastic pans
- Free of solvents and VOC's

Fig.	Order #	Mfg. #	Description	Size	Application	Color	Approval/ Listed	Case Qty.	Each
A	**G33-151**	93526	Panseal (Cartridge)	8 Oz.	Permanently Seal, Repair and restore leaking and corroded drain pans	Grey	None	1	**259.00**
B	**G33-152**	93579	Panseal (Burst Bag)	8 Oz.	Permanently Seal, Repair and restore leaking and corroded drain pans	Grey	None	1	**209.00**
C	**G80-338**	93527	Panseal	1 Gallon	Permanently Seal, Repair and restore leaking and corroded drain pans	Grey	None	1	**1099.00**
D	**G33-153**	93528	Durapatch Kit for Vertical Surfaces	8 Oz.	Permanently Seal, Repair and restore leaking and corroded drain pans	Grey	None	1	**299.00**

HVAC/R Instant Patch Jar



- Combination of high strength bonding fluid and specialized bonding cells
- High strength bond permanently seals holes and cracks in pipe and materials used in the HVAC/R
- Compatible with all refrigerants and oils
- Temperature range: -60°F to +200°F
- Pressure range: Up to 1800 PSI
- Non-toxic and safe to use on all potable water systems

Order #	Mfg. #	Each
R59-530	HS32050	**59.00**

Coil Cleaners



- Improve system efficiency
- Excellent for preventive maintenance
- Increase BtuH output
- Concentrated — dilute with water

Order #	Description	Size	Application	Each
B81-133	Acti-Klean — Green	1 Gallon	Non-Foaming / Non-Acid Evap. Coil & Drain Pan Cleaner	**85.00**
B92-141	Acti-Klean — Green	5 Gallon	Non-Foaming / Non-Acid Evap. Coil & Drain Pan Cleaner	**375.00**
B81-149	Alki-Foam — Purple	1 Gallon	Foaming / Non-Acid Condensate Coil Cleaner	**69.00**
B92-142	Alki-Foam — Purple	5 Gallon	Foaming / Non-Acid Condensate Coil Cleaner	**355.00**

Hazardous Material Shipping Alert

Virginia Coil Cleaner Selection Guide

	Foam Max FM1 (**B82-452**)	**Alki-Foam** AKF1 (**B81-149**) AKF5 (**B92-142**)	**Pro-Klean** MPC1 (**B82-237**)	**Acti-Klean** AK1 (**B81-133**) AK5 (**B92-141**)
Specification:				
Formulation	Alkaline	Alkaline	Alkaline	Alkaline
Usage	Outdoor	Outdoor	Outdoor	Indoor
Color	Brown	Purple	Yellow	Green
Application:				
Condenser Coils	X	X	X	
Evaporator Coils				X
Fan Blades			X	
Electronic Air Filters			X	
Cleaning Power:				
Oil & Grease	X	X	X	
Cooking Greases	X	X	X	
Corrosion & Oxides	X	X		

	Foam Max FM1 (**B82-452**)	**Alki-Foam** AKF1 (**B81-149**) AKF5 (**B92-142**)	**Pro-Klean** MPC1 (**B82-237**)	**Acti-Klean** AK1 (**B81-133**) AK5 (**B92-141**)
Cleaning Power Cont.				
Dirt & Grime	X	X	X	X
Dust & Lint	X	X	X	X
Bugs	X	X		
Grass & Cottonwood	X	X	X	
Tobacco Stains			X	
Major Benefits:				
Foaming	High	Medium		X
Brightening	X	X		
Non-Rinsing				X
Degreasing	Medium	Medium	X	X
Bio-Degradable	X	X	X	X

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Foam-Max Coil Cleaner

- Super high-foaming, alkaline-based outdoor condenser coil cleaner
- Thick foaming action cuts through grease, grime, and debris to brighten aluminum condenser coils
- Highly concentrated formula can be diluted for use in lighter-duty jobs
- Brown liquid, non-flammable
- Biodegradable



Order #	Mfg. #	Description	Size	Each
B82-452	FM1	Foam-Max	1 Gallon	**99.00**

Hazardous Material Shipping Alert

Liquid Scale Remover

- Fast penetration of hard-to-remove scales
- Descales cooling systems without down time
- Cleans heavily scaled condenser tubes and cooling towers
- Also works in closed looped system
- Use one gallon per 15 gallons of water in the system



Order #	Mfg. #	Size	Each
B81-136	WL1	1 Gallon	**99.00**

Hazardous Material Shipping Alert

Triple "D" Universal Coil Cleaners

- Degreaser, detergent and deodorizer
- For use on condenser and evaporator coils
- Metal safe and does not attack aluminum or copper components
- Available in super-concentrated liquid or easy-to-transport granular concentrate form
- Liquid form has a 6:1 dilution ratio, 1 lb. granular makes 2 gallons



A



B

Fig.	Order #	Mfg. #	Description	Each
A	**B85-647**	TRIPLE-D	1 Gallon	**75.00**
B	**B86-215**	TRIPLE-D-AER	19 Oz. Aerosol	**41.99**

Hazardous Material Shipping Alert

Mini-Split First Aid Kit

- Cleans coils and eliminates odor by managing the growth of mold, mildew, fungi and bacteria
- Will not bleach or discolor materials or fabrics
- Non-toxic, no need to evacuate premises during application
- Includes Micro Coil Cleaner and EPA registered Mold Control for HVAC Systems and Air Ducts



Order #	Mfg. #	Each
B87-847	700-01	**75.00**

pH-Treat Water Neutralizer

- Neutralizer addresses acidic condensate produced by high efficiency furnaces, boilers and water heaters before it goes to drain
- Refillable condensate neutralization tank with pump for applications that require neutralized condensate to be removed
- Low-profile commercial neutralization tank with several piping options for fast and versatile installation
- Translucent cartridge design with offset fittings for horizontal or vertical positions



Order #	Mfg. #	Description	Each
R58-871	4720-10	pH-Treat Neutralizer Kit	**225.00**
R58-872	4720-11	pH-Treat Media Refill for 4720-10	**115.00**
R58-873	4720-12	pH-Treat Neutralizer with Pump	**675.00**
R58-874	4720-13	pH-Treat Media Refill for 4720-12	**169.00**
R58-875	4720-14	pH-Treat Neutralizer Tank	**945.00**
R58-876	4720-15	pH-Treat Media Refill for 4720-14	**355.00**

Nu-Calgon



Clean Connect™

- Sprayer for Nu-Brite, Alka-Brite Plus 4X and Tri-Pow'R HD 4X concentrate cleaners
- Cleaner connecting; No more pouring or spilling
- Sprayer comes with attachment for Nu-Calgon Probe (4774-1)
- Sprayer comes with nylon mesh carrying bag
- Connects to garden style hose

Order #	Mfg. #	Each
X83-495	4773-0	**149.00**

Nu-Calgon



Nu-Solve Coil Cleaner

- Ready-to-use, detergent based condenser coil cleaner
- Safe on plastic, metal, and rubber materials
- VOC and CARB compliant
- No rinse needed

Order #	Mfg. #	Size	Each
B86-442	4295-08	1 Gallon	**79.00**

Nu-Calgon



Concentrate Coil Cleaners

- One concentrate quart equals one gallon traditional coil cleaner
- Includes dilution insert assembly
- Just use what is needed, cap bottle and use for another job
- Requires the Clean Connect Sprayer (4773-0)

Order #	Mfg. #	Description	Each
B87-413	4291-90	Nu-Brite 4X Concentrate Coil Cleaner	**65.00**
B87-414	4120-90	Alka-Brite Plus 4X Concentrate Coil Cleaner	**65.00**
B87-415	4371-90	Tri-Pow'R HD 4X Concentrate Coil Cleaner	**47.49**

Nu-Calgon



TriClean 2x Coil Cleaner

- Restores system efficiency by rapidly emulsifying insulating soils from outdoor coil
- Formulated with metal safe, biodegradable chemistry
- Cleans up to three 5-Ton coils
- Easy to use; Simply connect to hose, clean, and rinse

Order #	Mfg. #	Each
B86-080	4372-24	**59.00**

Nu-Calgon



A B C

Ultra Concentrate Coil Cleaners

- Super concentrate of classic formula
- 1 quart makes 8-9 gallons
- Takes up less space on truck
- Easy to carry on rooftops
- Easy to ship to jobsites

Fig.	Order #	Mfg. #	Description	Each
A	**B87-801**	4291-92	Nu-Brite Non-Acid, Alkaline-Based Coil Cleaner, Cleans and Brightens Air Cooled Condensers	**59.00**
B	**B87-802**	4371-92	Tri-Pow'r Environmentally Friendly and Biodegradable Coil Cleaner for General Cleaning Needs	**43.99**
C	**B87-803**	4168-92	Evap Pow'r No-Rinse Formulated Coil Cleaner, Cleans Indoor Evaporator Coils	**55.00**

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Green Select® Coil Cleaners

Nu-Calgon

- Biodegradeable; will not harm plants, animals or aquatic life
- EPA designed for the environment list of acceptable "green" ingredients
- Non-toxic, non-foaming
- Evap-Green no rinse required
- Evap-Green quickly removes dust, dirt and debris that is typically found on evaporators
- Cal-Green is outstanding for removing dirt and grime which inhibits heat transfer on condensers
- Ideal for use on micro-channel coils



A



B

Fig.	Order #	Mfg. #	Description	Size	Each
A	**B84-451**	4190-08	Cal-Green Condensor Coil Cleaner	1 Gallon	**75.00**
B	**B84-452**	4191-08	Evap-Green Evaporator Coil Cleaner	1 Gallon	**69.00**

Nu-Brite® Coil Cleaners

Nu-Calgon

- Non-acid, alkaline-based for cleaning and brightening coils
- Cuts through grease, dirt and grime
- Foaming action gets to hard to reach places
- Biodegradable
- Authorized by the USDA for use at federally inspected meat and poultry establishments
- **B82-559** is an aerosol spray canister

Warning: Not recommended for indoor use.



Hazardous Material Shipping Alert

Order #	Mfg. #	Size	Each
B81-558	4291-08	1 Gallon	**65.00**
B81-851	4291-05	2-1/2 Gallon	**175.00**
B82-559	4291-18	18 Oz. Aerosol	**26.49**

Nu-Calgon Coil Cleaner Selection Guide

	Evap Pow'r® 4168-08 (**B82-239**) 4168-05 (**B82-240**)	Alka-Brite® 4120-08 (**B82-552**)	Nu-Brite® 4291-08 (**B81-558**) 4291-05 (**B81-851**) 4291-18 (**B82-559**)	Foam-Brite® 4178-08 (**B82-243**) 4178-05 (B82-244)	Cal-Brite® 4133-08 (**B81-871**)
Specification:					
Formulation	Alkaline	Alkaline	Alkaline	Alkaline	Acidic
Usage	Indoor	Outdoor	Outdoor	Outdoor	Indoor/Outdoor
Color	Green	Brown	Blue	Yellow	Pink
Application:					
Condenser Coils		X	X	X	X
Evaporator Coils	X				X
Cleaning Power:					
Dirt & Grime	X	X	X	X	X

	Evap Pow'r® 4168-08 (**B82-239**) 4168-05 (**B82-240**)	Alka-Brite® 4120-08 (**B82-552**)	Nu-Brite® 4291-08 (**B81-558**) 4291-05 (**B81-851**) 4291-18 (**B82-559**)	Foam-Brite® 4178-08 (**B82-243**) 4178-05 (B82-244)	Cal-Brite® 4133-08 (**B81-871**)
Major Benefits:					
Foaming	Low	High	Very High	Extremely High	Medium
Brightening		X	X	X	X
Non-Rinsing	X				
Easy Rinsing				X	
Degreasing	X	X	X	X	X
Bio-Degradable	X	X	X	X	X

Alka-Brite® Plus Coil Cleaner

Nu-Calgon

- Maximum foaming coil cleaner and brightener
- Non-acid, alkaline based new generation "Brown" coil cleaner
- Contains highest quality detergents and surfactants to maximize cleaning ability
- USDA authorized for use in federally inspected meat and poultry establishments



Hazardous Material Shipping Alert

Order #	Mfg. #	Size	Each
B82-552	4120-08	1 Gallon	**69.00**
B75-421	4120-05	2.5 Gallon	**179.00**

Tri-Pow'r™ HD

Nu-Calgon

- Alkaline-based detergent cleaner, degreaser, and deodorizer
- For use on air-cooled condensers, evaporators coils, permanent filters, fan blades, motors and other general cleaning
- Uses highest quality surfactants and corrosion inhibitors
- Unique emulsifying system for optimum degreasing
- Non-toxic, non-acid and fully biodegradable



Hazardous Material Shipping Alert

Order #	Mfg. #	Size	Each
B82-551	4371-88	1 Gallon	**48.49**

Foam-Brite™ Coil Cleaners

Nu-Calgon



Hazardous Material Shipping Alert

- Foaming, alkaline cleaner for use on condenser coils
- Cleans and brightens while foaming action removes dirt and grime from coil
- Can be used in place of acid-based products
- Biodegradable

Order #	Mfg. #	Size	Each
B82-243	4178-08	1 Gallon	**65.00**
B82-244	4178-05	2-1/2 Gallon	**179.00**

Evap-Fresh™ Evaporator Coil Cleaners and Disinfectants

Nu-Calgon



A



B

- EPA registered for HVAC equipment
- Cleans, deodorizes and disinfects
- Cuts tough grease and grime without scrubbing, no rinse required
- Ready-to-use formula

Fig.	Order #	Mfg. #	Description	Each
A	**B82-735**	4166-75	18 Oz. Aerosol	**34.49**
B	**B82-736**	4166-08	1 Gallon	**85.00**

PurTabs™ Sanitizing and Disinfection Tablets

Nu-Calgon



- Powerful disinfection and sanitizing in a sustainable, drop-and-go tablets
- EvaClean's powerful and versatile disinfecting and sanitizing solution
- Multi-purpose, effervescent tablets that easily dilute in 64 ounces
- OSHA / NIOSH compliant for exposure and air quality standards
- EPA list N product effective against Covid-19
- NSF D2 certified food contact surface safe sanitizer (100ppm)
- 200 PK.

Order #	Mfg. #	Each
B22-353	4299-05	**145.00**

GulfCoat™ Circuit Shield

RECTORSEAL
A CSW Industrials Company



- Acrylic coating to reduce corrosion and mitigate problems caused by pests
- Optimized for HVAC printed circuit boards
- Adhesive and moisture resistance
- Supports dielectric properties
- UV resistant qualities
- 12 oz. can covers approximately 20 (4” x 6”) circuit boards

Order #	Mfg. #	Each
B88-078	72000	**125.00**

Complete Care Mini-Split Kit

Nu-Calgon



Hazardous Material Shipping Alert

- Easy-to-use kit that contains service and maintenance products
- Everything required to clean and service up to 4 mini splits
- Ensures mini splits are clear and free of dirt and debris
- Kit includes (2) Tri-Pow'r® HD Aerosol cans, (2) sets of Gel Tabs™ Mini, (1) Clean Guard™ Maintenance Bag and (1) Nu-Calgon service bucket

Order #	Mfg. #	Description	Each
B87-346	4151-18	Complete Care Mini-Split Kit	**215.00**

PowerZyme™ Liquid Drain Line Treatment

Nu-Calgon



- Powerful enzymatic formula
- Keeps drains flowing freely
- Eliminates foul and musty odors
- Ideal for A/C condensate pans and drains
- Perfect for food service and kitchen drains
- Easy pour top for any application
- Breaks down fats, oils, and greases
- Safe for systems and non-corrosive

Order #	Mfg. #	Description	Each
B87-752	4298-21	PowerZyme Liquid Enzyme-Based Drain Line Treatment, 8 Oz.	**20.99**
B87-753	4298-22	PowerZyme Liquid Enzyme-Based Drain Line Treatment, 32 Oz.	**32.49**

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Evap Pow'r® Coil Cleaners

Nu-Calgon

- "No rinse" product for cleaning indoor evaporator coils
- Cleans and emulsifies stubborn soils and deposits
- Concentrate; use ratio is 3:1
- Metal-safe, biodegradable



Order #	Mfg. #	Size	Each
B82-239	4168-08	1 Gallon	**65.00**
B82-240	4168-05	2-1/2 Gallon	**155.00**

PowerZyme™ Gel Drain Line Treatment

Nu-Calgon

- Powerful enzymatic formula
- Clears slow moving drain lines
- Prevents clogs and costly overflows
- Ideal for A/C drains and evaporator coils
- Perfect for food service and kitchen drains
- Great for ice machine drains
- Break down fats, oils, and grease
- Non-corrosive and non-fuming
- No acids or harsh chemicals



Order #	Mfg. #	Description	Each
B87-754	4298-24	PowerZyme Gel Enzyme-Based Drain Line Treatment, 32 Oz. Spray	**33.99**

Blackhawk Coil Cleaner

◀ NEW

Nu-Calgon

- Blackhawk's heavy-duty formulation is powerful, yet safe and problem-free for cleaning evaporator or condenser coils in food processing areas
- Does not produce objectionable fumes
- Non-rinse for evaporators
- Biodegradable
- NSF registered



Hazardous Material Shipping Alert

Order #	Mfg. #	Size	Each
B86-383	4127-75	18 Oz	**25.49**
B88-120 ◀	4127-08	1 Gallon	**59.00**

ViroGuard No Rinse Evaporator Coil Cleaner

Nu-Calgon

- Cleaner, disinfectant, and deodorizer
- No rinsing required
- Sprays right side up or upside down
- Ready-to-use disinfectant formula
- Kills Pandemic 2009 H1N1 Influenza A Virus
- Disinfects against Legionella Pneumophila
- Listed on EPA's List N for use against SARS-CoV-2 (COVID-19)
- EPA registered for the HVAC application



Order #	Mfg. #	Description	Each
B87-755	4376-75	ViroGuard No Rinse Evaporator Coil Cleaner and Disinfectant, Aerosol	**31.99**

Evap Foam® Coil Cleaner

Nu-Calgon

- Foaming, no-rinse cleaner designed for evaporator coils
- Cleans and deodorizes
- Easily sprayed from any angle — right side up or upside down
- Self-rinsing, fast-breaking foam
- Safe for indoor use
- Size: 18 oz.



Hazardous Material Shipping Alert

Order #	Mfg. #	Each
B82-003	4171-75	**30.49**

HD CalClean® All Purpose Cleaner

Nu-Calgon

- Extra-strong liquid detergent, containing surface active agents, grease solvents, alkaline cleaners, inhibitors and water conditioners
- Effective against all soils and build-up, especially nicotine and tar on electronic air cleaners
- Biodegradable and authorized by the U.S.D.A. for use at federally inspected meat and poultry establishments



Hazardous Material Shipping Alert

Order #	Mfg. #	Size	Each
B81-559	4143-08	1 Gallon	**95.00**

Nu-Calgon

Bio-Fresh® CD



A



B

- Ready-to-use bacteriostat, fungistat, and deodorizer
- Recommended for control of bacteria, mold, mildew, fungi, and yeast in IAQ applications
- Can be applied via spraying, brushing, wiping or fogging
- Safe for use in coils, condensate pans, filters and ductwork, in occupied spaces
- Tested and found effective against legionella bacteria

Warning: Must wear protective eyewear, gloves, and clothing, and use in a well-ventilated area.

Fig.	Order #	Mfg. #	Size	Each
A	**B82-242**	4126-34	1 Quart	**38.49**
B	**B82-241**	4126-38	1 Gallon	**69.00**

Nu-Calgon

Bio-Fresh Fogger



- Adjustable from 0 to 18 oz. per minute
- Made of a one-piece, seamless heavy-duty copolymer

Order #	Mfg. #	Description	Each
B85-586	4693-0	Bio-Fresh Fogger	**1699.00**

Ace

Acebrite



- Ultra high foaming non-acid coil cleaner
- Ideal for cleaning and brightening exterior aluminum-finned condenser coils
- Extra heavy-duty foam pushes grease, dirt, grime, etc. to coil surface

Hazardous Material Shipping Alert

Order #	Mfg. #	Size	Each
B85-612	ABP1	1 Gallon	**46.99**

Ace

Alkaline/Foaming Coil Cleaners



A



B



C

- Foam N' Clean is a high foaming, deodorized, biodegradable coil cleaner for cleaning and brightening aluminum finned cooling and heating coils; the strong foaming action penetrates beneath contamination and pushes dirt and grease from the coil to the outer surface
- Masterclean is formulated with additional surfactants and penetrants to ensure maximum cleaning and brightening of heavily-soiled aluminum finned heating/cooling coils, condensers and evaporators; also contains a deodorant for enhanced use on residential evaporators; USDA authorized for use in federally-inspected plants
- Alkaline Coil Cleaner economy-grade product recommended for cleaning aluminum finned cooling and heating coils; penetrates contamination and pushes dirt and grease from the coil to the outer surface

Hazardous Material Shipping Alert

Fig.	Order #	Mfg. #	Description	Size	Each
A	**B84-174**	FNC1	Foam n' Clean	1 Gallon	**46.99**
A	**B84-175**	FNC25	Foam n' Clean	2-1/2 Gallons	**125.00**
B	**B84-176**	MCC1	Master Clean	1 Gallon	**49.99**
C	**B84-177**	ACC1	Alkaline	1 Gallon	**41.99**

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Detergent Based Coil Cleaners

- Super D triple action low foam, no rinse cleaner for evaporator condenser coils cleans, degreases and deodorizes with a pleasant citrus scent contains inhibitor to prevent attack on aluminum
- Evap-Klean original non-acid formula for cleaning of multi-row evaporator coils in heating and air conditioning units; rinse/no rinse depending on strength; also suitable for cleaning electronic and permanent air filters
- Heavy-Duty coil rinseable cleaner for cleaning heavy concentrations of grease and dirt from fans, evaporators, condensers, and permanent and electronic air filters



A



B

Hazardous Material Shipping Alert

Fig.	Order #	Mfg. #	Description	Size	Each
A	**B84-179**	ASD1	Super D	1 Gallon	**46.99**
—	**B84-180**	CCL1	Evap-Klean	1 Gallon	**39.99**
B	**B84-181**	HDC1	Heavy-Duty Cleaner	1 Gallon	**75.00**

Venom Pack Coil Brightener

REFRIGERATION TECHNOLOGIES

- Restores neglected and extremely dirty coils to original performance
- Pure concentrate, non-acid, high foaming coil brightener
- Alkaline nature strips coils of heavily embedded grease and grime
- Maximum strength brightens
- Make up to 8 gallons of cleaner
- NSF registered for use around food, Kosher certified, and Biodegradable



Order #	Mfg. #	Each
B87-359	RT310V	**75.00**

Venom Pack Evaporator Cleaner

REFRIGERATION TECHNOLOGIES

- Non-rinsing pure concentrate liquid
- 2 in 1 product eliminates the need for a separate cleaner and treatment
- Blend of enzymes digest odor causing bacteria
- Specialty detergents attack embedded grease and grime
- Restore heat transfer and increase the efficiency of the coil
- Aluminum and micro channel safe
- Lightweight pure concentrate
- NSF registered for use around food, Kosher certified, and Biodegradable



Order #	Mfg. #	Each
B87-360	RT320V	**85.00**

Venom Pack Condenser

REFRIGERATION TECHNOLOGIES

- Non-Toxic, No Odor and High Foaming
- Designed to tackle tough soils
- Specialty detergents attack embedded grease and grime
- Restore heat transfer and increase the efficiency of the coil
- Makes up to 9 gallons of cleaner
- Aluminum and micro channel safe
- Lightweight pure concentrate
- NSF registered for use around food, Kosher certified and biodegradable



Order #	Mfg. #	Each
B87-361	RT330V	**85.00**

Venom Pack All-Purpose

REFRIGERATION TECHNOLOGIES

- Washes away bacteria, stubborn soils, heavily imbedded cooking greases
- Extremely effective on everyday dirty surfaces
- Use it in the shop, in the field, or at home
- Non- toxic and eco-friendly
- Makes up to 6 gallons of cleaner
- Safe for all metals including aluminum
- Lightweight pure concentrate
- NSF registered for use around food, Kosher certified and biodegradable



Order #	Mfg. #	Each
B87-362	RT340V	**69.00**

Coil Cleaner Aerosols



- Foaming Coil Cleaner, non-acid, thick foaming, non-flammable aerosol; ideal for condenser and evaporator coils, walk-in coolers, ventilators, refrigerators, etc.; no-rinse formula for evaporators
- Foam Blast aerosol spray with additional grease dissolving agents works on air conditioning coils, oily machines, exhaust fans; fresh citrus aroma, no-rinse formula for evaporators
- Bio-Kleen non-toxic, biodegradable, bio-enzymatic foaming coil cleaner for removing mold, fungus, stains and oders from drain pans and evaporator coils; no-rinse formula for evaporators
- Power Blast is a solvent-based aerosol removes build-up of dirt and grease from all types of extended heating or cooling fins; completely evaporates, leaves no residue; no-rinse formula for condensers and evaporators

Order #	Mfg. #	Description	Size	Each
B84-183	FCA	Foaming Coil Cleaner	19 Oz.	**25.49**
B84-184	FBA	Foam Blast	16 Oz.	**34.49**

Strike Bac® Disinfectant Cleaners



- EPA Registered products used to disinfect and clean all surfaces and rooms that may contain harmful viruses, bacteria and other health hazards
- Included on the new EPA list of disinfectants for use against SARS-COV-2, the novel coronavirus that causes the disease COVID-19

Order #	Mfg. #	Description	Each
B87-363	RT01131	Disinfectant Cleaner with Lemon Scent 1 Gallon	**105.00**
B87-364	RT01110	Disinfectant Cleaner with Spearmint Scent 1 Gallon	**105.00**

Condenserkote



- Polyelastomer coating protects aluminum finned tube coils, cabinets, compressors and all non-electric components in air conditioning systems
- Protects systems from corrosion, salt air spray, acid rain, etc., with durable film that will not crack or peel
- Less than 0.1% effect on heat transfer

Order #	Mfg. #	Description	Size	Each
B84-193	CKA-C	Clear — 19 Sq. Ft. Coverage	14.5 Oz.	**79.00**
B84-194	CKA-B	Blue — 24 Sq. Ft. Coverage	18 Oz.	**79.00**

DuraCoil Gray Protectant Coating



- Durable, OEM-approved Heresite® coating
- Protects coils from corrosion
- For coils in coastal regions, or in industrial or agricultural settings; Protects refrigeration coils against food acids
- Causes negligible transfer loss
- Great to repair an OEM coil coating
- Fast, air-dry formula bonds to all metals
- 11 oz. can

Order #	Mfg. #	Each
W80-273	4083-91	**46.99**

GulfCoat™ Corrosion Protection



- Designed for the protection of HVAC coils and components against salty sea air, UV rays and acid rain
- Applications include mini-splits, packaged rooftops, condensing units, modular air-handlers, air-cooled, chillers and evaporator coils
- 12 ounce can covers up to 2.5 ton unit evaporator coil

Order #	Mfg. #	Description	Each
B87-314	80400	Clear Corrosion Protection	**79.00**
B87-315	80401	Blue Corrosion Protection	**79.00**

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Coil-Cure Evaporator Coil Cleaner

RECTORSEAL
A CSW Industrials Company

- Coil-Cure has been added to the EPA list N as an EPA registered disinfectant with emerging viral pathogens and human coronavirus claims for use against SARS-CoV-2
- Disinfects against Canine Parvovirus
- Kills Legionella Pneumophila and disinfects against Legionella Pneumophila
- Viricidal against Herpes Simplex Virus Type 1 & 2, Canine Parvovirus
- Controls mold and mildew; Cleans and deodorizes; Cuts grease and grime without scrubbing
- No rinsing required



A B C

Fig.	Order #	Mfg. #	Size	Each
A	**B87-356**	11070	18 Oz. Aerosol	**38.49**
B	**B87-860**	11072	1 quart	**44.49**
C	**B87-861**	11074	1 Gallon	**65.00**

MMR-II Disinfectant Cleaner

◀ NEW

DIVERSITECH

- Commercial-grade, non-porous mold/mildew surface cleaner and broad spectrum disinfectant
- Clean and sanitize in one step while also disinfecting and removing mold streaks on walls, ceilings, diffusers, and other hard surfaces
- Kills mold in HVAC systems
- 12 Oz.



Order #	Mfg. #	Each
B88-125 ◀	620-01	**44.49**

Cal-Shield™ Coil Coat

Nu-Calgon

- Formulated with DuPont Teflon® surface protector
- Made with FDA approved ingredients
- Ready-to-use formulation
- Forms protective shield on coils
- Reduces ability of dirt and grime to adhere to coil
- Makes next cleaning easier



A B

Fig.	Order #	Mfg. #	Size	Each
A	**B82-271**	4148-32	1 Quart	**85.00**
B	**B82-272**	4148-08	1 Gallon	**205.00**

Ice Guard Plus

Nu-Calgon

- Dramatically reduces ice machine maintenance and cleaning
- Treatment will last up to 3 months under normal conditions
- All ingredients meet FDA guidelines
- Simply place in ice machine water sump after cleaning



Order #	Mfg. #	Each
B87-348	4209-07	**205.00**

Liquid Ice Machine Cleaners

Nu-Calgon

- Removes scale deposits from ice machines
- Made from food-grade phosphoric acid
- Fast and easy-to-use
- Use 8 oz. per three gallons of water



H Hazardous Material Shipping Alert

Order #	Mfg. #	Size	Each
B80-922	4207-47	8 Oz.	**31.99**
B81-044	4207-08	1 Gallon	**275.00**

Nu-Calgon



Nickel-Safe Ice Machine Cleaners

- Specially formulated food-grade product, removes scale deposits from ice machines with nickel or tin-plated evaporators
- Meets Manitowoc specification #GES-6 and is approved by other manufacturers using nickel
- 2 to 3 fl. oz. of cleaner per gallon of water in ice machine

Hazardous Material Shipping Alert

Order #	Mfg. #	Size	Each
B81-173	4287-34	16 Oz.	**35.49**
B81-174	4287-08	1 Gallon	**215.00**

Nu-Calgon



Ice Machine Sanitizer III

- Concentrated formula designed for sanitizing ice machines, ice cream dispensers, and other commercial food preparation equipment
- Will eliminate odors and control bacteria, slime, mildew, and mold on all hard surfaces
- No rinsing required

Order #	Mfg. #	Size	Each
B82-548	4211-34	16 Oz.	**27.49**

DIVERSITECH



Protek-EG™ Glycol

- Inhibited ethylene glycol-based heat transfer fluid
- Provides freeze and burst protection in hydronic, chilled and closed recirculating water systems
- Safe for use in systems where contact with food and potable water is not a concern

Order #	Mfg. #	Size	Strength	Temp. Range	Burst Protection
B98-159	EG-5	5 Gallon	95%	-60°F to +250°F	-100°F
B98-160	EG-55	55 Gallon	95%	-60°F to +250°F	-100°F

DIVERSITECH



ProTek™ -100 Glycol

- Propylene Glycol Antifreeze — protects from bursting down to -100° F
- Non-toxic — safe for incidental contact with food or potable water
- Inhibited — components provide corrosion protection for most metals
- For use in hydronic boilers, refrigeration systems, solar water heating and process cooling applications

Order #	Mfg. #	Size	Strength	Temp. Range	Burst Protection
B81-484	PG-100	1 Gallon	70%	-50°F to +220°F	-100°F
B92-532	PG-100-5	5 Gallon	70%	-50°F to +220°F	-100°F
B95-602	PG-100-55	55 Gallon	70%	-50°F to +220°F	-100°F

DIVERSITECH



ProTek PG Plus Glycol

- ProTek PG Plus is an inhibited propylene glycol based industrial heat transfer fluid and antifreeze that contains food grade corrosion inhibitors
- It is suitable for use in potable water systems
- Designed to provide freeze and burst protection, excellent thermal conductance, protection against corrosion and fouling and long term stability in closed recirculating water loops
- Must be mixed with water
- Provides burst protection to -100°F. Freeze points and burst points are controlled by the propylene glycol to water ratio

Order #	Mfg. #	Size	Strength	Temp. Range	Burst Protection
B87-520	PG-PLUS	1 Gallon	95%	-50°F to +220°F	-100°F
B62-781	PG-PLUS-5	5 Gallon	95%	-50°F to +220°F	-100°F
B62-782	PG-PLUS-55	55 Gallon	95%	-50°F to +220°F	-100°F

ESP
ENERGY SAVING PRODUCTS



Glycol Tester

- Used to determine a reading of the freezing point of antifreeze solutions or the charge level of battery fluid
- Contains easy and understandable directions packed within foam filled carrying case, with liquid dropper and calibration screwdriver
- Range: -50°F to +32°F
- Min. Division: 10°F

Order #	Mfg. #	Description	Each
B13-597	RHB-82G	Glycol Tester	**445.00**

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Burst-Kontr'l™ AP 100

Nu-Calgon

- Premixed, ready-to-use inhibited heat transfer and anti-freeze glycol fluid
- Formulated to provide corrosion protection, burst protection, and freeze protection for chilled water, hydronic, and other closed systems — protects from bursting to -60°F at 100%
- Safe to use where contact with potable water may occur
- Designed for use with aluminum heat exchangers



Order #	Mfg. #	Description	Size	Strength	Temp. Range	Burst Protection	Each
B85-924	4187-15	Burst-Kontr'l AP-100 5G	5 Gallon	60%	104°F to -76°F	-100°F	**285.00**

Freez-Kontr'l™

Nu-Calgon

- Propylene glycol-based antifreeze and heat transfer fluid
- Provides corrosion protection and freeze protection for chilled water, hydronic, and other closed systems
- Safe to use where contact with potable water may occur



Order #	Mfg. #	Description	Size	Strength	Temp. Range	Burst Protection
B85-551	4188-07	Freez Kontr'l 1G	1 Gallon	70%	359.6°F to -76°F	-100°F
B85-550	4188-05	Freez Kontr'l 5G	5 Gallon	70%	359.6°F to -76°F	-100°F
B72-827	4188-02	Freez Kontr'l 55G Plastic	55 Gallon	70%	359.6°F to -76°F	-100°F
B72-831	4188-06	Freez Kontr'l 5G 95/5	5 Gallon	95%	359.6°F to -76°F	-100°F
B72-828	4188-03	Freez Kontr'l 55G 95/5	55 Gallon	95%	359.6°F to -76°F	-100°F
B72-830	4188-35	Freez Kontr'l 35 55G Drum	55 Gallon	35%	359.6°F to -76°F	-50°F

Super Seal Advanced™ Leak Sealant

CLIPLIGHT a DIVERSITECH company

- Advanced sealing power with moisture eliminator
- Seals and prevents leaks
- Removes 20 drops of water
- Prevents corrosion, acid and waxing
- No recovery or pump down needed
- Contaminant and particle-free
- Compatible with all oil and refrigerants
- Clear hose included



Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Application	Each
B82-786	944KIT	Super Seal Advanced Medium Systems	Systems 1.5 to 5 Ton	**185.00**

Super Seal Flex Inject Sealants

CLIPLIGHT a DIVERSITECH company

- Super Seal stops existing leaks and prevents future leaks
- For use in AC/R systems ranging from small appliances and residential applications to light commercial systems
- Compatible with all oils and refrigerants including R410A



Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Application	Each
B86-260	985	Sealant Only	Systems up to 6 tons	**165.00**
B87-228	995	Sealant With UV Dye	Systems up to 6 tons	**205.00**
B87-243	990	UV Dye Only	Systems up to 6 tons	**205.00**

MasterCare Leak Armor Flex Shot Leak Sealants

DIVERSITECH MasterCare

- Single use leak sealant and moisture scavenger in easy to use cartridge
- No tools or gauges required
- No call backs - seals leaks up to 300 microns
- Patented reusable "Push Button" delivery system – fills in less than 10 seconds
- Easy fasten injection tool made of durable anodized aluminum and tested up to 100 injections
- Works with all compressors, heat pumps & condensers
- Won't interfere with manifold gauges, TXVs, pistons or cap tubes



Order #	Mfg. #	Description	Application	Each
Single Sealant With Adaptors				
B87-526	985S-MC	Single Sealant w/Adaptors	Systems up to 12 tons	**169.00**
B87-529	995S-MC	Single Sealant With UV Dye w/Adaptors	Systems up to 12 tons	**205.00**
Sealant Four Packs Without Adapters				
B87-527	985M-MC	Sealant 4 pack - No Adaptors	Systems up to 12 tons	**535.00**
B87-530	995M-MC	Sealant 4 pack With UV Dye - No Adaptors	Systems up to 12 tons	**649.00**
Reusable "Push Button" Injection Tool				
B22-014	IA-MC	Adaptors	—	**105.00**

CLIPLIGHT a DiversiTech company

Super Seal Total™ Leak Sealant



- Total sealing power with moisture eliminator and UV dye
- Seals and prevents leaks
- Removes 20 drops of water
- Prevents corrosion, acid and waxing
- No recovery or pump down needed
- Contaminant and particle-free
- Compatible with all oil and refrigerants
- Clear hose included

Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Application	Each
B84-501	972KIT	Super Seal Total Medium & Large Systems	Systems 1.5 to 5+ Tons	**195.00**

Nu-Calgon

EasySeal Ultimate SS/UV



- Permanently seals even larger leaks
- Rapid Fusion Technology for a stronger bond
- Easiest to install direct inject
- Works with all refrigerants
- New brighter UV dye
- Treats fractional to 2 tons

Hazardous Material Shipping Alert

Order #	Mfg. #	Each
B87-418	4050-21	**135.00**

Nu-Calgon

A/C EasySeal Leak Sealants



- Prevents and seals refrigerant leaks in A/C and refrigeration systems
- Circulates with the refrigerant for quick reaction to stop a leak
- **B85-709** seals systems up to 1-1/2 tons
- **B85-596** seals systems up to 5 tons
- **B86-154** treats 250 Lbs. of refrigerant
- Compatible with all refrigeration lubricants and HCFC and HFC refrigerants

Order #	Mfg. #	Description	Each
B85-596	4050-02	2+1 Display Pack w/Hose	**355.00**
B85-597	4050-06	3 Oz. Pressurized EasySeal	**155.00**
B85-709	4050-01	Small System Sealant	**109.00**
B86-154	4050-10	8 Oz. Pressurized EasySeal XL	**759.00**
B17-353	4051-99	Piercing Valve & Hose	**44.99**

Nu-Calgon

EasySeal Direct Inject



- Prevents and seals refrigerant leaks in A/C and refrigeration systems
- Compatible with all refrigerants and oils
- No pump-down needed on R410A systems

Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Application	Each
B86-469	4050-05	EasyDirect Small Systems	Up to 2 Tons	**129.00**
B86-380	4050-08	EasyDirect Large Systems	2 Tons to 10 Tons	**169.00**
B86-936	4050-11	EasyDirect Large Systems with UV Dye	2 Tons to 7.5 Tons	**175.00**

Nu-Calgon

EasyDye™ Fluorescent Leak Detection Dye



- Ultra-bright fluorescent dye
- Injects in seconds
- Works with all refrigerants and lubricants
- Connect with Connect Injector Tool or Universal Treatment Injector Tool
- Glows green-yellow at leak site
- Use UV flashlight for leak detection

Order #	Mfg. #	Description	Each
B22-288	4050-51	EasyDye Leak Dye	**41.99**

SPECTROLINE® LEAK DETECTION

WATER-GLO® ULTRA Fluorescent Leak Detection Dye



- Find leaks in industrial sized water/glycol-based fluid systems
- For both static and circulating systems including boilers, chillers and geothermal heat pump systems
- Pinpoint leaks in piping, valves, condensers, seals, welds, and fittings
- Treats up to 500 gallons of water
- NSF certified to meet food-grade processing requirements for category codes G7, GX and HTX-2
- 8 oz. twin neck bottle

Order #	Mfg. #	Each
H28-682	SPE-WGG-8CS	**135.00**

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Thawzone Liquid Dehydrants

- Chemically dries all fluorinated refrigerants (R12, R22, etc.)
- Frees frozen systems in five minutes and prevents refreezing
- Add 1/8 oz. of Thawzone™ to each pound of refrigerant



Order #	Mfg. #	Size
B10-851	HS17001	1 Oz.
B10-852	HS17004	4 Oz.

Big Blu® and Super Blu® Low Temperature Leak Reactants

- Ultra sensitive — capable of magnifying micro-gas leakage as small as 0.65 oz./year into visible foam "cocoons"
- Finds leaks in seconds, non-toxic, oxygen safe
- Pinpoints and preserves microscopic leaks up to two hours
- Super Blu® Low Temperature will not freeze down to -30°F



A



B

Fig.	Order #	Mfg. #	Description	Size	Application	Each
A	**B81-319**	RT100S	Spray	1 Quart	High Temp.	**30.99**
B	**B81-320**	RT100G	Refill	1 Gallon	High Temp.	**89.00**
A	**B81-341**	RT150S	Spray	1 Quart	Low Temp.	**49.49**
B	**B81-342**	RT150G	Refill	1 Gallon	Low Temp.	**175.00**

Brush-On Blu® Refrigerant Leak Detector

- Non-toxic, non-corrosive, biodegradable and oxygen safe
- NSF registered for use in food processing areas
- Creates bubble at point of leakage.
- 8 oz. size with telescoping dauber in cap



Order #	Mfg. #	Each
B84-508	RT175B	**26.49**

Cal-Blue Plus Gas Leak Detectors

- High viscosity formulation to enhance contact time
- Long-lasting bubbles
- Non-corrosive
- Will not affect black lights
- Oxygen-safe
- LT versions are effective down to -20°F



Order #	Mfg. #	Description	Size	Application	Each
B84-458	4182-24	Cal-Blue Plus	1 Quart	5°F to 220°F	**29.49**
B84-450	4182-08	Cal-Blue Plus	1 Gallon	5°F to 220°F	**85.00**
B85-547	4183-24	Cal-Blue LT	1 Quart	-20°F to 220°F	**43.49**
B85-546	4183-08	Cal-Blue LT	1 Gallon	-20°F to 220°F	**119.00**

Fluorescent Gas Leak Detector

- High viscosity formulation to enhance contact time
- Long-lasting bubbles
- Temperature range of 5°F to 220°F
- Non-corrosive
- Suitable for all refrigerants, natural gas and oxygen
- Easy-to-use 8 oz. dauber bottle



Order #	Mfg. #	Description	Each
B84-457	4184-53	Fluorescent Gas Leak Detector	**16.49**

Gas Leak Detector

- 8 oz. size with dauber in cap
- High viscosity liquid, forms bubbles when gas leak is detected
- Non-corrosive, non-staining, harmless to skin
- Detect air, compressed air, CO_2, nitrogen, natural or refrigerant gases



Order #	Mfg. #	Each
B81-166	HS22008	**21.99**

Trace Internal Red Dye Leak Detectors

HIGHSIDE CHEMICALS INC.



- Leaks show as red stains on piping or equipment
- Shows through ice and frost, and "out of sight" or intermittent leaks
- Won't harm systems
- Add 1/8 oz. of Trace for each pound of refrigerant in system

Note: Not for use with polyolester oils.

Order #	Mfg. #	Size
B11-758	HS20004	4 Oz.
B10-280	HS20016	1 Pint

Acid-Away®

RECTORSEAL
A CSW Industrials Company



A



B

- Effectively removes acid buildup that occurs in refrigeration oils used in air conditioning and refrigeration systems
- Safe and easy to use treatment for both hermetic and semi-hermetic compressors of virtually any size that operate with mineral or alkylbenzene type refrigeration oils
- For systems that operate on Polyolester oils, use Acid-Away for POE (**B13-641**)
- Tested in accordance with ANSI/ASHRAE standards 86-1983 and 97-1989, and various ASTM standards

Fig.	Order #	Mfg. #	Description	Size	Each
A	**B12-007**	45004	For use with mineral or alkylbenzene oils	4 Oz.	**89.00**
B	**B13-641**	45009	For use with systems Polyolester oils	4 Oz.	**95.00**

QwikShot® Refrigerant and Oil Treatment

QwikProducts by Mainstream Engineering



- Works with all refrigerants, oils, and filter-driers on operating systems
- Removes acid and up to 26 drops of moisture
- Advanced technology - uses no harmful neutralization reactions
- Single treatment per box handles up to a 6-ton unit
- OEM approved

Order #	Mfg. #	Each
B20-226	QT2501	**39.99**

QwikInjector® Service Tool

QwikProducts by Mainstream Engineering



- Introduces QwikShot® acid treatment or other liquids without having to break down system
- Includes 1/2 oz. acid flush

Order #	Mfg. #	Size	Each
B13-045	QT2510	1/2 Oz.	**95.00**

RX — Acid Scavenger

Nu-Calgon



- Neutralizes, or "scavenges" acid in refrigeration and air conditioning systems after burnouts, or during regular maintenance
- Can be used with all lubricants — mineral, alkylbenzene, and polyolester oils

Order #	Mfg. #	Size	Each
B14-295	4301-02	2 Oz.	**75.00**
G80-711	4301-05	3.8 Oz. Aerosol	**75.00**

QwikCheck® Acid Test Kit

QwikProducts by Mainstream Engineering



- Tests for acid in two seconds in operating systems
- Provides an early warning of acid problems without the need to remove oil
- Meets EPA Venting Regulations
- Tests to 1 ppm of acid content
- Yellow to Red color change if inorganic acid is detected
- Compatible with all refrigerants and oils
- Meets EPA venting regulations and compatible with all refrigerants and oils
- Made in the U.S.A.

Order #	Mfg. #	Each
B13-043	QT2000	**27.49**

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Phase III® Acid Test Kit

Nu-Calgon

- Phase separation makes it easy to see color changes in acid indicator
- Compatible with mineral oil, alkylbenzene and polyolester oils
- Only two bottles to work with — no glass to break open since bottles have screw caps



Hazardous Material Shipping Alert

Order #	Mfg. #	Each
B81-975	4320-W8	**48.99**

TKO™ Acid Test Kit

Parker

- For use with alkylbenzene and mineral oil lubricants
- One easy and quick step to tell if compressor oil is safe or acidic
- Simply add oil to bottle and shake — purple is safe; yellow is acidic
- Color chart in every box



Order #	Mfg. #	Each
B11-678	TKO	**59.00**

Rx11-Flush™

Nu-Calgon

- Engineered specifically for ozone-safe flushing of refrigeration and air conditioning system
- Can be used for new system cleaning, retrofits, and system cleaning after burn-outs and other failures resulting in system contamination
- Easy to use pre-pressurized solvent canisters
- "Scrubs" particulate, sludge, carbon residue, acid, oil, and water from system
- Helps avoid the need for costly and time-consuming repeat visits
- 2 lb. canister flushes 5 to 7 ton systems; 1 lb. canister flushes 3 to 4 ton systems



Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Each
B82-019	4300-10	2 Pack With Valve - 2 Lb. Canisters	**749.00**
B85-710	4300-08	Starter Kit With 1 Lb. Canister, Gun, Hose and Valve	**395.00**
B82-560	4300-09	RX-11 Flush - 1 Lb. Canister	**165.00**
B82-020	4300-11	RX-11 Flush - 2 Lb. Canister	**315.00**
B84-288	4300-15	RX-11 Flush - 13 Lb. Canister	**1799.00**
B85-925	4300-26	RX-11 Flush - 26 Lb. Canister	**3545.00**

Rx11-Flush™ Unpressurized

Nu-Calgon

- Engineered specifically for ozone-safe flushing of refrigeration and air conditioning system
- Can be used for new system cleaning, retrofits, and system cleaning after burn-outs and other failures resulting in system contamination
- "Scrubs" particulate, sludge, carbon residue, acid, oil, and water from system
- Helps avoid the need for costly and time-consuming repeat visits
- Unpressurized refillable delivery system



Order #	Mfg. #	Description	Each
B85-909	4300-38	RX-11 Flush Liquid Starter Kit With Liquid Can, Tank, Gun And Hose	**415.00**
B86-033	4300-30	RX-11 Flush Liquid - 19.5 Oz. can	**165.00**

Rx11-Flush™ Accessories

Nu-Calgon



Order #	Mfg. #	Description	Each
B15-341	4300-50	Line Set Tool	**34.99**
B17-355	4300-51	Flush Gun	**85.00**
B17-356	4300-52	Flush Hose	**65.00**
B13-402	4300-89	Canister Valve	**89.00**

Pro-Flush HVAC Flushing Solvent



- Formulated for R-410A retrofits, refrigerant conversions and compressor burnouts
- Compatible with all refrigerants and compressor oils
- Uses field supplied nitrogen as propellant so the right amount of solvent can be applied without waste
- Pro-Flush is not HAZMAT for storage and ground transportation; this flushing solvent is low toxicity, non-flammable, and residue-free
- The kit includes: charging hose, large flush nozzle, refillable pressure tank, 8 oz. container of Pro-Flush and pressure relief valve for added safety

Order #	Mfg. #	Description	Each
B84-454	PF-KIT	Pro-Flush HVAC Flush Kit	**395.00**
B84-455	PF-16	Pro-Flush 16 Oz. Flushing Solvent Refill	**189.00**
B86-183	PF-8	Pro-Flush 8 Oz. Flushing Solvent Refill	**129.00**

ProFlush Line Set Adapter



- Conveniently flushes line sets without carrying everything to the basement or attic
- Creates a complete connection from the liquid line to the suction line at the disconnected air handler
- Allows a single contractor to monitor both the introduction of the solvent to the lines, and the solution exiting the line set simultaneously

Order #	Mfg. #	Description	Each
B85-703	PF-ADAPTER	Pro-Flush Adapter	**139.00**

Pro-Flush Aerosol Flushing Kit

NEW



- Clean, retrofit and change out systems up to 7 tons after burnouts, before refrigeration conversions, and new system/component installations
- Powerful but safe solvent that removes sludge, carbon residues, oils, acids, moisture and particulates from condensers, evaporators, and line sets
- Formulated for R-410A retrofits, refrigerant conversions and compressor burnouts
- Compatible with CFC, HFC and HFO's refrigerants and compressor oils
- Includes 16 oz. flush aerosol, service hose, aerosol actuator valve, and flush gun

Order #	Mfg. #	Description	Each
B88-121 ◀	PF-AER-KIT	Complete Kit	**235.00**
B88-122 ◀	PF-AER-16	16 Oz. Solvent	**85.00**
B88-123 ◀	PF-AER-AV	Replacement Valve	**34.99**

Max-Flow™ Deluxe Oil Pump



- High capacity oil pump; pumps 3.8 oz. per stroke (8-1/2 strokes per quart)
- Foot stand base provides support and leverage while pumping against high pressures (250 PSI)
- Fits all size oil containers
- Can operate unit in reverse with siphon hose accessory (**H25-631**), for removing oil from system

Order #	Mfg. #	Description	Each
H85-319	77930	Deluxe Oil Pump	**389.00**
H25-630	77931	O-Ring Kit for 77930	**22.49**
H25-631	77934	1/4" x 36" Siphon Hose Kit	**75.00**

Max Flow™ Combination Oil Pump



- Works as a combination oil pump; for adding or removing oil from the compressor
- Hose included for pumping oil out of the compressor
- Pumps 2.6 oz. per stroke against pressures up to 250 PSI
- Fits 1, 1-1/2 and 5 gallon size containers
- For use with all oils

Order #	Mfg. #	Each
H85-353	77940	**325.00**

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Oil Injector

YELLOW JACKET

- Use to add oil or additives to a system
- Male fitting at one end with Schrader valve, ball valve on other end with a short length of hose
- Valve depressor in female end
- Body and cap are rugged aluminum with O-ring seal
- 600 PSI maximum working pressure

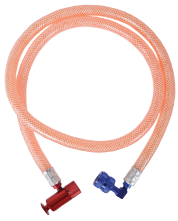


Order #	Mfg. #	Description	Each
B17-828	69562	Oil Injector	**245.00**
B20-541	69564	Replacement O-Rings (5-pk.)	**16.49**

Boost Juice® Inject

DIVERSITECH MasterCare

- Enhances system performance, saving money on electric bills
- Reduces compressor noise
- Reduces energy consumption lowering starting and running amps
- Rejuvenates older systems
- Cleans interior linesets and system components removing loose deposits
- Improves oil lubricity through reduced friction and drag while blending with system oil and refrigerant
- Eliminates up to 20 drops of internal moisture prolonging system life
- Prevents acid formation



Order #	Mfg. #	Description	Each
B87-525	992-MC	Systems up to 12 tons	**225.00**

Super Change Refrigerant Retrofit

DIVERSITECH MasterCare

- Links Mineral/AB oil to any HFC refrigerant
- Eliminates change out of oil, "O" rings, or gaskets
- Designed as an alternative to R22 line set conversion flush
- Maximizes oil return and heat transfer on retrofit and drop in refrigerants
- Combats system contamination reducing TXV failure
- Boosts efficiency and extends compressor life
- Reduces oil logging - critical in systems with long line set runs and rises
- Prevents corrosion and restores lubricant to original condition by removing water and oxygen



Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Each
B87-524	991-MC	Systems up to 12 tons	**225.00**

Super Change™ Fast and Easy R22 System Retrofit

CLIPLIGHT a DIVERSITECH company

- Links Mineral/AB oil to any HFC refrigerant
- Eliminates change out of oil, "O" rings, or gaskets
- Designed as an alternative to R22 line set conversion flush
- Maximizes oil return and heat transfer on retrofit and drop in refrigerants
- Combats system contamination reducing TXV failure
- Boosts efficiency and extends compressor life
- Reduces oil logging - critical in systems with long line set runs and rises
- Prevents corrosion and restores lubricant to original condition by removing water and oxygen
- For use with **B17-320** clear reusable hose; Sold separately



Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Each
B86-251	981	Up to 6 tons (Apply second can for systems over 6 tons)	**159.00**

A/C Re-New Lubricant

Nu-Calgon

- Compressor lubrication designed to reduce energy costs, improve cooling performance and SEER rating
- Enhances the lubricity of Mineral, Alkylbenzene, and POE oils to reduce drag friction of compressor
- Promotes quieter system operation
- Improves heat transfer in the evaporator and condenser by improving oil return
- One can treats up to 5 ton system
- Compatible with all refrigerants including R410A because it is unpressurized



Order #	Mfg. #	Description	Each
B86-470	4057-54	1 Qt. Unpressurized Bottle	**1299.00**
B85-533	4057-55	4 Oz. Unpressurized Bottle	**195.00**

Ester Refrigeration Oils

Nu-Calgon



- Specially designed for HFC refrigerants
- Ideal for upgrading existing systems to new HFC refrigerants
- For low, medium, and high temperature refrigeration systems
- Approved by manufacturers worldwide
- Five-gallon containers available online
- **B82-567** and **B82-568** are Copeland approved oils

Order #	Mfg. #	Description	Viscosity	Size	Each
B81-406	4314-46	Emkarate™ RL32H POE Oil	ISO 32 (150 SUS)	1 Gallon	**325.00**
B82-567	4314-64	Emkarate™ RL32-3MAF POE Oil	ISO 32 (150 SUS)	1 Quart	**105.00**
B82-568	4314-66	Emkarate™ RL32-3MAF POE Oil	ISO 32 (150 SUS)	1 Gallon	**325.00**
B81-477	4316-46	Emkarate™ RL68H POE Oil	ISO 68 (300 SUS)	1 Gallon	**359.00**

Ester Refrigeration Oils

Parker



- Specially designed for HFC refrigerants
- Ideal for upgrading existing systems to new HFC refrigerants
- For low, medium, or high temperature refigeration systems
- Approved by manufacturers worldwide
- Also available in five-gallon containers by special order
- **B82-485** and **B82-486** are Copeland approved oils

Order #	Mfg. #	Description	Viscosity	Size	Each
B82-485	LE32-3MAFQ	Uniqema Emkarate™ RL32-3MAF POE Oil	ISO 32 (150 SUS)	1 Quart	**209.00**
B82-486	LE32-3MAF1	Uniqema Emkarate™ RL32-3MAF POE Oil	ISO 32 (150 SUS)	1 Gallon	**539.00**
B82-487	LE32HQ	Uniqema Emkarate™ RL32H POE Oil	ISO 32 (150 SUS)	1 Quart	**235.00**
B82-488	LE32H1	Uniqema Emkarate™ RL32H POE Oil	ISO 32 (150 SUS)	1 Gallon	**569.00**
B82-489	LE68HQ	Uniqema Emkarate™ RL68H POE Oil	ISO 68 (300 SUS)	1 Quart	**229.00**
B82-490	LE68H1	Uniqema Emkarate™ RL68H POE Oil	ISO 68 (300 SUS)	1 Gallon	**565.00**

Zerol® Refrigeration Oils

Nu-Calgon



- Synthetic alkylbenzene refrigeration oil
- Resists change under high pressure
- High solubility, low foaming, low floc point
- Excellent “clean-up” and replacement oil in burnouts
- Compatible with most refrigerants, including ammonia and HCFC-based blends
- Zerol® is Copeland approved
- Zerol® is not to be used with HFCs or HFC blends

Order #	Mfg. #	Description	Viscosity	Size	Each
B81-409	4310-07	Zerol Alkylbenzene Refrigeration Oil	ISO 32 (150 SUS)	1 Gallon	**195.00**
B81-410	4308-07	Zerol Alkylbenzene Refrigeration Oil	ISO 46 (200TD SUS)	1 Gallon	**175.00**
B81-411	4311-07	Zerol Alkylbenzene Refrigeration Oil	ISO 68 (300 SUS)	1 Gallon	**215.00**

Guardian Alkylbenzene Refrigeration Oil

Parker

Order #	Mfg. #	Description	Each
B87-900	VA150G	Guardian Alkylbenzene Refrigeration Oil	**259.00**
B87-893	VA200G	Guardian Alkylbenzene Refrigeration Oil	**315.00**

Refrigeration Mineral Oils

Nu-Calgon



- High quality, stable lubricant — performs well at low temperatures
- Available in three viscosities: 150 (C-3s), 300 (C-4s), and 500 (C-5s)
- Designed for lubrication of air conditioning and refrigeration compressors

Order #	Mfg. #	Description	Viscosity	Size	Each
B82-245	4303-07	C-3s Refrigeration Oil	ISO 32 (150 SUS)	1 Gallon	**85.00**
B82-246	4303-05	C-3s Refrigeration Oil	ISO 32 (150 SUS)	5 Gallon	**415.00**
B82-247	4304-07	C-4s Refrigeration Oil	ISO 68 (300 SUS)	1 Gallon	**85.00**
B82-248	4304-05	C-4s Refrigeration Oil	ISO 68 (300 SUS)	5 Gallon	**415.00**
B82-249	4305-07	C-5s Refrigeration Oil	ISO 100 (500 SUS)	1 Gallon	**85.00**

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Guardian Refrigeration Mineral Oil

- Compatible with CFC, HCFC and HC refrigerants as well as non-fluorocarbon refrigerants including ammonia
- Wax-free content minimizes the potential for wax separation in low temperature systems
- High chemical stability minimizes any reaction with refrigerants and other materials that are a part of the refrigeration compressor/system
- Napthenic based refrigeration and air conditioning oils are formulated to exceed OEM compressor manufacturers specifications

Order #	Mfg. #	Description	Viscosity	Each
B87-894	VG-3-MO-Q	VG-3 Refrigeration Oil	ISO 32 (150 SUS)	**75.00**
B87-895	VG-3-MO-1	VG-3 Refrigeration Oil	ISO 32 (150 SUS)	**115.00**
B87-896	VG-3-MO-5	VG-3 Refrigeration Oil	ISO 32 (150 SUS)	**655.00**
B87-897	VG-4-MO-1	VG-4 Refrigeration Oil	ISO 68 (300 SUS)	**105.00**
B87-898	VG-4-MO-5	VG-4 Refrigeration Oil	ISO 68 (300 SUS)	**585.00**
B87-899	VG-5-MO-1	VG-5 Refrigeration Oil	ISO 100 (500 SUS)	**145.00**

WE'RE THE EXPERTS YOU COUNT ON.



- Products you need, including hard to find speciality parts
- Delivery options to get back on the road
- Technology to help you on the job
- Training to keep you competitive
- Service and support



BETTER SERVICE & LOCAL SUPPORT WITH GLOBAL PARTNERS

THAT'S THE POWER OF JOHNSTONE™

Refrigerants and lubricants approved for use in Copeland™ compressors

	Refrigerants	Order#	Class*	Similar to	Application		Lubricant choices			Comments
					Retrofit	New	Prefer	Alt #1	Alt #2	
Ozone Depleting	CFC R-12		A1		L,M		MIN	AB & MIN		Phased out in 1996
	CFC R-502				L,M		MIN	AB & MIN	POE-32	Phased out in 1996
	HCFC R-22	B92-085			L,M,H		MIN	AB & MIN	POE-32	No new equipment 2010**
	HCFC R-401A			R-12	M,H		AB & MIN	POE-32 & MIN	POE-32	For service applications only, trade name: Freon™MP39
	HCFC R-401B			R-12	L,M		AB & MIN	POE-32 & MIN	POE-32	For service applications only, trade name: Freon MP66
	HCFC R-402A			R-502	L,M		AB & MIN	POE-32 & MIN	POE-32	For service applications only, trade name: Freon HP80
	HCFC R-402B			R-502	L,M		AB & MIN	POE-32 & MIN	POE-32	For service applications only, trade name: Freon HP81
	HCFC R-408A			R-502	L,M		AB & MIN	POE-32 & MIN	POE-32	For service applications only, trade name: FX10
	HCFC R-409A			R-12	L,M		AB & MIN	POE-32 & MIN	POE-32	For service applications only, trade name: FX56
Non-ozone Depleting	HFC R-134a	B92-373		R-12	M,H	M,H	POE-32			
				R-12	L,M	L,M	POE-22B			Hatcol 4408/Savsyn 200KC for use with specific Copeland compressors designed for R-134a manufactured in India
				R12	L,M	L,M	POE-22D			Compressors produced in Brazil
				R12	L,M		POE-22A	POE-22D		Compressors produced in Slovakia
				R-502	L,M	L,M	POE-32			Freon HP62, Forane™ FX70
	HFC R-404A	B92-440		R-502	L,M	L,M	POE-22C			For use with compressors manufactured in India
				R-502	L,M	L,M	POE-22A	POE-22D		Compressors produced in Slovakia
	HFC R-507	B93-468		R-502	L,M	L,M	POE-32			Genetron™AZ50
	HFC R-407A	B90-495		R-22	L,M	L,M	POE-32			
	HFC R-407C	B98-451		R-22	L,M,H	L,M,H	POE-32			Freon 9000/KLEA 66
	HFC R-407F	B73-298		R-22	L,M	L,M	POE-32			Discus™ and select refrigeration scroll models (ZF/ZB)
	R-448A	B79-468		R-22/R-404A	L,M	L,M	POE-32			Solstice™N40
				R-22/R-404A	L,M	L,M	POE-22A	POE-22D		Compressors produced in Slovakia
	R-449A	B79-419		R-22/R-404A	L,M	L,M	POE-32			Opteon™XP40
				R-22/R-404A	L,M	L,M	POE-22A	POE-22D		Compressors produced in Slovakia
				R-12/R-134a	M,H	M,H	POE-32			Solstice N13 for refrigeration applications only
	R-450A	B62-036		R12	L,M	L,M	POE-22D			Compressors produced in Brazil
				R-12/R-134a	M,H	M,H	POE-22A	POE-22D		Compressors produced in Slovakia
				R-12/R-134a	M,H	M,H	POE-32			Opteon XP10 for refrigeration applications only
	R-513A	B79-421		R12	L,M	L,M	POE-22D			Compressors produced in Brazil
				R-12/R-134a	M,H	M,H	POE-22A	POE-22D		Compressors produced in Slovakia
	R-452A	B60-963		R-22/R-404A	L,M	L,M	POE-32			OPTEON™ XP44 for U.S. and European pre-approved applications only
	HFC R-410A	B92-910				Discus = L,M Scroll = M,H M,H	POE-32			ZP & ZB KCP Copeland Scroll™ models and certain Discus models only
							PVE-68			For use with specific highside variable speed compressors manufactured in Suzhou.
	HFC R-422A/D	B73-275		R-22	L,M		POE-32	MIN	AB	Discus supermarket racks only
	HFC-R427A	B99-142		R-22	L,M		POE-32			Discus supermarket racks only
	HFC R-438A	B75-398		R-22	L,M		POE-32	MIN	AB	Discus supermarket racks only; Freon MO99
	R-704 helium					Cryogenic	PAG			ZC Copeland Scroll models only
						Sub-critical	POE-68	PAG-68		4MSLS Semi-Hermetic and ZO Copeland Scroll models for CO_2
	R-744 CO_2						PAG-68	POE-68		RFL68EP for CO_2 compressor manufactured in Europe
						Trans-critical	POE-68	PAG-68		4MTLS semi-hermetic compressors for medium temp trans-critical applications
	R-32	B64-386	A2L	R410A	M,H	M,H	POE-46			New NXG5020 oil for new R32 scrolls launched starting 2018 & replacing SP32 (Asia products)
				R410A	M,H	M,H	POE-32B			For use with specific compressors designed for R-32 manufactured in Suzhou
	R-290 propane	B87-806	A3			L,M,H	POE-68B			For use with specific Scroll Copeland compressors manufactured in North Ireland for R-290
						L,M	POE-22A			For use with specific Copeland compressors designed for R-290, excluding models manufactured in India
							POE-32			For use with specific Copeland compressors manufactured in India for R-290
							AB/POE-32			CPI 4708-32, ALP 360A-22 used in compressors produced in Brazil
							POE-10			Compressors produced in Mexico

*ASHRE Std. 34 Refrigerant Classification: A1=Non-Flammable/Non-Toxic: A2, A2L=Mildly Flammable/Non-Toxic; A3 = Flammable/Non-Toxic; B2, B2L = Mildly Flammable/Toxic. A2L and B2L are lower flammability refrigerants with a maximum burning velocity of <3.9in/sec(10cm/s)

** A & R product lines with R-22 are only approved for use with AB oil.

Continued

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R22 Refrigerant

- R22 is a single-component low ozone depleting HCFC refrigerant with a large installed base of air conditioning and refrigeration applications
- R22 is going through a mandatory phase-out beginning with new equipment in 2010 and production scheduled to end in 2020
- 30 lb. and 50 lb. disposable cylinders have 1/4" SAE male fitting, spring loaded relief valve, built-in handles and inversion stand
- 125 lb. and 1000 lb. returnable cylinders have a standard 3/4" MPT outlet connection and dual liquid and vapor charging valve

Note: B98-524 returnable cylinder is subject to deposit unless empty cylinder is returned at time of purchase.



FORANE® REFRIGERANTS

Order #	Mfg. #	Refrig.	Refrig. Type	Tank Size
B92-085	R22-30	R22	HCFC	30 Lbs.

Hazardous Material Shipping Alert

R427A HFC Refrigerant

- R22 Alternative in A/C and medium and low temperature refrigeration applications
- HFC refrigerant blend with zero ozone depletion
- Comparable capacity and operating pressures to R22
- High tolerance to existing mineral and alkylbenzene oils
- No need to change the existing expansion devices in most systems

Note: B99-143 returnable cylinders are subject to deposit unless empty cylinder is returned at time of purchase.



FORANE® REFRIGERANTS

Order #	Mfg. #	Refrig.	Refrig. Type	Tank Size
B99-142	R427A-25	R427A	HFC	25 Lbs.

Hazardous Material Shipping Alert

R410A HFC Refrigerant

- Also known as Puron™
- Zero ozone depletion potential
- For use as a replacement for HCFC-22 in a variety of new equipment applications

Note: B92-911 returnable cylinders are subject to deposit unless empty cylinder is returned at time of purchase.



FORANE® REFRIGERANTS

Order #	Mfg. #	Refrig.	Refrig. Type	Tank Size
B92-910	R410A-25	R410A	HFC	25 Lbs.
B92-911	R410A-100	R410A	HFC	100 Lbs.

Hazardous Material Shipping Alert

R404A HFC Refrigerant

- Long-term HFC alternative refrigerant
- Low and medium-temperature replacement for R502
- Not compatible with mineral or alkylbenzene lubricants; must use ester oil
- Available in 24 lb. disposable drums and 100 lb. returnable cylinders

Note: B92-441 returnable cylinders are subject to deposit unless empty cylinder is returned at time of purchase.



FORANE® REFRIGERANTS

Order #	Mfg. #	Refrig.	Refrig. Type	Tank Size
B92-440	R404A-24	R404A	HFC	24 Lbs.
B92-441	R404A-100	R404A	HFC	100 Lbs.

Hazardous Material Shipping Alert

R134a Refrigerant

- R134a is a single-component non-ozone depleting HFC refrigerant common in automotive and medium or high temperature refrigeration applications and is a common R12 retrofit
- Not compatible with mineral or alkylbenzene lubricants; must use ester oil in stationary or PAG in automotive applications
- **B92-373** has 1/4" SAE male fitting
- **B92-570** returnable cylinder has 3/4" MPT outlet connection, and valve permitting liquid and vapor to be charged while cylinder is upright

Note: B92-570 returnable cylinder is subject to deposit unless empty cylinder is returned at time of purchase.



FORANE® REFRIGERANTS

Order #	Mfg. #	Refrig.	Refrig. Type	Tank Size
B92-373	R134a-30STD	R134a Standard	HFC	30 Lbs.
B92-570	R134a-125	R134a	HFC	125 Lbs.

Hazardous Material Shipping Alert

Chemours



Hazardous Material Shipping Alert

R407A And R407C HFC Refrigerant

- Close match to R22 properties
- R407C is used in high temperature systems like unitary A/C
- R407A is used in medium and low temperature systems
- Not for use in flooded evaporator systems
- For use with POE oil to ensure miscibility

Note: B90-496 and **B98-452** returnable cylinders are subject to deposit unless empty cylinder is returned at time of purchase.

Order #	Mfg. #	Refrig.	Refrig. Type	Tank Size
B90-495	R407A-25	R407A	HFC	25 Lbs.
B90-496	R407A-115	R407A	HFC	115 Lbs.
B98-451	R407C-25	R407C	HFC	25 Lbs.
B98-452	R407C-115	R407C	HFC	115 Lbs.

Chemours



Hazardous Material Shipping Alert

R507 HFC Refrigerant

- HFC refrigerant blend
- Zero ozone depletion potential
- Used in new refrigeration equipment and to retrofit existing equipment in supermarket, food service, ice machines and other medium and low temperature applications
- For use with POE oils to ensure miscibility between oil and refrigerant

Note: B93-469 returnable cylinders are subject to deposit unless empty cylinder is returned at time of purchase.

Order #	Mfg. #	Refrig.	Refrig. Type	Tank Size
B93-468	R507-25	R507	HFC	25 Lbs.
B93-469	R507-100	R507	HFC	100 Lbs.

Honeywell



Hazardous Material Shipping Alert

R422D Refrigerant

- HFC replacement for R22 low, medium and high temperature direct expansion applications
- May not require oil change - see Genetron Retrofit Guide
- Use with existing TXV in most cases
- ASHRAE A1 safety classification

Note: B73-276 returnable cylinders are subject to deposit unless empty cylinder is returned at time of purchase.

Order #	Mfg. #	Refrig.	Refrig. Type	Tank Size
B73-275	R422D-25	R422D	HFC	25 Lbs.
B73-276	R422D-110	R422D	HFC	110 Lbs.

Chemours



Hazardous Material Shipping Alert

R454B Refrigerant

- Opteon™ XL41 A2L refrigerant is classified as mildly flammable
- Miscible with POE lubricants
- For use in equipment designed for R454B
- Applications include Heat pumps and chillers, Mini-split, multi-split and ducted-split units, window units and portable AC, and PTACs

Order #	Mfg. #	Refrig.	Refrig. Type	Tank Size
B66-856	R454B-20	R454B	HFO	20 Lbs.
B66-857	R454B-90	R454B	HFO	90 Lbs.

Honeywell



Hazardous Material Shipping Alert

R407F Refrigerant

- Long-term, non-ozone depleting replacement for R-22 in various air-conditioning applications particularly in low-temperature applications
- Since Genetron Performax LT is a close match to R-22, it also serves as a retrofit fluid in applications where R-22 is used

Note: B73-299 returnable cylinders are subject to deposit unless empty cylinder is returned at time of purchase.

Order #	Mfg. #	Refrig.	Refrig. Type	Tank Size
B73-298	R407F-25	R407F	HFC	25 Lbs.
B73-299	R407F-115	R407F	HFC	115 Lbs.

Honeywell



Hazardous Material Shipping Alert

R448A Refrigerant

- N40 is a non-flammable, reduced GWP HFO refrigerant
- For new supermarkets or R-404A retrofits
- For low-temperature and medium-temperature refrigeration applications

Order #	Mfg. #	Refrig.	Refrig. Type	Tank Size
B79-468	R448A-25	R448A	HFO	25 Lbs.
B79-469	R448A-100	R448A	HFO	100 Lbs.

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ISCEON® MO99™ Refrigerant

- Replaces R-22 over a wide range of evaporator temperatures
- Lower retrofit costs versus HFC/POE options
- No expansion valve or line set changes
- Eliminates disruptive oil changes
- Compatible with AB, MO and POE lubricants
- Minimizes time spent on control set point adjustments and subsequent service calls



Chemours

Hazardous Material Shipping Alert

Order #	Mfg. #	Refrig.	Refrig. Type	Tank Size
B75-398	R438A-25	R438A	HFC	25 Lbs.
B60-962	R438A-110	—	—	—

ISCEON® MO49Plus™ Refrigerant

- Replaces R-12, and HCFC-containing blends
- Non-ozone-depleting HFC retrofit refrigerant
- Compatible with traditional lubricants
- In most cases, no change of lubricant type is needed
- Applications include food service, supermarket display cases, food storage and processing and domestic refrigerators and freezers



Chemours

Hazardous Material Shipping Alert

Order #	Mfg. #	Refrig.	Refrig. Type	Tank Size
B75-395	R437A-30	R437A	HFC	30 Lbs.

ISCEON® MO79™ Refrigerant

- Replaces R-22, R-502, and HCFC-containing blends
- Easier retrofit than R-404A and R-507
- Non-ozone-depleting HFC
- Compatible with AB, MO and POE lubricants
- In most cases, no change of lubricant type is needed
- Can be topped off during service without removing the entire refrigerant charge after retrofit
- Applications include low temperature commercial and industrial direct expansion refrigeration (can also be used for medium temperature), food service, supermarket display cases, food storage and processing and ice machines



Chemours

Hazardous Material Shipping Alert

Order #	Mfg. #	Refrig.	Refrig. Type	Tank Size
B75-397	R422A-24	R422A	HFC	24 Lbs.

R449A Refrigerant

- Non-ozone depleting, low global warming potential hydrofluoro-olefin based refrigerant replacement for R-404A/R-507, R-407A/F, and R-22 for new equipment and retrofit of existing systems
- Compatible with existing equipment design and lubricants
- Can be topped off after leaks



Chemours

Hazardous Material Shipping Alert

Order #	Mfg. #	Refrig.	Refrig. Type	Tank Size
B79-419	R449A-25	R449A	HFO/HFC	25 Lbs.
B79-420	R449A-110	R449A	HFO/HFC	110 Lbs.

R123 Refrigerant

- For use with centrifugal chillers
- Approved by some manufacturers as an HCFC alternative to R11
- No deposit, no return



Chemours

Order #	Mfg. #	Refrig.	Refrig. Type	Tank Size
B92-419	R123-10	R123	HCFC	100 Lbs.

R32 Refrigerant

NEW

- Forane® 32 A2L refrigerant is classified as mildly flammable
- For use in equipment designed for R32
- Applications include heat pumps and chillers, mini-split, multi-split, and ducted-split units, window units and portable AC, and PTACs
- Uses left hand threaded connection

Note: B68-459 returnable cylinder is subject to deposit unless empty cylinder is returned at time of purchase.



FORANE® REFRIGERANTS

Hazardous Material Shipping Alert

Order #	Mfg. #	Refrig.	Refrig. Type	Tank Size
B64-386	R32-20	R32	HFO	20 Lbs.
B68-459 ◀	R32-95	R32	HFO	95 Lbs.

ICOR INTERNATIONAL

NU-22B™ R-422B Refrigerant



- Non-Ozone Depleting HFC
- Direct replacement for R-22, R-417A, R-407C, R-422D
- Replacement for R-22 in low, medium, and high temperature applications
- Does not require an expensive system oil change
- Compatible with mineral, alkylbenzene and POE oils
- Operating characteristics closely compares to R-22
- ASHRAE safety classified A1 (non-toxic/non-flammable)
- Increased capacity over R-417A
- Also available in 110 lb. cylinders — cylinder deposit required

Hazardous Material Shipping Alert

Order #	Mfg. #	Refrig.	Refrig. Type	Tank Size
B96-592	NUB25	R422B	HFC	25 Lbs.
B60-765	NUB110	—	HFC	—

ICOR INTERNATIONAL

Hot Shot-2™ R-417C Refrigerant



- Ozone safe direct replacement for R-12, R-500, and ozone depleting interim replacements i.e. R-414B (Hot Shot), R-416A, R409A, R401A, R-401B, R420A, R-414A, R-406A
- Can also be used in most R-134A applications
- Hot Shot-2 is not acceptable for use in mobile A/C applications
- Does not require component change
- Compatible with mineral, alkylbenzene, POE oils
- ASHRAE A1 designated (non-toxic and non-flammable)

Hazardous Material Shipping Alert

Order #	Mfg. #	Refrig.	Refrig. Type	Tank Size
B73-147	HS2-25	R417C	HFC	25 Lbs.

Freon™

R452A Refrigerant



- Non-ozone depleting, low global warming potential (GWP) hydrofluoro-olefin (HFO) based refrigerant replacement for R-404A/R-507 in new equipment and retrofit of existing systems
- Compatible with existing equipment design and lubricants
- Opteon™ XP44 offers a near-match to the compressor discharge temperature and mass flow rate of R-404A/R-507, eliminating the need for TXV adjustments

Hazardous Material Shipping Alert

Order #	Mfg. #
B60-963	R452A-25
B60-964	R452A-110

ICOR INTERNATIONAL

One Shot® R-422C Refrigerant



- Non-Ozone Depleting HFC
- Direct replacement for R-502, R-408A, R-402A, R-402B
- Replacement for R-22 in low temperature applications
- Operating characteristics comparable to R-502
- Does not require a system oil change
- Compatible with mineral, alkylbenzene and POE oils
- ASHRAE safety classified A1 (non-toxic/non-flammable)
- 20% lower global warming potential compared to other low temperature HFCs
- Also available in 100 lb. cylinders — cylinder deposit required

Hazardous Material Shipping Alert

Order #	Mfg. #	Refrig.	Refrig. Type	Tank Size
B96-591	OS-24	R422C	HFC	24 Lbs.

Nu-Calgon

EcoPure™ Refrigerants and Charging Systems



- EcoPure Charging Assembly is an integrated charging hose and shut-off valve; It connects to the low side of the system; Use any market scale capable of weighing in grams for precise charging
- EcoPure Charging System is simple, accurate and complete; System provides stable platform for liquid charging into system; Includes integrated charging hose and shut-off valve, precision weigh scale for simplified and accurate charging
- Refrigerant-grade propane (R-290) and isobutane (R-600a); Meets AHRI 700 Standard (99.5% pure); Non-odorized; Re-sealable canister, use contents to completion

Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Refrig.	Refrig. Type	Each
B87-804	4175-10	EcoPure Charging Assembly	—	—	**135.00**
B87-805	4175-11	EcoPure Refrigerant Charging System	—	—	**389.00**
B87-806	4175-21	Hydrocarbon 10.6 Oz	R290 Refrigerant	HC	**65.00**
B87-807	4175-31	Hydrocarbon 10.6 Oz	R600A Refrigerant	HC	**65.00**

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Refrigerant Labels

- Color-coded, self-adhesive
- Environmental safety notice (**B12-008**) for use when discarding old, unrepairable equipment





Order #	Mfg. #	For Use With	Type	Color	Size	Pkg. Qty.	Each
B11-900	04022	R22	Refrigerant	Green	3" x 4"	10	**30.99**
B11-994	04134	R134a	Refrigerant	Sky Blue	3" x 4"	10	**30.49**
B21-506	04402	R402A	Refrigerant	White	3" x 4"	10	**30.49**
B12-342	04404	R404A	Refrigerant	Bright Orange	3" x 4"	10	**30.49**
B13-007	04407	R407C	Refrigerant	Caramel	3" x 4"	10	**30.49**
B13-008	04410	R410A	Refrigerant	Lavender	3" x 4"	10	**30.49**
B21-505	04099	R438A	Refrigerant	Blue	3" x 4"	10	**31.49**
B12-008	04850	Removal	Equipment	White	5" x 6"	10	**29.99**

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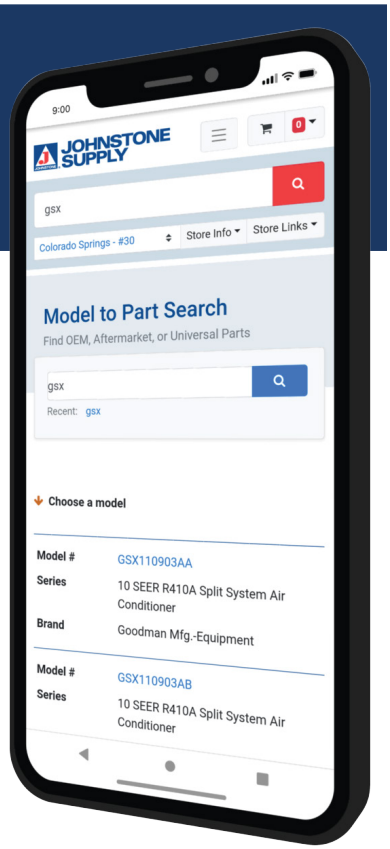


TEV'S BULB LOCATION

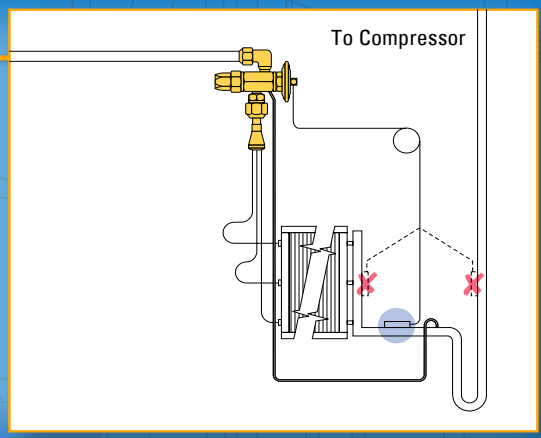
Where should the TEV's builb be located?

In general, the TEV bulb should be installed on a straight section of horizontal suction line.

When the compressor is above the evaporator

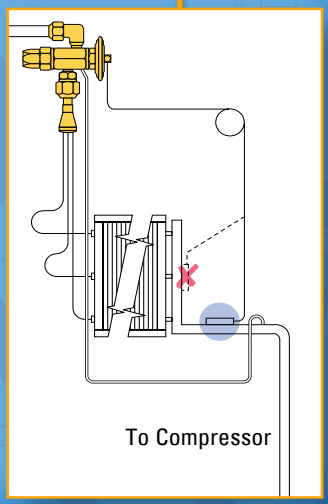
Locate the bulb on a straight, horizontal line, pitched slightly down, immediately after it leaves the evaporator.

A short trap should follow before the vertical line rises to be connected to the compressor suction. With the line pitched down, any liquid refrigerant and/or oil will pass into the trap, away from the bulb. As the trap fills with oil, the velocity of the refrigerant will carry the trapped oil into the vertical section and be returned to the compressor.



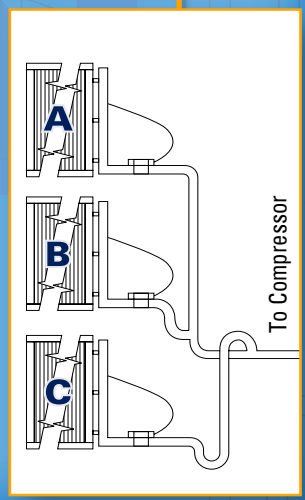
When the compressor is below the evaporator

In this piping configuration, no trap is required after the bulb location, but the line should be pitched slightly down to prevent any liquid refrigerant or oil from being trapped at the bulb location.



When several evaporators are installed both below and above the common suction line

Observing the same principles outlined above, the piping should be arranged to prevent the accumulation of oil and/or refrigerant at the bulb location. Also, traps installed in the suction lines of evaporators **B** and **C** prevent the refrigerant from one evaporator from entering the suction line of another evaporator.



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Temperature Pressure Chart

°F	R-22	R-410A	R-12	R-134a	R-404A	R-507A	R-407A	R-407C	R-427A	R-422B	R422D
-48	***4.8***	***6.0***	***14.6***	***18.0***	***1.3***	***1.7***	***7.7***	***9.8***	***10.2***	***10.3***	***7.9***
-44	***2.0***	**8.3**	***12.9***	***16.5***	**3.0**	**3.5**	***5.0***	***7.3***	***7.8***	***8***	***5.3***
-40	0.6	**10.8**	***11.0***	***14.8***	**4.9**	**5.4**	***2.0***	***4.6***	***5.1***	***5.4***	***2.3***
-36	2.2	**13.4**	***8.9***	***13.0***	**7.0**	**7.5**	0.6	***1.6***	***2.2***	***2.6***	0.4
-32	4.0	**16.3**	***6.7***	***10.9***	**9.2**	**9.8**	2.3	0.8	0.5	0.2	2.1
-28	5.9	**19.4**	***4.3***	***8.7***	**11.5**	**12.2**	4.2	2.5	2.2	1.9	3.9
-24	8.0	**22.7**	***1.7***	***6.3***	**14.1**	**14.8**	6.3	4.4	4.0	3.7	5.9
-20	10.2	**26.3**	0.5	***3.7***	**16.8**	**17.6**	8.5	6.5	6.0	5.7	8.1
-16	12.6	**30.2**	2.0	***0.8***	**19.8**	**20.6**	10.9	8.7	8.2	7.8	10.4
-12	15.2	**34.3**	3.6	1.1	**22.9**	**23.8**	13.5	11.1	10.5	10.1	12.9
-8	17.9	**38.7**	5.3	2.8	**26.3**	**27.3**	16.3	13.7	13.0	12.5	15.6
-4	20.9	**43.4**	7.2	4.6	**29.8**	**30.9**	19.3	16.4	15.7	15.2	18.5
0	24.0	**48.4**	9.1	6.5	**33.7**	**34.8**	22.5	19.4	18.7	18.0	21.7
2	25.7	**51.1**	10.1	7.5	**35.7**	**36.9**	24.2	21.0	20.2	19.5	23.3
4	27.4	**53.8**	11.2	8.5	**37.7**	**39.0**	26.0	22.6	21.8	21.1	25.0
6	29.2	**56.6**	12.3	9.6	**39.8**	**41.1**	27.8	24.3	23.4	22.7	26.7
8	31.0	**59.5**	13.4	10.8	**42.0**	**43.4**	29.7	26.1	25.1	24.4	28.5
10	32.8	**62.4**	14.6	11.9	**44.3**	**45.7**	31.6	27.9	26.9	26.1	30.4
12	34.8	**65.5**	15.8	13.1	**46.6**	**48.1**	33.6	29.8	28.7	27.8	32.3
14	36.8	**68.6**	17.0	14.4	**49.0**	**50.5**	35.7	31.7	30.6	29.7	34.3
16	38.8	**71.9**	18.3	15.7	**51.5**	**53.0**	37.8	33.7	32.5	31.6	36.4
18	40.9	**75.2**	19.6	17.0	**54.0**	**55.6**	40.0	35.7	34.5	33.5	38.5
20	43.1	**78.7**	21.0	18.4	**56.6**	**58.3**	42.3	37.9	36.6	35.5	40.7
22	45.3	**82.2**	22.4	19.9	**59.3**	**61.0**	44.7	40.1	38.7	37.6	42.9
24	47.6	**85.8**	23.8	21.3	**62.0**	**63.8**	47.1	42.3	40.9	39.7	45.2
26	50.0	**89.6**	25.3	22.9	**64.8**	**66.7**	49.6	44.7	43.2	41.9	47.6
28	52.4	**93.4**	26.8	24.5	**67.8**	**69.7**	52.2	47.1	45.6	44.2	50.1
30	55.0	**97.4**	28.4	26.1	**70.7**	**72.7**	54.8	49.6	48.0	46.6	52.6
32	57.5	**101.4**	30.0	27.8	**73.8**	**75.9**	57.6	52.1	50.5	49.0	55.2
34	60.2	**105.6**	31.7	29.5	**77.0**	**79.1**	60.4	54.8	53.0	51.5	57.9
36	62.9	**109.9**	33.4	31.3	**80.2**	**82.4**	63.3	57.5	55.7	54.0	60.6
38	65.7	**114.3**	35.1	33.1	**83.5**	**85.8**	66.3	60.3	58.4	56.7	63.5
40	68.6	**118.8**	36.9	35.0	**86.9**	**89.2**	69.4	63.2	61.2	59.4	66.4
42	71.5	**123.4**	38.7	37.0	**90.4**	**92.8**	72.5	66.1	64.1	62.1	69.4
44	74.5	**128.2**	40.6	39.0	**94.0**	**96.5**	75.8	69.2	67.0	65.0	72.5
46	77.6	**133.0**	42.6	41.1	**97.6**	**100.2**	79.1	72.3	70.1	67.9	75.6
48	80.8	**138.0**	44.6	43.2	**101.4**	**104.1**	82.6	75.5	73.2	71.0	78.9
50	84.1	**143.2**	46.6	45.4	**105.3**	**108.0**	86.1	78.8	76.4	74.1	82.2
52	87.4	**148.4**	48.7	47.7	**109.2**	**112.0**	**108.2**	**101.7**	**97.2**	**88.6**	**96.1**
56	94.4	**159.3**	53.1	52.4	**117.4**	**120.4**	**116.5**	**109.6**	**104.8**	**95.6**	**103.6**
60	101.6	**170.7**	57.6	57.4	**126.0**	**129.2**	**125.2**	**118.0**	**112.8**	**103.0**	**111.4**
64	109.3	**182.7**	62.4	62.7	**135.0**	**138.4**	**134.3**	**126.7**	**121.1**	**110.7**	**119.6**
68	117.3	**195.3**	67.5	68.2	**144.4**	**148.0**	**143.9**	**135.8**	**129.9**	**118.8**	**128.1**
72	125.7	**208.4**	72.7	74.1	**154.3**	**158.1**	**153.9**	**145.4**	**139.0**	**127.3**	**137.1**
76	134.5	**222.2**	78.2	80.2	**164.6**	**168.6**	**164.4**	**155.4**	**148.6**	**136.1**	**146.5**
80	143.6	**236.5**	84.0	86.7	**175.4**	**179.6**	**175.3**	**165.8**	**158.6**	**145.4**	**156.3**
84	153.2	**251.6**	90.0	93.5	**186.7**	**191.1**	**186.7**	**176.8**	**169.1**	**155.1**	**166.5**
88	163.2	**267.3**	96.3	100.6	**198.4**	**203.1**	**198.7**	**188.2**	**180.1**	**165.2**	**177.2**
92	173.7	**283.6**	102.9	108.1	**210.7**	**215.6**	**211.1**	**200.1**	**191.5**	**175.7**	**188.4**
96	184.6	**300.7**	109.8	115.9	**223.4**	**228.7**	**224.1**	**212.5**	**203.4**	**186.7**	**200.0**
100	195.9	**318.6**	116.9	124.2	**236.8**	**242.3**	**237.7**	**225.5**	**215.8**	**198.2**	**212.2**
104	207.7	**337.1**	124.4	132.8	**250.6**	**256.5**	**251.7**	**239.0**	**228.7**	**210.2**	**224.8**
108	220.0	**356.5**	132.1	141.7	**265.1**	**271.2**	**266.4**	**253.0**	**242.1**	**222.6**	**237.9**
112	232.8	**376.6**	140.2	151.1	**280.1**	**286.6**	**281.6**	**267.6**	**256.1**	**235.6**	**251.6**
116	246.1	**397.6**	148.6	160.9	**295.8**	**302.6**	**297.5**	**282.8**	**270.7**	**249.1**	**265.9**
120	260.0	**419.4**	157.3	171.2	**312.1**	**319.2**	**314.0**	**298.6**	**285.8**	**263.1**	**280.7**
124	274.3	**442.1**	166.3	181.8	**329.0**	**336.5**	**331.1**	**315.0**	**301.5**	**277.7**	**296.0**
128	289.2	**465.8**	175.7	193.0	**346.6**	**354.5**	**348.8**	**332.0**	**317.8**	**292.8**	**312.0**
132	304.7	**490.3**	185.5	204.6	**364.9**	**373.2**	**367.2**	**349.7**	**334.7**	**308.6**	**328.6**
136	320.7	**515.9**	195.6	216.7	**383.9**	**392.7**	**386.4**	**368.0**	**352.3**	**324.9**	**345.8**
140	337.4	**542.5**	206.0	229.2	**403.7**	**413.0**	**406.2**	**387.0**	**370.5**	**341.8**	**363.7**
144	354.6	**570.2**	216.9	242.3	**424.3**	**434.1**	**426.7**	**406.6**	**389.3**	**359.4**	**382.3**
148	372.5	**599.0**	228.1	255.9	**445.8**	**456.1**	**448.0**	**427.0**	**408.9**	**377.7**	**401.5**

Black = Vapor PSIG **Black Bold = Liquid PSIG** ***Black Bold Italic = Vacuum***

Refrigerant Journals



- EPA compliance at low cost
- Purchase, disposal, and unintentional venting logs included
- Monitors use, recovery, purchase and disposal of all your refrigerant
- Technician Refrigerant Journal™ services one technician for all refrigerant related calls
- Master Refrigerant Journal™ is a one source summary for all the technician's journals; serves as a back-up copy of the technician's journals
- Journal Starter Pack comes complete with four Technician Journals and one Master Journal

Order #	Mfg. #	Description	Each
G37-744	SSJ1	Technician Journal	**40.99**
G37-745	SSJ2	Master Journal	**69.00**
G37-746	SSJ3	Journal Starter Pack	**185.00**

EPA Section 608 Preparatory Manuals



- Prepare for the Universal EPA Section 608 examination
- Revised to include all new regulatory changes
- The 28-page manual is clear, concise and helps achieve a leading pass rate
- Inquire about paper and/or online testing at your local store

Order #	Mfg. #	Description	Each
B21-169	608PM9	EPA Section 608 Preparatory Manual	**35.49**
B21-170	608SPM9	EPA Section 608 Preparatory Manual (Spanish)	**35.49**

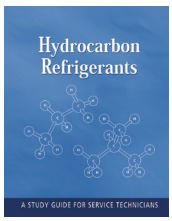
EPA Section Qwik608® Study Course and Exams



- Provides a comprehensive method of training for required certification of HVACR technicians
- EPA approved organization
- Two day turnaround upon receipt, express service available or available as electronic online exam

Order #	Mfg. #	Description	Each
B13-041	QT3000	Qwik608® — English (includes: "Field Reference Manual" and "QwikStudy™ Guide", software download code for EPA Section 608 interactive software, streamable Video, and downloadable or streamable Audio study materials) with paper test	**285.00**
B13-042	QT3001	Qwik608® — EPA Test Only: English Paper Test Only	**179.00**
B18-827	QT3004	Qwik608® — Spanish (includes: "Field Reference Manual" and "QwikStudy™ Guide", software download code for EPA Section 608 interactive software, streamable Video, and downloadable or streamable Audio study materials) with paper test	**385.00**
B18-828	QT3002	Qwik608® — EPA Test Only: Spanish Paper Test Only	**199.00**
B15-370	QT3008	Qwik608® — EPA Test Only: Online QwikTest Only (bilingual)	**175.00**
B21-521	QT3009	Qwik608® — English (includes: "Field Reference Manual" and "QwikStudy Guide", software download code for EPA Section 608 interactive software, streamable Video, and downloadable or streamable Audio study materials) with online QwikTest	**275.00**

Hydrocarbon Refrigerants Study Guide for Service Technicians



- Provides helpful training to assist technicians in understanding the requirements of safely maintaining and servicing systems with flammable refrigerants
- Covers all refrigerants approved for use in specific applications under the EPA's Significant New Alternatives Policy (SNAP)
- Topics include EPA regulations, UL standards, safety issues, refrigerant properties and service procedures

Order #	Mfg. #	Each
G37-510	HCRSESPM3	**179.00**

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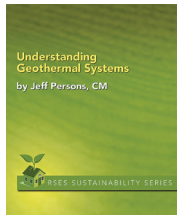
Understanding Geothermal Series

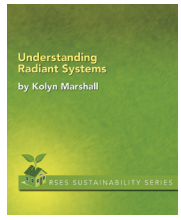
- Provides best practices guide for design, installation and maintenance of geothermal systems
- **G36-747** topics include open and closed loop applications, subsurface geology, loop design, water chemistry, antifreeze solutions, system installation and controls
- **G36-804** topics include heat pump fundamentals, systems, principles, compressors, flow controls and accessories, electrical systems and components, thermostats, supplemental electric heat, water-source heat pump systems, heat pump piping and troubleshooting water-source heat pumps
- **G36-805** topics include heat pump fundamentals, project planning, loop design, piping, excavation, installation, equipment connection, air removal methods, testing, freeze protection, backfilling and project completion



Order #	Mfg. #	Description	Each
G36-747	RSESUGS	Understanding Geothermal Systems	**169.00**
G36-804	RSESUGHPF	Understanding Geothermal Heat Pump Fundamentals	**169.00**
G36-805	RSESUGGHE	Understanding Geothermal Ground Heat Exchangers	**169.00**

Understanding Radiant Systems

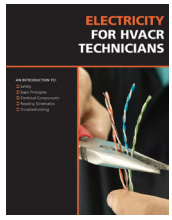
- Provides comprehensive reference for design, installation and maintenance of radiant systems
- Learn how common construction changes can impact operation and how to optimize performance
- Topics include system design, control strategies, water quality and troubleshooting
- Author Kolyn Marshall has over 18 years radiant field experience



Order #	Mfg. #	Each
G36-748	RSEURS	**125.00**

Electricity for HVACR Technicians

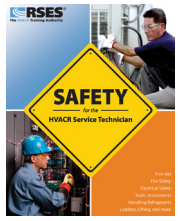
- Nearly 400 pages of in-depth electrical training specific to HVACR technicians
- Topics include fundamentals of electricity, safety, troubleshooting and understanding schematics
- Includes several foldout schematic and troubleshooting diagrams



Order #	Mfg. #	Each
G36-749	RSESEHT	**305.00**

Safety for the HVACR Service Technician

- Designed to provide a single source for safety information specific to HVACR technicians
- Topics include jobsite safety, personal protection equipment, fan safety, cylinder handling, soldering, brazing, welding, fire safety, material handling and first aid



Order #	Mfg. #	Each
G36-750	RSESSHST	**139.00**

Troubleshooting and Servicing Modern Air Conditioning and Refrigeration Systems

- Topics include systematic troubleshooting, diagnosing air conditioning systems, alternative refrigerants, leak detection, etc.
- Softcover; 282 pages



Order #	Mfg. #	Each
G32-236	TSMAC	**119.00**

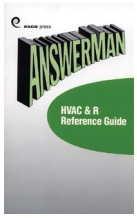
Low GWP Refrigerant Safety Manual

- Comprehensive guide on low global warming potential (GWP) refrigerants
- Reviews safety, proper installation and service and explanation of associated codes and standards
- 90 pages



Order #	Mfg. #	Each
G38-350	LGRSPM	**89.00**

esco institute

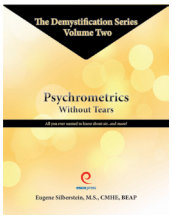


AnswerMan HVACR Pocket Reference

- An incredible amount of information and knowledge in a book that will fit in your pocket
- Covers nearly any topic, including conversion tables, piping charts, math tables, electrical tables, chemical tables and formulas, air/gas tables, properties of materials, etc.
- Softcover; 149 pages

Order #	Mfg. #	Each
G32-241	AMREF	36.49

esco institute



Psychrometrics Without Tears Manual

- Designed for the service tech to aid in troubleshooting, evaluation and start up processes
- Reviews and explains the psychrometric chart
- Covers advanced topics such as sensible heat ratio, bypass factor and dew point temperatures
- Additional sections on system airflow/ balancing, formulas, system review and ventilation/economizing

Order #	Mfg. #	Each
G37-391	PSYWTPM	169.00

esco institute

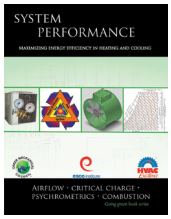


Pressure Enthalpy Without Tears Manual

- Designed for the service tech to aid in troubleshooting, evaluation and start up processes
- Reviews and explains the pressure enthalpy chart
- Covers superheat, subcooling and the pressure/temperature relationship
- Additional sections on plotting systems, calculating system capacity/efficiency and common issues in the field

Order #	Mfg. #	Each
G37-390	PEWTPM	169.00

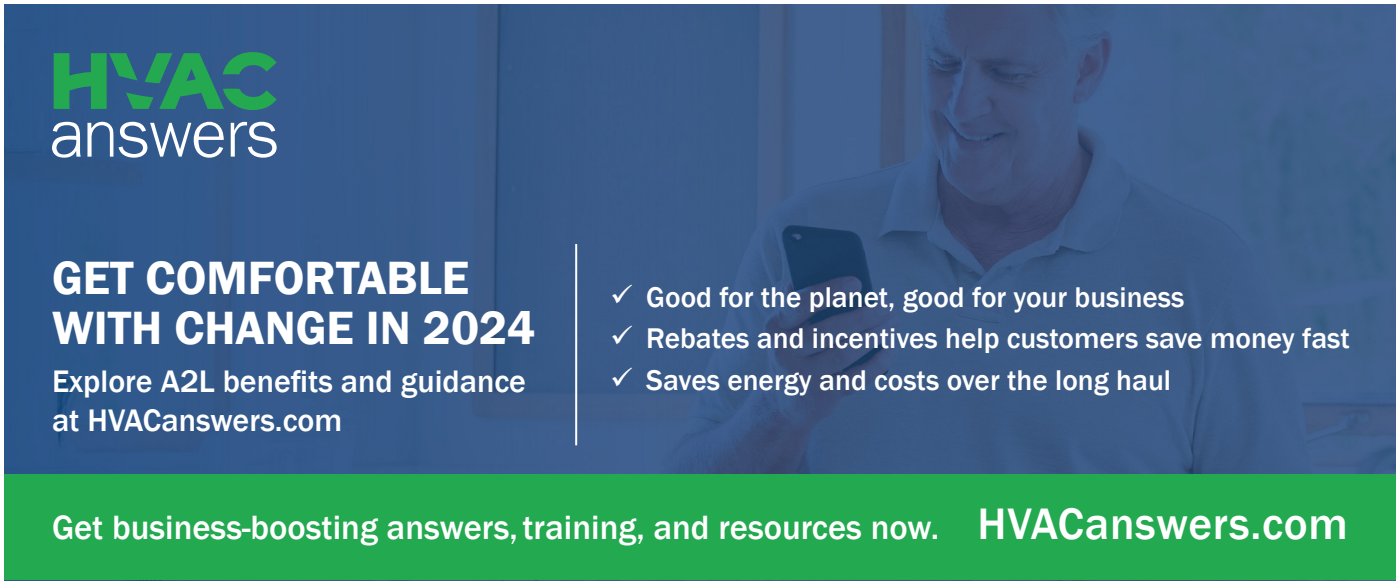
esco institute



System Performance: Maximizing Energy Efficiency

- Explains the proper techniques and procedures to verify and optimize HVAC system performance
- Covers airflow, critical charging procedures, psychrometrics and combustion efficiency
- Prepares readers for taking the online System Performance Certification exam

Order #	Mfg. #	Each
G37-392	SPVPM	135.00



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Dual Element Cartridge Fuses

COOPER Bussmann

- For circuit protection use – same size as ordinary fuses
- Long time lag prevents useless shutdowns caused by ordinary fuses opening on starting currents or other harmless overloads
- For motor protection use size about 125% of motor running current
- On normal installations guards motor against burnout from overloads or single phasing, reduces heating in switches and panels
- Operates cooler than any other type fuse, prevents needless blows and heat damage
- Rejection type


A


B



C



D

Fig.	Order #	Mfg. #	Length	Diam.	Type	Amps	Volts	Pkg. Qty.	Each	10 Lot	50 Lot
A	**G31-522**	ECNR15	2"	9/16"	Class RK5	15	250	10	**13.49**	**11.99**	**10.99**
A	**G31-523**	ECNR20	2"	9/16"	Class RK5	20	250	10	**10.99**	**9.75**	**8.85**
A	**G31-524**	ECNR25	2"	9/16"	Class RK5	25	250	10	**10.99**	**9.75**	**8.85**
A	**G31-525**	ECNR30	2"	9/16"	Class RK5	30	250	10	**9.69**	**8.75**	**7.95**
A	**G31-540**	ECNR35	3"	13/16"	Class RK5	35	250	10	**17.49**	**15.99**	**14.49**
A	**G31-526**	ECNR40	3"	13/16"	Class RK5	40	250	10	**17.49**	**15.99**	**14.49**
A	**G31-541**	ECNR45	3"	13/16"	Class RK5	45	250	10	**17.49**	**15.99**	**14.49**
A	**G31-527**	ECNR50	3"	13/16"	Class RK5	50	250	10	**17.49**	**15.99**	**14.49**
A	**G31-528**	ECNR60	3"	13/16"	Class RK5	60	250	10	**17.49**	**15.99**	**14.49**
B	**G31-529**	ECNR10	5-7/8"	1-1/16"	Class RK5	100	250	5	**59.00**	**55.00**	**48.49**
A	**G31-816**	ECSR15	5"	13/16"	Class RK5	15	600	10	**26.99**	**24.49**	**22.49**
A	**G31-817**	ECSR20	5"	13/16"	Class RK5	20	600	10	**26.99**	**24.49**	**22.49**
C	**G36-637**	ECSR25	5"	13/16"	Class RK5	25	600	10	**26.99**	**24.49**	**22.49**
A	**G31-818**	ECSR30	5"	13/16"	Class RK5	30	600	10	**26.99**	**24.49**	**22.49**
D	**G36-638**	ECSR35	5-1/2"	1-1/16"	Class RK5	35	600	10	**46.49**	**41.99**	**37.99**
A	**G31-819**	ECSR40	5-1/2"	1-1/16"	Class RK5	40	600	10	**46.49**	**41.99**	**37.99**
D	**G36-643**	ECSR45	5-1/2"	1-1/16"	Class RK5	45	600	10	**46.49**	**41.99**	**37.99**
A	**G31-820**	ECSR50	5-1/2"	1-1/16"	Class RK5	50	600	10	**41.99**	**37.99**	**34.49**
A	**G31-821**	ECSR60	5-1/2"	1-1/16"	Class RK5	60	600	10	**46.49**	**41.99**	**37.99**
B	**G31-822**	ECSR10	7-7/8"	1-5/16"	Class RK5	100	600	5	**99.00**	**89.00**	**79.00**

Non-Renewable Cartridge Fuses

COOPER Bussmann

- **G21-624** is knife blade type

Fig.	Order #	Mfg. #	Length	Diam.	Amps	Volts	Each	50 Lot
A	**G21-616**	Non-20	2"	9/16"	20	250	**6.55**	**5.85**
A	**G21-618**	Non-30	2"	9/16"	30	250	**5.85**	**5.19**
A	**G21-620**	Non-40	3"	13/16"	40	250	**10.49**	**9.05**
A	**G21-622**	Non-50	3"	13/16"	50	250	**8.55**	**7.59**
A	**G21-623**	Non-60	3"	13/16"	60	250	**10.49**	**9.25**
B	**G21-624**	Non-100	5-7/8"	1-1/16"	100	250	**40.99**	**36.49**



A


B

HVAC Fuse Kit

COOPER Bussmann

- Sturdy polypropylene storage case with adjustable compartments kit contains:
- Ten each: **G31-525** (HAC-R-30)
- Five each: **G32-189** (ATC-3), **G32-043** (ATC-5) and **G31-528** (HAC-R-60)
- Two each: **G31-522** (HAC-R-15), **G31-523** (HAC-R-20), **G31-524** (HAC-R-25), **G31-540** (HAC-R-35), **G31-526** (HAC-R-40), **G31-527** (HAC-R-50), **G31-518** (SC-15) and **G31-294** (HMJ fuse holder)
- One each: **G31-167** (SL-15 pack of 4), **G31-494** (#263 pair of fuse reducers) and **H24-622** (FP-2 fuse puller)



Order #	Mfg. #	Each
G80-071	ERK-28J	**1099.00**

COOPER Bussmann

Cartridge Fuse Puller



- Remove cartridge fuses safely 13/32" to 13/16" diameter
- Affords complete insulation and safety
- Durable impact-resistant, high-strength polycarbonate

Order #	Mfg. #	Each
H24-622	FP-2	**59.00**

COOPER Bussmann

Cartridge Fuses

- 13/32" diameter
- **H24-868** Lighting, Appliance, Motor Branch Circuit



A B C D E

Fig.	Order #	Mfg. #	Length	Diam.	Type	Amps	Volts	Each	10 Lot	50 Lot
A	**G31-505**	FNQ-R-1	1-1/2"	13/32"	Time Delay – CC-Rejection	1	600	**65.00**	**55.00**	**48.99**
A	**G31-506**	FNQ-R-3	1-1/2"	13/32"	Time Delay – CC-Rejection	3	600	**65.00**	**55.00**	**49.99**
A	**G31-507**	FNQ-R-5	1-1/2"	13/32"	Time Delay – CC-Rejection	5	600	**65.00**	**55.00**	**49.99**
A	**G31-508**	FNQ-R-10	1-1/2"	13/32"	Time Delay – CC-Rejection	10	600	**69.00**	**59.00**	**55.00**
A	**G37-445**	FNQ-R-15	1-1/2"	13/32"	Time Delay – CC-Rejection	15	600	**55.00**	**48.99**	**44.49**
A	**G37-446**	FNQ-R-20	1-1/2"	13/32"	Time Delay – CC-Rejection	20	600	**69.00**	**65.00**	**59.00**
A	**G37-447**	FNQ-R-30	1-1/2"	13/32"	Time Delay – CC-Rejection	30	600	**69.00**	**65.00**	**59.00**
B	**G31-509**	FNQ-15	1-1/2"	13/32"	Time Delay	15	500	**65.00**	**55.00**	**48.99**
C	**G31-510**	FNQ-20	1-1/2"	13/32"	Time Delay	20	500	**65.00**	**55.00**	**48.99**
A	**G31-511**	KTK-R-1	1-1/2"	13/32"	Fast Acting – CC-Rejection	1	600	**49.99**	**44.99**	**40.99**
A	**G31-512**	KTK-R-3	1-1/2"	13/32"	Fast Acting – CC-Rejection	3	600	**59.00**	**55.00**	**46.49**
A	**G31-513**	KTK-R-5	1-1/2"	13/32"	Fast Acting – CC-Rejection	5	600	**59.00**	**55.00**	**46.49**
A	**G31-514**	KTK-R-10	1-1/2"	13/32"	Fast Acting – CC-Rejection	10	600	**49.99**	**44.99**	**40.99**
A	**G31-515**	KTK-R-15	1-1/2"	13/32"	Fast Acting – CC-Rejection	15	600	**49.99**	**44.99**	**40.99**
A	**G31-516**	KTK-R-20	1-1/2"	13/32"	Fast Acting – CC-Rejection	20	600	**49.99**	**44.99**	**40.99**
B	**G31-517**	SC-10	1-5/16"	13/32"	Time Delay – Class G	10	600	**25.99**	**23.49**	**21.49**
B	**G31-518**	SC-15	1-5/16"	13/32"	Time Delay – Class G	15	600	**18.99**	**16.99**	**15.49**
C	**G31-519**	SC-20	1-13/32"	13/32"	Time Delay – Class G	20	600	**20.99**	**18.99**	**16.99**
D	**G31-520**	SC-30	1-5/8"	13/32"	Time Delay – Class G	30	480	**38.49**	**34.49**	**31.49**
E	**G31-521**	SC-60	2-1/4"	13/32"	Time Delay – Class G	60	480	**49.99**	**44.99**	**40.99**
B	**H24-868**	BBS1	1-3/8"	13/32"	Fast Acting Supplementary	1	600	**22.49**	**19.99**	**18.49**

COOPER Bussmann

Glass and Ceramic Tube Fuses

- Pricing is per package



Order #	Mfg. #	Description	Length	Diam.	Type	Amps	Volts	Pkg. Qty.	Each	10 Lot	50 Lot
H24-759	GDA-630MA	Fast Acting	0.788"	0.197"	Ceramic	630m	250	1	**10.99**	**9.59**	**8.69**
G31-894	ABC-10-R	Fast Acting	1-1/4"	1/4"	Ceramic	10	250	5	**26.99**	**24.49**	**21.99**
G31-316	ABC-15-R	Fast Acting	1-1/4"	1/4"	Ceramic	15	250	5	**26.99**	**24.49**	**21.99**
G31-317	ABC-20-R	Fast Acting	1-1/4"	1/4"	Ceramic	20	250	5	**41.99**	**37.49**	**33.49**
G32-363	MDA-10-R	Time Delay	1-1/4"	1/4"	Ceramic	10	250	5	**59.00**	**55.00**	**46.99**
G32-364	MDA-15-R	Time Delay	1-1/4"	1/4"	Ceramic	15	250	5	**59.00**	**55.00**	**46.99**
G32-365	MDA-20-R	Time Delay	1-1/4"	1/4"	Ceramic	20	250	5	**65.00**	**59.00**	**49.99**
G31-318	AGC-1/4-R	Fast Acting	1-1/4"	1/4"	Glass	1/4	250	5	**19.49**	**17.49**	**15.99**
G31-258	AGC-1/2-R	Fast Acting	1-1/4"	1/4"	Glass	1/2	250	5	**13.49**	**11.99**	**9.15**
H24-332	AGC-1-R	Fast Acting	1-1/4"	1/4"	Glass	1	250	5	**12.49**	**11.49**	**10.49**
G31-321	AGC-1-1/2-R	Fast Acting	1-1/4"	1/4"	Glass	1-1/2	250	5	**12.99**	**11.49**	**10.49**
G31-322	AGC-2-R	Fast Acting	1-1/4"	1/4"	Glass	2	250	5	**11.99**	**10.49**	**9.35**
G31-323	AGC-3-R	Fast Acting	1-1/4"	1/4"	Glass	3	250	5	**9.65**	**8.59**	**7.79**
G31-324	AGC-4-R	Fast Acting	1-1/4"	1/4"	Glass	4	250	5	**11.99**	**10.49**	**9.35**
G31-546	AGC-5-R	Fast Acting	1-1/4"	1/4"	Glass	5	250	5	**11.99**	**10.49**	**8.05**
G31-332	AGC-10-R	Fast Acting	1-1/4"	1/4"	Glass	10	250	5	**12.49**	**10.99**	**8.35**
G31-333	AGC-15-R	Fast Acting	1-1/4"	1/4"	Glass	15	32	5	**12.49**	**10.99**	**8.35**
G31-334	AGC-20-R	Fast Acting	1-1/4"	1/4"	Glass	20	32	5	**12.49**	**10.99**	**8.35**

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Glass Tube Fuses

- Fast acting
- Standard size
- 25 count crystal-clear clamshell package with hanging hole
- Includes a re-sealable plastic pouch



Order #	Mfg. #	Description	Each
G36-441	ZFG03	3 Amp	**38.49**
G36-442	ZFG05	5 Amp	**38.49**

Clear Window Fuses

- Clear window plus positive dead short and overload indicator makes it easy to locate burned out fuses
- Pricing is per package



Order #	Mfg. #	Description	Amps	Volts	Pkg. Qty.	Each	10 Lot
G32-193	TL-15	Time Delay	15	125	4	**24.49**	**21.49**
G32-194	TL-20	Time Delay	20	125	4	**26.99**	**23.99**
G32-195	TL-30	Time Delay	30	125	4	**24.49**	**21.49**

Non-Tamp Type S Time Delay Fuses

- Clear top shows when blown
- Color coded for easy identification
- 3.2 and 6.25A for heat pumps
- Pricing is per package



A



B

Fig.	Order #	Mfg. #	Amps	Pkg. Qty.	Each	10 Lot	50 Lot
A	**G31-165**	S-3-2/10	3.20	4	**195.00**	**175.00**	**159.00**
A	**G31-166**	S-6-1/4	6.25	4	**179.00**	**159.00**	**145.00**
A	**G31-189**	S-8	8.00	4	**199.00**	**179.00**	**165.00**
A	**G31-190**	S-10	10.00	4	**175.00**	**155.00**	**139.00**
B	**G31-167**	SL-15	15.00	4	**22.99**	**20.49**	**18.49**
B	**G31-168**	SL-20	20.00	4	**23.49**	**20.99**	**18.49**
B	**G31-170**	SL-30	30.00	4	**32.49**	**28.49**	**25.99**

Fustat Fuse Adapter

- Pricing is per package
- Accepts tamper-resistant type S fuses



Order #	Mfg. #	For Use With	Pkg. Qty.	Each	10 Lot
G31-271	SA-15	7, 8, 9, 10, 12, 14 & 15A	4	**95.00**	**85.00**

Plug/Fuse Box Cover Units

- Fits standard handy box for furnace, boiler, motor and tool protection



A



B

Fig.	Order #	Mfg. #	Description	Each	5 Lot	10 Lot
A	**G31-498**	BP-SSU	Fused Switch	**75.00**	**69.00**	**65.00**
B	**G32-188**	BP-SRU	Fused Receptacle	**69.00**	**59.00**	**55.00**

ATC Blade Type Fuses

- Non-time-delay type
- Totally enclosed fuse link confines arc
- For mounting in specially designed fuse blocks for furnace circuit boards and automobiles



Order #	Mfg. #	Description	Each	10 Lot	20 Lot
G32-189	ATC-3	3A Fuse	**3.55**	**3.15**	**2.85**
G32-043	ATC-5	5A Fuse	**2.95**	**2.65**	**2.35**

Plastic Blade Fuses



- Standard size
- 25 count crystal-clear clamshell package with hanging hole
- Includes a re-sealable plastic pouch

Order #	Mfg. #	Description	Each
G36-433	ZFP03	3 Amp	38.49
G36-434	ZFP05	5 Amp	38.49
G36-435	ZFPAS	Assorted Amps	38.49

Z-Breaker - Circuit Breaker Sets



- Sets include wires with pre-installed terminals that allow easily plug it into the connectors where a plastic-type fuse existed
- Protects the systems that you install or service from damage caused by shorts, overheating, or wiring problems

Order #	Mfg. #	Description	Each
G36-438	ZK003	Z Breaker- Circuit Breaker Set, 3 Amp	36.49
G36-439	ZK005	Z Breaker- Circuit Breaker Set, 5 Amp	36.49

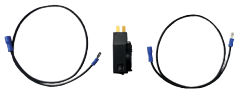
Li'L Popper Control Circuit Tester



- Insert into the fuse receptable in place of a standard fuse
- Allows system testing or service work without blowing fuses
- Simply press the button to reset the device

Order #	Mfg. #	Description	Each
G33-039	POP3	3A Control Circuit Tester	31.99
G33-040	POP5	5A Control Circuit Tester	31.99

Fuse Pro



- Plugs into PC board on furnaces, boilers, air handlers and anything with a printed circuit board
- Auxiliary wires for more applications
- Built-in light for dark, hard to reach areas
- For low voltage circuit testing without wasting fast-blow fuses
- Not for permanent use; Does not replace a factory accepted fuse

Order #	Mfg. #	Description	Each
G37-734	BRK3	3A Control Circuit Tester	35.49
G37-735	BRK5	5A Control Circuit Tester	35.49

Tattle Tale™ Control Monitors



- Red flag pops up when a control opens in response to a malfunction
- Saves hours of time when troubleshooting
- Disposable after one use
- Use for monitoring safety controls and switches, fuses and fusible links, motor protectors, freeze controls and more
- Not to be used with lockout relays or operating controls

Order #	Mfg. #	Volts	Pkg. Qty.	Each
B12-015	TT-24	24	3	65.00
B12-016	TT-120	120	3	59.00
B12-017	TT-240	240	3	65.00

Special Heat Pump Fuses



- Pricing is per package

Order #	Mfg. #	Description	Type	Amps	Pkg. Qty.	Each	10 Lot	50 Lot
G31-259	GLR1-6/10	Fast Acting	Glass	1-6/10	5	69.00	59.00	55.00
G31-260	GMQ3-2/10	Time Delay	Glass	3-2/10	1	26.99	24.49	21.99

In-Line Fuse Holder



- Holder with fuse and wire leads
- Maximum current rating 20A
- Features bayonet type knob and 8" leads with #14AWG wire

Order #	Mfg. #	Each	10 Lot	50 Lot
G31-294	HMJ	18.49	15.49	13.49

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Fuse Holders

- 15A, standard size
- **G36-431** is for ATO/ATC type fuses
- **G36-432** is for Mini type fuses
- Fuse holder kits include 4 fuseholders, 2-3A fuses, 2-5A fuses and 4 crimp connectors



Order #	Mfg. #	Description	Each
G36-431	ZFH01	Plastic Medium-Duty	**38.49**
G36-432	ZFH02	Glass Medium-Duty	**38.49**

Disconnect Switches

- Heavy-duty disconnects with two-position pullouts or switches
- Cover remains in place when open; protective shield covers wiring
- **G37-456** and **G37-455** include a built-in self-testing GFI receptacle that meets NEC 210.63 ground fault requirements; eliminating the need for a separate installation
- **G37-455** has a 15A receptacle that allow 14/2 wire to be used; **G37-456** has a 20A receptacle that require 12/2 wire
- Fuses are sold separately (fused models)



A



B



C



D



E



F



G



H

Fig.	Order #	Mfg. #	F/L Amps	Type	Volts	Each	5 Lot	10 Lot
A	**G32-834**	ACD221RNM-A2	30	Non-Metallic Fused	120/240	**95.00**	**89.00**	**85.00**
A	**G32-833**	ACD222RNM-A2	60	Non-Metallic Fused	120/240	**89.00**	**85.00**	**79.00**
A	**G32-835**	ACD222URNM-A2	60	Non-Metallic Non-Fused	120/240	**89.00**	**85.00**	**79.00**
B	**G38-224**	ACD60R	60	Non-Metallic Non-Fused	240	**37.49**	**35.49**	**33.99**
C	**G89-805**	DPF221R	30	Metallic Fused	120/240	**79.00**	**75.00**	**69.00**
C	**G89-733**	DPF222R	60	Metallic Fused	120/240	**69.00**	**66.00**	**65.00**
D	**G37-455**	DPF221RGF15WTST	30	Metallic Fused w/15A Self-Testing GFI	120/240	**419.00**	**399.00**	**379.00**
E	**G37-456**	DPF221RGF20WTST	30	Metallic Fused w/20A Self-Testing GFI	120/240	**355.00**	**339.00**	**319.00**
F	**G37-418**	DPF222RGF15WTST	60	Metallic Fused w/15A Self-testing GFI	120/240	**249.00**	**235.00**	**225.00**
F	**G37-420**	DPF222RGF20WTST	60	Metallic Fused w/20A Self-testing GFI	120/240	**355.00**	**339.00**	**319.00**
G	**G32-836**	DPB222R	60	Metallic Non-Fused Switch	120/240	**85.00**	**79.00**	**75.00**
H	**G84-940**	DPU222R	60	Metallic Non-fused	120/240	**69.00**	**66.00**	**65.00**
H	**G37-459**	DPU222RGF15WTST	60	Metallic Weather and Tamper Resistant Non-Fused w/15A Self-Testing GFI	120/240	**355.00**	**335.00**	**319.00**
H	**G37-460**	DPU222RGF20WTST	60	Metallic Weather and Tamper Resistant Non-fused w/20A Self-Testing GFI	120/240	**345.00**	**329.00**	**315.00**

Replacement Disconnect Pullout



Order #	Mfg. #	Description	Each
G32-089	96-3258-4	Disconnect Handle	**15.49**

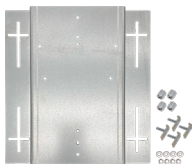
Disconnects



- Fused model designed with fuses in pull-out handle for easy replacement
- Line, load, and ground terminals are aligned for ease of wiring
- Reversible door opens to either the left or right
- Side open door opens more than 180 degrees for maximum access and has a full dead front
- Includes indicator lights for blown fuses
- Rain tight and sleet resistant
- The UL Listed number is IRF9, NEMA Type 3R and the US Patent is 6,630,637.

Order #	Mfg. #	F/L Amps	Type	Volts	Each
G37-516	DDS-30	30	Metallic Fused	120/240	**75.00**
G37-517	DDS-60	60	Metallic Fused	120/240	**75.00**
G35-618	DDS-60U	60	Metallic Non-Fused	120/240	**65.00**
G35-617	750-P60NF	60	Non-Metallic Non-Fused	120/240	**75.00**
G37-770	DDS-60SW	60	Metallic Non-Fused	120/240	**105.00**

Disconnect Mounting Plate



- To secure a disconnect to a unit without blocking the electrical panel
- Fits various layouts of single phase disconnects
- Cross pattern mounting
- Install with 5/16" hex nuts
- Weather-resistant galvanized metal

Order #	Mfg. #	Each
G38-513	TFXDMP	**59.00**

Fuse Adapter



- Converts 30A fuse to fit **G89-733** disconnect switch
- Pricing is per pair

Order #	Mfg. #	Each	10 Lot	20 Lot
G31-494	NO.263	**31.99**	**26.49**	**22.99**

Air Conditioner Whips



- 1/2" size uses #10 stranded THHN wire; 3/4" size uses #8 stranded THHN wire
- Contains black, red and green wires
- Includes two reducing washers, one straight and one 90° connector
- **G81-052** is 30 Amp

Order #	Mfg. #	Diam.	Length	Wire Gauge	Conductors	Carton Qty.	Each
G89-951	6-12-4NM	1/2"	4'	10	3	6	**39.49**
G89-797	6-12-6NM	1/2"	6'	10	3	6	**48.99**
G81-052	6-12-6NMP	1/2"	6'	12	3	6	**45.49**
G89-952	6-34-4NM	3/4"	4'	8	3	6	**55.00**
G89-798	6-34-6NM	3/4"	6'	8	3	6	**69.00**

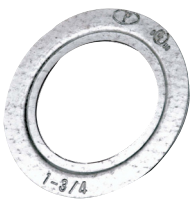
Air Conditioner Whips with Liquid-Tite Fittings



- Contains black, red and green wires
- Includes two reducing washers, one straight and one 90° liquid-tite connector

Order #	Mfg. #	Diam.	Length	Wire Gauge	Conductors	Carton Qty.	Each
G81-050	6-12-6NM-2	1/2"	6'	10	3	6	**48.99**
G81-051	6-34-6NM-2	3/4"	6'	8	3	6	**75.00**

Steel Reducing Washers



- Reduces knockout size on a sheet metal box, enclosure or cabinet
- 2-pack

Order #	Mfg. #	Size	Each
G38-425	MR-2.2R	3/4" to 1/2"	**0.84**
G38-424	MR-4.2R	1" to 3/4"	**1.35**

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Classified Circuit Breakers

- UL classified 1" circuit breakers for direct replacement in General Electric, Thomas & Betts, ITE/Siemens, Murray, Crouse-Hinds and Square D panels
- For use in place of specified circuit breakers
- Meets all code acceptance regulations governed by the NEC and UL
- 15-year warranty
- **G32-847** is a ground fault circuit breaker
- Additional amperages available by special order at participating Johnstone Supply stores


A


B


C

Fig.	Order #	Mfg. #	Amps	Volts	Poles	Each
A	**G32-840**	CL115	15	120/240	1	**38.49**
A	**G32-841**	CL120	20	120/240	1	**38.49**
B	**G32-842**	CL220	20	120/240	2	**99.00**
B	**G32-843**	CL230	30	120/240	2	**85.00**
B	**G32-844**	CL240	40	120/240	2	**99.00**
B	**G32-845**	CL250	50	120/240	2	**89.00**
C	**G32-847**	CL120GFCS	20	120/240	1	**309.00**

ITE Circuit Breakers

- For use with American Switch, Arrow-Hart, Bryant, Challenger (full size), Crouse Hinds (full size), ElectriCenter, Frank Adams, G.T.E., Sylvania, General Switch, General Electric (full size), Gould, Montgomery Ward, Murray (full size) and Westinghouse (ONLY when load center is marked to accept)


A


B



C



D



E



F


G



H



I



J

Fig.	Order #	Mfg. #	Amps	Volts	Poles	Each
A	**G31-760**	Q115	15	120	1	**22.49**
A	**G31-761**	Q120	20	120	1	**22.49**
B	**G32-018**	Q215	15	120/240	2	**59.00**
B	**G31-762**	Q220	20	120/240	2	**59.00**
C	**G37-423**	Q225	25	120/240	2	**45.99**
B	**G31-763**	Q230	30	120/240	2	**59.00**
D	**G37-424**	Q235	35	120/240	2	**45.99**
B	**G31-764**	Q240	40	120/240	2	**59.00**
B	**G31-765**	Q250	50	120/240	2	**59.00**
E	**G37-425**	Q260	60	120/240	2	**45.99**

Fig.	Order #	Mfg. #	Amps	Volts	Poles	Each
F	**G37-426**	Q290	90	120/240	2	**165.00**
G	**G32-376**	Q320	20	240	3	**239.00**
G	**G32-377**	Q330	30	240	3	**239.00**
G	**G32-384**	Q340	40	240	3	**239.00**
G	**G32-385**	Q350	50	240	3	**239.00**
G	**G32-386**	Q360	60	240	3	**239.00**
H	**G37-431**	Q1515	15/15	120	2	**59.00**
I	**G37-427**	Q2100	100	240	2	**155.00**
J	**G37-432**	Q2020	20/20	120	2	**65.00**

UBIZ Replacement for Zinsco Circuit Breakers

- Type R is 3/8" per pole total 3/4" wide (referred to as single pole twins); controls two separate 120V circuits
- Type RC is 3/4" wide, two pole common trip and controls one 240VAC circuit
- Type Q is 3/4" wide and controls one 120VAC circuit
- Type QC is 1-1/2" wide, two pole common trip and control one 240VAC circuit



A



B



C

Fig.	Order #	Mfg. #	Replaces	Amps	Volts	Poles	Control Circuits	Each
A	**G31-207**	UBIZ1515	R3815	15	120	Twin — 1 Pole	2	**215.00**
A	**G31-208**	UBIZ2020	R3820	20	120	Twin — 1 Pole	2	**215.00**
A	**G31-209**	UBIZ3030	R3830	30	120	Twin — 1 Pole	2	**215.00**
A	**G31-210**	UBIZ0220	RC3820	20	240	2	1	**215.00**
A	**G31-211**	UBIZ0230	RC3830	30	240	2	1	**215.00**
A	**G31-213**	UBIZ0250	RC3850	50	240	2	1	**215.00**
B	**G31-214**	UBIZ15	Q15	15	120	1	1	**99.00**
B	**G31-215**	UBIZ20	Q20	20	120	1	1	**99.00**

Fig.	Order #	Mfg. #	Replaces	Amps	Volts	Poles	Control Circuits	Each
B	**G31-216**	UBIZ30	Q30	30	120	1	1	**99.00**
C	**G31-217**	UBIZ220	QC20	20	240	2	1	**215.00**
C	**G31-218**	UBIZ230	QC30	30	240	2	1	**215.00**
C	**G31-219**	UBIZ240	QC40	40	240	2	1	**215.00**
C	**G31-220**	UBIZ250	QC50	50	240	2	1	**215.00**
C	**G31-326**	UBIZ260	QCAL60	60	240	2	1	**215.00**
C	**G31-221**	UBIZ2100	QCAL100	100	240	2	1	**645.00**

EATON
Powering Business Worldwide

Circuit Breakers for Popular "Non-Interchange" Panels NEW

- Direct replacement for major manufacturers



A



B



C



D



E



F



G



H



I



J

Fig.	Order #	Mfg. #	Replaces	Amps	Volts	Poles	Each
A	**G37-448**	CHF115	Cutler-Hammer	15	120	1	**38.49**
A	**G37-449**	CHF120	Cutler-Hammer	20	120	1	**39.49**
B	**G37-450**	CHF215	Cutler-Hammer	15	240	2	**79.00**
B	**G37-451**	CHF220	Cutler-Hammer	20	240	2	**79.00**
B	**G37-452**	CHF230	Cutler-Hammer	30	240	2	**85.00**
B	**G37-453**	CHF240	Cutler-Hammer	40	240	2	**79.00**
B	**G37-419**	CHF250	Cutler-Hammer	50	240	2	**79.00**
C	**G38-565** ◀	CHF260	Cutler-Hammer	60	240	2	**85.00**
D	**G31-766**	UBIF15N	FPL & ACB	15	120	1	**89.00**
D	**G31-767**	UBIF20N	FPL & ACB	20	120	1	**89.00**
E	**G31-768**	UBIF220N	FPL & ACB	20	240	2	**189.00**
E	**G31-769**	UBIF230N	FPL & ACB	30	240	2	**189.00**
E	**G31-770**	UBIF240N	FPL & ACB	40	240	2	**189.00**
E	**G31-771**	UBIF250N	FPL & ACB	50	240	2	**189.00**
E	**G31-772**	UBIF260N	FPL & ACB	60	240	2	**189.00**

Fig.	Order #	Mfg. #	Replaces	Amps	Volts	Poles	Each
F	**G31-465**	UBIF015N	FPL & ACB Thin Line	15	120	1	**89.00**
F	**G31-466**	UBIF020N	FPL & ACB Thin Line	20	120	1	**89.00**
G	**G31-467**	UBIF0220N	FPL & ACB Thin Line	20	240	2	**189.00**
G	**G31-468**	UBIF0230N	FPL & ACB Thin Line	30	240	2	**189.00**
G	**G31-469**	UBIF0240N	FPL & ACB Thin Line	40	240	2	**189.00**
G	**G31-470**	UBIF0250N	FPL & ACB Thin Line	50	240	2	**189.00**
H	**G31-681**	UBIP120	Pushmatic	20	120	1	**99.00**
I	**G31-682**	UBIP220	Pushmatic	20	240	2	**269.00**
I	**G31-683**	UBIP230	Pushmatic	30	240	2	**269.00**
I	**G31-684**	UBIP240	Pushmatic	40	240	2	**269.00**
I	**G31-685**	UBIP250	Pushmatic	50	240	2	**269.00**
I	**G31-686**	UBIP260	Pushmatic	60	240	2	**299.00**
J	**G31-776**	UBIP2020	Pushmatic	20	120	Twin — 1 Pole	**165.00**

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BR Circuit Breakers

- BR 1" circuit breakers with a thermal-magnetic trip curve avoids nuisance tripping on mild overloads while reacting to severe short-circuit conditions
- All BR circuit breakers have rejection tab feature
- Units feature a quick-make, quick-break switch mechanism combined with inverse time element tripping operation and trip-free handle design


A


B


C

Fig.	Order #	Mfg. #	Replaces	Amps	Volts	Poles
A	**G37-602**	BR115	C115	15	120/240	1
A	**G37-603**	BR120	C120	20	120/240	1
B	**G37-604**	BR2100	C2100	100	120/240	2
B	**G37-605**	BR2125	C2125	125	120/240	2
B	**G37-606**	BR215	C215	15	120/240	2
B	**G37-607**	BR220	C220	20	120/240	2
B	**G37-608**	BR225	C225	25	120/240	2
B	**G37-609**	BR230	C230	30	120/240	2
B	**G37-610**	BR235	C235	35	120/240	2
B	**G37-611**	BR240	C240	40	120/240	2

Fig.	Order #	Mfg. #	Replaces	Amps	Volts	Poles
B	**G37-612**	BR245	C245	45	120/240	2
B	**G37-613**	BR250	C250	50	120/240	2
B	**G37-614**	BR255	C255	55	120/240	2
B	**G37-615**	BR260	C260	60	120/240	2
B	**G37-616**	BR270	C270	70	120/240	2
B	**G37-617**	BR280	C280	80	120/240	2
B	**G37-618**	BR290	C290	90	120/240	2
C	**G37-619**	BR320	C320	20	240	3
C	**G37-620**	BR350	C350	50	240	3

Whole Home Surge Protectors

- **G36-415** comes with a *$25,000 warranty
- LED status indication
- Suitable for indoor/outdoor applications when properly installed
- Limited lifetime warranty
- UL® 1449 3rd Edition compliant

Note: *Warranty amount is for connected equipment, for details visit www.eaton.com/surgetrap



Order #	Mfg. #	Max. Amps	Each
G36-415	CHSPT2SURGE	36,000	**335.00**
G36-471	CHSPT2ULTRA	108,000	**669.00**

Surge Protection Devices

- Hard-wired models provide greater capacity to handle surge energy (based on their close location to the service ground) compared to standard plug-in strips
- Designed for 120, 240 VAC single or split-phase panels
- Green LED indicator provides surge protection status – ON: Energized and providing protection – OFF: May still be energized but protection has been diminished and the unit should be replaced



Order #	Mfg. #	Max. Amps	Each
G36-493	IG1200RC3	50,000	**295.00**
G36-494	IG1240RC3	50,000	**495.00**

Order #	Mfg. #	Max. Amps	Each
G36-495	IG3240RC3	50,000	**865.00**

HVAC Surge Protector

- Protects high efficiency furnaces, hydronic heating systems and ductless mini-splits
- Robust TPMOV® surge technology with arc-shield
- 3yr/$7,500 connected equipment warranty
- Green LED protection indicator
- Type 1 and type 2 compatible
- Meets all UL1449 3rd edition standards
- 18 in. 10 Gauge leads
- 1/2 inch x 20 threaded nipple
- Weatherproof and UV resistant



Order #	Mfg. #	Max. Amps	Each
G36-492	AG3000	100,000	**169.00**

Compressor Defender™



- Protects residential and light commercial compressors and circuit boards
- Surge, brownout, and short cycle protection with 120, 208, and 240 VAC loads
- LED indicators provide real-time status updates for quick and easy troubleshooting
- For use inside condensing units or externally on disconnects
- Complies with ANSI/AHRI standard 110-2012 range B for voltage drop protection
- Auto-sense voltage technology 120-240 VAC universal input voltage
- Meets ANSI/UL 1449 3rd edition requirements

Order #	Mfg. #	Max. Amps	Each
G36-618	CD1-024R	100,000	**275.00**

ICM Single-Phase Surge Protector

NEW



- NEMA Type 4X enclosed Type 2 Surge Protective Device for indoor/outdoor installation
- Robust Cast Aluminum enclosure for maximum durability
- Featuring a redesigned rivet sealed molded case with an internal gasket
- Updated to latest UL standards with UL Rated Powder Coating for superior corrosion resistance
- Withstands effects of prolonged UV exposure better then ABS plastics
- Easy installation; built to withstand a major surge event
- Thinner, more compact profile than previous versions
- Limited lifetime product, up to a 3-year $25,000 connected equipment warranty

Order #	Mfg. #	Max. Amps	Max. Energy Dissipation (Joules)	Each
G38-521	ICM517A	100,000	1020	**195.00**

Linebacker® Surge Protector & Voltage Monitor



- TPMOV technology removes equipment from damaging surges
- Diagnostic circuitry analyzes incoming power for overvoltage, undervoltage or lost neutral

(ground), disconnecting equipment from power to prevent equipment damage.

Order #	Mfg. #	Max. Amps	Each
G37-422	LBK10	10,000	**285.00**

RSH-50 Surge Protective Device



- Protects from up to 50,000-amp single surges and up to 10,000-amp repetitive surges
- Designed to protect all Single-Phase system 120/240 VAC Type 1
- Long-Lasting Gas Discharge Tube Technology
- For Residential or Commercial Use
- TFMOV Technology
- Green LED Indicates Protection

Order #	Mfg. #	Each
G38-076	RSH-50	**129.00**

RSH-60 Surge Protector



- Designed to protect all single phase, 120/240-V air conditioning, heat pumps and ductless mini-split systems (DMSS) from transient over-voltage and natural-cause surges.
- Long-Lasting Gas Discharge Tube Technology
- TFMOV Technology
- Dual Diagnostic LEDs and Audible Alarm
- Additional Stability with Mounting Feet Option

Order #	Mfg. #	Each
G38-077	96416	**385.00**

RSH-60 VMD Surge Protector



- Designed to protect all single phase, 120/240-V air conditioning and heat pumps from transient over-voltage and natural-cause surges, brown-outs, and system short cycling
- Dual LED diagnostic lights for operational status
- 24V thermostat relay
- Hybrid gas discharge tube/metal oxide varistor (MOV) protection circuit
- Easy install on disconnect boxes

Order #	Mfg. #	Each
G38-078	96426	**255.00**

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Fused Disconnect with Surge Protector

- Protects from up to 50,000-amp single surges and up to 10,000-amp repetitive surges
- Designed to protect all single-phase system 120/240 VAC Type 1 device
- Long-lasting gas discharge tube technology
- For residential or commercial Use
- TFMOV technology
- Green LED indicates protection



Order #	Mfg. #	Amps	Each
G38-337	96417	30	**275.00**
G81-047	96418	60	**279.00**

RSH-50 Enclosed VRM Kits

- RSH-50 Surge Protector and Voltage Range Monitor inside a NEMA 3R/IP66 enclosure
- Over-under voltage cutoff delay can be adjusted from 0.5 to 60 seconds
- Load restore delay adjustable from 1 to 600 seconds 120/240 single phase, 60 amp double pole capacity relays
- Magnetic latching relay for maximum reliability
- Large easy to read LCD digital display
- Dual red and green LED diagnostics indicators
- Easy setup, field programmable, no laptop or programming tool required
- Stores up to 300 over/under voltage and power-loss events in resettable internal memory
- Non-volatile memory retains all settings and event log when power is lost
- Entire kit is NEMA 3R enclosure, with the VRM60 having NEMA 1 din-rail housing
- **G38-503** includes a 60A disconnect breaker



A



B

Fig.	Order #	Mfg. #	Description	Each
A	**G38-338**	96421	Includes RSH-50 Surge Protector and VRM Range Monitor	**645.00**
B	**G38-503**	VRMDC	Includes RSH-50 Surge Protector, VRM Range Monitor and 60A Disconnect Breaker	**775.00**

Voltage Range Monitor

- Over-under voltage cutoff delay can be adjusted from 0.5 to 60 seconds
- Load restore delay adjustable from 1 to 600 seconds 120/240 single phase, 60 amp double pole capacity relays
- Magnetic latching relay for maximum reliability
- Large easy to read LCD digital display
- Dual red and green LED diagnostics indicators
- Easy setup, field programmable, no laptop or programming tool required
- Stores up to 300 over/under voltage and power-loss events in resettable internal memory
- Non-volatile memory retains all settings and event log when power is lost
- Entire kit is NEMA 3R enclosure, with the VRM60 having NEMA 1 din-rail housing



Order #	Mfg. #	Each
G38-339	96420	**379.00**

Whole House Surge Protective Device

- Protects from up to 120,000A single surges and up to 20,000A repetitive surges
- Designed to protect all single phase system 120/240 VAC Type 1 device
- Long-lasting gas discharge tube technology
- For residential or commercial use
- TFMOV technology



Order #	Mfg. #	Each
G38-340	96414	**325.00**

PartStock™

What You Need, When You Need It

Streamline your HVACR installations with a smart, data-driven inventory solution.

Replenish Your Inventory
Lower Job Costs
One Touch Shopping
Easy Review & Approval



Want to Learn More?
Ask your Johnstone Sales Representative about PartStock

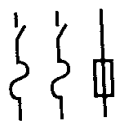
Now integrated with Johnstonesupply.com

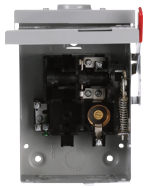
SIEMENS
Ingenuity for life

General Duty Safety Switches

- Applications include disconnects for motors, air conditioners, appliances or lighting loads
- Suitable for use as service entrance equipment
- Padlocking provisions for lock-out in off position
- Lugs suitable for copper or aluminum 60 or 70° rated wire
- Also used for two pole applications
- Dual horsepower ratings: Std. - Non-time delay fuses, Max. - Time-delay fuses


A

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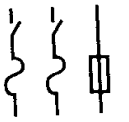

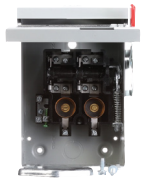
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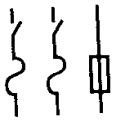



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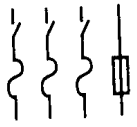



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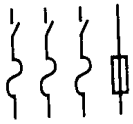


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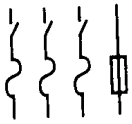


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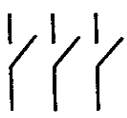


H



Fig.	Order #	Mfg. #	Fuse Type	Amps	Enclosure Type	HP Std.	HP Max.	1Ø HP Std.	1Ø HP Max.	3Ø HP Std.	3Ø HP Max.	Width	Height	Depth	Each
Single-Phase, 120VAC, Fused, 1-Pole, 2-Wire, Solid Neutral															
A	**L82-041**	LF111N	Plug	30	1	0.5	2	—	—	—	—	6	8	3	**85.00**
B	**L49-272**	LF111NR	Plug	30	3R	0.5	2	—	—	—	—	6	8	3	**195.00**
Single-Phase, 240VAC/120VAC, Fused, 2-Pole, 3-Wire, Solid Neutral															
C	**L49-273**	LF211NR	Plug	30	3R	1.5	3	1.5	3	—	—	5.25	8	3	**209.00**
D	**G80-053**	LF211N	Plug	30	1	1.5	3.0	1.5	3.0	—	—	5.5"	8.25"	3"	**119.00**
D	**G80-061**	GF221NA	Cartridge	30	1	3.0	7.5	1.5	3.0	3.0	7.5	5.5"	8.25"	3"	**159.00**
E	**G80-058**	GF221NRA	Cartridge	30	3R	3.0	7.5	1.5	3.0	3.0	7.5	9.06"	8.25"	4.75"	**245.00**
F	**G80-045**	GF222NRA	Cartridge	60	3R	7.5	15.0	3.0	10.0	7.5	15.0	8.70"	14.39"	6.73"	**425.00**
Three-Phase, 240VAC, Fused, 3-Pole, 4-Wire, Solid Neutral															
D	**G80-054**	GF321NA	Cartridge	30	1	3.0	7.5	1.5	3.0	3.0	7.5	9.06"	8.25"	4.75"	**245.00**
D	**G80-055**	GF322NA	Cartridge	60	1	7.5	15.0	3.0	10.0	7.5	15.0	8.70"	15.45"	6.73"	**425.00**
E	**G80-059**	GF321NRA	Cartridge	30	3R	3.0	7.5	1.5	3.0	3.0	7.5	9.06"	8.25"	4.75"	**365.00**
F	**G80-046**	GF322NRA	Cartridge	60	3R	7.5	15.0	3.0	10.0	7.5	15.0	8.70"	15.45"	6.73"	**545.00**
G	**G80-717**	GF323N	Cartridge	100	1	15.0	30.0	7.5	15.0	15.0	30.0	5.5"	8.5"	3"	**735.00**
H	**G80-718**	GF323NR	Cartridge	100	3R	15.0	30.0	7.5	15.0	15.0	30.0	5.5"	8.5"	3.125"	**1099.00**
Three-Phase, 240VAC, Non-Fused, 3-Pole, 3-Wire															
D	**G80-056**	GNF321A	Cartridge	30	1	—	7.5	—	3.0	—	7.5	9.06"	8.25"	4.75"	**199.00**
D	**G80-057**	GNF322A	Cartridge	60	1	—	15.0	—	10.0	—	15.0	8.71"	12.31"	6.77"	**275.00**
E	**G80-060**	GNF321RA	Cartridge	30	3R	—	7.5	—	3.0	—	7.5	9.0"	12.5"	4.75"	**285.00**
F	**G80-047**	GNF322RA	Cartridge	60	3R	—	15.0	—	10.0	—	15.0	8.71"	12.31"	6.77"	**495.00**
C	**G80-719**	GNF323R	Cartridge	100	3R	—	30.0	—	15.0	—	30.0	5.5"	8.5"	3.125"	**1099.00**

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Heavy Duty Safety Switches

- Applications include disconnects for motors, air conditioners, appliances or lighting loads
- Suitable for use as service entrance equipment
- Padlocking provisions for lock-out in off position
- Lugs suitable for copper or aluminum 60 or 70° rated wire
- For use with cartridge type fuses
- Also used for two pole applications
- Dual horsepower ratings: Std. - non-time delay fuses, Max. - time-delay fuses
- Conduit hubs available; see index





Order #	Mfg. #	Amps	Enclosure Type	HP 600VAC Std.	HP 600VAC Max.	HP 480VAC Std.	HP 480VAC Max.	Width	Height	Depth	Each
Three-Phase, 600VAC/480VAC, Fused, 3-Pole, 3-Wire											
G80-072	HF361R	30	3R	7.5	20.0	5.0	15.0	9.01"	15.45"	8.35"	**1245.00**
G80-085	HF362R	60	3R	15.0	50.0	15.0	30.0	11.53"	17.46"	8.35"	**1445.00**
G80-425	HF363R	100	3R	30.0	75.0	25.0	60.0	9.64"	21.95"	5.05"	**1745.00**
Three-Phase, 600VAC/480VAC, Non-Fused, 3-Pole, 3-Wire											
G80-086	HNF361R	30	3R	—	30.0	—	20.0	9.01"	12.31"	8.35"	**605.00**
G80-087	HNF362R	60	3R	—	60.0	—	50.0	9.02"	17.33"	8.59"	**1245.00**
G80-424	HNF363R	100	3R	—	100.0	—	75.0	9.64"	21.95"	5.05"	**1399.00**

Vending Machine Switch

- Simulated Roller Snap Action Switch
- Direct replacement for switches used on most vending machines
- SPDT, 0.5A @ 125VAC, 0.25A @ 250VAC, 1/8 HP, 0.187" spade terminals
- Replaces Micro #V3L107D8



Order #	Mfg. #	Each
G31-249	ES15252	**12.49**

Vending Machine Switch

- Pin Plunger Snap Action Switch
- Direct replacement for switches used on most vending machines
- SPDT, 10A @ 125/250VAC, 1/3 HP, 0.187" spade terminals



Order #	Mfg. #	Each
G31-251	ES16802	**7.25**

Vending Machine Switch

- Rigid Lever Snap Action Switch
- Direct replacement for switches used on most vending machines
- SPDT, 10A @ 125/250VAC, 1/3 HP, 0.187" spade terminals
- Replaces Micro #V3L1



Order #	Mfg. #	Each
G31-252	ES15253	**10.99**

Self-Testing Ground Fault Interrupters

- Duplex receptacles and portable
- No alteration to the fuse box or circuit breaker required
- For use outdoors, in bathrooms, kitchens, laundry rooms and damp or wet areas
- Meets or exceeds UL943 (3rd Edition) class A GFCI, UL498 requirements
- Feed-through receptacle protects all other receptacles downstream on same circuit
- No alteration to the fuse box or circuit breaker required
- Solid state circuitry for trouble-free operation
- Self-testing GFI



Order #	Mfg. #	Amps	Volts	NEMA Size	Color	Each
G37-291	SGF15V	15	120	5-15R	Ivory	**75.00**
G37-292	SGF15W	15	120	5-15R	White	**69.00**
G37-293	SGF20V	20	120	6-15R	Ivory	**79.00**

EATON
Powering Business Worldwide

Commercial/Specification Grade Receptacles

- **G22-923** and **G32-078** are commercial specification grade, heavy-duty duplex receptacle with nylon impact resistance face, lead-in slots for easy plug insertions, heavy sectioned body of non-tracking urea and keyed to steel strap; automatic grounding clip; solid brass terminal screws accept #10, #12 or #14 copper or copper-clad aluminum conductors; back and side wired; meets federal specification WC-596
- **G22-887**, **G22-890**, **G22-889**, and **G22-891** are specification grade, heavy-duty single receptacles; side wire terminals take up to #10 wire; E-Z ground screw with grounding terminal screw; suitable for grounded metallic or nonmetallic systems; combination terminal screws are large head, staked and backed-out; rugged steel, heavyplated mounting strap; compact design provides more wiring space in outlet box
- **G22-891** will work with Amana PTAC'S


A


B


C


D


E


F

Fig.	Order #	Mfg. #	Amps	Volts	NEMA Size	Type	Color	Each	10 Lot	20 Lot
A	**G22-923**	BR15V	15	125	5-15R	Duplex	Ivory	**11.99**	**10.99**	**10.49**
B	**G32-078**	BR20V	20	125	5-20R	Duplex	Ivory	**14.49**	**12.99**	**11.99**
C	**G22-887**	817V-BOX	15	125	5-15R	Single	Ivory	**19.99**	**17.99**	**15.99**
D	**G22-890**	1877V-BOX	20	125	5-20R	Single	Ivory	**15.99**	**14.49**	**12.99**
E	**G22-889**	816V-BOX	15	250	6-15R	Single	Ivory	**22.49**	**19.99**	**17.99**
F	**G22-891**	1876V-BOX	20	250	6-20R	Single	Ivory	**19.49**	**17.99**	**16.49**

EATON
Powering Business Worldwide

General Duty Straight Blade Receptacles

- Standard grade duplex feature E-Z ground strap with green hex-head grounding terminal screw; large head terminal screws take up to #10 wire; E-Z wire push-in terminals take #14 copper or copper-clad conductors; rugged steel heavy-plated mounting strap; compact design provides more wiring space in box
- Copal (CO/ALR) duplex are approved for direct connection to aluminum, copper or copper-clad conductors; large head deep slotted side wire terminal screws take up to #10 aluminum, copper or copper-clad conductors; compact design


A


B

Fig.	Order #	Mfg. #	Amps	Volts	NEMA Size	Type	Color	Each	10 Lot	20 Lot
A	**G22-885**	270V	15	125	5-15R	Duplex	Ivory	**3.69**	**3.45**	**3.25**
B	**G31-867**	270W	15	125	5-15R	Duplex	White	**3.69**	**3.45**	**3.25**
A	**G31-566**	527OV-BU	15	125	5-15R	Duplex (CO/ALR)	Ivory	**12.99**	**11.99**	**10.99**

EATON
Powering Business Worldwide

Wall Plates

- Phenolic: non-flammable thermosetting, warp resistant
- The ultrasmooth finish of all these wallplates makes them maintenance-free and easy to clean


A


B


C

Fig.	Order #	Mfg. #	Description	For Use With	Each
A	**G31-868**	2132W	Duplex Plate	G31-865	**1.59**
B	**G31-869**	2134W	1G White Plate	G31-867	**1.59**

Fig.	Order #	Mfg. #	Description	For Use With	Each
C	**G31-371**	2131V	Recep Plate	G22-891	**1.89**

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General Use AC Switches

- 1301 series have small toggle with dust apron, push-in E-Z wire terminals take up to #14 solid copper or copper-clad conductors; side wire #10 terminal screws take up to #10 copper or copper-clad conductors with metal strap and grounding
- 5221 series COPAL (CO/ALR) are for direct connection to aluminum, copper or copper-clad conductors; side wire terminal screws take up to #10 conductors; break-off plaster ears and compact design with grounding



A



B

Fig.	Order #	Mfg. #	Amps	Volts	Type	Color	Each	10 Lot	20 Lot
A	**G31-206**	1301-7V	15	120	Single Pole	Ivory	**3.75**	**3.45**	**3.19**
B	**G31-865**	1301-7W	15	120	Single Pole	White	**3.75**	**3.45**	**3.19**
A	**G31-567**	5221-7V-BU	15	120	Single Pole	Ivory	**16.49**	**14.99**	**13.99**

Commercial/Specification Grade Switches

- CS series commercial/specification grade AC toggle switches; side wire #10 terminal screws take up to #10 copper or copper-clad conductors; thick thermoplastic top and bottom housing and thermoplastic toggle; break-off plaster ears and reliable CAM action design; beats Federal specifications for heavy-duty applications WS-896; grounding
- 3032 series super specification grade large toggle switch; back and side wire #10 terminal screws take up to #10 copper or copper-clad conductors; self-grounding strap and terminal screw; break-off plaster ears and heavy-plated, steel mounting strap; UL, CSA approved; grounding



Order #	Mfg. #	Amps	Volts	Type	Color	Each	10 Lot	20 Lot
G22-449	CS115V	15	120-277	Single Pole	Ivory	**16.49**	**14.99**	**13.99**
G32-105	CS115W	15	120-277	Single Pole	White	**16.49**	**14.99**	**13.99**
G32-074	CS120V	20	120-277	Single Pole	Ivory	**21.49**	**19.49**	**17.99**
G32-106	CS120W	20	120-277	Single Pole	White	**23.49**	**21.49**	**19.49**
G22-949	CS220V	20	120-277	Double Pole	Ivory	**45.49**	**40.49**	**36.49**

Combination Switches and Devices

Toggle with Second Device

- Toggle with Second Device
- Toggle switches have spring loaded steel ball mechanism for smooth, positive contact movement
- Switches have break-offs for wiring both devices on same circuit or on separate circuits, except pilot lights
- Receptacle has triple wipe line contacts and double wipe grounding contacts, and built-in pilot light is on when switch is ON
- Pilot light is connected to indicate when switch is ON and is long life neon
- **G32-076** has UL listed tamper resistant shutters designed to prevent the insertion of foreign objects



A



B

Fig.	Order #	Mfg. #	Amps	Volts	Type	Color	Each	10 Lot	20 Lot
A	**G32-075**	271V-Box	15	120	Two Single-Pole	Ivory	**33.99**	**31.99**	**29.49**
B	**G32-076**	TR274V	15	120	Single-Pole w/Receptacle & Pilot Light	Ivory	**25.99**	**24.49**	**22.49**

3 Pole Mini-Split Switch

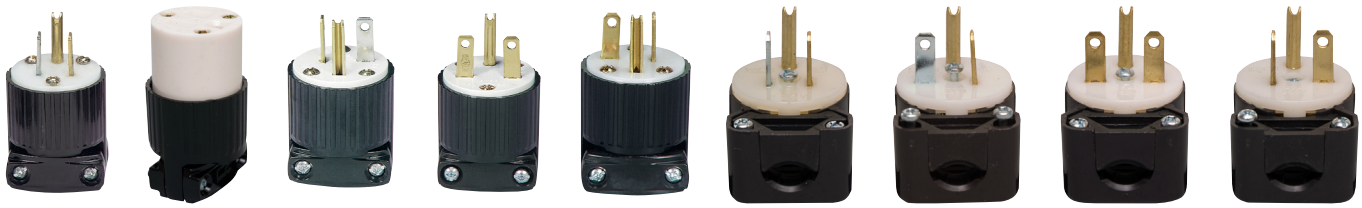
- Meets local code requirements for breaking both the power line (L1 and L2) and the communication line of mini-split indoor unit for service



Order #	Mfg. #	Amps	Volts	Type	Color	Each
G38-102	755-303SW	30	600	Three Pole	Black	**125.00**

Super Specification Grade Cord Caps and Connectors

- Straight blade caps and connectors have side wire terminal screws take up to #10 copper or copper-clad conductors; back wire holes have tapered lead-in and clamps are spring loaded open; E-Z ground strap with grounding terminal screw, for grounded metallic and nonmetallic systems; one-piece molded construction for superior assembly security
- Angle cord caps are for use in industrial and commercial applications where cords must be close to wall or in tight fitting places where space is limited; eight possible plug positions; transparent terminal cover allows inspection of wire termination before final assembly; thick walled, black and white thermoplastic husk; grounding



A B C D E F G H I

Fig.	Order #	Mfg. #	Amps	Volts	NEMA Size	Type	Each	10 Lot	20 Lot
A	**G22-440**	AH5266	15	125	5-15	Standard Cap	**42.49**	**37.99**	**34.49**
B	**G22-424**	AH5269	15	125	5-15	Standard Conn.	**69.00**	**65.00**	**55.00**
C	**G22-442**	AH5366	20	125	5-20	Standard Cap	**47.99**	**43.99**	**40.49**
D	**G22-901**	AH5666	15	250	6-15	Standard Cap	**45.99**	**41.99**	**38.49**
E	**G22-445**	AH5466	20	250	6-20	Standard Cap	**65.00**	**55.00**	**49.99**
F	**G22-904**	5266AN	15	125	5-15	Angle Cap	**38.49**	**35.49**	**32.49**
G	**G22-906**	5366AN	20	125	5-20	Angle Cap	**55.00**	**47.99**	**44.49**
H	**G22-905**	5666AN	15	250	6-15	Angle Cap	**55.00**	**46.99**	**42.99**
I	**G22-907**	5466AN	20	250	6-20	Angle Cap	**55.00**	**47.99**	**43.99**

General Duty Cord Caps and Connectors

- For use on extension cords and portable electrical equipment
- Solid brass blades are firmly embedded into body
- Steel clamps and armor are heavy plated for corrosion resistance
- Terminal screws are large head type for easy wiring, separated by barriers to prevent flashover or short circuits
- Strain relief clamps are superior in design, providing secure mechanical grip
- Rubber devices resist many chemicals and petroleum by-products, have low temperature flexibility and resist high heat



A B C D E F G

Fig.	Order #	Mfg. #	Amps	NEMA Size	Type	Color	Each
A	**G31-264**	2867-BOX	15	5–15	Vinyl Armored Cap	Yellow	**19.99**
B	**G31-497**	2887-BOX	15	5–15	Vinyl Armored Conn.	Yellow	**37.49**
C	**G31-372**	4867-BOX	15	5–15	Round Vinyl Cap	Yellow	**31.99**
D	**G21-082**	4887-BOX	15	5–15	Round Vinyl Conn.	Yellow	**31.49**
E	**G31-263**	1709-BOX	15	5–15	Round Rubber Cap	Black	**13.99**
F	**G31-496**	222-BOX	15	5–15	Round Rubber Conn.	Black	**23.49**
G	**G21-243**	SA540	15	1–15	Flat Rubber Cap	Black	**6.49**

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Electrical Outlet Boxes

GARVIN A Southwire Business


A


B


C

Fig.	Order #	Mfg. #	Description	Each
A	**G31-303**	G19280	1-1/2" Deep Single Gang Box w/ 1/2" KO's	**11.49**
A	**G31-409**	G19282	2-1/8" Deep Single Gang Box w/ 1/2" KO's	**10.99**
B	**G80-136**	52171-S	4" Square 2-1/8" Deep Box w/ 1/2" & 3/4" KO's	**10.49**
B	**G31-305**	52151-S	4" Square 1-1/2" Deep Box w/ 1/2" & 3/4" KO's w/Grounding Bump	**10.49**
C	**G31-306**	54151-S	4" Octagon Box w/ 1/2" & 3/4" KO's	**10.99**

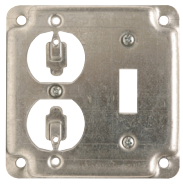
Steel Cover Plates

GARVIN A Southwire Business


A


B


C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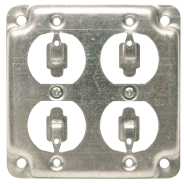
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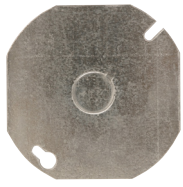
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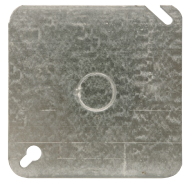
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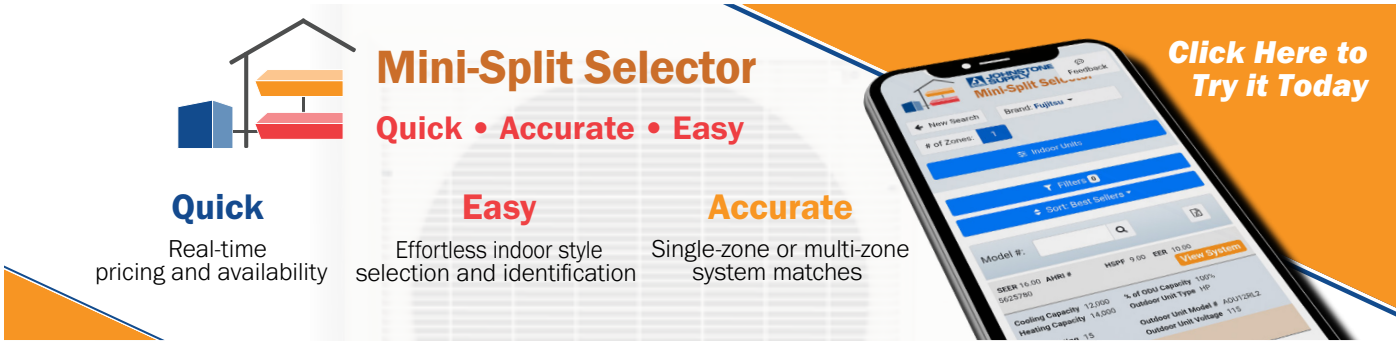
Fig.	Order #	Mfg. #	Description	Each
A	**G31-309**	G19350	Single Gang Toggle	**3.45**
B	**G31-408**	G19290	Single Gang Blank	**2.85**
C	**G31-310**	G19380	Single Gang Duplex Receptacle	**3.35**
D	**G31-312**	G1941	4" Toggle /Duplex Receptacle	**6.89**
E	**G31-313**	G1939	4" Two Gang Duplex Receptacle	**7.85**
F	**G35-916**	G1948	4" Toggle/GFI Duplex Receptacle	**11.49**
G	**G80-135**	G1935	4" Single Gang Toggle	**7.85**
H	**G32-493**	52C18	4" Square 3/4" Raised Cover for 2 Devices or 1 Range or Dryer Receptacle	**7.15**
I	**G31-315**	54C6	4" Round Blank — 1/2" KO	**5.99**
J	**G31-314**	52C6	4" Blank — 1/2" KO	**5.69**



TEDDICO ELECTRICAL PRODUCTS | BWF

Outdoor Electrical Outlet Boxes

- Constructed of die cast aluminum
- Metallic gray finish
- Raised knockout studs on back; simply strike desired stud with sharp hammer blow for clean mounting holes


A


B


C


D

Fig.	Order #	Mfg. #	Type	Hole Sizes	Each	10 Lot	20 Lot
A	**G31-354**	B-5V	Single Gang	Three 1/2"	**7.09**	**6.09**	**5.45**
A	**G32-173**	B-75V	Single Gang w/Lugs	Three 3/4"	**14.99**	**12.99**	**11.99**
B	**G32-172**	B5-22V	Single Gang w/Lugs	Five 1/2"	**15.99**	**13.49**	**12.49**
B	**G32-174**	B75-22V	Single Gang w/Lugs	Five 3/4"	**16.49**	**13.99**	**12.99**
C	**G32-175**	TGB-54V	Two Gang w/Lugs	Four 1/2"	**32.49**	**27.99**	**25.99**
D	**G32-178**	RB-5V	4" Round w/Lugs	Four 1/2" Side, One 1/2" Back	**12.49**	**10.99**	**9.39**

TEDDICO ELECTRICAL PRODUCTS | BWF

Outdoor Electrical Box Covers

- Die cast aluminum
- Metallic gray finish


A


B


C


D


E


F


G

Fig.	Order #	Mfg. #	Description	Each	10 Lot	20 Lot
A	**G31-492**	BC-1V	Single Gang Blank Plate	**2.35**	**2.05**	**1.85**
B	**G32-176**	BC-2V	Two Gang Blank Plate	**6.95**	**5.95**	**5.49**
C	**G32-179**	RBCV	4" Diameter Round Plate	**4.85**	**4.19**	**3.85**
D	**G31-493**	FC-71V	Self-Closing Single Gang Switch Cover	**10.49**	**8.69**	**8.09**
E	**G22-118**	FC-81V	Self-Closing Single Gang Duplex Cover	**8.25**	**7.09**	**6.65**
F	**G32-177**	FC-261V	Self-Closing Two Gang Combination Cover	**33.49**	**28.99**	**26.49**
G	**G32-180**	TS-11V	Toggle Switch Cover, Single Pole, 10A–125V	**15.99**	**13.49**	**12.99**

TEDDICO ELECTRICAL PRODUCTS | BWF

Outdoor GFI Box Covers

- Die-cast aluminum
- Metallic gray finish


A


B

Fig.	Order #	Mfg. #	Description	Each	3 Lot	6 Lot
A	**G31-122**	FGV-1DCV	Vertical Mount GFI Cover	**14.99**	**12.99**	**11.99**
B	**G31-123**	FG-1DCV	Horizontal Mount GFI Cover	**19.49**	**17.49**	**15.99**

Electrical Box Closure Plugs



- Metallic gray finish, four per package
- **G32-181** are 1/2"; **G32-182** are 3/4"

Order #	Mfg. #	Each	10 Lot
G32-181	PL-5/4V	**5.15**	**4.39**
G32-182	PL-75/4V	**7.05**	**5.99**

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Thin Wall Conduit

- Use to support duct sizes over 48” or smaller duct in high pressure applications
- 10' lengths



Order #	Mfg. #	Description
G95-038	MC1210	1/2" Thin Wall Conduit
G95-039	MC3410	3/4” Thin Wall Conduit

Dyn-O-Loc Sets

- Insert into the ends of thin wall conduit to attach conduit to the duct
- Easy to insert and pull tested to withstand over 1,900 lbs.
- Set includes Dyn-O-Loc, ¼-20 bolt and neoprene backed washer



Order #	Mfg. #	Description	Each
R58-910	DOMRL12-250	1/2” Dyn-O-Loc Set (250-Pk.)	**729.00**
R58-911	DOMRL34-250	3/4" Dyn-O-Loc Set (250-Pk.)	**765.00**

Tube and Conduit Cutter

- Cuts 1/8" to 1" copper, aluminum, brass tubing and thin-wall conduit
- X-CEL knob and pin for quicker cutting and wheel replacement
- Includes fold-away reamer and spare cutter wheel



Order #	Mfg. #	Description	Each
H27-407	32910	Model #10	**89.00**

EMT Setscrew Connectors

- Concrete tight
- Zinc die-cast



Order #	Mfg. #	Size	Description	Each
G35-706	631S	1/2"	1/2" Knockout Size	**1.25**
G35-707	632S	3/4"	3/4" Knockout Size	**2.05**

EMT Setscrew Couplings

- Concrete tight
- Zinc die-cast



Order #	Mfg. #	Size	Each
G35-708	641S	1/2"	**1.35**
G35-709	642S	3/4"	**2.05**

EMT Compression Connectors

- Concrete tight/rain tight
- Zinc die-cast



Order #	Mfg. #	Size	Description	Each
G35-711	651S	1/2"	1/2" Knockout Size	**2.45**
G35-712	652S	3/4"	3/4" Knockout Size	**3.09**

EMT 90° Rigid and Setscrew Pulling Elbows

- Threaded
- Zinc die-cast



Order #	Mfg. #	Size	Each
G35-715	381	1/2"	**14.99**
G35-716	382	3/4"	**19.99**

EMT Combination Couplings



- EMT set screw to flex
- Zinc die-cast
- **G35-717** fits 3/8" flex
- **G35-718** fits 1/2" flex

Order #	Mfg. #	Size	Each
G35-717	EMTNM-38	1/2"	**6.45**
G35-718	181	1/2"	**13.49**

EMT Straps



- Plated steel

Order #	Mfg. #	Size	Description	Each
G35-721	511	1/2"	1-Hole	**0.36**
G35-722	512	3/4"	1-Hole	**0.62**
G35-723	513	1"	1-Hole	**1.09**
G35-724	521TZ	1/2"	2-Hole	**0.27**
G35-725	522	3/4"	2-Hole	**0.44**

EMT Compression Couplings



- Concrete tight/rain tight
- Zinc die-cast

Order #	Mfg. #	Size	Each
G35-713	661S	1/2"	**2.79**
G35-714	662S	3/4"	**3.95**

Conduit Locknuts



- Plated steel

Order #	Mfg. #	Size	Each
G35-726	241	1/2"	**0.44**
G35-727	242	3/4"	**0.49**

Plastic Insulating Bushings



- 105°C rated

Order #	Mfg. #	Size	Each
G35-728	831TZ	1/2"	**0.36**
G35-729	832TZ	3/4"	**0.49**

Knockout Plugs



- Plated steel

Order #	Mfg. #	Size	Each
G35-730	KO50	1/2"	**0.93**
G35-731	KO51	3/4"	**1.25**

Ground Clamp



- Solid bronze

Order #	Mfg. #	Size	Description	Each
G35-732	620DB	1/2" to 1"	10-2 Wire Range	**22.49**

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Two-Hole Straps

NEW

- Heavy-duty steel
- Allows for a clean and professional installation



Order #	Size	Description	Pkg. Qty.	Each
G34-999	1/2"	Galvanized	1	0.16
G35-001	3/4"	Galvanized	1	0.20
G35-002	1"	Galvanized	1	0.47
G35-003	1-1/4"	Galvanized	1	0.62
G35-004	1-1/2"	Galvanized	1	0.69
G35-005	2"	Galvanized	1	0.73

Order #	Size	Description	Pkg. Qty.	Each
G37-704	1/2"	Plastic Coated	1	1.89
G37-705	3/4"	Plastic Coated	1	2.09
G37-706	1"	Plastic Coated	1	2.25
G38-523	1-1/4"	Plastic Coated	1	2.49
G38-524	1-1/2"	Plastic Coated	1	2.59
G37-707	2"	Plastic Coated	1	3.79

Romex® NM-B Non-Metallic Sheathed Cable

- Ground wire included
- Thermoplastic insulated for indoor use without conduit
- Price is per roll



Order #	Description	Length	Size
G89-763	2 Conductors w/Ground	50'	14
G89-764	2 Conductors w/Ground	50'	12
G89-785	2 Conductors w/Ground	50'	10
G89-944	2 Conductors w/Ground	250'	14
G80-542	3 Conductors w/Ground	250'	14

Order #	Description	Length	Size
G89-945	2 Conductors w/Ground	250'	12
G89-946	2 Conductors w/Ground	250'	10
G80-336	2 Conductors w/Ground	125'	8
G80-337	2 Conductors w/Ground	125'	6

Snap-in Bushings

- For knockouts
- All plastic



Order #	Mfg. #	Size	Each
G35-733	SB8758	1/2"	0.58
G35-734	SB109314	3/4"	0.62

Snap-In Grommets

NEW

- Safely route cables and wires through sharp edged cutouts
- Vinyl



Order #	Mfg. #	Size	Pkg. Qty.	Each
G38-526	GV08	1/2"	12	17.99
G38-527	GV12	3/4"	3	16.99

Conduit Nipples

- Zinc die-cast



Order #	Mfg. #	Size	Each
G35-735	751i	1/2"	2.85
G35-736	752i	3/4"	5.25

Steel Cable Staples

- Box of 100 for #12 or #14 NM–B



Order #	Mfg. #	Each
G31-615	625-183	9.95

NM Cable Connectors



- Zinc die-cast
- For NM and SEU cable

Order #	Mfg. #	Size	Description	Each
G35-737	120	3/8"	1/2" Knockout Size	**2.05**
G35-738	L-104	3/4"	3/4" Knockout Size	**3.49**
G37-768	143R	1"	1" Knockout Size	**6.45**
G36-641	145R	1-1/2"	1-1/2" Knockout Size	**10.49**

Flexible Steel Conduit



- Conforms with UL requirements for rust and corrosion resistance
- Lighter and easier to install than heavy wall listed conduit
- Flexible construction
- Fits all regular flexible conduit connectors
- For use with OmegaFlex® CounterStrike® as mechanical protection

Order #	Mfg. #	Size	Length	For Use With
G80-098	55081902	3/4"	100'	3/8"
G80-099	55091601	1"	50'	1/2"
G80-100	55091701	1-1/4"	50'	3/4"
G80-101	55091801	1-1/2"	25'	1"
G80-102	55091901	2"	25'	1-1/4"
G80-103	55092001	2-1/2"	25'	1-1/2"

Armorlite Aluminum Clad MC Cable



- Full size insulated with green ground
- Prewired — no wire pulling
- Flexible — no special bending, easier to work with in limited space
- Speeds installation and rewiring of electrical equipment

Order #	Size	Length
G89-884	12/2	100'
G80-327	14/2	100'

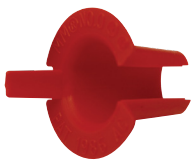
Flexible Aluminum Conduit



- Provides mechanical protection for conductors and cables
- 66% lighter than steel
- Cuts 80% faster than steel
- Smooth interior for easy wire pulling
- High strength aluminum alloy construction
- Superior corrosion resistance

Order #	Length	Description
G89-829	100'	Flex Conduit 3/8"
G89-830	100'	Flex Conduit 1/2"

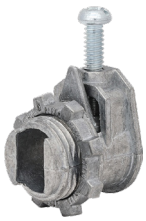
Anti-Short Bushing



- Plastic
- Insert into open end of conduit

Order #	Mfg. #	Size	Each
G38-426	TZ0	5/16"	**24.49**
G38-427	4	3/4"	**2.95**

Saddlegrip Connector



- Zinc die-cast
- For flex, AC or MC cable

Order #	Mfg. #	Size	Description	Each
G36-599	170TZ	3/8"	1/2" Knockout Size	**2.95**

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Squeeze Connectors

Southwire

- Zinc die-cast
- For flex, AC or MC cable



Order #	Mfg. #	Size	Description	Each
G35-740	150	3/8"	1/2" Knockout Size	2.49
G35-741	151TZ	1/2"	1/2" Knockout Size	3.25

Cable Connector

Southwire

- Zinc die-cast
- For NM, SE, MC and AC cable



Order #	Mfg. #	Size	Description	Each
G35-742	140TZ	3/8"	1/2" Knockout Size	2.95

Push-In Connectors

Southwire

- For NM cable
- Plastic



Order #	Mfg. #	Size	Description	Each
G35-743	457Y	3/8"	1/2" Knockout Size	1.09
G37-769	459	3/4"	3/4" Knockout Size	2.29

Non-Metallic Push-In Cable Connector

Southwire

- For NM and flexible cord
- Easy push-in installation in a new work box



Order #	Mfg. #	Size	Description	Each
G37-732	RCR75	3/8"	1/2" Knockout Size	1.59

Non-Metallic Cable Connector

Southwire

- For knockout terminations
- Plastic



Order #	Mfg. #	Size	Description	Each
G35-744	RCR50	3/8"	1/2" Knockout Size	1.35

Screw-in Connectors

Southwire

- Zinc die-cast
- For flexible metal conduit



Order #	Mfg. #	Size	Description	Each
G35-745	450i	3/8"	1/2" Knockout Size	2.79
G35-746	451i	1/2"	1/2" Knockout Size	2.75
G37-722	452i	3/4"	3/4"" Knockout Size	6.19

90° Connectors

Southwire

- Zinc die-cast
- For aluminum and steel flex, AC and MC cable



Order #	Mfg. #	Size	Description	Each
G35-747	100	3/8"	1/2" Knockout Size	3.65
G35-748	101	1/2"	1/2" Knockout Size	4.39
G37-723	102TZ	3/4"	3/4" Knockout Size	7.85

Liquid-Tight Metal Conduit



- Ultratite™ galvanized steel flexible conduit with ground wire
- Flame resistant, moisture proof, seals out weather, water, corrosive fumes, grease, dirt, etc.
- Suitable for direct burial and concrete encasement
- For motors, air conditioning and controls wherever protection against moisture and corrosion is required

Order #	Size	Length	Description	Each	10 Lot
G89-736	1/2"	50'	Conduit	**225.00**	**205.00**
G89-737	3/4"	50'	Conduit	**309.00**	**279.00**

Liquid-tight Connectors



A B

- Zinc die-cast
- For use with metallic and non-metallic liquid-tight conduit

Fig.	Order #	Mfg. #	Size	Each
A	**G35-749**	471S	1/2"	**9.99**
A	**G35-750**	472S	3/4"	**14.49**
B	**G35-751**	491S	1/2"	**16.49**
B	**G35-752**	492S	3/4"	**25.99**

Flexible Non-Metallic Conduit and Fittings



A B C

- Strong, lightweight, more flexible than metallic liquid-tight
- Strain, corrosion, crush, abrasion resistant
- Can be used for direct burial and concrete encasement

Fig.	Order #	Size	Length	Description	Each
A	**G89-851**	1/2"	100'	1/2" Conduit	**149.00**
A	**G89-852**	3/4"	100'	3/4" Conduit	**179.00**
B	**G31-693**	1/2"	—	1/2" Str. Connector	**3.49**
B	**G31-694**	3/4"	—	3/4" Str. Connector	**5.89**
C	**G31-695**	1/2"	—	1/2" 90° Connector	**8.45**
C	**G31-696**	3/4"	—	3/4" 90° Connector	**10.99**

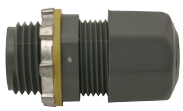
2-Piece Liquid Tite Fittings



- Easily adjustable without disassembly
- For use with non-metallic Type B Liquid Tite conduit

Order #	Mfg. #	Size	Description	Each
G38-098	750-2LTC50	1/2"	Straight	**3.85**
G38-099	750-2LTC75	3/4"	Straight	**5.45**
G38-100	750-2LTC9050	1/2"	90 Degree	**6.29**
G38-101	750-2LTC9075	3/4"	90 Degree	**9.25**

Non-Metallic Strain Relief Connectors



- NPT threads on body
- Liquid-tight and oil-tight
- Sealing ring and locknut sold separately

Order #	Mfg. #	Size	For Use With	Each
Connectors				
G31-702	LTF12	1/2"	18/2 to 12/3 SJ	**8.35**
G31-703	RLTF34	3/4"	14/3 to 10/3 SJ	**12.99**
Locknuts				
G38-428	711	1/2"	—	**3.45**
G38-429	712	3/4"	—	**4.49**

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Powerbox 1 Magnetic LED Power Strip

- Convenient power center for the jobsite
- Includes 4 AC outlets, 2 USB-A ports and a USB-C port for fast charging of cell phones, laptops and other compatible devices
- Built-in surge protection
- Integrated LED lights to illuminate work area
- 5-foot cord with extended strain relief for durability
- Powerful magnets for attaching to metal surfaces or use built-in hanging holes



Order #	Mfg. #	Each
H28-801	29601	**135.00**

Parallel Blade Ground Adapter

- Adapts three-wire tools, appliances, etc., to two-wire circuits
- "U" shaped ground screwed directly to outlet plate



Order #	Mfg. #	Each	25 Lot	50 Lot
G21-649	419GY	**3.55**	**3.25**	**2.95**

3-Outlet Power Block

- Meets OSHA requirements for indoor/outdoor use
- 2' long, heavy-duty 12/3 cord; 15A, 125VAC



Order #	Mfg. #	Each
G84-918	4112SW8802	**36.49**

Portable GFCI

- Meets National Electrical Code and OSHA requirements for GFCI protection for temporary wiring at job sites
- Water resistant housing; test and reset button
- 12 AWG, 3' in length with straight end



Order #	Mfg. #	Each
G89-972	26020008-6	**149.00**

Portable GFCI Cord with Tri-Source Plug

- Meets National Electrical Code and OSHA requirements for GFCI protection in temporary jobsite use
- Water resistant housing; test and reset button
- 12/3 SJTW gauge cord, 2' length with 90° end



Order #	Mfg. #	Each
G80-826	14880023-6	**125.00**

HVAC Service Center Kit

- GFCI outlet and switch for servicing air cleaners, humidifiers, UV lights and other accessories
- 8' whip allows for easy placement near equipment
- No assembly required



Order #	Mfg. #	Each
G81-084	HVACSC-1	**225.00**

Furnace Whip

- Pre-Assembled for quick and easy installation
- 8' conduit for flexible placement
- GFCI protected outlet
- Pre-wired switch for easy accessory wiring
- Mounting and installation hardware included



Order #	Mfg. #	Each
G81-158	FKM-12-8GFCI	**205.00**

Round 3-Wire Extension Cords



- Heavy-duty extension cords provide safety and long service
- Molded-on caps and connectors resist moisture and damage
- Tough vinyl jacket resists abrasion, weather and water
- Manufactured for rugged safe use in home, factory, office or farm
- Meets OSHA requirements

Order #	Length	Gauge	Amps	Color	Each
G84-686	25'	16/3SJTW	13	Orange	**46.49**
G84-687	50'	16/3SJTW	13	Orange	**85.00**
G84-688	100'	16/3SJTW	10	Orange	**149.00**

TriTap Extension Cords



- Clear molded ends with power indicator light
- Temperature rating of -40°F to 140°F (-40°C to 60°C)
- 125V

Order #	Mfg. #	Length	Gauge	Amps	Color	Each
G81-062	4187SW8802	25'	12/3SJTW	15	Yellow	**129.00**
G81-063	4188SW8802	50'	12/3SJTW	15	Yellow	**225.00**
G81-064	4189SW8802	100'	12/3SJTW	15	Yellow	**355.00**

Polar Solar Plus Extension Cords



- Resistant to oils and chemicals
- 1/3 lighter than other cords
- 2-1/2 times the abrasion resistance of other cords
- The most flexible cord at all temperatures — to -67°F
- Lighted connector shows the power is on

Order #	Length	Gauge	Amps	Color	Each
G80-308	25'	14/3SJEOW	15	Yellow	**99.00**
G80-309	50'	14/3SJEOW	15	Yellow	**179.00**
G80-310	100'	14/3SJEOW	13	Yellow	**319.00**
G80-311	25'	12/3SJEOW	15	Yellow	**125.00**
G80-312	50'	12/3SJEOW	15	Yellow	**219.00**
G80-313	100'	12/3SJEOW	15	Yellow	**405.00**

Window Air Conditioner Cord



- Molded parallel three-wire cord with molded vinyl right angle male cap
- Round grounding pin and parallel blades
- Stripped ends for easy connection

Order #	Mfg. #	Length	Gauge	Amps	Volts	Std. Pk.	Each
G81-071	89224	6'	14/3 SPT3	15	125	50	**19.49**

Window Air Conditioner and Appliance Extension Cords





- Molded parallel three-wire cord, molded vinyl male cap and connector
- Round grounding pin
- Meets NEMA and OSHA requirements

Order #	Length	Gauge	Amps	Volts	Cap	Wt. Lbs.	Std. Pk.	Each
G89-818	6'	14/3 SPT3	15	125	Angle	0.65	20	**42.99**
G84-975	9'	12/3 SPT3	20	250	Angle	1.08	25	**99.00**

Flat Power Supply Cords



- Molded parallel three-wire cords with molded vinyl male cap
- Round grounding pin and parallel blades
- Stripped ends for easy connection
- **G84-889** and **G84-890** have angle plugs
- 3-Conductor SPT, 125V

Order #	Length	Gauge	Amps	Color	Each
G84-889	4'	16/3 SPT3	13	Gray	**24.49**
G84-890	6'	16/3 SPT3	13	Gray	**27.49**
G89-846	3'	16/3 SPT3	13	Ivory	**26.99**
G89-847	6'	16/3 SPT3	13	Ivory	**39.99**

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Round General Purpose Power Supply Cords

Southwire

- Water resistant jacket
- Molded straight male cap with ground
- Stripped ends for easy connection
- Temperature range: -40°F to +140°F
- 3-Conductor SJTW, 125V



Order #	Length	Gauge	Amps	Color	Each
G80-991	6'	14/3	15	Black	**15.49**
G22-307	6'	16/3	13	Black	**32.49**
G21-036	9'	16/3	13	Black	**40.99**

Round Industrial Grade Power Supply Cords

Southwire

- Water and oil resistant
- Molded straight male cap with ground
- Stripped ends for easy connection
- Temperature range: -58°F to +221°F
- 3-Conductor SJEOW, 125V



Order #	Length	Gauge	Amps	Color	Each
G89-849	8'	16/3	13	Black	**75.00**
G89-850	8'	14/3	15	Black	**95.00**

Trouble Lamp

Southwire

- Ideal for shop use
- Premium trouble light
- Single outlet
- Maximum 75W, 125VAC
- 25' 16/3 SJT jacketed cord for maximum flexibility and toughness
- Replacement lamp **G84-883** (Mfg. #75A/RS) or **G84-998** (Mfg. #75A/RS/STG) must be purchased in multiples of two



Order #	Mfg. #	Each
G84-583	0691	**75.00**

Thermostat Wire

Southwire BARON

- Solid copper
- -20°C to 60°C
- 150V
- Color combination listed in order: white, red, green, blue, yellow, brown, orange, black, pink, gray, tan and purple



A



B

Fig.	Order #	Gauge	Conductors	Length	Type
A	**G89-768**	20	5	250'	Baro-Pack
A	**G89-770**	20	8	250'	Baro-Pack
B	**G80-227**	20	2	500'	Spool
B	**G80-228**	20	3	500'	Spool
B	**G80-229**	20	4	250'	Spool
B	**G80-230**	20	5	250'	Spool
B	**G80-231**	20	6	250'	Spool
B	**G80-232**	20	8	250'	Spool
B	**G80-233**	20	10	250'	Spool
A	**G89-834**	18	2	500'	Baro-Pack
A	**G89-835**	18	3	500'	Baro-Pack
A	**G89-836**	18	4	250'	Baro-Pack

Fig.	Order #	Gauge	Conductors	Length	Type
A	**G89-837**	18	5	250'	Baro-Pack
A	**G89-838**	18	6	250'	Baro-Pack
A	**G89-839**	18	8	250'	Baro-Pack
A	**G89-840**	18	10	250'	Baro-Pack
B	**G80-220**	18	2	500'	Spool
B	**G80-221**	18	3	500'	Spool
B	**G80-222**	18	4	250'	Spool
B	**G80-223**	18	5	250'	Spool
B	**G80-224**	18	6	250'	Spool
B	**G80-225**	18	8	250'	Spool
B	**G80-226**	18	10	250'	Spool
B	**G80-537**	18	12	250'	Spool

TFFN and THHN Wire



- Soft drawn stranded copper
- 600V general purpose wire
- Thermoplastic insulated
- Rated 90°C dry
- 500' lengths come on spools; 100' length come in coil pack bags

Order #	Gauge	Length	Type	Color
G80-751	16	500'	TFFN	White
G80-756	16	500'	TFFN	Black
G80-753	16	500'	TFFN	Red
G80-752	16	500'	TFFN	Yellow
G80-755	16	500'	TFFN	Blue
G80-754	16	500'	TFFN	Green
G84-952	14	100'	THHN	White
G84-953	14	100'	THHN	Black
G84-954	14	100'	THHN	Red
G84-955	14	100'	THHN	Yellow
G84-957	14	100'	THHN	Green

Order #	Gauge	Length	Type	Color
G84-946	12	100'	THHN	White
G84-947	12	100'	THHN	Black
G84-948	12	100'	THHN	Red
G80-757	12	500'	THHN	Yellow
G84-951	12	100'	THHN	Green
G84-979	10	100'	THHN	White
G84-980	10	100'	THHN	Black
G84-981	10	100'	THHN	Red
G84-984	10	100'	THHN	Green
G89-802	8	100'	THHN	Black
G89-803	8	100'	THHN	Red

General Purpose Service Wire



- Rated as 105°C, 300V
- SJEOW stranded copper conductor
- Portable cord for lamp repair, extension cords, power tools, motor hook-up, etc.

Order #	Gauge	Conductors	Max. Amps	Color	Spool Size	Each
G89-743	16	3	10	Black	250'	**469.00**
G89-745	14	3	15	Black	250'	**659.00**
G89-746	12	3	20	Black	250'	**895.00**
G80-167	18	4	7	Black	250'	**455.00**

Shielded Plenum Cable



- For use in thermostat controls, heating and air conditioning units, security systems, doorbells, intercom systems and low voltage applications where riser or plenum cable is required
- UL listed type CL3P/CL3P/CMP, -20°C to 75°C
- Stranded
- 300V
- **G80-291** can be used for permanent installation of mini-splits in low voltage applications

Order #	Gauge	Conductors	Spool Size	Each
G80-095	18	2	500'	**375.00**
G80-104	18	3	500'	**565.00**

Order #	Gauge	Conductors	Spool Size	Each
G80-291	18	4	500'	**669.00**
G80-105	18	6	500'	**985.00**

Baro-Split Shielded Low Voltage Cable



- Stranded BC wire
- For use in thermostat controls for carrying an “ON” or “OFF” signal from a thermostat to the furnace and compressor
- Foil wrapped around its conductors to prevent electronic interference and protect signal integrity
- 150V
- UL listed type CMR/CL2R/CL3R, -20°C to 75°C
- 300V

Order #	Gauge	Conductors	Spool Size	Each
G80-106	18	2	500'	**385.00**
G80-107	18	3	500'	**535.00**

Order #	Gauge	Conductors	Spool Size	Each
G80-108	18	6	500'	**945.00**
G80-536	18	4	500'	**669.00**

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Plenum Wire

- Doesn't require conduit to install in air plenums; saves up to 50% installation costs versus traditional conduit and wire application
- Solid copper
- 150V
- UL-CMP/CL2P/CL3P



Order #	Gauge	Conductors	Spool Size	Each
G80-535	18	2	500'	**275.00**
G89-941	18	4	250'	**225.00**

Order #	Gauge	Conductors	Spool Size	Each
G89-942	18	6	250'	**305.00**
G89-943	18	8	250'	**395.00**

Mini-Split Tray Cable

- THHN control tray cable
- Designed to meet manufacturer's specifications when installed in raceways
- Meets national codes for indoor or outdoor use
- PVC jacket for UV and direct burial
- 600V, -25°C to 90°C



Order #	Description	Gauge	Conductors	Length	Each
G80-540	Bag	14	4/Solid	50'	**199.00**
G95-097	Spool	14	4/Solid	250'	**755.00**
G80-774	Bag	14	4/Stranded	50'	**145.00**
G95-156	Spool	14	4/Stranded	250'	**655.00**

EZ-IN™ Mini-Split Cable

- Can be installed indoors and out in wet locations without the use of conduit
- Stranded bare copper THHN/THWN conductors with PVC insulation and Nylon jacket cabled together with interlocking armor
- Moisture and sunlight resistant, with a flame resistant PVC jacket applied over the armor
- Direct burial
- 600V, -25°C to 90°C
- **G80-946** & **G80-947** are shielded



Order #	Description	Gauge	Conductors	Length	Each
Unshielded					
G80-728	Bag	14	4	50'	**265.00**
G80-729	Spool	14	4	250'	**1299.00**
Shielded					
G80-946	Bag	14	4	50'	**345.00**
G80-947	Spool	14	4	250'	**1545.00**

Liquid-tight, Concrete Tight MC Cable Connectors

- For PVC jacketed MC cable
- Fits #10, #12 and #14 size cable
- Heavy-duty zinc diecast construction
- UL Listed
- Wet or dry



A B

Fig.	Order #	Description	Each
A	**G37-621**	1/2" Straight	**35.99**
B	**G37-628**	1/2" 90°	**45.99**



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Thermostat Wire



- Solid copper conductors
- PVC jacket
- 150V
- -20°C to 60°C
- CL2, Sunlight Resistant
- Color combination listed in order: red, white, green, blue, yellow, brown, orange, black, pink, gray, tan, purple

Order #	Mfg. #	Gauge	Conductors	Length	Type
G81-095	47015807	20	2	500'	Bag
G81-096	47025807	20	3	500'	Bag
G81-097	47030907	20	4	250'	Bag
G81-098	47040907	20	5	250'	Bag
G81-099	47050907	20	6	250'	Bag
G81-100	47070907	20	8	250'	Bag
G81-101	47014807	20	2	500'	Reel
G81-102	47024807	20	3	500'	Reel
G81-103	47030307	20	4	250'	Reel
G81-104	47040307	20	5	250'	Reel
G81-105	47050307	20	6	250'	Reel
G81-106	47060307	20	7	250'	Reel
G81-107	47070307	20	8	250'	Reel
G81-108	47105807	18	2	500'	Bag
G81-109	47115807	18	3	500'	Bag
G81-110	47120907	18	4	250'	Bag

Order #	Mfg. #	Gauge	Conductors	Length	Type
G81-111	47130907	18	5	250'	Bag
G81-112	47140907	18	6	250'	Bag
G81-113	47150907	18	7	250'	Bag
G81-114	47164607	18	8	125'	Bag
G81-115	47160907	18	8	250'	Bag
G81-116	47104807	18	2	500'	Reel
G81-117	47114807	18	3	500'	Reel
G81-118	47120307	18	4	250'	Reel
G81-119	47130307	18	5	250'	Reel
G81-120	47140307	18	6	250'	Reel
G81-121	47150307	18	7	250'	Reel
G81-122	47160307	18	8	250'	Reel
G81-123	47162507	18	8	2500'	Reel
G81-124	47170307	18	9	250'	Reel
G81-125	47180307	18	10	250'	Reel
G81-126	47190107	18	12	250'	Reel

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Plenum Wire



- Solid copper conductors
- Listing: CL2P
- 150V
- Color combination listed in order: Red, White, Green, Blue, Yellow, Brown, Orange, Black, Pink, Gray

Order #	Mfg. #	Gauge	Conductors	Type	Spool Size
G81-127	47604812	18	2	Reel	250'
G81-128	47614812	18	3	Reel	250'
G81-129	47620312	18	4	Reel	250'
G81-130	47630312	18	5	Reel	250'

Order #	Mfg. #	Gauge	Conductors	Type	Spool Size
G81-131	47640312	18	6	Reel	250'
G81-132	47660312	18	8	Reel	250'
G81-133	47680312	18	10	Reel	250'

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Mini-Split Tray Cable Wire



- THHN control tray cable
- Waterproof jacket
- Sunlight resistant, direct burial, type TC ER JP
- Stranded copper conductors
- Color combination listed in order: black, white, red, green, brown, blue, orange

Order #	Mfg. #	Description	Gauge	Conductors	Length
G81-134	10680108	Reel	16	4	250'
G81-135	10683908	Coil	16	4	50'
G81-136	10690108	Reel	14	3	250'
G81-137	10693908	Coil	14	3	50'
G81-138	10700108	Reel	14	4	250'
G81-139	10701008	Reel	14	4	1000'
G81-140	10703908	Coil	14	4	50'
G81-141	10730108	Reel	14	7	250'
G81-142	10733908	Coil	14	7	50'

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SPINALCORD™ Jacketed Mini-Split Wire



- Type MC, direct burial, sunlight resistant, oil resistant
- Shielded stranded bare copper THHN conductor
- Aluminum metal cladding
- 600V
- -20°C to 90°C dry / 75°C wet
- Color combination listed in order: black, white, red, green

Order #	Mfg. #	Gauge	Conductors	Length	Type
G81-143	10753908	14	4	50'	Coil
G81-144	10750108	14	4	250'	Reel
G81-145	10751008	14	4	1000'	Reel

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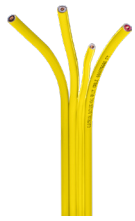
Duckt-Strip Mini Split Cables

- Rip-N-Strip™ technology separates the conductors without cutting tools
- Dual-rated power and communication
- Interior/exterior compliant
- Insulated condutors isolate signals to prevent AC/DC crosstalk
- UV-resistant outer jacket
- Universal connector available for outdoor applications
- Color-coded wires



Order #	Mfg. #	Description	Gauge	Conductors	Length	Each
B88-079	DUCKT1404CPK100	Shrink Wrapped Coil	14	4	100'	**545.00**
B88-080	DUCKT1404PB250	Pull Box Reel in Box	14	4	250'	**1399.00**
B88-081	DUCKT1404500	Reel	14	4	500'	**2799.00**
G38-508	DUCKTCONNPKUNI	Universal Indoor/Outdoor Connector	—	—	—	**45.49**

Silicone High Voltage Cable

- 250°C, 20,000VDC, 16-gauge
- 25' box



Order #	Description	Each
G31-613	Silicone Cable 25' Box	**145.00**

Range Wire

- Heat, flame and moisture resistant, 300V, 200°C



Order #	Gauge	Conductors	Length	Each
G21-380	14	3/Stranded	25'	**139.00**

High Temperature Appliance Wire

- Glass insulation, 600V, 450°C
- Nickel coated copper flexible stranding mica/glass insulation



Order #	Gauge	Stranding	Length	Each
G21-384	14	41/0100	25'	**125.00**
G21-385	12	65/0100	25'	**235.00**

Nickel Coated Hinge Wire

- Glass outer braid, 300V, 200°C



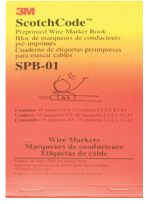
Order #	Gauge	Stranding	Length	Each
G21-375	18	16/0100	25'	**95.00**
G21-376	16	26/0100	25'	**89.00**
G21-377	14	41/0100	25'	**95.00**
G21-378	12	65/0100	25'	**145.00**
G21-379	10	105/0100	25'	**185.00**

Wire Markers

- Use to organize and separate wires
- **G31-846** includes 45 each of numbers zero through nine, and 15 each of L1 to T3; Post-It Notes® included



A



B

Fig.	Order #	Mfg. #	Description	Each
A	**G31-278**	STD0-9	Dispenser (10 rolls, #0–9)	**139.00**
B	**G31-846**	SPB-01	Preprinted Wire Marker Book	**69.00**

Raychem

FrostGuard Pre-Assembled Heating Cables


A


B

- Suitable for short pipe freeze protection jobs and small problem area roof de-icing such as overhangs and porches where plug-in convenience is required
- Easy to install and time saving
- Now with a 6 foot extension cord and lighted plug (120 volt)
- 120V Gardian is available in lengths of 6, 12, 18, 24, 36, 50, 75 and 100 feet
- 240V FrostGuard is available in lengths of 6, 12, 18 and 24 feet for pipes only with 6 foot cold lead

Fig.	Order #	Mfg. #	Volts	Watts	Length	Each
120 Volt						
A	**G80-964**	FG1-6P	120	36	6’	**255.00**
A	**G80-965**	FG1-12P	120	72	12’	**325.00**
A	**G80-966**	FG1-18P	120	108	18’	**405.00**
A	**G80-967**	FG1-24P	120	144	24’	**485.00**
A	**G80-968**	FG1-36P	120	216	36’	**595.00**
A	**G80-969**	FG1-50P	120	300	50’	**765.00**
A	**G80-970**	FG1-75P	120	450	75’	**1099.00**
A	**G80-971**	FG1-100P	120	600	100’	**1399.00**
240 Volt						
B	**G80-972**	FG2-6L	240	36	6’	**265.00**
B	**G80-973**	FG2-12L	240	72	12’	**349.00**
B	**G80-974**	FG2-18L	240	108	18’	**435.00**
B	**G80-975**	FG2-24L	240	144	24’	**525.00**

CHROMALOX
Advanced Thermal Technologies

Thermwire-Wrap® 16 Gauge Pipe Heating Cable



- For metal or plastic pipe up to 8" in diameter in dry environments only
- Self-regulating
- 16 AWG buss wires with metallic braid
- 6 watts/ft. at 40°F, 120 or 240VAC
- No thermostat required, but for best results, use thermostat to turn ON and OFF
- Overlap, cut to length
- UL listed when installed with Thermwire® accessories shown below
- **G32-122** and **G32-124** truck pack includes 100' of cable, two power connection kits, one splice and tee kit and one roll of application tape
- All heating cable circuits should use ground protection devices
- Contact your local Johnstone Supply for per foot pricing on heating cable

Order #	Mfg. #	Description	Volts	Length	Max. Circuit Length	Each
G32-121	TW6-1C-050	Pipe Cable	120	50'	200'	**485.00**
G32-122	TW6-1C-EZP	Pipe Cable	120	100'	200'	**979.00**
G80-005	TW6-1C-250	Pipe Cable	120	250'	200'	**1999.00**
G80-006	TW6-1C-250-1'	Pipe Cable	120	Per Ft.	200'	**12.99**
G32-123	TW6-2C-050	Pipe Cable	240	50'	350'	**519.00**
G32-124	TW6-2C-EZP	Pipe Cable	240	100'	350'	**1045.00**
G80-007	TW6-2C-250	Pipe Cable	240	250'	350'	**2045.00**
G80-008	TW6-2C-250-1'	Pipe Cable	240	Per Ft.	350'	**13.49**

CHROMALOX
Advanced Thermal Technologies

Thermwire Melt® and Thermwire-Wrap® Accessories

- For 16 gauge, 6 watt heating cables
- Secure heating cable with **G21-201** cloth tape on metal pipe or **G89-932** aluminum tape on plastic pipe
- **G33-915** converts standard outlet into temperature controlled switch; power turns on at 35°F and off at 45°F Outlet


A


B


C


D


E


F

Fig.	Order #	Mfg. #	Description	Each
A	**G32-096**	RG-PK-PAK	Power Connection	**179.00**
B	**G32-094**	RG-SK-PAK	Splice and Tee Kit, 2 per Pack	**135.00**
C	**G32-095**	RG-EK-PAK	End Seal Kit, 3 per Pack	**155.00**
D	**G31-862**	RCK-1	Roof Clip Kit, 5 per Pack	**26.99**
E	**G32-092**	RDK-PAK	Downspout Hanger Kit, 3 per Pack	**59.00**
F	**G33-915**	TW-TC-35	Thermocube Outlet (35°F On & 45°F Off)	**79.00**

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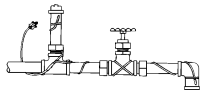
Safe-T-Wrap® 20 Gauge Pipe Heating Cable

CHROMALOX Advanced Thermal Technologies

- Braid covered heat cable
- For dry environments
- Self-regulating
- No thermostat required, but for best result, use thermostat to turn ON and OFF
- Can be overlapped without burnouts
- 100', 120VAC, 3 watts/ft. at +40°F
- Maximum circuit length = 150'
- UL listed and CSA certified when installed with the SAFE-T-MELT® accessories shown below
- For use on metal and non-metal pipes
- Tinned copper braid provides positive grounded metal covering
- All heating cable circuits should use ground protection devices





Order #	Mfg. #	Each
G31-645	STW-100B	**505.00**

Accessories For Safe-T-Wrap® Heat Cable

CHROMALOX Advanced Thermal Technologies

- For use with 20 AWG **G31-645** pipe heating cable only



A



B

Fig.	Order #	Mfg. #	Description	Each
A	**G32-274**	PEC-1	Plug and End Cap	**22.49**

Fig.	Order #	Mfg. #	Description	Each
B	**G31-093**	LSK-3	In-Line Splice Kit	**145.00**

Thermwire Melt® 16 Gauge Snow and Ice Melting Cable

CHROMALOX Advanced Thermal Technologies

- Self-regulating
- For metal or plastic pipe up to 8" in diameter in wet environments
- For drain lines in walk-in coolers and freezers in commercial refrigeration applications
- 16 AWG buss wires with insulating jacket, metallic braid and a waterproof overjacket
- Maximum circuit length: 120V – 150', 240V – 250'
- For roof and gutter de-icing
- 6 watts/ft. at 40°F, 120 or 240VAC
- No thermostat required but for best results, use thermostat to turn ON and OFF
- Overlap, cut to length
- UL listed when installed with Thermwire® accessories
- Truck pack includes: 100 feet of cable, two power connection kits and one splice and tee kit
- All heating cable circuits should use ground protection devices



Order #	Mfg. #	Description	Volts	Length	Max. Circuit Length	Each
G32-102	TW6-ICR-EZP	Heat Cable	120	100'	150'	**1199.00**
G32-097	TW6-2CR-EZP	Heat Cable	240	100'	250'	**1299.00**

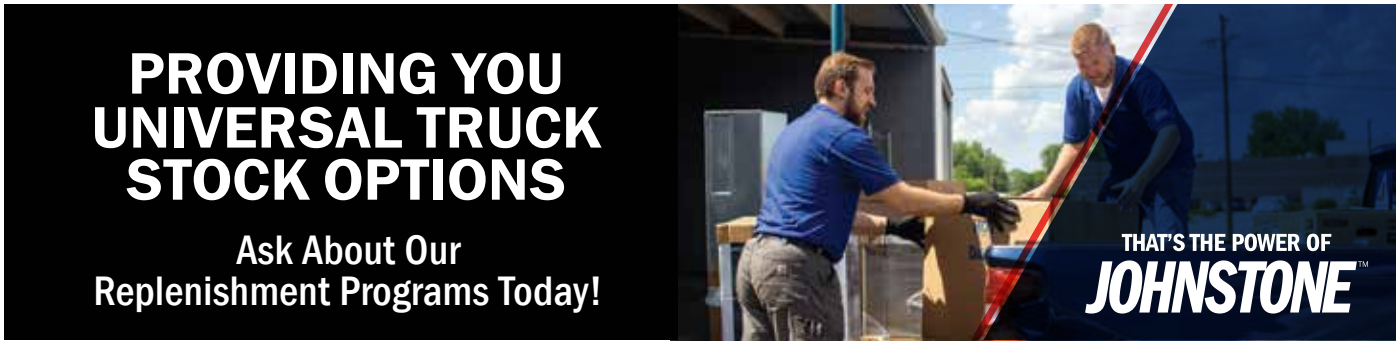
Scotchlok™ Connectors

3M

- For connecting and insulating two or three wire ends
- For 22-14 AWG wire
- Flame retardant
- **G36-256** is grease filled to protect against corrosion in damp conditions
- 50 per package; pricing is per package



Order #	Mfg. #	Each
G36-154	314U-BOX	**129.00**



molex



Split Bolt Connectors

- Rated for: copper to copper connections
- Two per package
- Pricing is per package

Order #	Mfg. #	Each	5 Lot	10 Lot
G31-829	S-8-J2 #16-8 STR	21.49	19.49	17.49
G31-830	S-6-J2 #16-6 SOL	34.99	31.49	28.49

Southwire



Cable Clamps

- Weather-resistant black nylon for indoor/ outdoor mounting applications
- Fully radiused inside edges
- Pricing is per package of 100

Order #	Description	Each
G36-172	1/4" Clamp	20.49
G31-879	3/8" Clamp	20.49
G36-627	1/2" Clamp	25.99

molex



Solderless Copper Terminal Lugs

50 Amp Rating

- One hole, single collar
- Unique design of the concave pressure bar and V-bottom collar assures positive contact and firm, permanent grip
- Conductor range: 6, 8, 10, 12, 14
- Pricing is per package of five

Order #	Mfg. #	Each	5 Lot	10 Lot
G32-353	SLU-35J5	45.49	40.99	36.99



18" Test Lead “Jumper” Wires

- Packaged pair of red and black insulated and assembled jumper wires for testing motors, controls, etc.
- Pricing is per pair

Order #	Mfg. #	Each
G31-612	IJW18	13.49

Southwire



Wire and Duct Ties

- One-piece molded virgin nylon
- Tapered, flexible ties slip easily around wire bundles and through self-locking head for a quickly applied permanent tie
- Serviceable to 185°F
- Federal Military Specifications approved
- Pricing is per package
- Plenum rated

Order #	Mfg. #	Length	Max. Diam.	Tensile Strength	Color	Type	Pkg. Qty.	Each
G22-274	BL4M9-C	4.1"	5/8"	18 Lbs.	Natural	General Purpose	100	4.15
G22-275	BL5I9-C	5.8"	1-1/4"	30 Lbs.	Natural	General Purpose	100	9.45
G36-662	BL5I9-M	5.8"	1-1/4"	30 Lbs.	Natural	General Purpose	1000	65.00
G22-276	BL7S9-C	7.6"	1-3/4"	50 Lbs.	Natural	General Purpose	100	11.49
G35-792	BL7S9-M	7.6"	1-3/4"	50 lbs.	Natural	General Purpose	1000	85.00
G22-852	BL11S9-C	11.1"	3"	50 Lbs.	Natural	General Purpose	100	15.49
G31-191	BL14S9-C	14.6"	4"	50 Lbs.	Natural	General Purpose	100	20.49
G80-002	BL36H9-L	36"	10-3/4"	175 Lbs.	Natural	Heavy-Duty	50	38.99
G95-040	BL48H9-L	48"	15"	175 Lbs.	Natural	Heavy-Duty	50	75.00
G80-316	BL36H0-L	36"	10-3/4"	175 Lbs.	Black	Heavy-Duty/UV	50	42.99
G80-317	BL48H0-L	48"	15"	175 Lbs.	Black	Heavy-Duty/UV	50	75.00
G22-853	BL5I0-C	5.6"	1-1/4"	30 Lbs.	Black	UV Resistant	100	9.45
G22-854	BL7S0-C	7.6"	1-3/4"	50 Lbs.	Black	UV Resistant	100	11.49
G35-768	BL7S0-M	7.6"	1-3/4"	50 lbs.	Black	UV Resistant	1000	89.00
G31-579	BL11S0-C	11.1"	3"	50 Lbs.	Black	UV Resistant	100	15.49
G22-855	BL14S0-C	14.6"	4"	50 Lbs.	Black	UV Resistant	100	20.99

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Mounting Hole Ties

- Easy anchoring of tie to surface
- Pricing is per package
- Plenum rated



Order #	Mfg. #	Length	Max. Diam.	Tensile Strength	Color	Mounting Head Screw Size	Pkg. Qty.	Each
G31-194	BL5IMH9-C	5.9"	1-1/4"	30 Lbs.	Natural	#8	100	**16.99**
G31-195	BL7SMH9-C	8.1"	1-3/4"	50 Lbs.	Natural	#10	100	**18.99**
G35-537	BL7SMH0-C	8.1"	1-3/4"	50 Lbs.	Black	#10	100	**20.49**
G31-196	BL14SMH9-C	15"	4"	50 Lbs.	Natural	#10	100	**38.49**
G31-197	BL14LMH9-C	15.70"	4"	120 Lbs.	Natural	1/4"	100	**41.99**

Cable Tie Mounting Base

- 1" x 1" adhesive backed mounting base
- For use with 18 to 50 lb. cable ties
- Natural colored nylon
- Sold in packs of 100



Order #	Mfg. #	Each
G80-130	BLMPS9-C	**35.49**

Cable Tie Assortment Packs

- Three most popular sizes in a resealable vinyl pouch
- Includes 200 5" ties with 1-1/2" bundle diameter, 200 8" ties with 2" bundle diameter, and 50 11" ties with 3" bundle diameter



A



B

Fig.	Order #	Mfg. #	Color	Type	Each
A	**G31-599**	BLTP57119-450	Natural	—	**47.99**
B	**G31-600**	BLTP57110-450	Black	UV Resistant	**48.99**

Temflex™ 175 Vinyl Electrical Tape

- Resists abrasion, moisture, alkalis, solvents and acids
- Flame-retardant and inhibits the corrosion of electrical conductors
- Made of durable PVC
- Compatible with rubber and synthetic splicing compounds
- Withstands a temperature range of 19 to 194°F (-7 to 90 °C)
- UL Listed and CSA Certified
- 7-mil thick
- 3/4" x 60' roll



Order #	Mfg. #	Description	Each
G38-311	175BK4A	PVC 3/4"	**5.29**

Scotch Super 33+ Electrical Tape

- Wraps and conforms in continuous temperatures of 0°F to 220°F
- Resists ultraviolet, abrasion, alkalis, acids and corrosion
- Provides moisture-tight electrical and mechanical protection
- Use as primary electrical insulation for wire, cable splices to 600V
- 3/4" x 76' roll



Order #	Description	Each
G21-197	#33 Black	**20.49**

Scotch 2242 Linerless Splicing Tape

- All-purpose linerless splicing compound rubber tape for all jobs: low voltage splicing, insulating bus bars, jacketing, insulation
- Scotch splicing compound has no liner or backing to get in the way and slow you down
- Easy unwind and the ability to wrap it quickly can save money and make tough jobs easier
- The only rubber tape you need to insulate, jacket or moisture seal
- 3/4" x 15' roll



Order #	Description	Each
G31-233	Scotch 2242 3/4"	**29.99**

Scotch 27 Glass Cloth Tape



- This high-temperature glass cloth tape has thermosetting pressure-sensitive adhesive designed to perform at class B temperature (130°C, 266°F)
- Provides heat-stable insulation for "hot-spot" applications such as furnace and oven controls, motor leads and switches
- 0.007 thickness
- 1/2" x 66' roll

Order #	Description	Each
G21-201	#27 1/2"	**49.99**

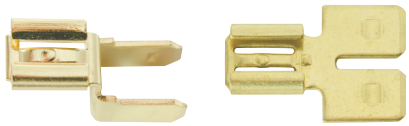
Colored Marking Tape



- Six colors to match standard thermostat wire color code
- For wire marking, phase identification and electrical insulation
- Flame-retardant and weather resistant
- Each roll 1/2" wide x 240" long

Order #	Mfg. #	Width	Color	Each
G32-061	10224	1/2"	Red	**8.79**
G32-058	10232	1/2"	White	**8.79**
G32-056	10265	1/2"	Green	**8.79**
G32-059	10240	1/2"	Blue	**8.79**
G32-057	10257	1/2"	Yellow	**8.79**
G32-060	10299	1/2"	Brown	**8.79**

Terminal Multi-Pliers



- For converting one male tab to two male tabs
- Pricing is per package

Fig.	Order #	Description	Pkg. Qty.	Each	5 Lot	10 Lot
A	**G21-414**	Chair	10	**12.99**	**11.49**	**10.49**
B	**G21-413**	Flat	100	**49.99**	**44.99**	**40.49**
B	**G31-929**	Flat	25	**17.49**	**15.99**	**13.99**

Male/Female Multi-Stack Disconnects



- Vinyl insulated butted seam
- Pricing is per package

Order #	Wire Gauge	Size	Pkg. Qty.	Each	5 Lot	10 Lot
G31-962	22-18	0.25	25	**20.49**	**18.49**	**16.99**
G31-287	16-14	0.25	100	**65.00**	**55.00**	**47.99**
G31-963	16-14	0.25	25	**19.49**	**17.49**	**15.99**

Compressor Terminals



- Pricing is per package

Order #	Wire Gauge	Size	Pkg. Qty.	Each	5 Lot	10 Lot
G31-289	12-8	0.25	10	**12.99**	**11.49**	**10.49**
G31-290	16-14	0.25	25	**14.99**	**13.49**	**12.49**

Double Row Terminal Blocks

20 Amp, 300 Volt Rated



- 20 Amp, 300 Volt Rated
- Screws 6–32 binder head, nickel plated steel
- 3/8" centers
- 14-22 AWG solid/stranded wire recommended
- Black thermoplastic construction

Order #	Poles	Volts	Amps	Each	5 Lot	10 Lot
G32-354	4	300	20	**16.49**	**14.49**	**13.49**
G32-355	6	300	20	**19.49**	**17.49**	**15.99**

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Heat Shrinkable Tubing

molex

- Thin wall, flexible polyolefin, handy 6" length
- Rated: -67°F to +275°F; shrink ratio 2:1
- Equal portions of red, white, black and clear pieces in mix
- Pricing is per package
- Size is at preshrink



Order #	Size	Pkg. Qty.	Each	5 Lot	10 Lot
G31-347	3/16"	24	**55.00**	**48.49**	**43.49**
G31-348	1/4"	20	**55.00**	**48.49**	**43.49**
G31-349	3/8"	16	**55.00**	**48.49**	**43.49**
G31-350	1/2"	12	**55.00**	**48.49**	**43.49**
G31-351	3/4"	12	**55.00**	**48.49**	**43.49**
G31-352	1"	8	**55.00**	**48.49**	**43.49**

Heat Shrink Butt Connectors

molex

- Pricing is per package

Order #	Wire Gauge	Color	Pkg. Qty.	Each	5 Lot	10 Lot
G31-641	22-18	Red	5	**11.99**	**10.49**	**9.39**
G31-642	16-14	Blue	5	**13.49**	**11.99**	**10.99**
G31-643	12-10	Yellow	5	**15.49**	**13.99**	**12.49**

Solderless Terminal Kit

molex

- Labeled, high impact polypropylene case with 18 compartments
- The kit contains 25 each of the most popular terminals used: **G31-943**, **G31-941**, **G31-959**, **G31-939**, **G31-934**, **G31-961**, **G31-951**, **G31-938**, **G31-956**, **G31-929**, **G31-940**, **G31-931**, **G31-949**, **G31-963**, **G31-952**, **G31-932**, **G31-942** and **G31-950**



Order #	Mfg. #	Each
G31-973	JKIT	**229.00**

Standard Temperature Terminals

molex

- Temperature range: -40°F to +220°F on continuous duty and up to 300°F on intermittent duty
- Pricing is per package

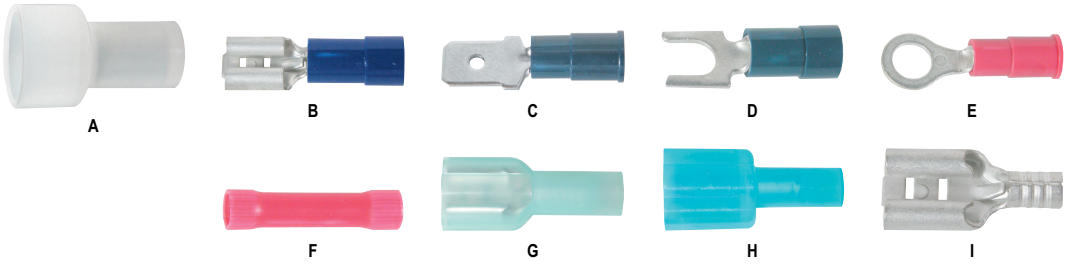

Fig.	Order #	Insulation	Wire Gauge	Size	Description	Pkg. Qty.	Each	5 Lot	10 Lot
A	**G31-931**	Nylon	22-14	—	Pigtail Connection	25	**15.49**	**13.99**	**12.49**
A	**G21-418**	Nylon	22-14	—	Pigtail Connection	100	**41.49**	**37.49**	**33.49**
A	**G31-932**	Nylon	18-10	—	Pigtail Connection	25	**18.49**	**16.49**	**14.99**
A	**G21-417**	Nylon	18-10	—	Pigtail Connection	100	**55.00**	**46.49**	**41.99**
B	**G21-434**	Vinyl	16-14	0.187	Female Disconnect	100	**47.49**	**42.99**	**38.49**
B	**G31-946**	Vinyl	16-14	0.187	Female Disconnect	25	**16.49**	**14.49**	**13.49**
B	**G21-431**	Vinyl	16-14	0.250	Female Disconnect	100	**48.49**	**43.49**	**38.99**
B	**G31-943**	Vinyl	16-14	0.250	Female Disconnect	25	**17.49**	**15.49**	**13.99**
B	**G31-285**	Vinyl	12-10	0.250	Female Disconnect	100	**65.00**	**59.00**	**55.00**
B	**G31-961**	Vinyl	12-10	0.250	Female Disconnect	25	**19.99**	**17.99**	**15.99**
C	**G31-945**	Vinyl	16-14	0.187	Male Disconnect	25	**20.49**	**18.49**	**16.99**
C	**G21-432**	Vinyl	16-14	0.250	Male Disconnect	100	**59.00**	**49.99**	**44.99**
C	**G31-944**	Vinyl	16-14	0.250	Male Disconnect	25	**18.99**	**16.99**	**15.49**
C	**G31-964**	Vinyl	12-10	0.250	Male Disconnect	25	**23.49**	**20.99**	**18.99**
D	**G21-441**	Vinyl	16-14	8–10	Fork Terminal	100	**55.00**	**46.99**	**42.49**
D	**G31-951**	Vinyl	16-14	8–10	Fork Terminal	25	**19.99**	**17.99**	**16.49**
D	**G21-443**	Vinyl	12-10	8–10	Fork Terminal	100	**85.00**	**75.00**	**69.00**
D	**G31-952**	Vinyl	12-10	8–10	Fork Terminal	25	**24.49**	**21.99**	**19.99**
E	**G31-947**	Vinyl	22-18	10	Ring Terminal	25	**17.49**	**15.99**	**14.49**
E	**G31-948**	Vinyl	16-14	4–6	Ring Terminal	25	**16.99**	**14.99**	**13.49**
E	**G21-438**	Vinyl	16-14	8–10	Ring Terminal	100	**55.00**	**45.49**	**40.99**

continued on next page

Fig.	Order #	Insulation	Wire Gauge	Size	Description	Pkg. Qty.	Each	5 Lot	10 Lot
E	**G31-949**	Vinyl	16-14	8–10	Ring Terminal	25	**17.49**	**15.49**	**13.99**
E	**G21-440**	Vinyl	12-10	8–10	Ring Terminal	100	**75.00**	**65.00**	**59.00**
E	**G31-950**	Vinyl	12-10	8–10	Ring Terminal	25	**15.49**	**13.99**	**12.99**
E	**G22-865**	Nylon	8	1/4"	Ring Terminal	50	**75.00**	**65.00**	**59.00**
E	**G31-969**	Nylon	8	1/4"	Ring Terminal	10	**19.99**	**17.99**	**15.99**
E	**G31-970**	Nylon	6	1/4"	Ring Terminal	10	**25.99**	**23.49**	**20.99**
F	**G21-428**	Vinyl	22-18	—	Butt Connector	100	**59.00**	**49.99**	**44.99**
F	**G31-940**	Vinyl	22-18	—	Butt Connector	25	**17.99**	**15.99**	**14.49**
F	**G21-429**	Vinyl	16-14	—	Butt Connector	100	**59.00**	**55.00**	**47.49**
F	**G31-941**	Vinyl	16-14	—	Butt Connector	25	**19.49**	**17.49**	**15.99**
F	**G21-430**	Vinyl	12-10	—	Butt Connector	100	**89.00**	**79.00**	**75.00**
F	**G31-942**	Vinyl	12-10	—	Butt Connector	25	**25.99**	**23.49**	**20.99**
G	**G22-633**	Nylon	16-14	0.250	Female Disconnect	100	**65.00**	**59.00**	**55.00**
G	**G31-956**	Nylon	16-14	0.250	Female Disconnect	25	**20.99**	**18.99**	**16.99**
G	**G22-710**	Nylon	12-10	0.250	Female Disconnect	100	**85.00**	**75.00**	**69.00**
G	**G31-958**	Nylon	12-10	0.250	Female Disconnect	25	**23.99**	**21.99**	**19.49**
H	**G22-634**	Nylon	16-14	0.250	Male Disconnect	100	**85.00**	**79.00**	**69.00**
H	**G31-957**	Nylon	16-14	0.250	Male Disconnect	25	**24.99**	**22.49**	**20.49**
H	**G31-925**	Nylon	12-10	0.250	Male Disconnect	50	**59.00**	**55.00**	**45.99**
I	**G31-960**	None	22-18	0.250	Female Disconnect	25	**10.49**	**9.35**	**8.45**

molex



High Temperature Solderless Terminal Kit

- For use on motors, compressors, appliances and other applications that require a heavy-duty terminal
- Withstands high heat applications up to 900°F
- Includes 25 each of the following: **G31-927**, **G31-928**, **G31-933**, **G31-938**, **G31-939**, **G31-955**, **G31-965**, **G31-966**; 50 each of **G31-959**, **G31-934**; ten each of **G31-272** and **G31-273**, and one **G21-201**

Order #	Mfg. #	Each
G32-401	JHTRKIT	**195.00**

molex

Non-Insulated High Temperature Terminals

- For temperatures up to 900°F
- Made of nickel-plated steel alloy
- Pricing is per package

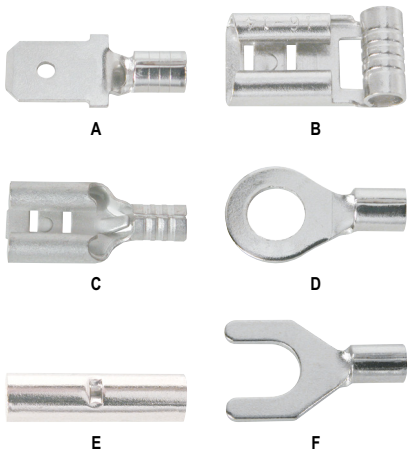

Fig.	Order #	Wire Gauge	Size	Description	Pkg. Qty.	Each	5 Lot	10 Lot
A	**G21-420**	18-14	0.250	Male Disconnect	100	**39.99**	**35.99**	**32.49**
A	**G31-933**	18-14	0.250	Male Disconnect	25	**14.49**	**12.99**	**11.99**
B	**G21-421**	18-14	0.250	Female Flag Disconnect	100	**24.49**	**21.99**	**19.99**
B	**G31-934**	18-14	0.250	Female Flag Disconnect	25	**10.49**	**9.35**	**8.45**
B	**G31-924**	12-10	0.250	Female Flag Disconnect	100	**95.00**	**85.00**	**75.00**
B	**G31-966**	12-10	0.250	Female Flag Disconnect	25	**23.49**	**21.49**	**18.99**
C	**G22-804**	16-14	0.250	Female Disconnect	100	**25.99**	**23.49**	**20.99**
C	**G31-959**	18-14	0.250	Female Disconnect	25	**10.49**	**9.35**	**8.45**
C	**G31-893**	12-10	0.250	Female Disconnect	100	**26.99**	**24.49**	**21.99**
C	**G31-965**	12-10	0.250	Female Disconnect	25	**11.49**	**10.49**	**9.25**
C	**G21-415**	18-14	0.187	Female Disconnect	100	**23.49**	**20.99**	**18.99**
C	**G31-930**	18-14	0.187	Female Disconnect	25	**10.49**	**9.35**	**8.45**
D	**G31-935**	22-18	4–6	Ring Terminal	25	**9.29**	**8.35**	**7.55**
D	**G21-423**	22-18	8–10	Ring Terminal	100	**21.99**	**19.99**	**17.99**
D	**G31-936**	22-18	8–10	Ring Terminal	25	**10.49**	**9.35**	**8.45**
D	**G31-937**	16-14	4–6	Ring Terminal	25	**10.99**	**9.89**	**8.89**
D	**G21-425**	16-14	8–10	Ring Terminal	100	**22.99**	**20.99**	**18.99**
D	**G31-938**	16-14	8–10	Ring Terminal	25	**10.99**	**9.89**	**8.89**
D	**G21-427**	12-10	8–10	Ring Terminal	100	**32.99**	**29.99**	**26.99**
D	**G31-939**	12-10	8–10	Ring Terminal	25	**12.99**	**11.49**	**10.49**
D	**G21-442**	8	1/4"	Ring Terminal	25	**24.49**	**21.99**	**19.99**
D	**G31-968**	8	1/4"	Ring Terminal	10	**12.49**	**11.49**	**9.99**
E	**G31-926**	22-18	—	Butt Connector	25	**10.99**	**9.89**	**8.89**
E	**G21-411**	16-14	—	Butt Connector	100	**25.49**	**22.99**	**20.99**
E	**G31-927**	16-14	—	Butt Connector	25	**13.49**	**11.99**	**10.99**
E	**G21-412**	12-10	—	Butt Connector	100	**34.49**	**30.99**	**27.99**
E	**G31-928**	12-10	—	Butt Connector	25	**15.49**	**13.99**	**12.49**
F	**G31-953**	22-18	10	Fork Terminal	25	**10.49**	**9.35**	**8.45**
F	**G22-412**	16-14	10	Fork Terminal	100	**23.49**	**20.99**	**18.99**
F	**G31-954**	16-14	10	Fork Terminal	25	**11.99**	**10.99**	**9.49**
F	**G22-413**	12-10	10	Fork Terminal	100	**26.49**	**23.99**	**21.49**
F	**G31-955**	12-10	10	Fork Terminal	25	**12.49**	**10.99**	**9.75**

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600-Piece Wire and Wing Connector Kit

DIVERSITECH

- Labeled, high impact polypropylene case with nine adjustable compartments
- Kit contains one standard package size of each of the following: **G32-035**, **G31-423**, **G21-352**, **G22-675**, **G37-924**, **G37-925**, **G37-926**, **G37-927** and **G22-994**



Order #	Mfg. #	Description	Each
G32-246	623-MIX	Wire Connector Kit	**229.00**

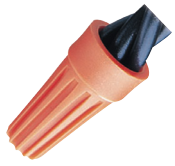
Wire Connectors

DIVERSITECH

- Ribbed cap provides positive-grip for fast, easy installation
- Fixed, square-wire spring threads itself creating a secure pressure grip
- Deep-wide-throated skirt protects against flashover and turned-back strands for maximum dielectric protection
- Tough, UL 94V-2 flame retardant shell rated at 105°C (221°F)
- UL 486C listed and CSA C22-2 #188 certified
- Pricing is per package



A



B

Fig.	Order #	Mfg. #	Color	Wire Gauge	Volts	Pkg. Qty.	Each
A	**G31-423**	623-002	Blue	22-14	300	100	**15.49**
A	**G21-352**	623-003	Orange	22-14	600	100	**21.99**
A	**G32-035**	623-001	Gray	22-14	300	100	**17.99**
A	**G22-675**	623-004	Yellow	22-12	600	100	**30.99**
A	**G37-924**	623-005	Red	18-10	600	100	**37.49**
B	**G37-925**	623-000	Gray	16-10	600	50	**47.49**
B	**G37-927**	623-008	Blue	18-10	600	50	**59.00**
B	**G37-926**	623-007	Red	14-6	600	100	**59.00**
B	**G22-994**	623-006	Yellow	18-10	600	100	**42.49**
—	**G37-944**	6295X	Assorted	22-10	300-600	55	**25.99**

Wire Connector Jar

DIVERSITECH

- High dielectric thermoplastic shell resists chemical actions
- Deep skirt design prevents exposure of bare wires
- Handy carry handle and grip bottle
- UL Listed and CSA Approved



Order #	Mfg. #	Color	Wire Gauge	Volts	Pkg. Qty.	Each
G37-941	623-012	Blue	22-16	300	600	**99.00**
G37-942	623-013	Orange	22-14	600	300	**69.00**
G37-943	623-014	Yellow	18-10	600	200	**55.00**

Porcelain Wire Connectors

DIVERSITECH

- For high temperature applications in heating and cooking appliances
- Used for temperatures over 150°C (302°F)
- Maximum 300V
- Pricing per package



Order #	Color	Wire Gauge	Pkg. Qty.	Each
G31-272	Natural	18-14	10	**11.49**
G31-273	Natural	18-12	10	**14.49**

Snap Lever Connectors

Zebra HVAC

- Test point for voltage and connectivity
- 3/8" Strip length
- No twisting required
- 250V Mac, 32A Max
- Wire sizes: 28 - 12 AWG Solid and 28 - 14 AWG Stranded
- PA66 Flame retardent material



Order #	Mfg. #	Color	Wire Gauge	Volts	Pkg. Qty.	Each
G38-377	ZSLCK	Gray	28-12 Solid/28-14 Stranded	250	25	**38.49**

Alkaline Batteries



- Long lasting, dependable power
- Up to 10 year shelf life
- Prices are per package

Order #	Mfg. #	Description	Each
G37-637	E92BP-2	AAA Alkaline (2-Pk.)	8.59
G37-638	E91BP-4	AA Alkaline (4-Pk.)	14.99
G37-639	522BP	9V Alkaline (1-Pk.)	15.99
G37-640	E93BP-2	C Alkaline (2-Pk.)	15.99
G37-641	E95BP-2	D Alkaline (2-Pk.)	15.99

Industrial Batteries



- Alkaline batteries designed for heavy current or continuous use applications
- Heavy-duty carbon zinc battery for light to moderate drains applications, value option when alkaline batteries are not a requirement

Order #	Mfg. #	Description	Each
G21-865	EN91	AA Industrial Alkaline	1.29
G22-302	EN92	AAA Industrial Alkaline	1.29
G22-719	EN22	9V Industrial Alkaline	5.25
G32-403	EN529	6V Industrial Alkaline	27.99
G21-864	EN93	C Industrial Alkaline	2.79
G21-863	EN95	D Industrial Alkaline	4.39
G32-727	E96BP-2	AAAA Alkaline (2-Pk.)	9.65
G32-404	1222	9V Heavy-Duty	2.35
G32-726	A76BPZ	1.5V Alkaline Button Cell (LR44)	4.85
G31-373	357BPZ	1.55V Silver Oxide Button Cell (SR44)	6.89
G36-642	390-389TZ	1.55V Silver Oxide Button Cell (SR1130SW)	4.09
G31-532	393-309TZ	1.55V Silver Oxide Button Cell (SR754W)	2.29

Lithium Batteries



Hazardous Material Shipping Alert

- Lighter and longer lasting than alkaline batteries
- Up to 20 year shelf life on AA/AAA, 10 year shelf life on 9V and 8 year shelf life on button cells
- Works in temperatures -40°F to +140°F

Warning: This product contains lithium batteries and cannot be shipped by air

Order #	Mfg. #	Description	Each
G36-482	L91	AA Lithium Battery	9.09
G38-005	L92	AAA Lithium Battery	9.09
G36-483	L522	9V Lithium Battery	59.00
G37-518	EL123APBP	123 Lithium Battery	11.49
G32-395	ECR2032BP	3V Lithium Button Cell	5.79
G37-385	ECR1632BP	3V Lithium Button Cell	11.49

Lithium Batteries



Hazardous Material Shipping Alert

- 3V lithium battery for professional applications
- Performs in a wide range of temperature extremes (-22°F to +140°F)
- Virtually constant voltage over discharge period
- 10 year shelf life

Warning: This product contains lithium batteries and cannot be shipped by air

Order #	Mfg. #	Description	Each
G34-842	85175	CR123 Lithium Battery (2-Pk.)	14.99

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Tecumseh Products

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Tecumseh



R22 Condensing Units

- Pressure control included, where listed
- MCA and MFS ratings denote Minimum Circuit Ampacity and Maximum Fuse Size
- Units 2 HP and larger have dual fan cycle controls
- BtuH capacity ratings below are based on 90°F ambient and listed evaporator temperature
- Last letter in mfg. # designates unit features:
- A or K: no receiver, with power cord (capillary tube applications)
- B: with receiver and power cord
- C: with receiver
- M: with suction accumulator
- S: no receiver, with isolation valves

R22 Commercial Temperature Condensing Unit

Order #	Mfg. #	B/M	Refrigerant	HP	Volts	Phase	BtuH Capacity @ -10°F Evap.	BtuH Capacity @ 0°F Evap.	BtuH Capacity @ 10°F Evap.	BtuH Capacity @ 20°F Evap.	BtuH Capacity @ 25°F Evap.	BtuH Capacity @ 30°F Evap.	BtuH Capacity @ 40°F Evap.
B86-176	AKA9435EAADC	2G303-59	R-22	1/2	115	1	1,600	2,124	2,760	3,510	3,928	4,373	5,349

Additional Specifications

Order #	Mfg. #	Compressor #	Min. Circuit Amps	Max. Fuse Size	Suction Conn.	Liquid Conn.	Receiver Capacity Lbs.	Length	Width	Height	Wt. Lbs.
B86-176	AKA9435EAADC	AKA9428EXA	9.5	15	1/2" ODF	3/8" ODF	2.5	15"	14"	11.5"	54

Tecumseh



R404A Condensing Units

- All units charged with ester oil and dry nitrogen
- Pressure control included where listed below
- MCA and MFS ratings denote Minimum Circuit Ampacity and Maximum Fuse Size
- BtuH capacity ratings below are based on 90°F ambient and listed evaporator temperature
- Last letter in mfg. # designates unit features:
- A: no receiver, with power cord (capillary tube applications)
- B: with receiver and power cord
- C: with receiver
- M: with suction accumulator

R404A Commercial and Medium Temperature Condensing Units

Order #	Mfg. #	B/M	Refrigerant	HP	Volts	Phase	BtuH Capacity @ -10°F Evap.	BtuH Capacity @ 0°F Evap.	BtuH Capacity @ 10°F Evap.	BtuH Capacity @ 20°F Evap.	BtuH Capacity @ 25°F Evap.	BtuH Capacity @ 30°F Evap.	BtuH Capacity @ 40°F Evap.
B94-939	AWA7512ZXDXC	2B3217-9	R-404A	1-1/2	208-230	1	5,910	7,686	9,694	11,934	13,170	14,407	—
B94-941	AWA9514ZXNXM	2B3238-9	R-404A	1-3/4	208-230	1	6,449	8,533	11,068	14,053	15,715	17,489	21,375
B94-942	AWA9514ZXTXM	2B3239-9	R-404A	1-3/4	200/230	3	6,449	8,533	11,068	14,053	15,715	17,489	21,375
B94-943	AWA7515ZXDXC	2B3220-9	R-404A	2	208-230	1	7,940	9,890	12,044	14,400	15,654	16,959	—

Additional Specifications

Order #	Mfg. #	Compressor #	Min. Circuit Amps	Max. Fuse Size	Suction Conn.	Liquid Conn.	Pressure Control	Receiver Capacity Lbs.	Length	Width	Height	Wt. Lbs.
B94-939	AWA7512ZXDXC	AWA7512ZXD	17.6	30	7/8" ODF	3/8" ODF	Dual	9.8	24"	19.4"	16.2"	124
B94-941	AWA9514ZXNXM	AWA9512ZXN	18.5	30	7/8" ODF	3/8" ODF	Low & High	13.8	25"	33.5"	19.5"	150
B94-942	AWA9514ZXTXM	AWA9512ZXT	12.6	20	7/8" ODF	3/8" ODF	Low & High	13.8	25"	33.5"	19.5"	150
B94-943	AWA7515ZXDXC	AWA7515ZXD	21.6	35	7/8" ODF	3/8" ODF	Dual	9.8	24"	19.4"	16.2"	129

R404A Low Temperature Condensing Units

Order #	Mfg. #	B/M	Refrigerant	HP	Volts	Phase	BtuH Capacity @ -40°F Evap.	BtuH Capacity @ -30°F Evap.	BtuH Capacity @ -20°F Evap.	BtuH Capacity @ -10°F Evap.	BtuH Capacity @ -5°F Evap.	BtuH Capacity @ 0°F Evap.	BtuH Capacity @ 10°F Evap.
B86-158	AE2410Z-AA1ASC	32F416-59S	R-404A	1/4	115	1	410	540	730	980	1,130	1,280	1,620
B86-159	AE2415Z-AA1ASC	32F328-59S	R-404A	1/3	115	1	550	770	1,060	1,380	1,555	1,730	2,090
B76-716	AE2415Z-AA1ASS	32F328-69S	R-404A	1/3	115	1	550	770	1,060	1,380	1,550	1,730	2,090
B74-640	AKA2430ZAADC	2G739-59	R-404A	3/4	115	1	818	1,494	2,223	3,003	3,375	3,747	4,508
B92-875	AWA2448ZXDXC	2B1118-9	R-404A	1	208-230	1	1,388	2,418	3,568	4,838	5,533	6,227	7,736
B92-876	AWA2464ZXDXC	2B3224-9	R-404A	1-1/2	208-230	1	2,572	3,810	5,102	6,450	7,152	7,854	9,313
B94-926	AWA2464ZXTXC	2B3225-9	R-404A	1-1/2	208-230	3	2,572	3,810	5,102	6,450	7,152	7,854	9,313
B92-819	AWA2479ZXDXC	2C2114-9	R-404A	2	208-230	1	2,337	4,080	5,925	7,871	8,895	9,918	12,067
B92-820	AWA2479ZXTXC	2C2115-9	R-404A	2	208-230	3	2,337	4,080	5,925	7,871	8,895	9,918	12,067
B94-927	AWA2490ZXDXC	2C2111-9	R-404A	2-1/4	208-230	1	—	4,098	6,365	8,790	10,081	11,372	14,112
B94-928	AWA2490ZXTXC	2C2112-9	R-404A	2-1/4	208-230	3	—	4,098	6,365	8,790	10,081	11,372	14,112

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Additional Specifications

Order #	Mfg. #	Compressor #	Min. Circuit Amps	Max. Fuse Size	Suction Conn.	Liquid Conn.	Pressure Control	Receiver Capacity Lbs.	Length	Width	Height	Wt. Lbs.
B86-158	AE2410Z-AA1ASC	AE2410Z-AA1A	4.9	15	3/8" ODF	1/4" ODF	—	1.36	16"	11.5"	8.9"	40
B86-159	AE2415Z-AA1ASC	AE2415Z-AA1A	6.8	15	3/8" ODF	1/4" ODF	—	1.57	16"	11.5"	8.9"	40
B76-716	AE2415Z-AA1ASS	AE2415Z-AA1A	6.8	15	3/8" ODF	1/4" ODF	—	1.6	16"	11.5"	8.9"	38.9
B74-640	AKA2430ZAADC	AKA2425ZXA	9.1	15	5/8" ODF	3/8" ODF	—	2.7	20"	14.3"	12.1"	64
B92-875	AWA2448ZXDXC	AWA2440ZXD	12.0	15	5/8" ODF	3/8" ODF	Dual	6.3	24"	17.8"	15.4"	119
B92-876	AWA2464ZXDXC	AWA2460ZXD	16.9	25	7/8" ODF	3/8" ODF	Dual	6.3	24"	17.8"	15.4"	130
B94-926	AWA2464ZXTXC	AWA2460ZXT	11.6	20	7/8" ODF	3/8" ODF	Low & High	6.3	24"	17.8"	16.4"	138
B92-819	AWA2479ZXDXC	AWA2460ZXD	17.1	25	7/8" ODF	3/8" ODF	Dual	9.8	24"	19.4"	16.2"	140
B92-820	AWA2479ZXTXC	AWA2460ZXT	11.8	20	7/8" ODF	3/8" ODF	Low & High	9.8	24"	19.7"	16.2"	135
B94-927	AWA2490ZXDXC	AWA2460ZXD	18.4	30	5/8" ODF	3/8" ODF	Low & High	11.7	25"	33.6"	19.5"	188
B94-928	AWA2490ZXTXC	AWA2460ZXT	13.1	20	5/8" ODF	3/8" ODF	Low & High	11.7	25"	33.6"	19.5"	171

R134a Condensing Units

- All units charged with ester oil and dry nitrogen
- Pressure control included where listed below
- MCA and MFS ratings denote Minimum Circuit Ampacity and Maximum Fuse Size
- BtuH capacity ratings below are based on 90°F ambient and listed evaporator temperature
- Last letter in mfg. # designates unit features:
  - A or K: no receiver, with power cord (capillary tube applications)
  - B: with receiver and power cord
  - C: with receiver
  - S: no receiver, with isolation valves



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R134a High Temperature Condensing Units

Order #	Mfg. #	B/M	Refrigerant	HP	Volts	Phase	BtuH Capacity @ 20°F Evap.	BtuH Capacity @ 25°F Evap.	BtuH Capacity @ 30°F Evap.	BtuH Capacity @ 35°F Evap.	BtuH Capacity @ 40°F Evap.	BtuH Capacity @ 45°F Evap.
B73-767	AE3425Y-AA1ASS	32F560-69S	R-134a	1/5	115	1	1,460	1,640	1,840	2,040	2,250	2,800
B73-769	AE4430Y-AA1ASC	32F470-59S	R-134a	1/4	115	1	1,800	2,030	2,260	2,490	2,730	3,400
B73-771	AE4430Y-AA1ASS	32F470-69S	R-134a	1/4	115	1	1,800	2,030	2,260	2,490	2,730	3,400
B73-773	AE4440Y-AA1ASC	32F360-59S	R-134a	1/3	115	1	2,360	2,610	2,860	3,110	3,370	4,350
B73-775	AE4440Y-AA1ASS	32F360-69S	R-134a	1/3	115	1	2,360	2,610	2,860	3,110	3,370	4,350
B86-167	AKA4457YAADC	2G222-59	R-134a	1/2	115	1	3,503	3,918	4,334	4,753	5,171	5,665

Additional Specifications

Order #	Mfg. #	Compressor #	Min. Circuit Amps	Max. Fuse Size	Suction Conn.	Liquid Conn.	Receiver Capacity Lbs.	Length	Width	Height	Wt. Lbs.
B73-767	AE3425Y-AA1ASS	AE3425Y-AA1A	5.0	15	5/16" ODF	1/4 ODF	—	16"	11.5"	8.9"	42
B73-769	AE4430Y-AA1ASC	AE4430Y-AA1A	6.7	15	3/8" ODF	1/4 ODF	1.8	16"	11.5"	8.9"	42
B73-771	AE4430Y-AA1ASS	AE4430Y-AA1A	6.7	15	5/16" ODF	1/4 ODF	—	16"	11.5"	8.9"	42
B73-773	AE4440Y-AA1ASC	AE4440Y-AA1A	7.9	15	3/8" ODF	1/4 ODF	1.8	16"	11.5"	8.9"	42
B73-775	AE4440Y-AA1ASS	AE4440Y-AA1A	7.9	15	5/16" ODF	1/4 ODF	—	16"	11.5"	8.9"	42
B86-167	AKA4457YAADC	AKA4460YXA	12.3	20	1/2" IDS	5/8" IDS	2.5	15"	14"	11.2"	54

R134A Medium Temperature Condensing Unit

Order #	Mfg. #	B/M	Refrigerant	HP	Volts	Phase	BtuH Capacity @ -10°F Evap.	BtuH Capacity @ 0°F Evap.	BtuH Capacity @ 10°F Evap.	BtuH Capacity @ 20°F Evap.	BtuH Capacity @ 25°F Evap.	BtuH Capacity @ 30°F Evap.
B77-895	THB0410YXASC	32G575-59S	R-134a	1/6	115	1	540	720	950	1,240	1,400	1,560

Additional Specifications

Order #	Mfg. #	Compressor #	Min. Circuit Amps	Max. Fuse Size	Suction Conn.	Liquid Conn.	Receiver Capacity Lbs.	Length	Width	Height	Wt. Lbs.
B77-895	THB0410YXASC	THA0410YXA	4.2	15	5/16	1/4	1.58	16"	11.5"	8.9"	38.8

R134A Low Temperature Condensing Units

Order #	Mfg. #	B/M	Refrigerant	HP	Volts	Phase	BtuH Capacity @ -40°F Evap.	BtuH Capacity @ -30°F Evap.	BtuH Capacity @ -20°F Evap.	BtuH Capacity @ -10°F Evap.	BtuH Capacity @ -5°F Evap.	BtuH Capacity @ 0°F Evap.	BtuH Capacity @ 10°F Evap.
B76-735	AE2410YAA1ASC	32F414-59S	R-134a	1/4	115	1	270	450	590	910	1,110	1,270	1,610
B76-736	AE2410YAA1ASS	32F414-69S	R-134a	1/4	115	1	270	450	590	910	1,110	1,270	1,610
B76-739	AE2413YAA1BSC	32F324-59S	R-134a	1/3	115	1	470	700	980	1,310	1,480	1,670	2,060

Additional Specifications

Order #	Mfg. #	Compressor #	Min. Circuit Amps	Max. Fuse Size	Suction Conn.	Liquid Conn.	Receiver Capacity Lbs.	Length	Width	Height	Wt. Lbs.
B76-735	AE2410YAA1ASC	AE2410Y-AA1A	4.6	15	3/8" ODF	1/4" ODF	1.8	16"	11.5"	8.9"	39.5
B76-736	AE2410YAA1ASS	AE2410Y-AA1A	4.6	15	3/8" ODF	1/4" ODF	1.8	16"	11.5"	8.9"	38.9
B76-739	AE2413YAA1BSC	AE2413Y-AA1B	5.54	15	3/8" ODF	1/4" ODF	1.7	16"	11.5"	8.9"	39.5

High Temperature Condensate Condensing Unit

Order #	Mfg. #	B/M	Refrigerant	HP	Volts	Phase	BtuH Capacity @ 20°F Evap.	BtuH Capacity @ 25°F Evap.	BtuH Capacity @ 30°F Evap.	BtuH Capacity @ 35°F Evap.	BtuH Capacity @ 40°F Evap.	BtuH Capacity @ 45°F Evap.
B82-424	AKA4460YXAEE	32D210-1	R-134a	1/2	115	1	3,570	4,010	4,450	4,920	5,390	5,880

Additional Specifications

Order #	Mfg. #	Compressor #	Min. Circuit Amps	Max. Fuse Size	Suction Conn.	Liquid Conn.	Receiver Capacity Lbs.	Length	Width	Height	Wt. Lbs.
B82-424	AKA4460YXAEE	AKA4460YXA	12.5	20	1/2" SAE	1/4" SAE	2.1	17"	16.5"	11.6"	63



Condensate Condensing Units

- Narrow size fits many applications — 8-1/2" for GK models and 16-1/2" for EC(E,D) models
- Great alternative to electric heater pans
- Molded plastic base is corrosion resistant and lightweight
- Moisture proof shroud for extended life
- Standard models listed (GK) include power cord — also available with receiver (GB model)

Commercial Temperature Condensate Condensing Unit

Order #	Mfg. #	B/M	Refrigerant	HP	Volts	Phase	BtuH Capacity @ -10°F Evap.	BtuH Capacity @ 0°F Evap.	BtuH Capacity @ 10°F Evap.	BtuH Capacity @ 20°F Evap.	BtuH Capacity @ 25°F Evap.	BtuH Capacity @ 30°F Evap.
B94-989	AKA9429ZXAEC	32D355-1	R-404A	1/3	115	1	990	1,610	2,230	2,850	3,160	3,470

Additional Specifications

Order #	Mfg. #	Compressor #	Min. Circuit Amps	Max. Fuse Size	Suction Conn.	Liquid Conn.	Receiver Capacity Lbs.	Length	Width	Height	Wt. Lbs.
B94-989	AKA9429ZXAEC	AKA9427ZXA	10.3	20	1/2 SAE	1/4 SAE	2.9	17"	14.5"	11.6"	70



Water Cooled Condensing Units

- Water cooled units allow compact size and little ambient load
- Efficient and compact coaxial condenser
- Includes dual pressure control and water valve

High Temp (+20 to +45°F) Water Cooled Condensing Units

Order #	Mfg. #	B/M	Refrigerant	HP	Volts	Phase	BtuH Capacity @ 20°F Evap.	BtuH Capacity @ 25°F Evap.	BtuH Capacity @ 30°F Evap.	BtuH Capacity @ 35°F Evap.	BtuH Capacity @ 40°F Evap.	BtuH Capacity @ 45°F Evap.
B77-901	AE4440Y-AA1AXW	32W360-19	R-134a	1/3	115	1	2,700	3,100	3,400	3,900	4,300	4,800
B94-956	AKA4475YXAXW	32D294-1	R-134a	1/2+	115	1	3,800	4,425	5,050	5,950	6,600	7,500

Additional Specifications

Order #	Mfg. #	Compressor #	Min. Circuit Amps	Max. Fuse Size	Suction Conn.	Liquid Conn.	Pressure Control	Receiver Capacity Lbs.	Length	Width	Height	Wt. Lbs.
B77-901	AE4440Y-AA1AXW	AE1022E-212-J7	7.3	15	3/8	1/4	Dual	2	18.4"	13.8"	10.2"	45
B94-956	AKA4475YXAXW	AKA4460YXA	11.9	20	1/2" SAE	1/4" SAE	Dual	2	21.4"	14"	10.5"	82

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Commercial Temp (-10 to +45°F) Water Cooled Condensing Units



Order #	Mfg. #	B/M	Refrigerant	HP	Volts	Phase	BtuH Capacity @ -10°F Evap.	BtuH Capacity @ 0°F Evap.	BtuH Capacity @ 10°F Evap.	BtuH Capacity @ 20°F Evap.	BtuH Capacity @ 25°F Evap.	BtuH Capacity @ 30°F Evap.	BtuH Capacity @ 40°F Evap.
B82-414	AKA9442ZXAXW	32D288-1	R-404A	1/2	115	1	—	2,400	3,600	5,000	5,800	6,600	—
B77-891	AKA9442ZXDXW	32D289-1	R-404A	1/2	208-230	1	—	2,400	3,600	5,000	5,800	6,600	—
B94-953	AKA9467ZXAXW	32B774-1	R-404A	3/4	115	1	—	3,600	5,000	6,700	7,550	8,400	—
B82-416	AKA9457EXDXW	32C291-1	R-22	3/4	208-230	1	1,194	2,123	3,768	5,501	6,334	7,167	9,142
B92-811	AKA9479EXDXW	32B746-1	R-22	1	208-230	1	1,406	3,409	5,641	7,806	8,957	10,108	12,746

Additional Specifications

Order #	Mfg. #	Compressor #	Min. Circuit Amps	Max. Fuse Size	Suction Conn.	Liquid Conn.	Pressure Control	Receiver Capacity Lbs.	Length	Width	Height	Wt. Lbs.
B82-414	AKA9442ZXAXW	AKA9438ZXA	11.5	20	1/2" SAE	1/4" SAE	Dual	1.7	21.4"	14"	10.5"	67
B77-891	AKA9442ZXDXW	AK175ET-038	5.4	15	1/2" SAE	1/4" SAE	Dual	1.7	21.4"	14"	10.5"	67
B94-953	AKA9467ZXAXW	AKA9455ZXA	12.6	20	1/2" SAE	1/4" SAE	Dual	1.7	21.4"	14"	10.5"	82
B82-416	AKA9457EXDXW	AKA9442EXD	5.4	15	1/2" SAE	1/4" SAE	Dual	2.7	21.4"	14"	10.5"	67
B92-811	AKA9479EXDXW	AKA9462EXD	6.9	15	1/2" SAE	1/4" SAE	Dual	2.7	21.4"	14"	10.5"	82

Low Temp (-40 to +10°F) Water Cooled Condensing Units

Order #	Mfg. #	B/M	Refrigerant	HP	Volts	Phase	BtuH Capacity @ -40°F Evap.	BtuH Capacity @ -30°F Evap.	BtuH Capacity @ -20°F Evap.	BtuH Capacity @ -10°F Evap.	BtuH Capacity @ -5°F Evap.	BtuH Capacity @ 0°F Evap.	BtuH Capacity @ 10°F Evap.
B94-985	AWA2488ZXDXW	2C2113-9	R-404A	2	208-230	1	2,046	3,796	6,024	8,764	10,406	12,047	15,908

Additional Specifications

Order #	Mfg. #	Compressor #	Min. Circuit Amps	Max. Fuse Size	Suction Conn.	Liquid Conn.	Pressure Control	Receiver Capacity Lbs.	Length	Width	Height	Wt. Lbs.
B94-985	AWA2488ZXDXW	AWA2460ZXD	16.1	25	7/8" IDS	3/8" SAE	Dual	5.1	24.3"	17"	15.7"	129

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Compressor Model Chart

(AE² models only)	AE	4	440	Y	-	AA	1A
All models except AE²)	AEA	4	440	Y		XA	
	Compressor Family (First Two Digits) Release Variant (The Third Digit)	Application	BTU Capacity (First Digit) Rated BTU Capacity (Last Two Digits)	Refrigerant		Voltage	Release Variant (AE² models only)

Examples:
AE² model number:
AE4440Y-AA1A

Model number except AE²:
AEA9415ZXA

AE
AG
AH
AJ
AK
AN
AV
AW
AZ
RG
RK
SA
SF
TP
HG
TH
TW
VS

A = 1st
B = 2nd
C = 3rd
etc...

In this example (4) total digits, with the first two (40), or 4,000 BTU capacity

Primary Refrigerants
A = R12
B = R410A
C = R407C
E = R22
J = R502
U = R290
Y = R134a
Z = R404A/R507

Primary Application Parameters		
Evap Temperature	Rating Point	Motor Starting Torque
1. Low	-10°F	Normal
2. Low	-10°F	High
3. High	+45°F	Normal
4. High	+45°F	High
5. Air Cond	+45°F	Normal
6. Medium	+20°F	Normal
7. Medium	+20°F	High
8. Air Cond	+49°F	Normal
9. Commercial	+20°F	High
0. Commercial	+20°F	Normal
F. Low – Vapor Inj	-10°F	High
G. Low – Liquid Inj	-10°F	High

Voltage Codes
AA = 115/60/1
AB = 115/60/1; 90/50/1
FZ = 220-240/50/1
NA = 208-230/60/1
VA = 265/60/1; 220-240/50/1
XA = 115/60/1; 100/50/1
XB = 230/60/1; 200/50/1
XC = 220-240/50/1
XD = 208-230/60/1; 200/50/1
XF = 208-230/60/3; 200-240/50/3
XG = 460/60/3; 380-420/50/3
XH = 575/60/3; 480-520/50/3
XN = 208-230/60/1; 200-220/50/1
XP = 220/60/1; 200/50/1
XT = 200-230/60/3; 200-220/50/3
XU = 100/60/1; 100/50/1
XV = 265/60/1

For up-to-the-minute technical data and product line information from Tecumseh, visit www.tecumseh.com

NOTE: For explanation of compressor families and codes, contact Tecumseh Products Company.

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(AE² models only) **AE4440Y-AA1A**

All models except AE²) **AEA4440YXA XC**

- **E and G** = Evaporative Condensate Units
- **S** = Shaded Pole Fan Motor (Celseon)
- **C** = Electrically Commutated Fan Motor (Celseon)
- **X** = A holding character, reserved for future use

Condensing Unit Features, see chart below

The letters I, O, and Q are eliminated		Fan Cooled	Water Cooled	Air Water Cooled	Receiver Tank	BX Cable	Interconnect Compressor	See B/M	Accumulator
A	Standard Unit	•							
B	Std. Unit W/Receiver Tank	•			•				
C	Std. Unit W/Receiver Tank & BX Cable	•			•	•			
D	Std. Unit W/BX Cable	•				•			
E,F,K	Physical Design Variant (Conduit)	•				•		•	
G,H,J,L,P	Physical Design Variant (Standard)	•						•	
M	Advanced Commercial Design	•			•	•			•
N	Advanced Commercial Design	•				•			•
S	Customer Special							•	
T	Interconnect Compressor						•		
U	Water Cooled - Adv. Commercial Design		•		•	•			•
V	Electrical Special (Conduit Design)	•				•		•	
W	Water Cooled Unit		•		•	•			
X	Interconnect Unit	•			•	•	•		
Y	Air Water Cooled Unit			•		•			
Z	Electrical Special (Standard Unit)	•						•	
Evaporative Condensate Units Plastic Base									
EC	Large Evaporative Condensate Units Black Plastic Base	•							
ED	Large Evaporative Condensate Units Black Plastic Base	•							
EE	Large Evaporative Condensate Units Black Plastic Base	•							
GC	Small - Fan Guard, Power Cord, Receiver Tank, Service Valves				•				
GB	Small - Fan Guard, Power Cord, Receiver Tank				•				
GK	Small - Fan Guard, Power Cord								
GL	Small - Fan Guard								
Outdoor Condensing Units									
HL	Outdoor Condensing Unit with Options	•						•	
Celseon® Air Cooled Units									
CB	Std. Unit W/EC Fan Motor, Sweat Conns, Power Cord & Receiver Tank	•			•				
CC	Std. Unit W/EC Fan Motor, Sweat Conns, Power Cord, Receiver Tank & Service Valves	•			•				
CK	Std. Unit W/EC Fan Motor, Sweat Conns, Power Cord	•							
CS	Std. Unit W/EC Fan Motor, Sweat Conns, Power Cord & Service Valves	•							
SB	Std. Unit W/SP Fan Motor, Sweat Conns, Power Cord & Receiver Tank	•			•				
SC	Std. Unit W/SP Fan Motor, Sweat Conns, Power Cord, Receiver Tank & Service Valves	•			•				
SK	Std. Unit W/SP Fan Motor, Sweat Conns, Power Cord	•							
SS	Std. Unit W/SP Fan Motor, Sweat Conns, Power Cord & Service Valves	•							

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R22 Hermetic Compressors

- R22 commercial temperature compressors have an evaporator range of 0°F to 50°F
- R22 high temperature compressors have an evaporator range of 20°F to 55°F
- R22 low temperature compressors have an evaporator range of -40°F to +10°F
- All starting components included where needed
- All mounting hardware included
- BtuH capacity ratings based on 130°F condensing temperature

R22 High Temperature Hermetic Compressor

Order #	Mfg. #	B/M	HP	Volts	Phase	Starting Torque	BtuH Capacity @ 45°F Evap.	Mounting Centers	Suction Conn.	Discharge Conn.	CCH	Start Capacitor	Relay	Overload	Height	Wt. Lbs.
B77-908	AE4456E-DS1B	AE1363E-209-J7	1/2	115-127	1	High	5,600	4" x 6-1/2"	3/8" IDS	1/4" IDS	No	G36-740	B19-082	B19-299	8	24

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R134a Hermetic Compressors

- R134a high temperature compressors charged with ester oil and have an evaporator range of 20°F to 55°F
- R134a commercial temperature compressors charged with ester oil and have an evaporator range of 0°F to 50°F
- R134a low temperature compressors charged with ester oil and have an evaporator range of -40°F to +10°F
- All starting components included where needed
- All mounting hardware included
- BtuH capacity ratings based on 130°F condensing temperature

R134a High Temperature Hermetic Compressors

Order #	Mfg. #	B/M	HP	Volts	Phase	Starting Torque	BtuH Capacity @ 45°F Evap.	Mounting Centers	Suction Conn.	Discharge Conn.	CCH	Start Capacitor	Relay	Overload	Height	Wt. Lbs.
B86-098	AE3425Y-AA1A	AE1004E-212-J7	1/5	115	1	Normal	2,800	4" x 6-1/2"	5/16" IDS	1/4" IDS	No	—	B18-490	B18-510	8	20
B86-138	AE3425Y-AA1A	AE1198E-215-J7	1/5	115	1	Normal	2,800	4" x 6-1/2"	5/16" IDS	1/4" IDS	No	—	B18-490	B18-510	8	20
B86-100	AE3430Y-AA1A	AE1153E-212-J7	1/4	115	1	Normal	3,400	4" x 6-1/2"	5/16" IDS	1/4" IDS	No	—	B18-498	B18-516	8	21
B86-103	AE4430Y-AA1A	AE1023E-212-J7	1/4	115	1	High	3,400	4" x 6-1/2"	5/16" IDS	1/4" IDS	No	G36-702	B18-491	B18-511	8	23
B86-139	AE4430Y-AA1A	AE1199E-215-J7	1/4	115	1	High	3,400	4" x 6-1/2"	5/16" IDS	1/4" IDS	No	G36-702	B18-491	B18-511	8	23
B86-140	AE4440Y-AA1A	AE1200E-215-J7	1/3	115	1	High	3,400	4" x 6-1/2"	3/8" SAE	1/4" ODF	No	G36-740	B18-492	B18-512	8	21
B86-101	AE3440Y-AA1A	AE1155E-212-J7	1/3	115	1	Normal	4,350	4" x 6-1/2"	5/16" IDS	1/4" IDS	No	—	B18-498	B18-516	8	23
B86-105	AE4440Y-AA1A	AE1022E-212-J7	1/3	115	1	High	4,350	4" x 6-1/2"	5/16" IDS	1/4" IDS	No	G36-740	B18-492	B18-512	8	21
B86-107	AE4450Y-AA1A	AE1154E-209-J7	1/3	115	1	High	5,450	4" x 6-1/2"	5/16" IDS	1/4" IDS	No	G36-740	B18-497	B18-517	8	25

R134a Commercial Temperature Compressors

Order #	Mfg. #	B/M	HP	Volts	Starting Torque	BtuH Capacity @ 20°F Evap.	Mounting Centers	Suction Conn.	Discharge Conn.	CCH	Start Capacitor	Relay	Overload	Height	Wt. Lbs.
B77-909	THA0370YXA	TH730AR-339-J7HV	1/12	115	Normal	700	4" x 6-1/2"	5/16" IDS	1/4" IDS	No	—	—	—	6.5	22
B82-394	AZA0370YXA	AZ430CR-235-J7JP	1/12	115	Normal	700	4" x 6-1/2"	5/16" IDS	3/16" IDS	No	—	B17-877	B17-896	6.5	21
B82-395	AZA0395YXA	AZ440CR-236-J7JP	1/8	115	Normal	950	4" x 6-1/2"	5/16" IDS	3/16" IDS	No	G36-710	B17-878	B17-898	6.5	21
B77-910	THA0410YXA	TH750AR-340-J7HV	1/5+	115	Normal	1,000	4" x 6-1/2"	5/16" IDS	1/4" IDS	No	—	—	—	6.5	22

R134a Low Temperature Compressors

Order #	Mfg. #	B/M	HP	Volts	Starting Torque	BtuH Capacity @ -10°F Evap.	Mounting Centers	Suction Conn.	Discharge Conn.	CCH	Start Capacitor	Relay	Overload	Wt. Lbs.
B86-095	AE2410Y-AA1A	AE1156E-679-J7	1/4	115	High	950	4" x 6-1/2"	5/16" IDS	1/4" IDS	No	G33-125	B18-494	B18-514	23
B86-206	AE2413Y-AA1B	AE1240E-679-J7	1/3	115	High	1,300	4" x 6-1/2"	5/16" IDS	1/4" IDS	No	G36-740	B19-091	B19-073	23

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R404A Hermetic Compressors

- Charged with ester oil
- Commercial temperature compressors have an evaporator range of 0°F to +50°F
- Low temperature compressors have an evaporator range of -40°F to +10°F
- All starting components included where needed
- Mounting hardware included
- BtuH capacity ratings based on 130°F condensing temperature



R404A Commercial Temperature Compressors

Order #	Mfg. #	B/M	HP	Volts	Starting Torque	BtuH Capacity @ 20°F Evap.	Mounting Centers	Suction Conn.	Discharge Conn.	CCH	Start Capacitor	Relay	Overload	Height	Wt. Lbs.
B86-204	AE4430Z-AA1A	AE1167E-212-J7	1/4	115	High	1,870	4" X 6-1/2"	5/16" IDS	1/4" IDS	No	G36-740	B19-081	B19-059	7.6	23
B86-205	AE4440Z-AA1A	AE1168E-209-J7	1/4	115	High	2,000	4" X 6-1/2"	5/16" IDS	1/4" IDS	No	G36-713	B18-497	B19-060	8.0	23

R404A Low Temperature Compressors

Order #	Mfg. #	B/M	HP	Volts	Starting Torque	BtuH Capacity @ -10°F Evap.	Mounting Centers	Suction Conn.	Discharge Conn.	CCH	Start Capacitor	Relay	Overload	Wt. Lbs.
B86-096	AE2410Z-AA1A	AE1126E-106-J7	1/5	115	High	1,050	4" x 6-1/2"	5/16" IDS	1/4" IDS	No	G33-125	B18-493	B18-513	23
B86-097	AE2415Z-AA1A	AE1157E-679-J7	1/4	115	High	1,600	4" x 6-1/2"	5/16" IDS	1/4" IDS	No	G33-125	B18-495	B18-515	23

R22 Rotary Compressor

- High efficiency rotary compressors
- High side shell
- Very low vibration and sound levels
- Suction accumulator included



Order #	Mfg. #	B/M	HP	Volts	Phase	Starting Torque	BtuH Capacity @ 45°F Evap.	Mounting Centers	Suction Conn.	Discharge Conn.	CCH	Start Capacitor	Run Capacitor	Relay	Overload	Height	Wt. Lbs.
B81-864	RGA5460EXA	RG121AR-001-J7LN	1/2	115	1	Low	6,000	6" Tri-Mount	3/8" IDS	5/16" IDS	No	K146-13	K150-08	K71-19	K90-18	9.5	25

Tecumseh Replacement Parts

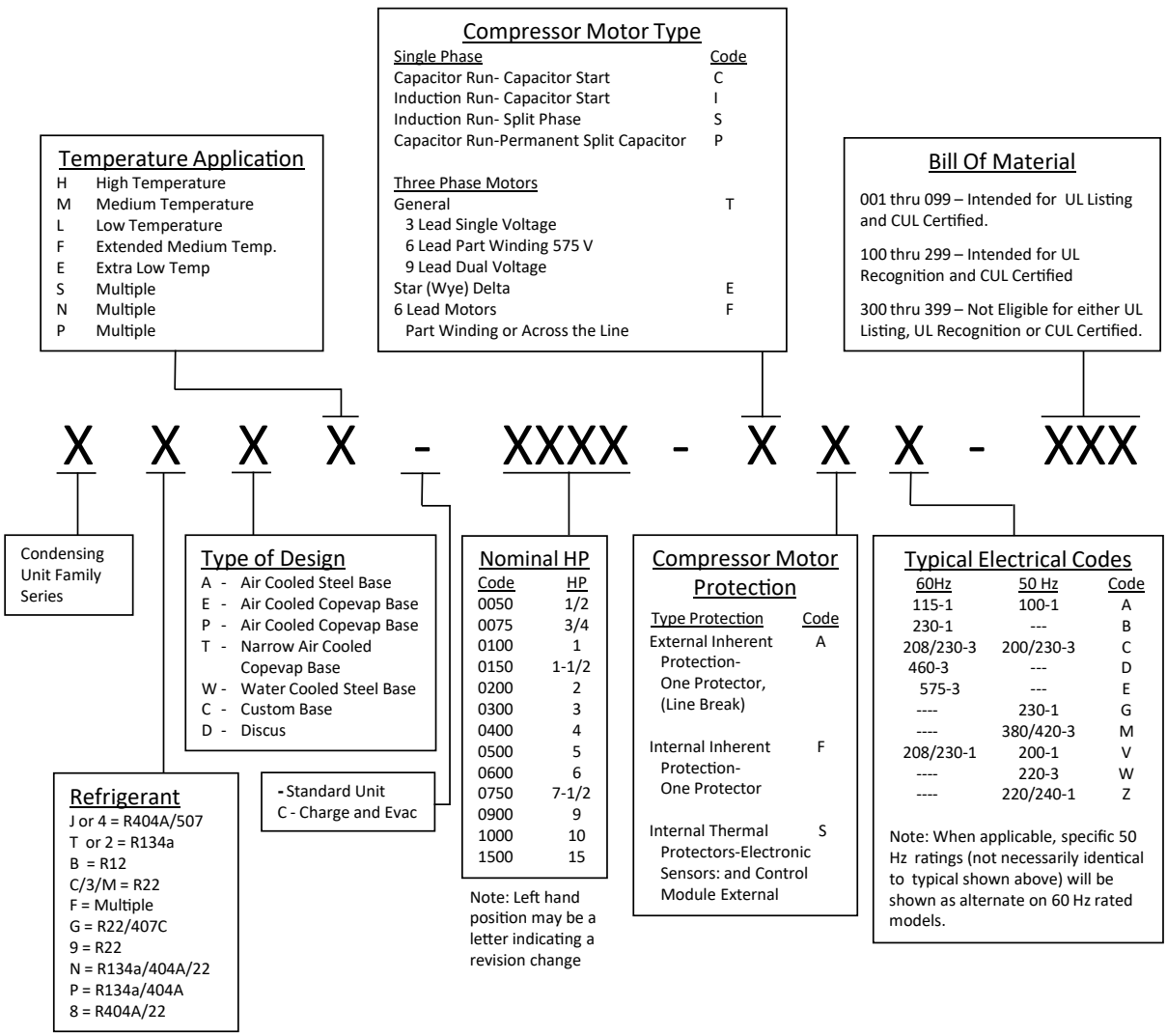


Order #	Mfg. #	Description	Each
G32-380	TRMJ21	Start Capacitor	**10.99**
G32-381	TSMJ378A	Start Capacitor	**25.49**
B12-940	LP3	Mounting Parts	**27.99**
B12-941	LP4	Mounting Parts	**37.49**
B12-942	LP5	Mounting Parts	**42.49**
B12-943	LP15	Mounting Parts	**25.99**
B12-944	LP29	Mounting Parts	**43.49**
B12-945	LP99	Mounting Parts	**34.99**
B82-772	70736-1	Shroud	**225.00**
B82-773	70766-1	Shroud	**23.99**
B86-389	707-00004	Shroud	**119.00**
B86-390	707-00005	Shroud	**135.00**
B12-948	28677-1	Mounting Plate	**26.49**
B86-391	707-00002	Shroud	**135.00**
B12-950	K31-5	Crankcase Heater	**65.00**
B12-951	K31-9	Crankcase Heater	**305.00**
B82-775	K42-3	Condenser Kit	**1599.00**
B76-709	K42-1	Condenser Kit	**5899.00**
B76-710	K42-2	Condenser Kit	**2999.00**
B82-776	K42-4	Condenser Kit	**965.00**
B76-712	K42-16	Condenser Kit	**1399.00**
B76-713	K42-17	Condenser Kit	**2245.00**
B82-780	51081-1	Receiver Tank	**459.00**
B12-952	51564-1	Fan Blade	**27.99**
B12-953	51541-1	Fan Blade	**55.00**

Order #	Mfg. #	Description	Each
B12-955	51561-1	Fan Blade	**48.99**
B12-958	51533-3	Fan Blade	**145.00**
B12-959	51559-2	Fan Blade	**55.00**
B86-392	116-002P	Fan Guard	**95.00**
B82-782	51568-1	Fan Blade	**225.00**
B86-393	116-003P	Fan Guard	**55.00**
B82-783	70831-1	Fan Guard	**99.00**
S58-720	810E050A85	Motor	**729.00**
S58-721	810E186A82	Motor	**1099.00**
S59-543	6W115	Fan Motor	**265.00**
S58-984	810E037A84	Fan Motor	**665.00**
S58-985	810E186A83	Fan Motor	**1799.00**
S59-545	810-10096C	Fan Motor	**415.00**
S58-986	810F050B51C	Fan Motor	**685.00**
S58-987	810F249B52C	Fan Motor	**1845.00**
S58-990	810M035B68	Fan Motor	**365.00**
S58-991	810M050A62	Fan Motor	**1099.00**
S58-993	810S186B39	Fan Motor	**1299.00**
S80-262	9W115	Fan Motor	**269.00**
B15-374	84096-1	Fan Switch	**135.00**
B15-375	84096-2	Fan Switch	**135.00**
B15-377	K32-4	Valve	**239.00**
B15-378	K32-1	Valve	**145.00**
B15-379	K32-3	Valve	**145.00**
B15-380	K32-2	Valve	**145.00**

Copeland™ brand products

Welded Condensing Unit Product Line Nomenclature



For more product detail, please visit
https://opi.emersonclimate.com/was.extension.opi.web/OPIInterfaceServlet

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R134a High Temperature Condensing Units

- All units charged with POE oil and dry nitrogen
- BtuH capacity ratings are based on a 90°F ambient at listed evaporating temperatures

Order #	Mfg. #	Refrigerant	HP	Volts	Phase	BtuH Capacity @ 10°F Evap.	BtuH Capacity @ 20°F Evap.	BtuH Capacity @ 25°F Evap.	BtuH Capacity @ 30°F Evap.	BtuH Capacity @ 35°F Evap.	BtuH Capacity @ 40°F Evap.	BtuH Capacity @ 45°F Evap.
E73-318	M7JH-0012-IAA-177	R-134a	1/8	115	1	794	1,020	1,150	1,280	1,430	1,590	1,750
E73-319	M7JH-0012-IAA-179	R-134a	1/8	115	1	794	1,020	1,150	1,280	1,430	1,590	1,750
E73-320	M7JH-0014-IAA-177	R-134a	1/8	115	1	970	1,230	1,380	1,530	1,700	1,870	2,060
E73-321	M7JH-0014-IAA-179	R-134a	1/8	115	1	970	1,230	1,380	1,530	1,700	1,870	2,060
E73-323	M7JH-0018-IAA-177	R-134a	1/5	115	1	1,310	1,640	1,820	2,020	2,230	2,450	2,690
E73-324	M7JH-0018-IAA-179	R-134a	1/5	115	1	1,310	1,640	1,820	2,020	2,230	2,450	2,690
E42-088	M7JH-H020-IAA-177	R-134a	1/5	115	1	1,390	1,760	1,970	2,190	2,430	2,680	2,960
E42-090	M7JH-H024-IAA-177	R-134a	1/4	115	1	1,630	2,050	2,290	2,540	2,810	3,090	3,390
E73-332	M7JH-H029-IAA-177	R-134a	1/4	115	1	1,860	2,360	2,640	2,930	3,240	3,570	3,920
E73-333	M7JH-H029-IAA-179	R-134a	1/4	115	1	1,860	2,360	2,640	2,930	3,240	3,570	3,920
E73-334	M7JH-H029-IAA-272	R-134a	1/4	115	1	1,860	2,360	2,640	2,930	3,240	3,570	3,920
E42-196	M7ZH-0031-IAA-177	R-134a	1/3	115	1	1,910	2,430	2,720	3,030	3,360	3,710	4,080
E42-198	M7ZH-0031-IAA-272	R-134a	1/3	115	1	1,910	2,430	2,720	3,030	3,360	3,710	4,080
E73-397	M7ZH-0041-IAA-177	R-134a	1/2	115	1	2,570	3,240	3,600	3,980	4,380	4,800	5,230
E42-202	M7ZH-0041-IAA-272	R-134a	1/2	115	1	2,570	3,240	3,600	3,980	4,380	4,800	5,230
E73-402	M7ZH-0045-IAA-177	R-134a	1/2	115	1	2,870	3,610	4,010	4,420	4,860	5,300	5,760
E42-203	M7ZH-0045-IAA-179	R-134a	1/2	115	1	2,870	3,610	4,010	4,420	4,860	5,300	5,760
E73-403	M7ZH-0045-IAA-272	R-134a	1/2	115	1	2,870	3,610	4,010	4,420	4,860	5,300	5,760
E73-406	M7ZH-H046-IAA-177	R-134a	1/2	115	1	3,030	3,790	4,210	4,640	5,090	5,550	6,020
E73-408	M7ZH-H046-IAA-272	R-134a	1/2	115	1	3,030	3,790	4,210	4,640	5,090	5,550	6,020
E73-848	M7ZH-H055-CFA-177	R-134a	1/2	115	1	3,230	3,980	4,390	4,830	5,290	5,770	6,260
E73-851	M7ZH-H055-CFA-272	R-134a	1/2	115	1	3,230	3,980	4,390	4,830	5,290	5,770	6,260
E42-205	M7ZH-0045-IAV-177	R-134a	1/2	208-230	1	2,870	3,610	4,010	4,420	4,860	5,300	5,760
E73-409	M7ZH-H046-IAV-177	R-134a	1/2	208-230	1	3,030	3,790	4,210	4,640	5,090	5,550	6,020
E73-413	M7ZH-H055-CAV-177	R-134a	1/2	208-230	1	3,680	4,590	5,080	5,570	6,070	6,570	7,060
E73-414	M7ZH-H055-CAV-272	R-134a	1/2	208-230	1	3,680	4,590	5,080	5,570	6,070	6,570	7,060
E73-831	M7GH-H057-CFA-177	R-134a	1/2+	115	1	3,690	4,590	5,090	5,630	6,200	6,800	7,430
E73-834	M7GH-H057-CFA-272	R-134a	1/2+	115	1	3,690	4,590	5,090	5,630	6,200	6,800	7,430
E73-837	M7KH-0060-CFA-177	R-134a	1/2+	115	1	3,720	4,640	5,160	5,710	6,300	6,930	7,580
E73-840	M7KH-0060-CFA-272	R-134a	1/2+	115	1	3,720	4,640	5,160	5,710	6,300	6,930	7,580
E73-582	M7KH-0064-CAA-177	R-134a	1/2+	115	1	4,250	5,310	5,890	6,490	7,130	7,800	8,490
E73-584	M7KH-0064-CAA-272	R-134a	1/2+	115	1	4,250	5,310	5,890	6,490	7,130	7,800	8,490
E73-624	M7ZH-H067-CFA-177	R-134a	1/2+	115	1	4,210	5,420	6,070	6,730	7,400	8,070	8,720
E73-416	M7ZH-H067-CFA-272	R-134a	1/2+	115	1	4,210	5,420	6,070	6,730	7,400	8,070	8,720
E73-578	M7KH-0060-CAV-177	R-134a	1/2+	208-230	1	3,790	4,760	5,290	5,860	6,440	7,060	7,690
E73-580	M7KH-0060-CAV-272	R-134a	1/2+	208-230	1	3,790	4,760	5,290	5,860	6,440	7,060	7,690
E73-586	M7KH-0064-CAV-177	R-134a	1/2+	208-230	1	4,250	5,310	5,890	6,490	7,130	7,800	8,490
E73-588	M7KH-0064-CAV-272	R-134a	1/2+	208-230	1	4,250	5,310	5,890	6,490	7,130	7,800	8,490
E73-417	M7ZH-H067-CFV-177	R-134a	1/2+	208-230	1	4,210	5,420	6,070	6,730	7,400	8,070	8,720
E73-419	M7ZH-H067-CFV-272	R-134a	1/2+	208-230	1	4,210	5,420	6,070	6,730	7,400	8,070	8,720
E73-590	M7KH-0075-CFA-177	R-134a	3/4	115	1	4,600	5,980	6,720	7,470	8,230	8,980	9,700
E73-591	M7KH-0075-CFA-272	R-134a	3/4	115	1	4,600	5,980	6,720	7,470	8,230	8,980	9,700
E73-350	M7KH-0075-CFV-177	R-134a	3/4	208-230	1	4,600	5,980	6,720	7,470	8,230	8,980	9,700
E73-592	M7KH-0075-CFV-272	R-134a	3/4	208-230	1	4,600	5,980	6,720	7,470	8,230	8,980	9,700
E73-352	M7KH-0086-CFA-072	R-134a	1	115	1	5,660	6,940	7,610	8,300	9,010	9,750	10,500
E73-353	M7KH-0086-CFA-177	R-134a	1	115	1	5,660	6,940	7,610	8,300	9,010	9,750	10,500
E73-355	M7KH-0086-CFA-272	R-134a	1	115	1	5,660	6,940	7,610	8,300	9,010	9,750	10,500
E73-600	M7KH-0096-CFA-177	R-134a	1	115	1	6,090	7,690	8,550	9,450	10,400	11,400	12,400
E73-356	M7KH-0086-CFV-072	R-134a	1	208-230	1	5,660	6,940	7,610	8,300	9,010	9,750	10,500
E73-357	M7KH-0086-CFV-177	R-134a	1	208-230	1	5,660	6,940	7,610	8,300	9,010	9,750	10,500
E73-359	M7KH-0086-CFV-272	R-134a	1	208-230	1	5,660	6,940	7,610	8,300	9,010	9,750	10,500
E73-602	M7KH-0096-CFV-072	R-134a	1	208-230	1	6,090	7,690	8,550	9,450	10,400	11,400	12,400
E73-603	M7KH-0096-CFV-177	R-134a	1	208-230	1	6,090	7,690	8,550	9,450	10,400	11,400	12,400

Additional Specifications

Order #	Mfg. #	Compressor #	Min. Circuit Amps	Max. Fuse Size	Suction Conn.	Liquid Conn.	Pressure Control	Receiver Capacity Lbs.	Length	Width	Height	Wt. Lbs.
E73-318	M7JH-0012-IAA-177	ARE13C4E-IAA-901	5.9	15	3/8" ODF	1/4" ODF	N	1.5	14.1	11.45	11.37	35
E73-319	M7JH-0012-IAA-179	ARE13C4E-IAA-901	5.9	15	3/8" ODF	1/4" ODF	N	1.5	13.9	11.5	9.6	34
E73-320	M7JH-0014-IAA-177	ARE17C4E-IAA-901	6.2	15	3/8" ODF	1/4" ODF	N	1.5	14.1	11.45	11.37	41
E73-321	M7JH-0014-IAA-179	ARE17C4E-IAA-901	6.2	15	3/8" ODF	1/4" ODF	N	1.5	13.9	11.5	9.6	35
E73-323	M7JH-0018-IAA-177	ARE25C4E-IAA-901	6.8	15	3/8" ODF	1/4" ODF	N	1.5	14.1	11.45	11.37	40
E73-324	M7JH-0018-IAA-179	ARE25C4E-IAA-901	6.8	15	3/8" ODF	1/4" ODF	N	1.5	13.9	11.5	9.6	35

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Order #	Mfg. #	Compressor #	Min. Circuit Amps	Max. Fuse Size	Suction Conn.	Liquid Conn.	Pressure Control	Receiver Capacity Lbs.	Length	Width	Height	Wt. Lbs.
E42-088	M7JH-H020-IAA-177	ARE25C4E-IAA-901	6.8	15	3/8" ODF	1/4" ODF	N	1.5	14.11	11.45	11.37	41
E42-090	M7JH-H024-IAA-177	ARE29C4E-IAA-901	5.5	15	3/8" ODF	1/4" ODF	N	1.5	14.11	11.45	11.37	42
E73-332	M7JH-H029-IAA-177	ARE35C5E-IAA-901	9.3	15	3/8" ODF	1/4" ODF	N	1.5	14.39	11.57	11.37	90
E73-333	M7JH-H029-IAA-179	ARE35C5E-IAA-901	9.3	15	3/8" ODF	1/4" ODF	N	1.5	13.96	11.56	9.67	36
E73-334	M7JH-H029-IAA-272	ARE35C5E-IAA-901	9.3	15	3/8" ODF	1/4" ODF	N	1.5	14.41	12.12	11.37	44
E42-196	M7ZH-0031-IAA-177	ARE35C5E-IAA-901	9.5	15	3/8" ODF	1/4" ODF	N	1.5	16.51	12.68	11.73	48
E42-198	M7ZH-0031-IAA-272	ARE35C5E-IAA-901	9.5	15	3/8" ODF	1/4" ODF	N	1.5	16.58	13.09	11.71	55
E73-397	M7ZH-0041-IAA-177	ARE48C5E-IAA-901	10.9	15	3/8" ODF	1/4" ODF	N	1.5	16.51	12.68	11.73	62
E42-202	M7ZH-0041-IAA-272	ARE48C5E-IAA-901	10.9	15	3/8" ODF	1/4" ODF	N	1.5	16.58	13.09	11.71	67
E73-402	M7ZH-0045-IAA-177	ARE54C5E-IAA-901	12.5	20	3/8" ODF	1/4" ODF	N	1.5	16.51	12.68	11.73	67
E42-203	M7ZH-0045-IAA-179	ARE54C5E-IAA-901	12.5	20	3/8" ODF	1/4" ODF	N	1.5	16.17	13.38	11.73	48
E73-403	M7ZH-0045-IAA-272	ARE54C5E-IAA-901	12.5	20	3/8" ODF	1/4" ODF	N	1.5	16.58	13.09	11.71	46
E73-406	M7ZH-H046-IAA-177	RRT62C1E-IAA-901	12.8	20	1/2" ODF	3/8" ODF	N	1.5	17.45	13.46	11.71	42
E73-408	M7ZH-H046-IAA-272	RRT62C1E-IAA-901	12.8	20	1/2" ODF	3/8" ODF	N	1.5	17.45	13.57	11.71	58
E73-848	M7ZH-H055-CFA-177	RRT64C1E	14.6	—	1/2" ODF	3/8" ODF	N	2.8	17.31	13.56	11.7	37
E73-851	M7ZH-H055-CFA-272	RRT64C1E	14.6	—	1/2" ODF	3/8" ODF	N	2.8	17.31	13.56	11.7	37
E42-205	M7ZH-0045-IAV-177	ARE54C5E-IAV-901	6.9	15	3/8" ODF	1/4" ODF	N	1.5	16.51	12.68	11.73	—
E73-409	M7ZH-H046-IAV-177	RRT62C1E-IAV-901	6	15	1/2" ODF	3/8" ODF	N	1.5	17.45	13.46	11.71	24
E73-413	M7ZH-H055-CAV-177	RRT64C1E-CAV-901	8.6	15	1/2" ODF	3/8" ODF	N	1.5	17.36	13.45	11.75	65
E73-414	M7ZH-H055-CAV-272	RRT64C1E-CAV-901	8.6	15	1/2" ODF	3/8" ODF	N	1.5	17.36	13.62	11.71	75
E73-831	M7GH-H057-CFA-177	RRT64C1E	15.5	—	1/2" ODF	3/8" ODF	N	2.9	18.86	14.35	11.79	37
E73-834	M7GH-H057-CFA-272	RRT64C1E	15.5	—	1/2" ODF	3/8" ODF	N	2.9	18.86	14.35	11.79	37
E73-837	M7KH-0060-CFA-177	RRT64C1E	15.8	—	1/2" ODF	3/8" ODF	N	4.9	24	16.48	13.08	37
E73-840	M7KH-0060-CFA-272	RRT64C1E	15.8	—	1/2" ODF	3/8" ODF	N	4.9	24	16.48	13.08	37
E73-582	M7KH-0064-CAA-177	RRT73C1E-IAA-901	15.8	20	1/2" ODF	1/4" ODF	N	3.3	24	16.39	13.08	86
E73-584	M7KH-0064-CAA-272	RRT73C1E-IAA-901	15.8	20	1/2" ODF	1/4" ODF	N	3.3	24	16.39	13.08	—
E73-624	M7ZH-H067-CFA-177	RRT81C1E-PFA-959	17.1	25	5/8" ODF	3/8" ODF	N	1.5	17.31	13.81	12.29	75
E73-416	M7ZH-H067-CFA-272	RRT81C1E-PFA-959	17.1	25	5/8" ODF	3/8" ODF	N	1.5	17.31	13.82	12.29	73
E73-578	M7KH-0060-CAV-177	RRT64C1E-CAV-901	9.2	15	1/2" ODF	1/4" ODF	N	3.3	24	16.39	13.08	86
E73-580	M7KH-0060-CAV-272	RRT64C1E-CAV-901	9.2	15	1/2" ODF	3/8" ODF	N	3.3	24	16.39	13.08	—
E73-586	M7KH-0064-CAV-177	RRT73C1E-CAV-901	11.8	15	1/2" ODF	1/4" ODF	N	3.3	24	16.39	13.08	86
E73-588	M7KH-0064-CAV-272	RRT73C1E-CAV-901	11.8	15	1/2" ODF	3/8" ODF	N	3.3	24	16.39	13.08	86
E73-417	M7ZH-H067-CFV-177	RRT81C1E-PFV-959	8.7	15	5/8" ODF	3/8" ODF	N	1.5	17.31	13.81	12.29	67
E73-419	M7ZH-H067-CFV-272	RRT81C1E-PFV-959	8.7	15	5/8" ODF	3/8" ODF	N	1.5	17.31	13.82	12.29	67
E73-590	M7KH-0075-CFA-177	RRT81C1E-PFA-959	18.3	25	5/8" ODF	3/8" ODF	N	3.3	24	16.39	13.08	62
E73-591	M7KH-0075-CFA-272	RRT81C1E-PFA-959	18.3	25	5/8" ODF	3/8" ODF	N	3.3	24	16.39	13.08	62
E73-350	M7KH-0075-CFV-177	RRT81C1E-PFV-959	9.3	15	5/8" ODF	3/8" ODF	N	3.3	24	16.39	13.08	86
E73-592	M7KH-0075-CFV-272	RRT81C1E-PFV-959	9.3	15	5/8" ODF	3/8" ODF	N	3.3	24	16.39	13.08	86
E73-352	M7KH-0086-CFA-072	RRT10K1E-PFA-959	19	30	5/8" ODF	3/8" ODF	Y	3.3	24	16.39	13.08	88
E73-353	M7KH-0086-CFA-177	RRT10K1E-PFA-959	19	30	5/8" ODF	3/8" ODF	N	3.3	24	16.39	13.08	90
E73-355	M7KH-0086-CFA-272	RRT10K1E-PFA-959	19	30	5/8" ODF	3/8" ODF	N	3.3	24	16.39	13.08	90
E73-600	M7KH-0096-CFA-177	RRT10K1E-PFA-959	19.4	30	5/8" ODF	3/8" ODF	N	5.7	24	18.45	16.16	64
E73-356	M7KH-0086-CFV-072	RRT10K1E-PFV-959	11.2	15	5/8" ODF	3/8" ODF	Y	3.3	24	16.39	13.08	85
E73-357	M7KH-0086-CFV-177	RRT10K1E-PFV-959	11.2	15	5/8" ODF	3/8" ODF	N	3.3	24	16.39	13.08	62
E73-359	M7KH-0086-CFV-272	RRT10K1E-PFV-959	11.2	15	5/8" ODF	3/8" ODF	N	3.3	24	16.39	13.08	62
E73-602	M7KH-0096-CFV-072	RRT10K1E-PFV-959	11.4	15	5/8" ODF	3/8" ODF	Y	5.7	24	18.3	16.16	85
E73-603	M7KH-0096-CFV-177	RRT10K1E-PFV-959	11.4	15	5/8" ODF	3/8" ODF	N	5.7	24	18.45	16.16	—

R134a Medium Temperature Condensing Units

- All units charged with POE oil and dry nitrogen
- BtuH capacity ratings are based on a 90°F ambient at listed evaporating temperatures

Order #	Mfg. #	Refrigerant	HP	Volts	Phase	BtuH Capacity @ -10°F Evap.	BtuH Capacity @ 0°F Evap.	BtuH Capacity @ 10°F Evap.	BtuH Capacity @ 15°F Evap.	BtuH Capacity @ 20°F Evap.	BtuH Capacity @ 25°F Evap.	BtuH Capacity @ 30°F Evap.
E73-344	M7JP-0020-IAA-177	R-134a	1/5	115	1	946	1,220	1,540	1,720	1,910	—	—
E73-346	M7JP-0029-IAA-177	R-134a	1/3	115	1	1,230	1,600	2,020	2,260	2,500	2,750	—
E73-420	M7ZP-0041-IAA-177	R-134a	1/3+	115	1	1,850	2,400	3,030	3,360	—	—	—
E42-227	M7ZP-0041-IAA-272	R-134a	1/3+	115	1	1,850	2,400	3,030	3,360	—	—	—
E73-315	M7GP-H066-CFA-177	R-134a	1/2+	115	1	2,650	3,470	4,330	4,780	5,240	5,710	6,200
E73-317	M7GP-H066-CFA-272	R-134a	1/2+	115	1	2,650	3,470	4,330	4,780	5,240	5,710	6,200
E73-422	M7ZP-H062-CFA-177	R-134a	1/2+	115	1	2,930	3,710	4,510	4,930	5,350	5,780	—
E73-424	M7ZP-H062-CFA-272	R-134a	1/2+	115	1	2,930	3,710	4,510	4,930	5,350	5,780	—

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Additional Specifications

Order #	Mfg. #	Compressor #	Min. Circuit Amps	Max. Fuse Size	Suction Conn.	Liquid Conn.	Receiver Capacity Lbs.	Length	Width	Height	Wt. Lbs.
E73-344	M7JP-0020-IAA-177	AFF07C1E-IAA	5.9	15	3/8" ODF	1/4" ODF	1.5	14.4	12.1	11.4	60
E73-346	M7JP-0029-IAA-177	AFF10C1E-IAA	4.9	15	3/8" ODF	1/4" ODF	1.5	14.4	12.1	11.4	67
E73-420	M7ZP-0041-IAA-177	AFE12C4E-IAA	9	15	3/8" ODF	1/4" ODF	1.5	16.5	12.7	11.7	53
E42-227	M7ZP-0041-IAA-272	AFE12C4E-IAA	9	15	3/8" ODF	1/4" ODF	1.5	16.5	12.7	11.7	53
E73-315	M7GP-H066-CFA-177	RFT18C1E-PFA	13.8	20	1/2" ODF	3/8" ODF	1.5	18.8	14.3	12.3	72
E73-317	M7GP-H066-CFA-272	RFT18C1E-PFA	13.8	20	1/2" ODF	3/8" ODF	1.5	18.8	14.3	12.3	72
E73-422	M7ZP-H062-CFA-177	RFT18C1E-PFA	13	20	1/2" ODF	3/8" ODF	1.5	17.3	13.8	12.3	63
E73-424	M7ZP-H062-CFA-272	RFT18C1E-PFA	13	20	1/2" ODF	3/8" ODF	1.5	17.3	13.8	12.3	63

R404A Medium Temperature Condensing Units

- All units charged with POE oil and dry nitrogen
- BtuH capacity ratings are based on a 90°F ambient at listed evaporating temperatures

Order #	Mfg. #	Refrigerant	HP	Volts	Phase	BtuH Capacity @ -10°F Evap.	BtuH Capacity @ 0°F Evap.	BtuH Capacity @ 10°F Evap.	BtuH Capacity @ 15°F Evap.	BtuH Capacity @ 20°F Evap.	BtuH Capacity @ 25°F Evap.	BtuH Capacity @ 30°F Evap.
E73-139	M6JM-0017-IAA-177	R-404A	1/5	115	1	785	989	1,220	1,350	1,480	1,620	1,750
E73-140	M6JM-0017-IAA-179	R-404A	1/5	115	1	785	989	1,220	1,350	1,480	1,620	1,750
E73-141	M6JM-H020-IAA-177	R-404A	1/5	115	1	855	1,090	1,370	1,530	1,700	1,880	2,060
E73-143	M6JM-H023-IAA-177	R-404A	1/4	115	1	1,060	1,320	1,640	1,810	1,990	2,180	2,380
E41-880	M6JM-H028-IAA-177	R-404A	1/4	115	1	1,230	1,690	2,100	2,300	2,510	2,730	2,960
E41-980	M6ZM-0025-IAA-177	R-404A	1/4	115	1	1,240	1,730	2,190	2,420	2,650	2,910	3,180
E41-992	M6ZM-H026-CAA-177	R-404A	1/4	115	1	1,480	1,770	2,200	2,450	2,710	2,980	3,260
E41-994	M6ZM-H026-CAA-272	R-404A	1/4	115	1	1,480	1,770	2,200	2,450	2,710	2,980	3,260
E41-883	M6JM-H028-IAV-177	R-404A	1/4	208-230	1	1,230	1,690	2,100	2,300	2,510	2,730	2,960
E73-265	M6ZM-0025-IAV-177	R-404A	1/4	208-230	1	1,240	1,730	2,190	2,420	2,650	2,910	3,180
E73-266	M6ZM-0025-IAV-179	R-404A	1/4	208-230	1	1,240	1,730	2,190	2,420	2,650	2,910	3,180
E41-888	M6JM-H035-IAA-177	R-404A	1/3	115	1	1,880	2,070	2,470	2,740	3,050	3,390	3,760
E41-890	M6JM-H035-IAA-272	R-404A	1/3	115	1	1,880	2,070	2,470	2,740	3,050	3,390	3,760
E73-268	M6ZM-0032-IAA-177	R-404A	1/3	115	1	1,340	1,850	2,280	2,510	2,770	3,080	3,450
E73-270	M6ZM-0032-IAA-272	R-404A	1/3	115	1	1,340	1,850	2,280	2,510	2,770	3,080	3,450
E41-984	M6ZM-0038-IAA-177	R-404A	1/3	115	1	1,950	2,160	2,610	2,910	3,270	3,660	4,090
E41-986	M6ZM-0038-IAA-272	R-404A	1/3	115	1	1,950	2,160	2,610	2,910	3,270	3,660	4,090
E41-892	M6JM-H035-IAV-177	R-404A	1/3	208-230	1	1,880	2,070	2,470	2,740	3,050	3,390	3,760
E41-988	M6ZM-0038-IAV-177	R-404A	1/3	208-230	1	1,950	2,160	2,610	2,910	3,270	3,660	4,090
E73-146	M6JM-H043-IAA-177	R-404A	1/2	115	1	2,460	3,170	3,890	4,250	4,610	4,980	5,340
E41-895	M6JM-H043-IAA-272	R-404A	1/2	115	1	2,460	3,170	3,890	4,250	4,610	4,980	5,340
E73-203	M6QM-H049-IAA-272	R-404A	1/2	115	1	2,460	3,170	3,890	4,250	4,610	4,980	5,340
E73-271	M6ZM-0048-IAA-177	R-404A	1/2	115	1	2,460	3,170	3,890	4,250	4,610	4,980	5,340
E73-272	M6ZM-0048-IAA-272	R-404A	1/2	115	1	2,460	3,170	3,890	4,250	4,610	4,980	5,340
E73-274	M6ZM-H054-IAA-272	R-404A	1/2	115	1	2,460	3,170	3,890	4,250	4,610	4,980	5,340
E73-275	M6ZP-0053-IAA-177	R-404A	1/2	115	1	2,460	3,170	3,890	4,250	4,610	4,980	5,340
E73-277	M6ZP-0053-IAA-272	R-404A	1/2	115	1	2,460	3,170	3,890	4,250	4,610	4,980	5,340
E42-002	M6ZM-H054-CAV-177	R-404A	1/2	208-230	1	2,460	3,170	3,890	4,250	4,610	4,980	5,340
E73-279	M6ZP-0053-IAV-177	R-404A	1/2	208-230	1	2,460	3,170	3,890	4,250	4,610	4,980	5,340
E73-106	M6GP-H064-CAA-177	R-404A	1/2+	115	1	2,580	3,360	4,170	4,600	5,040	5,490	5,970
E73-108	M6GP-H064-CAA-272	R-404A	1/2+	115	1	2,580	3,360	4,170	4,600	5,040	5,490	5,970
E42-005	M6ZP-H059-CAA-177	R-404A	1/2+	115	1	2,480	3,190	3,920	4,290	4,670	5,060	5,450
E42-006	M6ZP-H059-CAA-272	R-404A	1/2+	115	1	2,480	3,190	3,920	4,290	4,670	5,060	5,450
E73-110	M6GP-H064-CAV-177	R-404A	1/2+	208-230	1	2,580	3,360	4,170	4,600	5,040	5,490	5,970
E42-008	M6ZP-H059-CAV-177	R-404A	1/2+	208-230	1	2,480	3,190	3,920	4,290	4,670	5,060	5,450
E73-796	M6GP-H074-CFA-177	R-404A	3/4	115	1	2,670	3,500	4,380	4,840	5,300	5,770	—
E73-800	M6GP-H074-CFA-272	R-404A	3/4	115	1	2,670	3,500	4,380	4,840	5,300	5,770	—
E73-803	M6KP-0075-CFA-072	R-404A	3/4	115	1	2,870	3,640	4,520	4,990	5,480	5,980	6,490
E73-805	M6KP-0075-CFA-177	R-404A	3/4	115	1	2,870	3,640	4,520	4,990	5,480	5,980	6,490
E73-808	M6KP-0075-CFA-272	R-404A	3/4	115	1	2,870	3,640	4,520	4,990	5,480	5,980	6,490
E73-112	M6GP-H074-CAV-177	R-404A	3/4	208-230	1	3,070	3,950	4,910	5,400	5,910	6,430	—
E73-479	M6GP-H074-CAV-272	R-404A	3/4	208-230	1	3,070	3,950	4,910	5,400	5,910	6,430	—
E73-156	M6KP-0075-CAV-072	R-404A	3/4	208-230	1	3,290	4,130	5,080	5,590	6,120	6,660	7,210
E73-157	M6KP-0075-CAV-177	R-404A	3/4	208-230	1	3,290	4,130	5,080	5,590	6,120	6,660	7,210
E73-158	M6KP-0075-CAV-272	R-404A	3/4	208-230	1	3,290	4,130	5,080	5,590	6,120	6,660	7,210
E73-116	M6GP-H090-CFA-177	R-404A	1	115	1	4,010	4,980	6,000	6,520	7,050	7,580	8,130
E73-118	M6GP-H090-CFA-272	R-404A	1	115	1	4,010	4,980	6,000	6,520	7,050	7,580	8,130
E73-162	M6KP-0092-CFA-072	R-404A	1	115	1	4,050	5,040	6,090	6,630	7,190	7,750	8,330
E73-163	M6KP-0092-CFA-177	R-404A	1	115	1	4,050	5,040	6,090	6,630	7,190	7,750	8,330
E73-165	M6KP-0092-CFA-272	R-404A	1	115	1	4,050	5,040	6,090	6,630	7,190	7,750	8,330
E73-493	M6KP-0102-CFA-072	R-404A	1	115	1	4,420	5,600	6,910	7,620	8,370	9,150	9,970

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Order #	Mfg. #	Refrigerant	HP	Volts	Phase	BtuH Capacity @ -10°F Evap.	BtuH Capacity @ 0°F Evap.	BtuH Capacity @ 10°F Evap.	BtuH Capacity @ 15°F Evap.	BtuH Capacity @ 20°F Evap.	BtuH Capacity @ 25°F Evap.	BtuH Capacity @ 30°F Evap.
E73-494	M6KP-0102-CFA-177	R-404A	1	115	1	4,420	5,600	6,910	7,620	8,370	9,150	9,970
E73-113	M6GP-H090-CAV-177	R-404A	1	208-230	1	4,010	4,980	6,000	6,520	7,050	7,580	8,130
E73-115	M6GP-H090-CAV-272	R-404A	1	208-230	1	4,010	4,980	6,000	6,520	7,050	7,580	8,130
E73-159	M6KP-0092-CAV-072	R-404A	1	208-230	1	4,050	5,040	6,090	6,630	7,190	7,750	8,330
E73-160	M6KP-0092-CAV-177	R-404A	1	208-230	1	4,050	5,040	6,090	6,630	7,190	7,750	8,330
E73-161	M6KP-0092-CAV-272	R-404A	1	208-230	1	4,050	5,040	6,090	6,630	7,190	7,750	8,330
E73-166	M6KP-0095-CFV-072	R-404A	1	208-230	1	4,100	5,230	6,430	7,050	7,680	8,310	8,940
E73-490	M6KP-0095-CFV-177	R-404A	1	208-230	1	4,100	5,230	6,430	7,050	7,680	8,310	8,940
E73-167	M6KP-0095-CFV-272	R-404A	1	208-230	1	4,100	5,230	6,430	7,050	7,680	8,310	8,940
E73-168	M6KP-0102-CAV-072	R-404A	1	208-230	1	4,420	5,600	6,910	7,620	8,370	9,150	9,970
E73-169	M6KP-0102-CAV-177	R-404A	1	208-230	1	4,420	5,600	6,910	7,620	8,370	9,150	9,970
E73-175	M6KP-0112-CFV-072	R-404A	1-1/4	208-230	1	5,200	6,530	8,010	8,810	9,650	10,500	—
E73-497	M6KP-0112-CFV-177	R-404A	1-1/4	208-230	1	5,200	6,530	8,010	8,810	9,650	10,500	—
E73-178	M6KP-0127-CFV-072	R-404A	1-1/4	208-230	1	5,270	6,720	8,330	9,190	10,100	11,000	12,000
E73-503	M6KP-0127-CFV-177	R-404A	1-1/4	208-230	1	5,270	6,720	8,330	9,190	10,100	11,000	12,000
E73-180	M6KP-0142-CFV-072	R-404A	1-1/2	208-230	1	5,920	7,460	9,150	10,000	11,000	11,900	12,900
E73-181	M6KP-0142-CFV-177	R-404A	1-1/2	208-230	1	5,920	7,460	9,150	10,000	11,000	11,900	12,900

Additional Specifications

Order #	Mfg. #	Compressor #	Min. Circuit Amps	Max. Fuse Size	Suction Conn.	Liquid Conn.	Receiver Capacity Lbs.	Length	Width	Height	Wt. Lbs.
E73-139	M6JM-0017-IAA-177	ASE12C4E-IAA	5.7	15	3/8" ODF	1/4" ODF	1.3	14.1	11.5	11.4	39
E73-140	M6JM-0017-IAA-179	ASE12C4E-IAA	5.7	15	3/8" ODF	1/4" ODF	1.3	14.1	11.5	11.4	39
E73-141	M6JM-H020-IAA-177	ASE12C4E-IAA	5.7	15	3/8" ODF	1/4" ODF	1.3	14.1	11.5	11.4	52
E73-143	M6JM-H023-IAA-177	ASE14C4E-IAA	6.7	15	3/8" ODF	1/4" ODF	1.3	14.1	11.5	11.4	52
E41-880	M6JM-H028-IAA-177	ASE20C4E-IAA	8.2	15	3/8" ODF	1/4" ODF	1.3	14.1	11.5	11.4	50
E41-980	M6ZM-0025-IAA-177	—	—	—	—	—	—	—	—	—	—
E41-992	M6ZM-H026-CAA-177	ASE20C4E-CAA	7.8	15	3/8" ODF	1/4" ODF	1.3	16.5	12.8	11.7	64
E41-994	M6ZM-H026-CAA-272	ASE20C4E-CAA	7.8	15	3/8" ODF	1/4" ODF	1.3	16.5	12.8	11.7	64
E41-883	M6JM-H028-IAV-177	—	—	—	—	—	—	—	—	—	—
E73-265	M6ZM-0025-IAV-177	ASE20C4E-IAV	4.4	15	3/8" ODF	1/4" ODF	1.3	16.5	12.7	11.7	45
E73-266	M6ZM-0025-IAV-179	ASE20C4E-IAV	4.4	15	3/8" ODF	1/4" ODF	1.3	16.5	12.7	11.7	45
E41-888	M6JM-H035-IAA-177	ASE28C5E-IAA	9.7	15	3/8" ODF	1/4" ODF	1.3	14.4	11.6	11.4	50
E41-890	M6JM-H035-IAA-272	ASE28C5E-IAA	9.7	15	3/8" ODF	1/4" ODF	1.3	14.4	11.6	11.4	50
E73-268	M6ZM-0032-IAA-177	ASE24C5E-IAA	8.6	15	3/8" ODF	1/4" ODF	1.3	16.5	12.7	11.7	45
E73-270	M6ZM-0032-IAA-272	ASE24C5E-IAA	8.6	15	3/8" ODF	1/4" ODF	1.3	16.5	12.7	11.7	45
E41-984	M6ZM-0038-IAA-177	ASE28C5E-IAA	9.9	15	3/8" ODF	1/4" ODF	1.3	16.5	12.7	11.7	46
E41-986	M6ZM-0038-IAA-272	ASE28C5E-IAA	9.9	15	3/8" ODF	1/4" ODF	1.3	16.5	12.7	11.7	46
E41-892	M6JM-H035-IAV-177	ASE28C5E-IAV	5.6	15	3/8" ODF	1/4" ODF	1.3	14.4	11.6	11.4	50
E41-988	M6ZM-0038-IAV-177	ASE28C5E-IAV	5.6	15	3/8" ODF	1/4" ODF	1.3	16.5	12.7	11.7	42
E73-146	M6JM-H043-IAA-177	ASE39C5E-IAA	13.2	20	3/8" ODF	1/4" ODF	1.3	14.4	11.5	11.4	40
E41-895	M6JM-H043-IAA-272	ASE39C5E-IAA	13.2	20	3/8" ODF	1/4" ODF	1.3	14.4	11.5	11.4	40
E73-203	M6QM-H049-IAA-272	ASE39C5E-IAA	13.4	20	3/8" ODF	1/4" ODF	1.3	15.7	12.1	11.4	55
E73-271	M6ZM-0048-IAA-177	ASE39C5E-IAA	13.4	20	3/8" ODF	1/4" ODF	1.3	16.5	12.7	11.7	61
E73-272	M6ZM-0048-IAA-272	ASE39C5E-IAA	13.4	20	3/8" ODF	1/4" ODF	1.3	16.5	12.7	11.7	61
E73-274	M6ZM-H054-IAA-272	—	—	—	—	—	—	—	—	—	—
E73-275	M6ZP-0053-IAA-177	RST45C1E-IAA	14	20	1/2" ODF	3/8" ODF	1.3	17.4	13.5	11.8	70
E73-277	M6ZP-0053-IAA-272	RST45C1E-IAA	14	20	1/2" ODF	3/8" ODF	1.3	17.4	13.5	11.8	70
E42-002	M6ZM-H054-CAV-177	ASE39C5E-CAV	7.7	15	3/8" ODF	1/4" ODF	1.3	16.6	12.8	11.7	75
E73-279	M6ZP-0053-IAV-177	RST45C1E-IAV	7.2	15	1/2" ODF	3/8" ODF	1.3	17.4	13.6	11.8	42
E73-106	M6GP-H064-CAA-177	RST45C1E-CAA	14.8	20	1/2" ODF	3/8" ODF	1.3	18.9	14.3	11.8	42
E73-108	M6GP-H064-CAA-272	RST45C1E-CAA	14.8	20	1/2" ODF	3/8" ODF	1.3	18.9	14.3	11.8	42
E42-005	M6ZP-H059-CAA-177	—	—	—	—	—	—	—	—	—	—
E42-006	M6ZP-H059-CAA-272	—	—	—	—	—	—	—	—	—	—
E73-110	M6GP-H064-CAV-177	RST45C1E-CAV	7.6	15	1/2" ODF	3/8" ODF	1.3	18.9	14.3	11.8	68
E42-008	M6ZP-H059-CAV-177	RST45C1E-CAV	7.2	15	1/2" ODF	3/8" ODF	1.3	17.4	13.5	11.8	85
E73-796	M6GP-H074-CFA-177	RST55C1E	20.5	—	1/2" ODF	3/8" ODF	2.7	18.9	14.3	11.8	38
E73-800	M6GP-H074-CFA-272	RST55C1E	20.5	—	1/2" ODF	3/8" ODF	2.7	18.9	14.3	11.8	38
E73-803	M6KP-0075-CFA-072	RST55C1E	20.8	—	1/2" ODF	3/8" ODF	4.2	24.0	16.4	13.1	38
E73-805	M6KP-0075-CFA-177	RST55C1E	20.8	—	1/2" ODF	3/8" ODF	4.2	24.0	16.4	13.1	38
E73-808	M6KP-0075-CFA-272	RST55C1E	20.8	—	1/2" ODF	3/8" ODF	4.2	24.0	16.4	13.1	38
E73-112	M6GP-H074-CAV-177	RST55C1E-CAV	9.5	15	1/2" ODF	3/8" ODF	1.3	18.9	14.3	11.8	62
E73-479	M6GP-H074-CAV-272	RST55C1E-CAV	9.5	15	1/2" ODF	3/8" ODF	1.3	18.9	14.3	11.8	62
E73-156	M6KP-0075-CAV-072	RST55C1E-CAV	9.7	15	1/2" ODF	1/4" ODF	2.8	24	16.4	13.1	85
E73-157	M6KP-0075-CAV-177	RST55C1E-CAV	9.7	15	1/2" ODF	1/4" ODF	2.8	24	16.4	13.1	85
E73-158	M6KP-0075-CAV-272	RST55C1E-CAV	9.7	15	1/2" ODF	1/4" ODF	2.8	24	16.4	13.1	85
E73-116	M6GP-H090-CFA-177	RST64C1E-CFA	20	30	1/2" ODF	3/8" ODF	1.3	18.8	14.3	12.3	70
E73-118	M6GP-H090-CFA-272	RST64C1E-CFA	20	30	1/2" ODF	3/8" ODF	1.3	18.8	14.3	12.3	70

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Order #	Mfg. #	Compressor #	Min. Circuit Amps	Max. Fuse Size	Suction Conn.	Liquid Conn.	Receiver Capacity Lbs.	Length	Width	Height	Wt. Lbs.
E73-162	M6KP-0092-CFA-072	RST64C1E-CFA	20.3	30	1/2" ODF	3/8" ODF	2.8	24	16.4	13.1	84
E73-163	M6KP-0092-CFA-177	RST64C1E-CFA	20.3	30	1/2" ODF	3/8" ODF	2.8	24	16.4	13.1	84
E73-165	M6KP-0092-CFA-272	RST64C1E-CFA	20.3	30	1/2" ODF	3/8" ODF	2.8	24	16.4	13.1	84
E73-493	M6KP-0102-CFA-072	RST64C1E-CFA	20.7	30	1/2" ODF	3/8" ODF	4.9	24	18.3	16.2	75
E73-494	M6KP-0102-CFA-177	RST64C1E-CFA	20.7	30	1/2" ODF	3/8" ODF	4.9	24	18.3	16.2	75
E73-113	M6GP-H090-CAV-177	RST64C1E-CAV	12.3	20	1/2" ODF	3/8" ODF	1.3	18.8	14.3	12.3	42
E73-115	M6GP-H090-CAV-272	RST64C1E-CAV	12.3	20	1/2" ODF	3/8" ODF	1.3	18.8	14.3	12.3	42
E73-159	M6KP-0092-CAV-072	RST64C1E-CAV	12.4	20	1/2" ODF	1/4" ODF	2.8	24	16.4	13.1	72
E73-160	M6KP-0092-CAV-177	RST64C1E-CAV	12.4	20	1/2" ODF	1/4" ODF	2.8	24	16.4	13.1	72
E73-161	M6KP-0092-CAV-272	RST64C1E-CAV	12.4	20	1/2" ODF	1/4" ODF	2.8	24	16.4	13.1	72
E73-166	M6KP-0095-CFV-072	RST70C1E-PFV	10.8	15	5/8" ODF	3/8" ODF	2.8	24	16.4	13.1	62
E73-490	M6KP-0095-CFV-177	RST70C1E-PFV	10.8	15	5/8" ODF	3/8" ODF	2.8	24	16.4	13.1	62
E73-167	M6KP-0095-CFV-272	RST70C1E-PFV	10.8	15	5/8" ODF	3/8" ODF	2.8	24	16.4	13.1	62
E73-168	M6KP-0102-CAV-072	RST64C1E-CAV	12.7	20	1/2" ODF	3/8" ODF	4.9	24	18.4	16.2	60
E73-169	M6KP-0102-CAV-177	RST64C1E-CAV	12.7	20	1/2" ODF	3/8" ODF	4.9	24	18.4	16.2	60
E73-175	M6KP-0112-CFV-072	RST70C1E-PFV	11	15	5/8" ODF	3/8" ODF	4.9	24	18.5	16.2	62
E73-497	M6KP-0112-CFV-177	RST70C1E-PFV	11	15	5/8" ODF	3/8" ODF	4.9	24	18.5	16.2	62
E73-178	M6KP-0127-CFV-072	RST80C1E-PFV	13	20	5/8" ODF	3/8" ODF	4.9	24	18.5	16.2	103
E73-503	M6KP-0127-CFV-177	RST80C1E-PFV	13	20	5/8" ODF	3/8" ODF	4.9	24	18.5	16.2	103
E73-180	M6KP-0142-CFV-072	RST97C1E-PFV	13.9	20	5/8" ODF	3/8" ODF	4.9	24	18.5	16.2	97
E73-181	M6KP-0142-CFV-177	RST97C1E-PFV	13.9	20	5/8" ODF	3/8" ODF	4.9	24	18.5	16.2	97

R404A Low Temperature Condensing Units

- All units charged with POE oil and dry nitrogen
- BtuH capacity ratings are based on a 90°F ambient at listed evaporating temperatures

Order #	Mfg. #	Refrigerant	HP	Volts	Phase	BtuH Capacity @ -20°F Evap.	BtuH Capacity @ -10°F Evap.	BtuH Capacity @ 0°F Evap.	Compressor #	Min. Circuit Amps	Max. Fuse Size	Suction Conn.	Liquid Conn.	Receiver Capacity Lbs.	Length	Width	Height	Wt. Lbs.
E73-122	M6JL-0021-IAA-177	R-404A	1/5	115	1	698	872	1,070	AFE08C4E-IAA	5.5	15	3/8" ODF	1/4" ODF	1.3	14.1"	11.5"	11.4"	46
E41-859	M6JL-H023-IAA-177	R-404A	1/4	115	1	739	939	1,170	AFE08C4E-IAA	5.5	15	3/8" ODF	1/4" ODF	1.3	14.1"	11.5"	11.4"	—
E73-127	M6JL-H030-IAA-177	R-404A	1/3	115	1	971	1,240	1,560	AFE11C4E-IAA	5.9	15	3/8" ODF	1/4" ODF	1.3	14.1"	11.5"	11.4"	43
E73-128	M6JL-H030-IAA-179	R-404A	1/3	115	1	971	1,240	1,560	AFE11C4E-IAA	5.9	15	3/8" ODF	1/4" ODF	1.3	14.1"	11.5"	11.4"	43
E41-965	M6ZL-0031-IAA-177	R-404A	1/3	115	1	987	1,270	1,610	AFE11C4E-IAA	6.1	15	3/8" ODF	1/4" ODF	1.3	16.2"	13.4"	11.7"	43
E73-248	M6ZL-0042-IAA-272	R-404A	1/3+	115	1	1,390	1,780	2,240	AFE14C5E-IAA	8.4	15	3/8" ODF	1/4" ODF	1.3	16.5"	12.7"	11.7"	59
E73-250	M6ZL-0042-IAV-177	R-404A	1/3+	208-230	1	1,390	1,780	2,240	AFE14C5E-IAV	4.4	15	3/8" ODF	1/4" ODF	1.3	16.5"	12.7"	11.7"	62
E41-867	M6JL-H048-CAA-272	R-404A	1/2	115	1	1,540	1,940	2,380	AFE17C4E-CAA	10.4	15	3/8" ODF	1/4" ODF	1.3	14.4"	12"	11.4"	1.3
E73-132	M6JL-H048-IAA-177	R-404A	1/2	115	1	1,540	1,940	2,380	AFE17C4E-IAA	10.4	15	3/8" ODF	1/4" ODF	1.3	14.4"	11.6"	11.4"	39
E73-133	M6JL-H048-IAA-272	R-404A	1/2	115	1	1,540	1,940	2,380	AFE17C4E-IAA	10.4	15	3/8" ODF	1/4" ODF	1.3	14.4"	11.6"	11.4"	39
E73-135	M6JL-H052-IAA-177	R-404A	1/2	115	1	1,770	2,240	2,740	AFE20C5E-IAA	8.5	15	3/8" ODF	1/4" ODF	1.3	14.4"	11.5"	11.4"	—
E73-137	M6JL-H052-IAA-272	R-404A	1/2	115	1	1,770	2,240	2,740	AFE20C5E-IAA	8.5	15	3/8" ODF	1/4" ODF	1.3	14.4"	11.5"	11.4"	—
E73-252	M6ZL-0055-IAA-177	R-404A	1/2	115	1	1,840	2,350	2,930	AFE20C5E-IAA	8.8	15	3/8" ODF	1/4" ODF	1.3	16.5"	12.7"	11.7"	60
E73-254	M6ZL-0055-IAA-272	R-404A	1/2	115	1	1,840	2,350	2,930	AFE20C5E-IAA	8.8	15	3/8" ODF	1/4" ODF	1.3	16.5"	12.7"	11.7"	60
E41-870	M6JL-H048-IAV-177	R-404A	1/2	208-230	1	1,540	1,940	2,380	AFE17C4E-IAV	5.6	15	3/8" ODF	1/4" ODF	1.3	14.4"	11.6"	11.4"	—
E73-134	M6JL-H048-IAV-179	R-404A	1/2	208-230	1	1,540	1,940	2,380	AFE17C4E-IAV	5.6	15	3/8" ODF	1/4" ODF	1.3	14.4"	11.6"	11.4"	—
E41-872	M6JL-H052-IAV-177	R-404A	1/2	208-230	1	1,770	2,240	2,740	AFE20C5E-IAV	5.9	15	3/8" ODF	1/4" ODF	1.3	14.4"	11.4"	11.4"	1.3
E73-255	M6ZL-0055-IAV-177	R-404A	1/2	208-230	1	1,840	2,350	2,930	AFE20C5E-IAV	6	15	3/8" ODF	1/4" ODF	1.3	16.5"	12.7"	11.7"	53

Outdoor Medium Temperature Scroll Condensing Units

COPELAND

- All units charged with POE oil and dry nitrogen
- BtuH capacity ratings are based on a 90°F ambient at listed evaporating temperatures
- Includes built-in sound reduction for areas with noise ordinances

Order #	Mfg. #	Refrigerant	HP	Volts	Phase	BtuH Capacity @ 0°F Evap.	BtuH Capacity @ 10°F Evap.	BtuH Capacity @ 20°F Evap.	BtuH Capacity @ 25°F Evap.	BtuH Capacity @ 30°F Evap.	BtuH Capacity @ 40°F Evap.	BtuH Capacity @ 45°F Evap.
E73-046	XFAM-015Z-CFV-081	R-448A/R-449A	1-1/2	208/230	1	6,600	8,290	10,300	11,500	12,900	15,700	17,200
E73-047	XFAM-015Z-TFC-081	R-404A	1-1/2	208/230	3	7,400	9,200	11,300	12,500	14,100	16,900	—
E73-048	XFAM-017Z-CFV-081	R-404A	1-3/4	208/230	1	8,880	11,000	13,500	14,900	16,800	20,000	—
E73-049	XFAM-017Z-TFC-081	R-404A	1-3/4	208/230	3	8,880	11,000	13,500	14,900	16,800	20,000	—
E73-050	XFAM-022Z-CFV-081	R-404A	2-1/4	208/230	1	12,000	14,800	18,100	20,000	22,300	26,400	—
E73-051	XFAM-022Z-TFC-081	R-404A	2-1/4	208/230	3	12,000	14,800	18,100	20,000	22,300	26,400	—
E73-052	XFAM-030Z-CFV-081	R-404A	3	208/230	1	17,600	21,600	26,200	28,800	31,800	37,200	—
E73-053	XFAM-030Z-TFC-081	R-404A	3	208/230	3	17,600	21,600	26,200	28,800	31,800	37,200	—
E73-054	XFAM-045Z-CFV-081	R-404A	4-1/2	208/230	1	24,400	30,000	36,400	40,000	44,500	52,000	—
E73-055	XFAM-045Z-TFC-081	R-404A	4-1/2	208/230	3	24,400	30,000	36,400	40,000	44,500	52,000	—
E73-056	XFAM-050Z-CFV-081	R-404A	5	208/230	1	29,100	35,200	42,100	45,800	51,500	60,500	—

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Order #	Mfg. #	Refrigerant	HP	Volts	Phase	BtuH Capacity @ 0°F Evap.	BtuH Capacity @ 10°F Evap.	BtuH Capacity @ 20°F Evap.	BtuH Capacity @ 25°F Evap.	BtuH Capacity @ 30°F Evap.	BtuH Capacity @ 40°F Evap.	BtuH Capacity @ 45°F Evap.
E73-057	XFAM-050Z-TFC-081	R-404A	5	208/230	3	29,100	35,200	42,100	45,800	51,500	60,500	—
E73-058	XFAM-060Z-TFC-081	R-404A	6	208/230	3	34,500	41,500	49,500	54,000	60,500	70,500	—

Additional Specifications

Order #	Mfg. #	Compressor #	Min. Circuit Amps	Max. Fuse Size	Suction Conn.	Liquid Conn.	Receiver Capacity Lbs.	Length	Width	Height	Wt. Lbs.
E73-046	XFAM-015Z-CFV-081	ZS09KAE	13.55	20	7/8" ODF	1/2" ODF	9.7	16.7	40.5	33.1	180
E73-047	XFAM-015Z-TFC-081	ZS09KAE	11.05	15	7/8" ODF	1/2" ODF	9.1	16.7	40.5	33.1	180
E73-048	XFAM-017Z-CFV-081	ZS11KAE	16.8	25	7/8" ODF	1/2" ODF	9.1	16.7	40.5	33.1	180
E73-049	XFAM-017Z-TFC-081	ZS11KAE	14.05	20	7/8" ODF	1/2" ODF	9.1	16.7	40.5	33.1	180
E73-050	XFAM-022Z-CFV-081	ZS15KAE	20.68	35	7/8" ODF	1/2" ODF	9.1	16.7	40.5	33.1	182
E73-051	XFAM-022Z-TFC-081	ZS15KAE	14.3	20	7/8" ODF	1/2" ODF	9.1	16.7	40.5	33.1	182
E73-052	XFAM-030Z-CFV-081	ZS21KAE	30.05	50	7/8" ODF	1/2" ODF	9.1	16.7	40.5	33.1	194
E73-053	XFAM-030Z-TFC-081	ZS21KAE	20.05	30	7/8" ODF	1/2" ODF	9.1	16.7	40.5	33.1	194
E73-054	XFAM-045Z-CFV-081	ZS33KAE	37.35	60	7/8" ODF	1/2" ODF	13.4	16.7	40.5	48.9	250
E73-055	XFAM-045Z-TFC-081	ZS33KAE	29.98	50	7/8" ODF	1/2" ODF	13.4	16.7	40.5	48.9	250
E73-056	XFAM-050Z-CFV-081	ZS38K4E	41.85	70	7/8" ODF	1/2" ODF	13.4	16.7	40.5	48.9	258
E73-057	XFAM-050Z-TFC-081	ZS38K4E	28.85	45	7/8" ODF	1/2" ODF	13.4	16.7	40.5	48.9	258
E73-058	XFAM-060Z-TFC-081	ZS45K4E	31.98	50	7/8" ODF	1/2" ODF	13.4	16.7	40.5	48.9	270

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Outdoor Low Temperature Scroll Condensing Units

- All units charged with POE oil and dry nitrogen
- BtuH capacity ratings are based on a 90°F ambient at listed evaporating temperatures
- Includes built-in sound reduction for areas with noise ordinances

Order #	Mfg. #	Refrigerant	HP	Volts	Phase	BtuH Capacity @ -40°F Evap.	BtuH Capacity @ -30°F Evap.	BtuH Capacity @ -25°F Evap.	BtuH Capacity @ -20°F Evap.	BtuH Capacity @ -10°F Evap.	BtuH Capacity @ 0°F Evap.
E73-037	XFAL-020Z-CFV-081	R-404A	2	208/230	1	5,700	8,210	9,450	10,690	13,140	15,570
E73-038	XFAL-020Z-TFC-081	R-404A	2	208/230	3	5,700	8,210	9,450	10,690	13,140	15,570
E73-039	XFAL-030Z-TFC-081	R-404A	3	208/230	3	7,840	10,950	12,500	14,060	17,170	20,280
E73-040	XFAL-035Z-CFV-081	R-404A	3-1/2	208/230	1	9,700	12,600	14,200	15,900	19,700	23,900
E73-041	XFAL-040Z-CFV-081	R-404A	4	208/230	1	12,690	16,280	18,240	20,300	24,740	29,610
E73-042	XFAL-040Z-TFC-081	R-404A	4	208/230	3	12,690	16,280	18,240	20,300	24,740	29,610
E73-044	XFAL-050Z-TFC-081	R-404A	5	208/230	3	14,030	18,140	20,350	22,660	27,570	32,880
E73-043	XFAL-051Z-CFV-081	R-404A	5	208/230	1	14,030	18,140	20,350	22,660	27,570	32,880
E73-045	XFAL-060Z-TFC-081	R-404A	6	208/230	3	18,000	23,000	25,700	28,600	34,700	41,500

Additional Specifications

Order #	Mfg. #	Compressor #	Min. Circuit Amps	Max. Fuse Size	Suction Conn.	Liquid Conn.	Receiver Capacity Lbs.	Length	Width	Height	Wt. Lbs.
E73-037	XFAL-020Z-CFV-081	ZXI06KCE	21.55	35	7/8" ODF	1/2" ODF	9.1	16.7	40.5	33.1	246
E73-038	XFAL-020Z-TFC-081	ZXI06KCE	16.18	25	7/8" ODF	1/2" ODF	9.1	16.7	40.5	33.1	246
E73-039	XFAL-030Z-TFC-081	ZXI09KCE	17.18	25	7/8" ODF	1/2" ODF	9.1	16.7	40.5	33.1	246
E73-040	XFAL-035Z-CFV-081	ZXI11KCE	34.05	50	7/8" ODF	1/2" ODF	9.1	16.7	40.5	33.1	272
E73-041	XFAL-040Z-CFV-081	ZXI14KCE	40.1	60	7/8" ODF	1/2" ODF	13.4	16.7	40.5	48.9	274
E73-042	XFAL-040Z-TFC-081	ZXI14KCE	27.1	45	7/8" ODF	1/2" ODF	13.4	16.7	40.5	48.9	312
E73-044	XFAL-050Z-TFC-081	ZXI15KCE	28.85	45	7/8" ODF	1/2" ODF	13.4	16.7	40.5	48.9	323
E73-043	XFAL-051Z-CFV-081	ZXI16KCE	44.73	70	7/8" ODF	1/2" ODF	13.4	16.7	40.5	48.9	343
E73-045	XFAL-060Z-TFC-081	ZXI18KCE	33.98	50	7/8" ODF	1/2" ODF	13.4	16.7	40.5	48.9	341

COPELAND



R134A High Temperature Hermetic Compressors

- Charged with POE oil
- BtuH capacity ratings based on 130°F condensing temperature

Order #	Mfg. #	Volts	Phase	BtuH Capacity @ 45°F Evap.	Suction Conn.	Discharge Conn.	Start Capacitor	Run Capacitor	Relay	Overload
E41-565	ARE13C4E-IAA-901	115	1	1,480	5/16" ODF	1/4" ODF	E02-955	—	E03-174	071-0681-01
E41-566	ARE17C4E-IAA-901	115	1	1,830	5/16" ODF	1/4" ODF	E02-955	—	E03-174	E03-318
E40-095	ARE34C4E-IAA-901	115	1	3,380	5/16" ODF	1/4" ODF	E02-950	—	E03-182	E03-341
E41-254	ARE51C4E-CAA-901	115	1	5,220	5/16" ODF	1/4" ODF	E03-925	E02-924	E03-092	E04-634
E41-255	ARE51C4E-CAA-959	115	1	5,220	3/8" ODF	1/4" ODF	E03-925	E02-924	E03-092	E04-634
E41-366	ARE51C4E-IAV-901	208/230	1	4,940	5/16" ODF	1/4" ODF	E02-958	—	E03-180	E03-326
E41-518	ARE51C4E-IAV-959	208/230	1	4,940	3/8" ODF	1/4" ODF	E02-958	—	E03-180	E03-326

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R134A Commercial Temperature Hermetic Compressors

COPELAND

- Charged with POE oil
- BtuH capacity ratings based on 120°F condensing temperature

Order #	Mfg. #	Volts	Phase	BtuH Capacity @ 20°F Evap.	Suction Conn.	Discharge Conn.	Start Capacitor	Relay	Overload	Height	Wt. Lbs.
E41-252	AFE12C4E-IAA-901	115	1	3,100	5/16" ODF	1/4" ODF	E02-954	940-0163-17	971-0561-47	8.6"	30
E41-253	AFE12C4E-IAA-959	115	1	3,100	3/8" ODF	1/4" ODF	E02-954	940-0163-17	971-0561-47	8.6"	30

R22 Medium Temperature Hermetic Compressors

COPELAND

- Charged with AB oil
- BtuH capacity ratings based on 120°F condensing temperature



Order #	Mfg. #	Volts	Phase	Starting Torque	BtuH Capacity @ 20°F Evap.	Suction Conn.	Discharge Conn.	CCH	Start Capacitor	Run Capacitor	Relay	Overload
E41-476	ASE12C4-IAA-901	115	1	High	1,230	5/16" ODF	1/4" ODF	Yes	E02-904	—	E03-174	E03-318
E41-458	ASE20C4-IAA-901	115	1	High	2,090	5/16" ODF	1/4" ODF	Yes	E02-955	—	E03-177	E03-323
E41-477	ASE20C4-IAA-959	115	1	High	2,090	5/16" ODF	1/4" ODF	Yes	E02-955	—	E03-177	E03-323
E41-459	ASE26C4-IAA-959	115	1	High	2,490	5/16" ODF	1/4" ODF	Yes	E02-950	—	E03-180	E03-322
E41-461	ASE35C4-CAA-959	115	1	High	3,430	5/16" ODF	1/4" ODF	Yes	014-0036-28	E02-923	B15-357	E04-628
E41-478	ASE35C4-IAV-901	208/230	1	High	3,500	5/16" ODF	1/4" ODF	Yes	E02-958	—	E03-180	E03-326
E41-479	ASE35C4-IAV-959	208/230	1	High	3,500	5/16" ODF	1/4" ODF	Yes	E02-958	—	E03-180	E03-326

Multi-Refrigerant Scroll Condensing Units

- Optimized for multiple applications
- All units charged with POE oil and dry nitrogen
- BtuH capacity ratings are based on a 90°F ambient at listed evaporating temperatures
- Electronic unit controller features troubleshooting diagnostics and advanced system protection
- Includes Dual pressure control

Physical and Electrical Data

Order #	Mfg. #	HP	Volts	Phase	Compressor #	Min. Circuit Amps	Max. Fuse Size	Suction Conn.	Liquid Conn.	Accumulator	Length	Width	Height	Wt. Lbs.
E73-739	FFAP-A15Z-CFV-072	1-1/2	208-230	1	ZS09KAE-PFV-118	13.9	20	7/8" ODF	3/8" ODF	No	24.1	18.4	16.6	110
E73-740	FFAP-A15Z-CFV-075	1-1/2	208-230	1	ZS09KAE-PFV-118	13.9	20	7/8" ODF	3/8" ODF	Yes	24.1	19	16.6	139
E73-741	FFAP-A15Z-TFC-072	1-1/2	208-230	3	ZS09KAE-TF5-118	11.4	15	7/8" ODF	3/8" ODF	No	24.1	18.4	16.6	110
E73-742	FFAP-A15Z-TFC-075	1-1/2	208-230	3	ZS09KAE-TF5-118	11.4	15	7/8" ODF	3/8" ODF	Yes	24.1	19	16.6	139
E73-743	FFAP-A15Z-TFD-072	1-1/2	460	3	ZS09KAE-TFD-118	6.4	15	7/8" ODF	3/8" ODF	No	24.1	18.4	16.6	110
E73-744	FFAP-A15Z-TFD-075	1-1/2	460	3	ZS09KAE-TFD-118	6.4	15	7/8" ODF	3/8" ODF	Yes	24.1	19	16.6	113
E73-745	FFAP-A17Z-CFV-072	1-3/4	208-230	1	ZS11KAE-PFV-118	17.2	25	7/8" ODF	3/8" ODF	No	24.1	18.4	16.6	109
E73-746	FFAP-A17Z-CFV-075	1-3/4	208-230	1	ZS11KAE-PFV-118	17.1	25	7/8" ODF	3/8" ODF	Yes	24.1	19	16.6	111
E73-747	FFAP-A17Z-TFC-072	1-3/4	208-230	3	ZS11KAE-TF5-118	14.4	20	7/8" ODF	3/8" ODF	No	24.1	18.4	16.6	109
E73-748	FFAP-A17Z-TFC-075	1-3/4	208-230	3	ZS11KAE-TF5-118	14.4	20	7/8" ODF	3/8" ODF	Yes	24.1	19	16.6	111
E73-749	FFAP-A17Z-TFD-072	1-3/4	460	3	ZS11KAE-TFD-118	7	15	7/8" ODF	3/8" ODF	No	24.1	18.4	16.6	109
E73-750	FFAP-A17Z-TFD-075	1-3/4	460	3	ZS11KAE-TFD-118	7	15	7/8" ODF	3/8" ODF	Yes	24.1	19	16.6	119
E73-751	FFAP-A20Z-CFV-072	2	208-230	1	ZS13KAE-PFV-118	16.8	25	7/8" ODF	3/8" ODF	No	34.1	25	18.9	174
E73-752	FFAP-A20Z-CFV-075	2	208-230	1	ZS13KAE-PFV-118	16.8	25	7/8" ODF	3/8" ODF	Yes	34.1	25	18.9	170
E73-753	FFAP-A20Z-TFC-072	2	208-230	3	ZS13KAE-TF5-118	13.9	20	7/8" ODF	3/8" ODF	No	34.1	25	18.9	174
E73-754	FFAP-A20Z-TFC-075	2	208-230	3	ZS13KAE-TF5-118	13.9	20	7/8" ODF	3/8" ODF	Yes	34.1	25	18.9	174
E73-755	FFAP-A20Z-TFD-072	2	460	3	ZS13KAE-TFD-118	7.1	15	7/8" ODF	3/8" ODF	No	34.1	25	18.9	210
E73-756	FFAP-A20Z-TFD-075	2	460	3	ZS13KAE-TFD-118	7.1	15	7/8" ODF	3/8" ODF	Yes	34.1	25	18.9	210
E73-757	FFAP-A22Z-CFV-072	2-1/4	208-230	1	ZS15KAE-PFV-118	22.4	35	7/8" ODF	3/8" ODF	No	34.1	25.1	19	174
E73-758	FFAP-A22Z-CFV-075	2-1/4	208-230	1	ZS15KAE-PFV-118	7.1	15	7/8" ODF	3/8" ODF	Yes	34.1	25.1	23.1	110
E73-759	FFAP-A22Z-TFC-072	2-1/4	208-230	3	ZS15KAE-TF5-118	16.1	20	7/8" ODF	3/8" ODF	No	34.1	25.1	19	174
E73-760	FFAP-A22Z-TFC-075	2-1/4	208-230	3	ZS15KAE-TF5-118	16.1	20	7/8" ODF	3/8" ODF	Yes	34.1	25.1	23.1	104
E73-761	FFAP-A22Z-TFD-072	2-1/4	460	3	ZS15KAE-TFD-118	17.2	25	7/8" ODF	3/8" ODF	No	34.1	25.1	19	155
E73-762	FFAP-A22Z-TFD-075	2-1/4	460	3	ZS15KAE-TFD-118	10	15	7/8" ODF	3/8" ODF	Yes	34.1	25.1	23.1	155
E73-763	FFAP-A30Z-CFV-072	3	208-230	1	ZS19KAE-PFV-118	25.3	40	7/8" ODF	3/8" ODF	No	34.1	25.1	19	152
E73-764	FFAP-A30Z-CFV-075	3	208-230	1	ZS19KAE-PFV-118	25.3	40	7/8" ODF	3/8" ODF	Yes	34.1	25.1	23.1	110
E73-765	FFAP-A30Z-TFC-072	3	208-230	3	ZS19KAE-TF5-118	19.9	30	7/8" ODF	3/8" ODF	No	34.1	25.1	19	186
E73-766	FFAP-A30Z-TFC-075	3	208-230	3	ZS19KAE-TF5-118	19.9	30	7/8" ODF	3/8" ODF	Yes	34.1	25.1	23.1	110
E73-767	FFAP-A30Z-TFD-072	3	460	3	ZS19KAE-TFD-118	11.3	15	7/8" ODF	3/8" ODF	No	34.1	25.1	19	208
E73-768	FFAP-A30Z-TFD-075	3	460	3	ZS19KAE-TFD-118	11.3	15	7/8" ODF	3/8" ODF	Yes	34.1	25.1	23.1	208
E73-769	FFAP-A32Z-CFV-072	3-1/4	208-230	1	ZS21KAE-PFV-118	31.8	50	1-1/8" ODF	3/8" ODF	No	34.1	25.1	18.9	188
E73-770	FFAP-A32Z-CFV-075	3-1/4	208-230	1	ZS21KAE-PFV-118	31.8	50	1-1/8" ODF	3/8" ODF	Yes	34.1	25.1	23.1	170

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Order #	Mfg. #	HP	Volts	Phase	Compressor #	Min. Circuit Amps	Max. Fuse Size	Suction Conn.	Liquid Conn.	Accumulator	Length	Width	Height	Wt. Lbs.
E73-771	FFAP-A32Z-TFC-072	3-1/4	208-230	3	ZS19KAE-TF5-118	21.8	30	1-1/8" ODF	3/8" ODF	No	34.1	25.1	18.9	188
E73-772	FFAP-A32Z-TFC-075	3-1/4	208-230	3	ZS21KAE-TF5-118	21.8	30	1-1/8" ODF	3/8" ODF	Yes	34.1	25.1	23.1	188
E73-773	FFAP-A32Z-TFD-072	3-1/4	460	3	ZS21KAE-TFD-118	10.4	15	1-1/8" ODF	3/8" ODF	No	34.1	25.1	18.9	174
E73-774	FFAP-A32Z-TFD-075	3-1/4	460	3	ZS21KAE-TFD-118	11.8	15	1-1/8" ODF	3/8" ODF	Yes	34.1	25.1	23.1	174
E73-775	FFAP-A40Z-CFV-072	4	208-230	1	ZS26KAE-PFV-118	33.1	50	1-1/8" ODF	1/2" ODF	No	44.1	28.3	26.6	247
E73-776	FFAP-A40Z-CFV-075	4	208-230	1	ZS26KAE-PFV-118	33.1	50	1-1/8" ODF	1/2" ODF	Yes	44.1	28.2	27.4	247
E73-777	FFAP-A40Z-TFC-072	4	208-230	3	ZS26KAE-TF5-118	23	30	1-1/8" ODF	1/2" ODF	No	44.1	28.3	26.6	247
E73-778	FFAP-A40Z-TFC-075	4	208-230	3	ZS26KAE-TF5-118	23	30	1-1/8" ODF	1/2" ODF	Yes	44.1	28.2	27.4	245
E73-779	FFAP-A40Z-TFD-072	4	460	3	ZS26KAE-TFD-118	11	15	1-1/8" ODF	1/2" ODF	No	44.1	28.3	26.6	305
E73-780	FFAP-A40Z-TFD-075	4	460	3	ZS26KAE-TFD-118	11	15	1-1/8" ODF	1/2" ODF	Yes	44.1	28.2	27.4	305
E73-781	FFAP-A42Z-CFV-072	4-1/4	208-230	1	ZS15KAE-PFV-118	38.9	60	1-1/8" ODF	1/2" ODF	No	44.1	28.3	26.6	255
E73-782	FFAP-A42Z-CFV-075	4-1/4	208-230	1	ZS33KAE-PFV-118	38.9	60	1-1/8" ODF	1/2" ODF	Yes	44.1	28.2	27.4	255
E73-783	FFAP-A42Z-TFC-072	4-1/4	208-230	3	ZS15KAE-TF5-118	31.5	50	1-1/8" ODF	1/2" ODF	No	44.1	28.3	26.6	245
E73-784	FFAP-A42Z-TFC-075	4-1/4	208-230	3	ZS33KAE-TF5-118	11.3	15	1-1/8" ODF	1/2" ODF	Yes	44.1	28.2	27.4	245
E73-785	FFAP-A42Z-TFD-072	4-1/4	460	3	ZS33KAE-TFD-118	14.9	20	1-1/8" ODF	1/2" ODF	No	44.1	28.3	26.6	255
E73-786	FFAP-A42Z-TFD-075	4-1/4	460	3	ZS33KAE-TFD-118	14.9	20	1-1/8" ODF	1/2" ODF	Yes	44.1	28.2	27.4	255

R134a BtuH Ratings at 90° F Ambient and Listed Evaporator Temperature

Order #	Mfg. #	-5°F	0°F	+5°F	+10°F	+15°F	+20°F	+25°F	+30°F
E73-739	FFAP-A15Z-CFV-072	3,680	4,210	4,790	5,410	6,100	6,810	7,570	8,530
E73-740	FFAP-A15Z-CFV-075	3,680	4,210	4,790	5,410	6,100	6,810	7,570	8,530
E73-741	FFAP-A15Z-TFC-072	3,680	4,210	4,790	5,410	6,100	6,810	7,570	8,530
E73-742	FFAP-A15Z-TFC-075	3,680	4,210	4,790	5,410	6,100	6,810	7,570	8,530
E73-743	FFAP-A15Z-TFD-072	3,680	4,210	4,790	5,410	6,100	6,810	7,570	8,530
E73-744	FFAP-A15Z-TFD-075	3,680	4,210	4,790	5,410	6,100	6,810	7,570	8,530
E73-745	FFAP-A17Z-CFV-072	—	5,030	5,720	6,440	7,210	8,030	8,920	10,000
E73-746	FFAP-A17Z-CFV-075	—	5,030	5,720	6,440	7,210	8,030	8,920	10,000
E73-747	FFAP-A17Z-TFC-072	—	5,030	5,720	6,440	7,210	8,030	8,920	10,000
E73-748	FFAP-A17Z-TFC-075	—	5,030	5,720	6,440	7,210	8,030	8,920	10,000
E73-749	FFAP-A17Z-TFD-072	—	5,030	5,720	6,440	7,210	8,030	8,920	10,000
E73-750	FFAP-A17Z-TFD-075	—	5,030	5,720	6,440	7,210	8,030	8,920	10,000
E73-751	FFAP-A20Z-CFV-072	—	5,750	6,530	7,390	8,280	9,230	10,200	11,500
E73-752	FFAP-A20Z-CFV-075	—	5,750	6,530	6,530	8,280	9,230	10,200	11,500
E73-753	FFAP-A20Z-TFC-072	—	5,750	6,530	6,530	8,280	9,230	10,200	11,500
E73-754	FFAP-A20Z-TFC-075	—	5,750	6,530	6,530	8,280	9,230	10,200	11,500
E73-755	FFAP-A20Z-TFD-072	—	5,750	6,530	6,530	8,280	9,230	10,200	11,500
E73-756	FFAP-A20Z-TFD-075	—	5,750	6,530	6,530	8,280	9,230	10,200	11,500
E73-757	FFAP-A22Z-CFV-072	—	6,930	7,870	8,910	10,000	11,300	12,600	14,200
E73-758	FFAP-A22Z-CFV-075	—	6,930	7,870	8,910	10,000	11,300	12,600	14,200
E73-759	FFAP-A22Z-TFC-072	—	6,930	7,870	8,910	10,000	11,300	12,600	14,200
E73-760	FFAP-A22Z-TFC-075	—	6,930	7,870	8,910	10,000	11,300	12,600	14,200
E73-761	FFAP-A22Z-TFD-072	—	6,930	7,870	8,910	10,000	11,300	12,600	14,200
E73-762	FFAP-A22Z-TFD-075	—	6,930	7,870	8,910	10,000	11,300	12,600	14,200
E73-763	FFAP-A30Z-CFV-072	6,840	7,820	8,880	10,000	11,300	12,700	14,100	15,900
E73-764	FFAP-A30Z-CFV-075	6,840	7,820	8,880	10,000	11,300	12,700	14,100	15,900
E73-765	FFAP-A30Z-TFC-072	7,140	8,120	9,190	10,300	11,600	12,900	14,300	16,100
E73-766	FFAP-A30Z-TFC-075	7,140	8,120	9,190	10,300	11,600	12,900	14,300	16,100
E73-767	FFAP-A30Z-TFD-072	7,140	8,120	9,190	10,300	11,600	12,900	14,300	16,100
E73-768	FFAP-A30Z-TFD-075	7,140	8,120	9,190	10,300	11,600	12,900	14,300	16,100
E73-769	FFAP-A32Z-CFV-072	9,190	10,500	11,900	13,400	15,000	16,700	18,600	20,900
E73-770	FFAP-A32Z-CFV-075	9,190	10,500	11,900	13,400	15,000	16,700	18,600	20,900
E73-771	FFAP-A32Z-TFC-072	9,190	10,500	11,900	13,400	15,000	16,700	18,600	20,900
E73-772	FFAP-A32Z-TFC-075	9,190	10,500	11,900	13,400	15,000	16,700	18,600	20,900
E73-773	FFAP-A32Z-TFD-072	9,190	10,500	11,900	13,400	15,000	16,700	18,600	20,900
E73-774	FFAP-A32Z-TFD-075	9,190	10,500	11,900	13,400	15,000	16,700	18,600	20,900
E73-775	FFAP-A40Z-CFV-072	10,200	11,700	13,200	15,000	16,900	18,900	21,100	23,800
E73-776	FFAP-A40Z-CFV-075	10,200	11,700	13,200	15,000	16,900	18,900	21,100	23,800
E73-777	FFAP-A40Z-TFC-072	10,200	11,700	13,200	15,000	16,900	18,900	21,100	23,800
E73-778	FFAP-A40Z-TFC-075	10,200	11,700	13,200	15,000	16,900	18,900	21,100	23,800
E73-779	FFAP-A40Z-TFD-072	10,200	11,700	13,200	15,000	16,900	18,900	21,100	23,800
E73-780	FFAP-A40Z-TFD-075	10,200	11,700	13,200	15,000	16,900	18,900	21,100	23,800
E73-781	FFAP-A42Z-CFV-072	12,700	14,500	16,400	18,600	20,800	23,200	25,800	29,100
E73-782	FFAP-A42Z-CFV-075	12,700	14,500	16,400	18,600	20,800	23,200	25,800	29,100
E73-783	FFAP-A42Z-TFC-072	12,700	14,500	16,400	18,600	20,800	23,200	25,800	29,100
E73-784	FFAP-A42Z-TFC-075	12,700	14,500	16,400	18,600	20,800	23,200	25,800	29,100
E73-785	FFAP-A42Z-TFD-072	12,700	14,500	16,400	18,600	20,800	23,200	25,800	29,100
E73-786	FFAP-A42Z-TFD-075	12,700	14,500	16,400	18,600	20,800	23,200	25,800	29,100

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R404A Medium Temperature Hermetic Compressors

COPELAND

- Charged with POE oil
- BtuH capacity ratings based on 120°F condensing temperature



Order #	Mfg. #	Volts	Phase	Starting Torque	BtuH Capacity @ 20°F Evap.	Suction Conn.	Discharge Conn.	CCH	Start Capacitor	Run Capacitor	Relay	Overload
E41-569	ASE12C4E-IAA-901	115	1	High	1,355	5/16" ODF	1/4" ODF	Yes	E02-955	—	E03-174	E03-318
E41-570	ASE14C4E-IAA-901	115	1	High	1,645	5/16" ODF	1/4" ODF	Yes	E02-955	—	E03-177	971-0561-55
E41-372	ASE20C4E-CAA-901	115	1	High	2,170	5/16" ODF	1/4" ODF	Yes	E02-904	E02-921	E03-092	E03-323
E40-126	ASE20C4E-IAA-901	115	1	High	2,080	5/16" ODF	1/4" ODF	Yes	E02-955	—	E03-177	E03-323
E41-374	ASE26C4E-CAA-901	115	1	High	2,720	5/16" ODF	1/4" ODF	Yes	014-0036-28	E02-922	E04-565	E03-322
E41-375	ASE35C4E-CAA-901	115	1	High	3,600	5/16" ODF	1/4" ODF	Yes	014-0036-28	E02-923	B15-357	E04-628
E41-376	ASE35C4E-IAA-901	115	1	High	3,520	5/16" ODF	1/4" ODF	Yes	E02-950	—	E03-184	E04-628

R404A Commercial Temperature Hermetic Compressors

COPELAND

- Charged with POE oil
- BtuH capacity ratings based on 120°F condensing temperature

Order #	Mfg. #	Volts	Phase	BtuH Capacity @ 20°F Evap.	Suction Conn.	Discharge Conn.	Start Capacitor	Relay	Overload	Height	Wt. Lbs.
E40-142	AFE08C4E-IAA-901	115	1	1,390	5/16" ODF	1/4" ODF	E02-947	E03-146	E03-318	7.8"	23
E41-684	AFE11C4E-IAA-901	115	1	—	—	—	—	—	—	—	—
E40-147	AFE17C4E-IAA-901	115	1	3,390	5/16" ODF	1/4" ODF	E02-950	E03-184	E03-340	8.6"	26
E41-513	AFE17C4E-IAV-901	208/230	1	3,230	5/16" ODF	1/4" ODF	E02-956	E03-167	971-0561-62	8.6"	26

R404A Commercial Temperature Hermetic Compressors

COPELAND

- Charged with POE oil
- BtuH capacity ratings based on 120°F condensing temperature



Order #	Mfg. #	Volts	Phase	Starting Torque	BtuH Capacity @ 20°F Evap.	Suction Conn.	Discharge Conn.	CCH	Start Capacitor	Run Capacitor	Relay	Overload
E41-447	RST10K1E-PFV-901	208/230	1	Normal	9,950	1/2" ODF	3/8" ODF	Yes	E02-905	E02-923	E03-085	Internal
E72-881	RST10K1E-TA5-901	200/230	3	3-Phase	9,530	1/2" ODF	3/8" ODF	Yes	—	—	—	971-0604-17
E40-192	RST40C1E-CAA-901	115	1	High	3,660	3/8" ODF	1/4" ODF	Yes	E02-908	E02-924	E03-141	E03-340
E40-195	RST40C1E-CAV-901	208/230	1	High	3,800	3/8" ODF	1/4" ODF	Yes	B15-354	E04-432	E03-089	E03-318
E40-193	RST40C1E-IAA-901	115	1	High	3,510	3/8" ODF	1/4" ODF	Yes	914-0053-43	—	940-0163-16	971-0561-56
E40-197	RST40C1E-IAV-901	208/230	1	High	3,600	3/8" ODF	1/4" ODF	Yes	E02-959	—	E03-146	E04-633
E40-203	RST45C1E-CAA-901	115	1	High	4,250	3/8" ODF	1/4" ODF	Yes	E02-908	E02-924	E03-092	E04-205
E41-448	RST45C1E-CAA-959	115	1	High	4,250	1" ROT	1/4" ODF	Yes	E02-908	E02-924	E03-092	E04-205
E40-207	RST45C1E-CAV-901	208/230	1	High	4,240	3/8" ODF	1/4" ODF	Yes	E02-895	E02-920	E03-097	E03-326
E40-204	RST45C1E-IAA-901	115	1	High	4,140	3/8" ODF	1/4" ODF	Yes	E02-908	—	E03-155	E04-204
E40-205	RST45C1E-IAA-959	115	1	High	4,140	1" ROT	1/4" ODF	Yes	E02-908	—	E03-155	E04-204
E40-209	RST45C1E-IAV-901	208/230	1	High	4,320	3/8" ODF	1/4" ODF	Yes	E02-956	—	E04-215	E03-320
E41-450	RST45C1E-IAV-959	208/230	1	High	4,320	1" ROT	1/4" ODF	Yes	E02-956	—	E04-215	E03-320
E40-215	RST55C1E-CAV-901	208/230	1	High	5,310	3/8" ODF	1/4" ODF	Yes	B15-354	E02-920	E03-097	E03-316
E40-216	RST55C1E-CAV-959	208/230	1	High	5,310	1" ROT	1/4" ODF	Yes	E02-908	E02-924	E03-092	E03-316
E40-218	RST55C1E-IAV-901	208/230	1	High	5,170	3/8" ODF	1/4" ODF	Yes	E02-959	—	940-0163-17	971-0561-72
E41-452	RST61C1E-CAV-901	208/230	1	High	6,140	3/8" ODF	1/4" ODF	Yes	E02-895	E04-432	E03-084	Internal
E40-229	RST64C1E-CAV-901	208/230	1	High	6,870	3/8" ODF	1/4" ODF	Yes	E02-895	E02-921	E03-100	E04-205
E40-230	RST64C1E-CAV-959	208/230	1	High	6,870	1" ROT	1/4" ODF	Yes	E02-895	E02-921	E03-100	E04-205
E40-223	RST64C1E-CFA-901	115	1	High	6,680	3/8" ODF	1/4" ODF	Yes	E03-925	E02-925	B15-357	Internal
E40-224	RST64C1E-CFA-959	115	1	High	6,680	1" ROT	1/4" ODF	Yes	E03-925	E02-925	B15-357	Internal
E40-231	RST64C1E-IAV-901	208/230	1	High	6,680	3/8" ODF	1/4" ODF	Yes	B15-354	—	E03-150	E04-206
E40-232	RST64C1E-IAV-959	208/230	1	High	6,680	1" ROT	1/4" ODF	Yes	B15-354	—	E03-150	E04-206
E72-251	RST70C1E-PFV-901	208/230	1	Normal	7,150	1/2" ODF	3/8" ODF	Yes	E02-905	E02-922	E03-097	Internal
E41-469	RST70C1E-PFV-959	208/230	1	Normal	7,150	1/2" ODF	3/8" ODF	Yes	E02-905	E02-922	E03-097	Internal
E72-252	RST70C1E-TA5-901	200/230	3	3-Phase	6,980	1/2" ODF	3/8" ODF	Yes	—	—	—	E04-637
E72-253	RST80C1E-PFA-901	115	1	Normal	8,210	1/2" ODF	3/8" ODF	Yes	E04-566	E04-567	E04-599	Internal
E72-254	RST80C1E-PFV-901	208/230	1	Normal	8,250	1/2" ODF	3/8" ODF	Yes	E02-905	E02-923	E03-097	Internal
E41-472	RST80C1E-PFV-959	208/230	1	Normal	8,250	1/2" ODF	3/8" ODF	Yes	E02-905	E02-923	E03-097	Internal
E72-883	RST80C1E-TA5-901	200/230	3	3-Phase	8,170	1/2" ODF	3/8" ODF	Yes	—	—	—	E04-637

continued on next page

Order #	Mfg. #	Volts	Phase	Starting Torque	BtuH Capacity @ 20°F Evap.	Suction Conn.	Discharge Conn.	CCH	Start Capacitor	Run Capacitor	Relay	Overload
E72-256	RST97C1E-PFV-901	208/230	1	Normal	9,460	1/2" ODF	3/8" ODF	Yes	E02-905	E02-923	E03-097	Internal
E41-473	RST97C1E-PFV-959	208/230	1	Normal	9,460	1/2" ODF	3/8" ODF	Yes	E02-905	E02-923	E03-097	Internal
E72-884	RST97C1E-TA5-901	200/230	3	3-Phase	9,050	1/2" ODF	3/8" ODF	Yes	—	—	—	E04-637
E41-474	RST97C1E-TA5-959	200/230	3	3-Phase	9,050	1/2" ODF	3/8" ODF	Yes	—	—	—	E04-637

COPELAND



R404A Commercial Temperature Hermetic Compressors

- Charged with POE oil
- BtuH capacity ratings based on 120°F condensing temperature

Order #	Mfg. #	Volts	Phase	Starting Torque	BtuH Capacity @ 20°F Evap.	Suction Conn.	Discharge Conn.	CCH	Start Capacitor	Run Capacitor	Relay	Overload
E70-041	CS10K6E-PFV-945	208/230	1	Normal	10,100	3/4" ODF	1/2" ODF	Yes	E02-880	E02-917	E03-090	Internal
E70-042	CS10K6E-TF5-945	200/230	3	3-Phase	9,940	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E41-377	CS10K6E-TFD-945	460	3	3-Phase	9,940	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-043	CS12K6E-PFV-945	208/230	1	Normal	12,000	3/4" ODF	1/2" ODF	Yes	E02-880	E02-917	E03-090	Internal
E70-044	CS12K6E-TF5-945	200/230	3	3-Phase	11,800	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-045	CS14K6E-PFV-945	208/230	1	Normal	14,100	3/4" ODF	1/2" ODF	Yes	E02-904	E02-918	E03-086	Internal
E70-046	CS14K6E-TF5-945	200/230	3	3-Phase	13,900	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-047	CS14K6E-TFD-945	460	3	3-Phase	13,900	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-048	CS18K6E-PFV-945	208/230	1	Normal	18,100	3/4" ODF	1/2" ODF	Yes	E02-904	E02-918	E03-086	Internal
E70-049	CS18K6E-TF5-945	200/230	3	3-Phase	17,800	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-050	CS18K6E-TFD-945	460	3	3-Phase	17,800	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-051	CS20K6E-PFV-945	208/230	1	Normal	20,000	3/4" ODF	1/2" ODF	Yes	E02-871	E02-919	E03-086	Internal
E70-052	CS20K6E-TF5-945	200/230	3	3-Phase	19,800	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-053	CS20K6E-TFD-945	460	3	3-Phase	19,800	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-055	CS27K6E-PFV-945	208/230	1	Normal	27,600	3/4" ODF	1/2" ODF	Yes	E02-871	E02-925	E03-094	Internal
E70-056	CS27K6E-TF5-945	200/230	3	3-Phase	26,800	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-057	CS27K6E-TFD-945	460	3	3-Phase	26,800	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-058	CS33K6E-PFV-956	208/230	1	Normal	31,700	7/8" ODF	1/2" ODF	Yes	B15-355	E02-928	E03-097	Internal
E70-059	CS33K6E-TF5-956	200/230	3	3-Phase	30,800	7/8" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-060	CS33K6E-TFD-956	460	3	3-Phase	30,800	7/8" ODF	1/2" ODF	Yes	—	—	—	Internal

COPELAND



R404A Low Temperature Hermetic Compressors

- Charged with POE oil
- BtuH capacity ratings based on 120°F condensing temperature

Order #	Mfg. #	Volts	Phase	BtuH Capacity @ -10°F Evap.	Suction Conn.	Discharge Conn.	CCH	Start Capacitor	Run Capacitor	Relay	Overload
E70-061	CF04K6E-PFV-945	208/230	1	3,680	3/4" ODF	1/2" ODF	Yes	E02-880	E02-917	E03-086	Internal
E70-062	CF04K6E-TF5-945	200/230	3	3,660	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-064	CF06K6E-PFV-945	208/230	1	6,690	3/4" ODF	1/2" ODF	Yes	E02-880	E02-917	E03-086	Internal
E70-065	CF06K6E-TF5-945	200/230	3	6,320	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-066	CF06K6E-TFD-945	460	3	6,320	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-067	CF09K6E-PFV-945	208/230	1	9,800	3/4" ODF	1/2" ODF	Yes	E02-904	E02-919	E03-086	Internal
E70-068	CF09K6E-TF5-945	200/230	3	9,620	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-069	CF09K6E-TFD-945	460	3	9,620	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-070	CF12K6E-PFV-945	208/230	1	12,700	3/4" ODF	1/2" ODF	Yes	E02-871	E02-925	E03-090	Internal
E70-071	CF12K6E-TF5-945	200/230	3	12,500	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-072	CF12K6E-TFD-945	460	3	12,500	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal

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R404A Medium Temperature Scroll Compressors

- Charged with POE oil
- BtuH capacity ratings based on 120°F condensing temperature
- Smaller compressors also available in Rotolock BOM



Order #	Mfg. #	HP	Volts	Phase	BtuH Capacity @ 20°F Evap.	BtuH Capacity @ 45°F Evap.	Suction Conn.	Discharge Conn.	CCH	Start Capacitor	Run Capacitor	Relay	Overload
E70-461	ZB15KCE-PFV-930	2	208/230	1	14,900	21,300	3/4" ODF	1/2" ODF	Yes	B15-354	E02-919	B15-357	Internal
E70-463	ZB15KCE-TF5-930	2	200/230	3	14,600	21,100	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-465	ZB15KCE-TFD-930	2	460	3	14,600	21,100	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-467	ZB19KCE-PFV-930	2-1/2	208/230	1	18,600	26,700	3/4" ODF	1/2" ODF	Yes	B15-354	E02-936	B15-357	Internal
E70-469	ZB19KCE-TF5-930	2-1/2	200/230	3	18,400	26,400	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-471	ZB19KCE-TFD-930	2-1/2	460	3	18,400	26,400	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-473	ZB21KCE-PFV-930	3	208/230	1	22,200	31,900	3/4" ODF	1/2" ODF	Yes	B15-354	E02-940	B15-357	Internal
E70-475	ZB21KCE-TF5-930	3	200/230	3	22,100	31,800	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-477	ZB21KCE-TFD-930	3	460	3	22,100	31,800	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-479	ZB26KCE-PFV-930	3-1/2	208/230	1	26,000	37,200	3/4" ODF	1/2" ODF	Yes	B15-354	E02-937	B15-357	Internal
E70-481	ZB26KCE-TF5-930	3-1/2	200/230	3	25,800	37,000	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-483	ZB26KCE-TFD-930	3-1/2	460	3	25,800	37,000	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-485	ZB30KCE-PFV-950	4	208/230	1	29,600	42,700	7/8" ODF	1/2" ODF	Yes	B15-355	E02-937	B15-357	Internal
E70-487	ZB30KCE-TF5-950	4	200/230	3	29,600	42,500	7/8" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-489	ZB30KCE-TFD-950	4	460	3	29,600	42,500	7/8" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-491	ZB38KCE-PFV-950	5	208/230	1	36,700	53,500	7/8" ODF	1/2" ODF	Yes	B15-355	E02-938	B15-357	Internal
E70-493	ZB38KCE-TF5-950	5	200/230	3	37,000	53,000	7/8" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-495	ZB38KCE-TFD-950	5	460	3	37,000	53,000	7/8" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-497	ZB42KCE-PFV-950	5-1/2	208/230	1	42,200	60,500	7/8" ODF	1/2" ODF	Yes	B15-355	E02-927	E03-098	Internal
E70-499	ZB45KCE-TF5-950	6	200/230	3	43,900	63,000	7/8" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-500	ZB45KCE-TF5-965	6	200/230	3	43,900	63,000	1-1/4" ROT	1" ROT	Yes	—	—	—	Internal
E70-501	ZB45KCE-TFD-950	6	460	3	43,900	63,000	7/8" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-502	ZB45KCE-TFD-965	6	460	3	43,900	63,000	1-1/4" ROT	1" ROT	Yes	—	—	—	Internal
E70-503	ZB50KCE-TF5-950	7	200/230	3	52,200	76,000	1-1/8" ODF	7/8" ODF	Yes	—	—	—	Internal
E70-504	ZB50KCE-TFD-950	7	460	3	52,200	76,000	1-1/8" ODF	7/8" ODF	Yes	—	—	—	Internal
E70-505	ZB58KCE-TF5-950	8	200/230	3	57,700	83,700	1-1/8" ODF	7/8" ODF	Yes	—	—	—	Internal
E70-506	ZB58KCE-TFD-950	8	460	3	57,700	83,700	1-1/8" ODF	7/8" ODF	Yes	—	—	—	Internal
E70-507	ZB66KCE-TF5-950	9	200/230	3	65,000	92,500	1-3/8" ODF	7/8" ODF	Yes	—	—	—	Internal
E70-508	ZB66KCE-TFD-950	9	460	3	65,000	92,500	1-3/8" ODF	7/8" ODF	Yes	—	—	—	Internal
E70-509	ZB76KCE-TF5-950	10	200/230	3	78,200	112,000	1-3/8" ODF	7/8" ODF	Yes	—	—	—	Internal
E70-510	ZB76KCE-TFD-950	10	460	3	78,200	112,000	1-3/8" ODF	7/8" ODF	Yes	—	—	—	Internal

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FRIEDRICH



COPELAND



R404A Low Temperature Scroll Compressors

- Charged with POE oil
- BtuH capacity ratings based on 125°F condensing temperature
- Smaller compressors also available in -961 Rotolock version

Order #	Mfg. #	HP	Volts	Phase	Starting Torque	BtuH Capacity @ -10°F Evap.	Suction Conn.	Discharge Conn.	CCH	Start Capacitor	Run Capacitor	Relay	Overload
E70-526	ZF06K4E-PFV-931	2	208/230	1	Normal	7,870	3/4" ODF	1/2" ODF	Yes	B15-354	E02-919	B15-357	Internal
E70-528	ZF06K4E-TF5-931	2	200/230	3	3-Phase	7,730	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-530	ZF06K4E-TFD-931	2	460	3	3-Phase	7,730	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-532	ZF08K4E-PFV-931	2-1/2	208/230	1	Normal	9,860	3/4" ODF	1/2" ODF	Yes	B15-354	E02-936	B15-357	Internal
E70-534	ZF08K4E-TF5-931	2-1/2	200/230	3	3-Phase	9,670	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-536	ZF08K4E-TFD-931	2-1/2	460	3	3-Phase	9,670	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-538	ZF09K4E-PFV-931	3	208/230	1	Normal	10,900	3/4" ODF	1/2" ODF	Yes	B15-354	E02-940	B15-357	Internal
E70-540	ZF09K4E-TF5-931	3	200/230	3	3-Phase	10,700	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-542	ZF09K4E-TFD-931	3	460	3	3-Phase	10,700	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-544	ZF11K4E-PFV-931	3-1/2	208/230	1	Normal	13,600	3/4" ODF	1/2" ODF	Yes	B15-354	E02-937	B15-357	Internal
E70-545	ZF11K4E-PFV-961	3-1/2	208/230	1	Normal	13,600	1-1/4" ROT	1" ROT	Yes	B15-354	E02-937	B15-357	Internal
E70-546	ZF11K4E-TF5-931	3-1/2	200/230	3	3-Phase	13,400	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-547	ZF11K4E-TF5-961	3-1/2	200/230	3	3-Phase	13,400	1-1/4" ROT	1" ROT	Yes	—	—	—	Internal
E70-548	ZF11K4E-TFD-931	3-1/2	460	3	3-Phase	13,400	3/4" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-549	ZF11K4E-TFD-961	3-1/2	460	3	3-Phase	13,400	1-1/4" ROT	1" ROT	Yes	—	—	—	Internal
E70-550	ZF13K4E-PFV-931	4	208/230	1	Normal	15,600	7/8" ODF	1/2" ODF	Yes	B15-355	E02-937	B15-357	Internal
E70-551	ZF13K4E-PFV-961	4	208/230	1	Normal	15,600	1-1/4" ROT	1" ROT	Yes	B15-355	E02-937	B15-357	Internal
E70-552	ZF13K4E-TF5-931	4	200/230	3	3-Phase	15,100	7/8" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-553	ZF13K4E-TF5-961	4	200/230	3	3-Phase	15,100	1-1/4" ROT	1" ROT	Yes	—	—	—	Internal
E70-554	ZF13K4E-TFD-931	4	460	3	3-Phase	15,100	7/8" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-555	ZF13K4E-TFD-961	4	460	3	3-Phase	15,100	1-1/4" ROT	1" ROT	Yes	—	—	—	Internal
E70-556	ZF13KVE-TF5-961	4	200/230	3	3-Phase	25,400	1-1/4" ROT	1" ROT	Yes	—	—	—	Internal
E70-557	ZF13KVE-TFD-961	4	460	3	3-Phase	25,400	1-1/4" ROT	1" ROT	Yes	—	—	—	Internal
E70-558	ZF15K4E-PFV-931	5	208/230	1	Normal	19,100	7/8" ODF	1/2" ODF	Yes	B15-355	E02-938	B15-357	Internal
E70-559	ZF15K4E-PFV-961	5	208/230	1	Normal	19,100	1-1/4" ROT	1" ROT	Yes	B15-355	E02-938	B15-357	Internal
E70-560	ZF15K4E-TF5-931	5	200/230	3	3-Phase	18,700	7/8" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-561	ZF15K4E-TF5-961	5	200/230	3	3-Phase	18,700	1-1/4" ROT	1" ROT	Yes	—	—	—	Internal
E70-562	ZF15K4E-TFD-931	5	460	3	3-Phase	18,700	7/8" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-563	ZF15K4E-TFD-961	5	460	3	3-Phase	18,700	1-1/4" ROT	1" ROT	Yes	—	—	—	Internal
E70-564	ZF18K4E-TF5-931	6	200/230	3	3-Phase	22,800	7/8" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-565	ZF18K4E-TF5-961	6	200/230	3	3-Phase	22,800	1-1/4" ROT	1" ROT	Yes	—	—	—	Internal
E70-566	ZF18K4E-TFD-931	6	460	3	3-Phase	22,800	7/8" ODF	1/2" ODF	Yes	—	—	—	Internal
E70-567	ZF18K4E-TFD-961	6	460	3	3-Phase	22,800	1-1/4" ROT	1" ROT	Yes	—	—	—	Internal
E70-568	ZF18KVE-TF5-961	6	200/230	3	3-Phase	37,200	1-1/4" ROT	1" ROT	Yes	—	—	—	Internal
E70-569	ZF18KVE-TFD-961	6	460	3	3-Phase	37,200	1-1/4" ROT	1" ROT	Yes	—	—	—	Internal
E70-570	ZF24K4E-TWC-951	7-1/2	208/230	3	3-Phase	27,700	1-3/4" ROT	1-1/4" ROT	Yes	—	—	—	E03-311
E70-571	ZF24K4E-TWD-951	7-1/2	460	3	3-Phase	27,700	1-3/4" ROT	1-1/4" ROT	Yes	—	—	—	E03-311
E70-572	ZF24KVE-TWC-951	7-1/2	208/230	3	3-Phase	44,600	1-3/4" ROT	1-1/4" ROT	Yes	—	—	—	E03-311
E70-573	ZF24KVE-TWD-951	7-1/2	460	3	3-Phase	44,600	1-3/4" ROT	1-1/4" ROT	Yes	—	—	—	E03-311
E70-574	ZF33K4E-TWC-951	10	208/230	3	3-Phase	38,700	1-3/4" ROT	1-1/4" ROT	Yes	—	—	—	E03-311
E70-575	ZF33K4E-TWD-951	10	460	3	3-Phase	38,700	1-3/4" ROT	1-1/4" ROT	Yes	—	—	—	E03-311
E70-576	ZF33KVE-TWC-951	10	208/230	3	3-Phase	61,500	1-3/4" ROT	1-1/4" ROT	Yes	—	—	—	E03-311
E70-577	ZF33KVE-TWD-951	10	460	3	3-Phase	61,500	1-3/4" ROT	1-1/4" ROT	Yes	—	—	—	E03-311
E72-906	ZF34K5E-TFC-960	10	208/230	3	3-Phase	63,000	1-3/4" ROT	1-1/4" ROT	Yes	—	—	—	Internal
E72-907	ZF34K5E-TFD-960	10	460	3	3-Phase	63,000	1-3/4" ROT	1-1/4" ROT	Yes	—	—	—	Internal
E70-578	ZF40K4E-TWC-951	13	208/230	3	3-Phase	48,200	1-3/4" ROT	1-1/4" ROT	Yes	—	—	—	E03-311
E70-579	ZF40K4E-TWD-951	13	460	3	3-Phase	48,200	1-3/4" ROT	1-1/4" ROT	Yes	—	—	—	E03-311
E70-580	ZF40KVE-TWC-951	13	208/230	3	3-Phase	81,000	1-3/4" ROT	1-1/4" ROT	Yes	—	—	—	E03-311
E70-581	ZF40KVE-TWD-951	13	460	3	3-Phase	81,000	1-3/4" ROT	1-1/4" ROT	Yes	—	—	—	E03-311
E72-910	ZF41K5E-TFC-960	13	208/230	3	3-Phase	78,500	1-3/4" ROT	1-1/4" ROT	Yes	—	—	—	Internal
E72-911	ZF41K5E-TFD-960	13	460	3	3-Phase	78,500	1-3/4" ROT	1-1/4" ROT	Yes	—	—	—	Internal
E70-582	ZF48K4E-TWC-951	15	208/230	3	3-Phase	58,500	2-1/4" ROT	1-3/4" ROT	Yes	—	—	—	E03-311
E70-583	ZF48K4E-TWD-951	15	460	3	3-Phase	58,500	2-1/4" ROT	1-3/4" ROT	Yes	—	—	—	E03-311
E70-584	ZF48KVE-TWC-951	15	208/230	3	3-Phase	95,000	2-1/4" ROT	1-3/4" ROT	Yes	—	—	—	E03-311
E70-585	ZF48KVE-TWD-951	15	460	3	3-Phase	95,000	2-1/4" ROT	1-3/4" ROT	Yes	—	—	—	E03-311
E72-914	ZF49K5E-TFD-960	15	460	3	3-Phase	88,500	1-3/4" ROT	1-1/4" ROT	Yes	—	—	—	Internal
E72-917	ZF54K5E-TFD-960	15	460	3	3-Phase	102,000	1-3/4" ROT	1-1/4" ROT	Yes	—	—	—	Internal

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R22/R407C Copelaweld® Hermetic Compressors with POE Oil

COPELAND

- 1 through 5 ton models available
- Precharged with POE oil
- Use internal line break overloads for motor protection
- BtuH ratings are based on 45°F evaporating temperature, 130°F condensing temperature, 65°F return gas temperature and 95°F liquid temperature
- 7-1/2" x 7-1/2" square mounting
- Mounting hardware included

Order #	Mfg. #	Tons	Volts	Phase	BtuH Capacity @ 45°F Evap.	Suction Conn.	Discharge Conn.	Start Capacitor	Run Capacitor	Relay	Conn.
B75-004	CR47KQE-PFV-970	4	208/230	1	47,500	7/8" ODF	1/2" ODF	G22-839	G36-308	B13-550	Terminal Block
B75-005	CR47KQE-TF5-970	4	200/230	3	47,200	7/8" ODF	1/2" ODF	—	—	—	Terminal Block
B75-006	CR47KQE-TFD-970	4	460	3	47,200	7/8" ODF	1/2" ODF	—	—	—	Terminal Block
B75-007	CR53KQE-PFV-970	4-1/2	208/230	1	53,700	7/8" ODF	1/2" ODF	G22-839	G36-311	B13-550	Terminal Block
B75-008	CR53KQE-TF5-970	4-1/2	200/230	3	53,700	7/8" ODF	1/2" ODF	—	—	—	Terminal Block
B75-182	CRPQ-045E-PFV-970	4-1/2	208/230	1	57,000	7/8" ODF	1/2" ODF	G22-848	G36-308	B13-474	Terminal Block
B75-183	CRPQ-045E-TF5-970	4-1/2	200/230	3	57,000	7/8" ODF	1/2" ODF	—	—	—	Terminal Block
B75-184	CRPQ-045E-TFD-970	4-1/2	460	3	57,000	7/8" ODF	1/2" ODF	—	—	—	Terminal Block
B75-009	CR53KQE-TFD-970	4-1/2	460	3	53,700	7/8" ODF	1/2" ODF	—	—	—	Terminal Block
B75-010	CRNQ-050E-PFV-970	5	208/230	1	60,600	7/8" ODF	1/2" ODF	G21-944	G36-310	B13-474	Terminal Block
B75-011	CRNQ-050E-TF5-970	5	200/230	3	61,300	7/8" ODF	1/2" ODF	—	—	—	Terminal Block
B75-012	CRNQ-050E-TFD-970	5	460	3	61,300	7/8" ODF	1/2" ODF	—	—	—	Terminal Block

R22/R407C Scroll Compressors with POE Oil

COPELAND

- 1-1/2 through 25 ton models available
- Precharged with POE oil
- BtuH ratings are based on 45°F evaporating temperature, 130°F condensing temperature, 65°F return gas temperature and 95°F liquid temperature
- Mounting hardware included
- BOM 800 features molded plug connection
- **B15-358** molded plug purchased separately



Order #	Mfg. #	Tons	Volts	Phase	BtuH Capacity @ 45°F Evap.	Suction Conn.	Discharge Conn.	Run Capacitor	Conn.
B75-013	ZR16K5E-PFV-800	1-1/4	208/230	1	15,500	3/4" ODF	1/2" ODF	G21-917	Molded Plug
B75-014	ZR18K5E-PFV-800	1-1/2	208/230	1	18,000	3/4" ODF	1/2" ODF	G21-917	Molded Plug
B75-016	ZR21K5E-TF5-800	1-3/4	200/230	3	21,000	3/4" ODF	1/2" ODF	—	Molded Plug
B75-015	ZR21K5E-PFV-800	1-3/4	208/230	1	21,000	3/4" ODF	1/2" ODF	G21-921	Molded Plug
B75-017	ZR21K5E-TFD-800	1-3/4	460	3	21,000	3/4" ODF	1/2" ODF	—	Molded Plug
B75-018	ZR25K5E-PFV-800	2	208/230	1	25,300	3/4" ODF	1/2" ODF	G21-924	Molded Plug
B75-019	ZR25K5E-TF5-800	2	208/230	3	25,300	3/4" ODF	1/2" ODF	—	Molded Plug
B75-020	ZR25K5E-TFD-800	2	460	3	25,300	3/4" ODF	1/2" ODF	—	Molded Plug
B75-021	ZR28K5E-PFV-800	2-1/2	208/230	1	28,400	3/4" ODF	1/2" ODF	G21-927	Molded Plug
B75-022	ZR28K5E-TF5-800	2-1/2	208/230	3	28,400	3/4" ODF	1/2" ODF	—	Molded Plug
B75-023	ZR28K5E-TFD-800	2-1/2	460	3	28,400	3/4" ODF	1/2" ODF	—	Molded Plug
B75-024	ZR32K5E-PFV-800	2-3/4	208/230	1	32,600	3/4" ODF	1/2" ODF	G22-816	Molded Plug
B75-025	ZR32K5E-TF5-800	2-3/4	208/230	3	32,600	3/4" ODF	1/2" ODF	—	Molded Plug
B75-026	ZR32K5E-TFD-800	2-3/4	460	3	32,600	3/4" ODF	1/2" ODF	—	Molded Plug
B75-027	ZR38K5E-PFV-800	3	208/230	1	38,000	7/8" ODF	1/2" ODF	G32-143	Molded Plug
B75-028	ZR38K5E-TF5-800	3	208/230	3	38,000	7/8" ODF	1/2" ODF	—	Molded Plug
B75-029	ZR38K5E-TFD-800	3	460	3	38,000	7/8" ODF	1/2" ODF	—	Molded Plug
B75-030	ZR42K5E-PFV-800	3-1/2	208/230	1	42,200	7/8" ODF	1/2" ODF	G32-143	Molded Plug
B78-527	ZR44K5E-PFV-800	3-1/2	208/230	1	44,000	7/8" ODF	1/2" ODF	—	Molded Plug
B75-031	ZR42K5E-TF5-800	3-1/2	208/230	3	42,200	7/8" ODF	1/2" ODF	—	Molded Plug
B75-032	ZR42K5E-TFD-800	3-1/2	460	3	42,200	7/8" ODF	1/2" ODF	—	Molded Plug
B75-033	ZR48K5E-PFV-800	4	208/230	1	48,200	7/8" ODF	1/2" ODF	G36-277	Molded Plug
B75-034	ZR48K5E-TF5-800	4	208/230	3	48,200	7/8" ODF	1/2" ODF	—	Molded Plug
B75-035	ZR48K5E-TFD-800	4	460	3	48,200	7/8" ODF	1/2" ODF	—	Molded Plug
B75-036	ZR54K5E-PFV-800	4-1/2	208/230	1	53,500	7/8" ODF	1/2" ODF	G33-072	Molded Plug
B75-037	ZR54K5E-TF5-800	4-1/2	208/230	3	53,500	7/8" ODF	1/2" ODF	—	Molded Plug
B75-038	ZR54K5E-TFD-800	4-1/2	460	3	53,500	7/8" ODF	1/2" ODF	—	Molded Plug
B78-528	ZR57K3E-TF5-930	4-3/4	200/230	3	58,500	7/8" ODF	1/2" ODF	—	Quick Connect
B75-185	ZR57K3E-PFV-930	4-3/4	208/230	1	55,500	7/8" ODF	1/2" ODF	G32-467	Terminal Block
B75-040	ZR57KCE-TFD-950	4-3/4	460	3	57,200	7/8" ODF	1/2" ODF	—	Terminal Block
B78-529	ZR57K3E-TFD-930	4-3/4	460	3	58,500	7/8" ODF	1/2" ODF	—	Quick Connect
B75-042	ZR61KCE-TF5-930	5	200/230	3	61,000	7/8" ODF	1/2" ODF	—	Terminal Block
B78-531	ZR61K3E-TF5-930	5	200/230	3	62,000	7/8" ODF	1/2" ODF	—	Quick Connect
B75-041	ZR61KCE-PFV-930	5	208/230	1	61,200	7/8" ODF	1/2" ODF	G32-162	Terminal Block
B78-530	ZR61K3E-PFV-930	5	208/230	1	62,000	7/8" ODF	1/2" ODF	—	Quick Connect
B75-044	ZR61KCE-TFD-950	5	460	3	61,000	7/8" ODF	1/2" ODF	—	Terminal Block

continued on next page

Order #	Mfg. #	Tons	Volts	Phase	BtuH Capacity @ 45°F Evap.	Suction Conn.	Discharge Conn.	Run Capacitor	Conn.
B75-045	ZR61KCE-TFD-960	5	460	3	61,000	1-1/4" ROT	1" ROT	—	Terminal Block
B78-532	ZR61K3E-TFD-930	5	460	3	62,000	7/8" ODF	1/2" ODF	—	Quick Connect
B78-533	ZR61K3E-TFD-950	5	460	3	62,000	7/8" ODF	1/2" ODF	—	Terminal Block
B78-534	ZR61K3E-TFD-965	5	460	3	62,000	1-1/4" ROT	1" ROT	—	Terminal Block
B75-046	ZR68KCE-TF5-930	5-1/2	200/230	3	68,500	7/8" ODF	1/2" ODF	—	Terminal Block
B78-535	ZR68KCE-PFV-950	5-1/2	208/230	1	69,500	7/8" ODF	1/2" ODF	—	Terminal Block
B75-047	ZR68KCE-TFD-930	5-1/2	460	3	68,500	7/8" ODF	1/2" ODF	—	Terminal Block
B75-048	ZR72KCE-TF5-950	6	200/230	3	73,500	7/8" ODF	1/2" ODF	—	Terminal Block
B75-049	ZR72KCE-TF5-965	6	200/230	3	73,500	1-1/4" ROT	1" ROT	—	Terminal Block
B75-050	ZR72KCE-TFD-950	6	460	3	73,500	7/8" ODF	1/2" ODF	—	Terminal Block
B75-051	ZR72KCE-TFD-965	6	460	3	73,500	1-1/4" ROT	1" ROT	—	Terminal Block
B75-052	ZR81KCE-TF5-950	6-1/2	200/230	3	81,100	7/8" ODF	3/4" ODF	—	Terminal Block
B78-536	ZR81KCE-TF5-965	6-1/2	200/230	3	82,000	1-1/4" ROT	1-1/4" ROT	—	Terminal Block
B75-053	ZR81KCE-TFD-950	6-1/2	460	3	81,500	7/8" ODF	3/4" ODF	—	Terminal Block
B74-058	ZR84KCE-TF5-950	7	200/230	3	84,000	1-1/8" ODF	7/8" ODF	—	Terminal Block
B74-059	ZR84KCE-TFD-950	7	460	3	84,000	1-1/8" ODF	7/8" ODF	—	Terminal Block
B78-537	ZR84KCE-TFD-965	7	460	3	85,500	1-3/4" ROT	1-1/4" ROT	—	Terminal Block
B73-592	ZR90K3E-TWC-961	7-1/2	208/230	3	89,000	1-3/4" ROT	1-1/4" ROT	—	Terminal Block
B73-593	ZR90K3E-TWD-961	7-1/2	460	3	89,000	1-3/4" ROT	1-1/4" ROT	—	Terminal Block
B74-060	ZR94KCE-TF5-950	8	200/230	3	94,000	1-1/8" ODF	7/8" ODF	—	Terminal Block
B78-538	ZR94KCE-TF5-965	8	200/230	3	96,500	1-3/4" ROT	1-1/4" ROT	—	Terminal Block
B74-061	ZR94KCE-TFD-950	8	460	3	94,000	1-1/8" ODF	7/8" ODF	—	Terminal Block
B78-539	ZR94KCE-TFD-965	8	460	3	96,500	1-3/4" ROT	1-1/4" ROT	—	Terminal Block
B74-062	ZR108KCE-TF5-950	9	200/230	3	108,900	1-3/8" ODF	7/8" ODF	—	Terminal Block
B78-508	ZR108KCE-TF5-965	9	200/230	3	109,000	1-3/4" ROT	1-1/4" ROT	—	Terminal Block
B73-594	ZR11M3E-TWC-961	9	208/230	3	108,300	1-3/4" ROT	1-1/4" ROT	—	Terminal Block
B74-063	ZR108KCE-TFD-950	9	460	3	108,700	1-3/8" ODF	7/8" ODF	—	Terminal Block
B78-509	ZR108KCE-TFD-965	9	460	3	109,000	1-3/4" ROT	1-1/4" ROT	—	Terminal Block
B74-064	ZR125KCE-TF5-950	10	200/230	3	129,000	1-3/8" ODF	7/8" ODF	—	Terminal Block
B78-510	ZR125KCE-TF5-965	10	200/230	3	128,000	1-3/4" ROT	1-1/4" ROT	—	Terminal Block
B74-065	ZR125KCE-TFD-950	10	460	3	126,400	1-3/8" ODF	7/8" ODF	—	Terminal Block
B78-511	ZR125KCE-TFD-965	10	460	3	128,000	1-3/4" ROT	1-1/4" ROT	—	Terminal Block
B73-596	ZR12M3E-TWC-961	10-1/2	200/230	3	125,500	1-3/4" ROT	1-1/4" ROT	—	Terminal Block
B73-597	ZR12M3E-TWD-961	10-1/2	460	3	125,500	1-3/4" ROT	1-1/4" ROT	—	Terminal Block
B74-066	ZR144KCE-TF5-950	12	200/230	3	142,800	1-3/8" ODF	7/8" ODF	—	Terminal Block
B78-512	ZR144KCE-TF5-965	12	200/230	3	146,000	1-3/4" ROT	1-1/4" ROT	—	Terminal Block
B74-067	ZR144KCE-TFD-950	12	460	3	142,800	1-3/8" ODF	7/8" ODF	—	Terminal Block
B78-513	ZR144KCE-TFD-965	12	460	3	146,000	1-3/4" ROT	1-1/4" ROT	—	Terminal Block
B73-598	ZR16M3E-TWC-961	13	200/230	3	154,300	1-3/4" ROT	1-1/4" ROT	—	Terminal Block
B78-514	ZR160KCE-TE5-950	13	200/230	3	160,000	1-3/8" ODF	7/8" ODF	—	Terminal Block
B78-515	ZR160KCE-TE5-965	13	200/230	3	160,000	1-3/4" ROT	1-1/4" ROT	—	Terminal Block
B73-599	ZR16M3E-TWD-961	13	460	3	154,300	1-3/4" ROT	1-1/4" ROT	—	Terminal Block
B78-516	ZR160KCE-TED-950	13	460	3	160,000	1-3/8" ODF	7/8" ODF	—	Terminal Block
B78-517	ZR160KCE-TED-965	13	460	3	160,000	1-3/4" ROT	1-1/4" ROT	—	Terminal Block
B73-600	ZR19M3E-TWC-961	16	200/230	3	189,400	2-1/4" ROT	1-3/4" ROT	—	Terminal Block
B78-518	ZR190KCE-TE5-950	16	200/230	3	190,000	1-3/8" ODF	7/8" ODF	—	Terminal Block
B78-519	ZR190KCE-TE5-965	16	200/230	3	190,000	1-3/4" ROT	1-1/4" ROT	—	Terminal Block
B73-601	ZR19M3E-TWD-961	16	460	3	189,400	2-1/4" ROT	1-3/4" ROT	—	Terminal Block
B78-520	ZR190KCE-TED-950	16	460	3	190,000	1-3/8" ODF	7/8" ODF	—	Terminal Block
B78-521	ZR190KCE-TED-965	16	460	3	190,000	1-3/4" ROT	1-1/4" ROT	—	Terminal Block
B75-883	ZR250KCE-TEC-965	20	200/230	3	250,000	2-1/4" ROT	1-3/4" ROT	—	Terminal Block
B78-522	ZR250KCE-TE5-965	20	200/230	3	250,000	2-1/4" ROT	1-3/4" ROT	—	Terminal Block
B75-884	ZR250KCE-TED-965	20	460	3	250,000	2-1/4" ROT	1-3/4" ROT	—	Terminal Block
B78-523	ZR250KCE-TED-951	20	460	3	250,000	1-5/8" ODF	1-3/8" ODF	—	Terminal Block
B75-885	ZR300KCE-TEC-965	25	200/230	3	296,000	2-19/32" ROT	1-3/4" ROT	—	Terminal Block
B78-524	ZR300KCE-TE5-965	25	200/230	3	296,000	2-3/5" Flange	1-3/4" ROT	—	Terminal Block
B75-886	ZR300KCE-TED-965	25	460	3	296,000	2-19/32" ROT	1-3/4" ROT	—	Terminal Block
B78-525	ZR380KCE-TEC-965	32	208/230	3	379,000	2-1/4" ROT	1-3/4" ROT	—	Terminal Block
B78-526	ZR380KCE-TED-965	32	460	3	379,000	2-1/4" ROT	1-3/4" ROT	—	Terminal Block

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R410A Scroll Compressors

- 1-1/2 through 30 ton models
- Single-phase models are PSC type and utilize internal line break overloads for motor protection
- BtuH ratings are based on 45°F evaporating temperature, 130°F condensing temperature, 65°F return gas temperature and 95°F liquid temperature
- 7-1/2" x 7-1/2" square mounting
- Mounting hardware included
- BOM 800 features molded plug connection; molded plug not included
- **B15-358** molded plug purchased separately



Order #	Mfg. #	Tons	Volts	Phase	BtuH Capacity @ 45°F Evap.	Suction Conn.	Discharge Conn.	Run Capacitor	Conn.
B78-463	ZP14K5E-PFV-800	1-1/4	208/230	1	14,650	3/4" ODF	1/2" ODF	—	Molded Plug
B74-019	ZP16K5E-PFV-800	1-1/2	208/230	1	15,500	3/4" ODF	1/2" ODF	G21-917	Molded Plug
B74-020	ZP20K5E-PFV-800	1-3/4	208/230	1	20,000	3/4" ODF	1/2" ODF	G21-921	Molded Plug
B74-021	ZP20K5E-TF5-800	1-3/4	200/230	3	20,000	3/4" ODF	1/2" ODF	—	Molded Plug
B74-022	ZP20K5E-TFD-800	1-3/4	460	3	20,000	3/4" ODF	1/2" ODF	—	Molded Plug
B74-023	ZP24K5E-PFV-800	2	208/230	1	24,000	3/4" ODF	1/2" ODF	G21-924	Molded Plug
B74-024	ZP24K5E-TF5-800	2	200/230	3	24,000	3/4" ODF	1/2" ODF	—	Molded Plug
B74-025	ZP24K5E-TFD-800	2	460	3	24,000	3/4" ODF	1/2" ODF	—	Molded Plug
B78-478	ZP28K5E-PFV-800	2-1/4	208/230	1	27,900	3/4" ODF	1/2" ODF	—	Molded Plug
B78-479	ZP28K5E-TF5-800	2-1/4	200/230	3	27,900	3/4" ODF	1/2" ODF	—	Molded Plug
B78-480	ZP28K5E-TFD-800	2-1/4	460	3	27,900	3/4" ODF	1/2" ODF	—	Molded Plug
B74-026	ZP31K5E-PFV-800	2-1/2	208/230	1	31,100	3/4" ODF	1/2" ODF	G21-927	Molded Plug
B74-027	ZP31K5E-TF5-800	2-1/2	200/230	3	31,200	3/4" ODF	1/2" ODF	—	Molded Plug
B74-028	ZP31K5E-TFD-800	2-1/2	460	3	31,200	3/4" ODF	1/2" ODF	—	Molded Plug
B74-029	ZP34K5E-PFV-800	3	208/230	1	34,500	3/4" ODF	1/2" ODF	G21-927	Molded Plug
B74-030	ZP34K5E-TF5-800	3	200/230	3	34,600	3/4" ODF	1/2" ODF	—	Molded Plug
B74-031	ZP34K5E-TFD-800	3	460	3	34,600	3/4" ODF	1/2" ODF	—	Molded Plug
B74-032	ZP38K5E-PFV-800	3-1/4	208/230	1	37,800	3/4" ODF	1/2" ODF	G21-927	Molded Plug
B74-033	ZP38K5E-TF5-800	3-1/4	200/230	3	37,600	3/4" ODF	1/2" ODF	—	Molded Plug
B74-034	ZP38K5E-TFD-800	3-1/4	460	3	37,600	3/4" ODF	1/2" ODF	—	Molded Plug
B74-035	ZP42K5E-PFV-800	3-1/2	208/230	1	42,000	7/8" ODF	1/2" ODF	G35-224	Molded Plug
B74-036	ZP42K5E-TF5-800	3-1/2	200/230	3	41,900	7/8" ODF	1/2" ODF	—	Molded Plug
B74-037	ZP42K5E-TFD-800	3-1/2	460	3	41,900	7/8" ODF	1/2" ODF	—	Molded Plug
B74-038	ZP49K5E-PFV-800	4	208/230	1	49,400	7/8" ODF	1/2" ODF	G35-224	Molded Plug
B74-039	ZP49K5E-TF5-800	4	200/230	3	49,700	7/8" ODF	1/2" ODF	—	Molded Plug
B74-040	ZP49K5E-TFD-800	4	460	3	49,700	7/8" ODF	1/2" ODF	—	Molded Plug
B78-490	ZP51K6E-PFV-800	4-1/4	208/230	1	51,000	7/8" ODF	1/2" ODF	—	Molded Plug
B74-041	ZP54K5E-PFV-800	4-1/2	208/230	1	54,000	7/8" ODF	1/2" ODF	G33-072	Molded Plug
B74-042	ZP54K5E-TF5-800	4-1/2	200/230	3	54,300	7/8" ODF	1/2" ODF	—	Molded Plug
B74-043	ZP54K5E-TFD-800	4-1/2	460	3	54,300	7/8" ODF	1/2" ODF	—	Molded Plug
B78-491	ZP54K6E-TFD-800	4-1/2	460	3	54,900	7/8" ODF	1/2" ODF	—	Molded Plug
B78-492	ZP61K5E-PFV-800	5	208/230	1	61,500	7/8" ODF	1/2" ODF	—	Molded Plug
B78-493	ZP61K5E-TF5-800	5	200/230	3	61,500	7/8" ODF	1/2" ODF	—	Molded Plug
B78-494	ZP61K5E-TFD-800	5	460	3	61,500	7/8" ODF	1/2" ODF	—	Molded Plug
B78-496	ZP61KCE-TFD-830	5	460	3	61,500	7/8" ODF	1/2" ODF	—	Molded Plug
B78-498	ZP67KCE-PFV-950	5-1/2	208/230	1	67,500	7/8" ODF	1/2" ODF	—	Terminal Block
B78-499	ZP67KCE-TF5-930	5-1/2	200/230	3	67,500	7/8" ODF	1/2" ODF	—	Quick Connect
B78-500	ZP67KCE-TF5-950	5-1/2	200/230	3	67,500	7/8" ODF	1/2" ODF	—	Terminal Block
B78-501	ZP67KCE-TFD-930	5-1/2	460	3	67,000	7/8" ODF	1/2" ODF	—	Quick Connect
B78-502	ZP67KCE-TFD-950	5-1/2	460	3	67,000	7/8" ODF	1/2" ODF	—	Terminal Block
B78-503	ZP72KCE-PFV-950	6	208/230	1	72,000	7/8" ODF	1/2" ODF	—	Terminal Block
B73-121	ZP72KCE-TF5-950	6	200/230	3	72,000	7/8" ODF	1/2" ODF	—	Terminal Block
B73-122	ZP72KCE-TFD-950	6	460	3	72,000	7/8" ODF	1/2" ODF	—	Terminal Block
B78-504	ZP76KCE-TF5-950	6-1/2	200/230	3	77,000	7/8" ODF	1/2" ODF	—	Terminal Block
B78-505	ZP76KCE-TFD-950	6-1/2	460	3	77,000	7/8" ODF	1/2" ODF	—	Terminal Block
B73-123	ZP83KCE-TF5-950	7	200/230	3	83,000	7/8" ODF	1/2" ODF	—	Terminal Block
B73-124	ZP83KCE-TFD-950	7	460	3	83,000	7/8" ODF	1/2" ODF	—	Terminal Block
B73-125	ZP90KCE-TF5-950	7-1/2	200/230	3	90,500	1-1/8" ODF	7/8" ODF	—	Terminal Block
B73-126	ZP90KCE-TFD-950	7-1/2	460	3	90,500	1-1/8" ODF	7/8" ODF	—	Terminal Block
B78-506	ZP91KCE-TF5-950	7-1/2	200/230	3	90,500	7/8" ODF	3/4" ODF	—	Terminal Block
B78-507	ZP91KCE-TFD-950	7-1/2	460	3	90,500	7/8" ODF	3/4" ODF	—	Terminal Block
B90-427	ZP103KCE-TF5-950	8-1/2	200/230	3	105,000	1-1/8" ODF	7/8" ODF	—	Terminal Block
B90-428	ZP103KCE-TFD-950	8-1/2	460	3	105,000	1-3/8" ODF	7/8" ODF	—	Terminal Block
B78-460	ZP104KCE-TF5-950	8-1/2	200/230	3	106,000	1-1/8" ODF	7/8" ODF	—	Terminal Block
B78-461	ZP104KCE-TFD-950	8-1/2	460	3	106,000	1-1/8" ODF	7/8" ODF	—	Terminal Block
B73-127	ZP120KCE-TF5-950	10	200/230	3	123,000	1-1/8" ODF	7/8" ODF	—	Terminal Block
B90-429	ZP120KCE-TFD-950	10	460	3	123,000	1-3/8" ODF	7/8" ODF	—	Terminal Block
B78-462	ZP122KCE-TF5-950	10	200/230	3	124,000	1-1/8" ODF	7/8" ODF	—	Terminal Block

continued on next page

Order #	Mfg. #	Tons	Volts	Phase	BtuH Capacity @ 45°F Evap.	Suction Conn.	Discharge Conn.	Run Capacitor	Conn.
B73-128	ZP137KCE-TF5-950	11	200/230	3	137,000	1-3/8" ODF	7/8" ODF	—	Terminal Block
B73-130	ZP137KCE-TFD-950	11	460	3	137,000	1-3/8" ODF	7/8" ODF	—	Terminal Block
B75-873	ZP154KCE-TE5-950	13	200/230	3	155,000	1-3/8" ODF	7/8" ODF	—	Terminal Block
B78-464	ZP154KCE-TE5-965	13	200/230	3	155,000	1-3/4" ROT	1-1/4" ROT	—	Terminal Block
B75-874	ZP154KCE-TED-950	13	460	3	155,000	1-3/8" ODF	7/8" ODF	—	Terminal Block
B78-465	ZP154KCE-TED-965	13	460	3	155,000	1-3/4" ROT	1-1/4" ROT	—	Terminal Block
B78-466	ZP154KCE-TFD-855	13	460	3	155,000	1-3/8" ODF	7/8" ODF	—	Quick Connect
B90-430	ZP180KCE-TWC-961	15	208/230	3	180,000	2-1/4" ROT	1-3/4" ROT	—	Terminal Block
B90-431	ZP180KCE-TWD-961	15	460	3	180,000	2-1/4" ROT	1-3/4" ROT	—	Terminal Block
B78-467	ZP181KCE-TED-950	15	460	3	178,000	1-3/8" ODF	7/8" ODF	—	Terminal Block
B78-468	ZP181KCE-TED-965	15	460	3	178,000	1-3/4" ROT	1-1/4" ROT	—	Terminal Block
B78-469	ZP182KCE-TE5-950	15	200/230	3	183,000	1-3/8" ODF	7/8" ODF	—	Terminal Block
B78-470	ZP182KCE-TE5-965	15	200/230	3	183,000	1-3/4" ROT	1-1/4" ROT	—	Terminal Block
B75-875	ZP182KCE-TED-950	15	460	3	183,000	1-3/8" ODF	7/8" ODF	—	Terminal Block
B75-876	ZP182KCE-TED-965	15	460	3	183,000	1/3/4" ROT	1-1/4" ROT	—	Terminal Block
B78-471	ZP235KCE-TE5-951	20	200/230	3	235,000	1-5/8" ODF	1-3/8" ODF	—	Terminal Block
B75-877	ZP235KCE-TEC-951	20	208/230	3	235,000	1-5/8" ODF	1-3/8" ODF	—	Terminal Block
B75-878	ZP235KCE-TED-951	20	460	3	235,000	1-5/8" ODF	1-3/8" ODF	—	Terminal Block
B78-472	ZP236KCE-TE5-951	20	200/230	3	236,000	1-5/8" ODF	1-1/8" ODF	—	Terminal Block
B78-473	ZP236KCE-TED-951	20	460	3	238,000	1-5/8" ODF	1-1/8" ODF	—	Terminal Block
B78-474	ZP236KCE-TED-966	20	460	3	238,000	2-1/4" ROT	1-3/4" ROT	—	Terminal Block
B78-475	ZP285KCE-TEC-951	23	208/230	3	278,000	2-1/8" ODF	1-3/8" ODF	—	Terminal Block
B78-476	ZP285KCE-TEC-965	23	208/230	3	278,000	2-1/4" ROT	1-3/4" ROT	—	Terminal Block
B78-477	ZP285KCE-TED-965	23	460	3	278,000	2-1/4" ROT	1-3/4" ROT	—	Terminal Block
B75-879	ZP285KCE-TED-951	24	460	3	278,000	2-1/8" ODF	1-3/8" ODF	—	Terminal Block
B75-880	ZP295KCE-TEC-965	25	208/230	3	294,000	2-1/4" ROT	1-3/4" ROT	—	Terminal Block
B75-881	ZP295KCE-TED-951	25	460	3	294,000	1-5/8" ODF	1-3/8" ODF	—	Terminal Block
B75-882	ZP295KCE-TED-965	25	460	3	294,000	2-1/4" ROT	1-3/4" ROT	—	Terminal Block
B78-481	ZP296KCE-TE5-951	25	200/230	3	298,000	1-5/8" ODF	1-1/8" ODF	—	Terminal Block
B78-482	ZP296KCE-TED-951	25	460	3	298,000	1-5/8" ODF	1-1/8" ODF	—	Terminal Block
B78-483	ZP296KCE-TED-966	25	460	3	298,000	2-1/4" ROT	1-3/4" ROT	—	Terminal Block
B78-484	ZP385KCE-TE5-951	32	200/230	3	385,000	1-5/8" ODF	1-3/8" ODF	—	Terminal Block
B78-485	ZP385KCE-TE5-966	32	200/230	3	385,000	2-1/4" ROT	1-3/4" ROT	—	Terminal Block
B78-486	ZP385KCE-TEC-951	32	208/230	3	385,000	1-5/8" ODF	1-3/8" ODF	—	Terminal Block
B78-487	ZP385KCE-TEC-966	32	208/230	3	385,000	2-1/4" ROT	1-3/4" ROT	—	Terminal Block
B78-488	ZP385KCE-TED-951	32	460	3	385,000	1-5/8" ODF	1-3/8" ODF	—	Terminal Block
B78-489	ZP385KCE-TED-966	32	460	3	385,000	2-1/4" ROT	1-3/4" ROT	—	Terminal Block

COPELAND

Molded Plug for Copeland Compressors



Order #	Mfg. #	Description	For Use With	Each
B15-358	529-0060-04	Molded Plug	Select OEM Compressors	**129.00**

COPELAND

Comfort Alert™ Compressor Diagnostics

For Copeland Scroll Compressors



- Diagnostic module gathers and analyzes system data
- Allows technician to identify and solve problems faster
- Installs easily in electrical box
- Identifies root causes of malfunctions, including common electrical problems, compressor defects, and broad system faults
- Single-phase models listed below; three-phase commercial model available soon

Order #	Mfg. #	Description
B15-353	943-0012-00	Heat Pumps

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Hermetic Compressor Analyzer

- Connects directly to compressor motor; checks for continuity and ground faults in motor windings
- Frees locked rotors by reversing motor action
- Dual voltage operation, 120/240VAC
- 3 ranges of 250VAC starting capacitors, 88 to 301 MFD
- Direct measurement of resistance and voltage facilitated by VOM input jacks
- Convenient breakout jacks for measuring voltage and resistance



Order #	Mfg. #	Each
H24-355	HA1	**865.00**

R12 Medium and Low Temperature Compressors

- For low and medium temperature applications
- For R12 and interim blend applications
- Charged with alkylbenzene oil
- **B81-357** has start capacitor (high starting torque)
- **B81-263** is a direct replacement for Whirlpool compressors
- BtuH capacity ratings are based on the following low temperature conditions: 130°F condensing, 90°F return gas, 90°F ambient and 90°F liquid temperature at the expansion valve



Order #	Mfg. #	HP	Volts	Starting Torque	BtuH Capacity @ -10°F Evap.	BtuH Capacity @ 0°F Evap.	BtuH Capacity @ 10°F Evap.	BtuH Capacity @ 20°F Evap.	BtuH Capacity @ 25°F Evap.	Mounting Centers	Suction Conn.	Discharge Conn.	Start Capacitor	Relay	Height	Wt. Lbs.
B81-345	FFC60BK1	1/5+	115	Normal	655	880	1,125	1,600	1,595	6-1/2" x 4"	5/16" ODS	1/4" ODS	—	B11-912	7.9	23.7
B81-263	FF8.5BK1	1/4	115	Normal	854	1,119	1,416	1,800	1,997	6-1/2" x 4"	5/16" ODS	1/4" ODS	—	B11-913	7.9	23.6
B81-346	FF10BK1	1/4+	115	Normal	913	1,218	1,548	2,000	2,188	6-1/2" x 4"	5/16" ODS	1/4" ODS	—	B11-916	7.9	23.7
B81-347	FF10BX1	1/4+	115	High	862	1,176	1,501	2,000	2,151	6-1/2" x 4"	5/16" ODS	1/4" ODS	G22-834	B11-914	7.9	23.7
B81-264	FF11.5BK1	1/3	115	Normal	1,130	1,521	1,938	2,500	2,742	6-1/2" x 4"	5/16" ODS	1/4" ODS	—	B11-915	7.9	25.1
B81-357	FFI12BX1	1/3+	115	High	1,350	1,770	2,222	2,600	2,864	6-1/2" x 4"	5/16" ODS	1/4" ODS	G22-657	B11-917	7.9	25.2

Embraco R134A Compressors

- For low, medium and high temperature applications
- Charged with POE/ISO22 oil
- **B86-078** and **B86-079** have start capacitors (high starting torque)
- Direct replacement of OEM compressors in commercial refrigeration
- BtuH capacity ratings are based on the following low temperature conditions: 130°F condensing, 90°F return gas, 90°F ambient and 90°F liquid temperature at the expansion valve



Order #	Mfg. #	HP	Volts	Starting Torque	BtuH Capacity @ -10°F Evap.	BtuH Capacity @ 0°F Evap.	BtuH Capacity @ 10°F Evap.	BtuH Capacity @ 20°F Evap.	BtuH Capacity @ 25°F Evap.	Mounting Centers	Suction Conn.	Discharge Conn.	Start Capacitor	Relay	Height	Wt. Lbs.
B86-272	EMIS30HHR1	1/10	115	Normal	340	415	577	742	900	6-1/2" x 4"	1/4" ODS	3/16" ODS	513556549	513504271	6.2	14.9
B86-273	EM45HHR1	1/8	115	Normal	420	580	778	972	1,105	6-1/2" x 4"	1/4" ODS	3/16" ODS	513556521	513515292	6.2	16.5
B86-274	EMIS70HHR1	1/5	115	Normal	700	941	1,269	1,601	1,829	6-1/2" x 4"	1/4" ODS	1/4" ODS	—	513514069	6.6	17.7
B86-076	FF8.5HBK1	1/4	115	Low	740	910	1324	1,725	1905	6-1/2" x 4"	5/16" ODS	1/4" ODS	None	513516169	7.9	23.8
B86-077	FF10HBK1	1/4+	115	Low	840	1166	1559	1,973	2272	6-1/2" x 4"	5/16" ODS	1/4" ODS	None	513506242	7.9	25.3
B86-078	FFI10HBX1	1/3	115	High	1065	1486	1918	2,485	2845	6-1/2" x 4"	5/16" ODS	1/4" ODS	513556529	513506009	7.9	25.1
B86-079	FFI12HBX1	1/3+	115	High	1190	1657	2235	3,000	3297	6-1/2" x 4"	5/16" ODS	1/4" ODS	513556535	513506383	7.9	25.4

Battery Driven Compressors

- For use with low and medium back pressure R134a systems
- Built-in battery protection module
- Ideal for boats, truck cab refrigerators, RVs and other compact mobile applications
- Variable speed
- Must purchase **B14-369** electronic unit control



Order #	Mfg. #	HP	BtuH Capacity @ -10°F Evap.	BtuH Capacity @ 10°F Evap.	BtuH Capacity @ 25°F Evap.	Suction Conn.	Discharge Conn.	For Use With
B82-351	BD35F510	1/20	113	214	320	1/4"	1/4"	—
B82-352	BD50F510	1/12	142	273	410	1/4"	1/4"	—
B14-369	101N0212	12-24V DC Electronic Unit	—	—	—	—	—	Medium Temperature

Packard



Crankcase Heaters

- Installed to raise crankcase oil temperature and reduce its ability to attract and hold refrigerant

Order #	Mfg. #	Volts	Watts	Size	Each
B11-846	CH10340	240	45	24-3/4" x 31-9/16"	**65.00**
B11-676	CH101240	120	54	27-7/16" x 34-1/4"	**69.00**
B11-385	CH10140	240	54	27-7/16" x 34-1/4"	**65.00**
B11-844	CH101340	480	54	27-7/16" x 34-1/4"	**65.00**

Order #	Mfg. #	Volts	Watts	Size	Each
B11-845	CH10240	240	60	25-3/4" x 32-9/16"	**69.00**
B13-593	CH2022	120	70	33-3/4" x 36-3/4"	**69.00**
B13-592	CH202T	240	70	33-3/4" x 36-3/4"	**65.00**
B13-594	CH2023	480	70	33-3/4" x 36-3/4"	**69.00**

Crankcase Heater To Compressor Application Reference

Compressor Manufacturer	Compressor Model #
B11-676, B11-385 & B11-844 Crankcase Heaters For Use With:	
Aspera	H Series
Bristol/Sundstrand	H10A, H20A, H21A, H22A & H2EA
Bendix/Westinghouse	C, D, E, CD072 & CD 090
Carlyle	W (70-88)
Carrier	6A25-6A29, 6A35, 6A38, 6A45 & 6A48
Copeland	CR, VR & Y
Hitachi	753FH3-H & 1001FH4-H
Tecumseh	AG, AH, AV, B, C & CL
Trane	D4350/689 & D4359/690
B13-592, B13-593, B13-594 Crankcase Heaters For Use With:	
Copeland	BR

Compressor Manufacturer	Compressor Model #
B11-845 Crankcase Heater For Use With:	
Aspera	J Series
Bristol / Sundstrand	H10, H20C, H21C & H22C
Tecumseh	AJ
Trane	D4340/7669
B11-846 Crankcase Heater For Use With:	
Bendix/Westinghouse	A
Bristol/Sundstrand	H10B, H20B, H21B & H22B
Copeland	RR & SR
Hitachi	305FH2-HE, 402FH2-HE & 505FH2-HE
Tecumseh	AB

Raychem



Crankcase Heaters

- Fits all hermetic compressors up to 5 HP and less than 40" circumference
- Reliable and long-lasting
- Regulates its own heat output
- Will not overheat oil and can be overlapped
- Easy installation and low operating cost
- 120VAC and 240VAC

Order #	Mfg. #	Volts	Watts	Each
B12-546	CCH-1C	120	32 @ 50°F and 60 @ 0°F	**215.00**
B12-547	CCH-2C	240	32 @ 50°F and 60 @ 0°F	**215.00**

Supco



A



B

Solid State Relay Overloads

- Replaces all hermetic refrigerator compressor relay/overload units
- from 1/12 HP through 1/3 HP
- Available in wire-on or push-on style

Fig.	Order #	Mfg. #	HP	Volts	Style	Each	3 Lot
A	**B11-299**	RO81	1/12–1/10–1/8–1/6–1/5	115	Wire-On	**24.49**	**20.99**
A	**B11-296**	RO41	1/4–1/3	115	Wire-On	**23.99**	**20.99**
A	**B11-298**	RO42	1/4–1/3	220	Wire-On	**34.49**	**32.49**
B	**B11-924**	PRO41	1/4–1/3	115	Push-On	**24.99**	**21.49**
B	**B11-925**	PRO81	1/12–1/10–1/8–1/6–1/5	115	Push-On	**24.99**	**21.49**

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Compressor Overloads

- Protectors have a temperature actuated disc that opens and closes contacts
- Disc opens at a combination of the heat generated by the motor or compressor and the electrical heater



Order #	Mfg. #	HP	L/R Amps	Type	Each
B11-334	OV34	1/8	14.0–15.5	Fan	**21.99**
B11-336	OV36	1/6, 1/8	16.0–18.0	Fan, Static	**21.99**
B11-338	OV38	1/5, 1/6	18.5–22.0	Fan, Static	**21.99**
B11-340	OV40	1/5	22.5–26.5	Static	**21.99**
B11-342	OV42	1/4	27.0–31.0	Fan	**21.99**

Order #	Mfg. #	HP	L/R Amps	Type	Each
B11-344	OV44	1/4	31.5–35.5	Static	**21.99**
B11-346	OV46	1/3	36.0–40.0	Fan	**21.99**
B11-348	OV48	1/3	40.5–44.5	Static	**21.99**
B11-350	OV50	1/2	45.0–49.0	Fan	**21.99**

Compressor Overload

Order #	Mfg. #	For Use With	Each
B12-840	2289003	B81-016 (Aspera Model# J6220A)	**44.49**

Solid State Snap-On Relays

Replaces Thousands of Models 1/12 HP Through 1/2 HP

- Replace GE 3ARR2 and 3ARR12 series, Klixon #C6360, 9660 and 3CR series
- Mount with quick snap-on bracket or mounting screws
- Solid state means long life, no contacts to wear

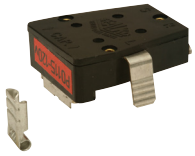


Order #	Mfg. #	Volts	Each
B11-201	ICG1	120	**17.49**
B11-245	ICG-220	230	**19.99**

Solid State Push-On Relay

For 1/12 HP Through 1/3 HP Compressors

- Hundreds of different relays no longer must be matched for specific windings
- Solid state eliminates contact points

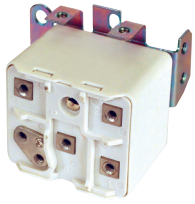


Order #	Mfg. #	Each
B11-255	PO115	**18.99**

Potential Relays

Universal Replacement

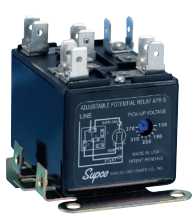
- Includes instructions, mounting brackets, spade adapters and screws
- Terminal connections are screw-type and can be converted to push-on



Order #	Mfg. #	Volts	Continuous Volt	Pick-Up Volt Min.	Pick-Up Volt Max.	Drop-Out Volt Min.	Drop-Out Volt Max.	Replaces Mars #	Each
B13-307	19002	170	170	139	153	20	55	19002	**185.00**
B13-308	19003	395	395	260	275	60	120	19003	**205.00**
B13-309	19004	332	332	168	182	40	90	19004	**195.00**
B13-310	19005	395	395	215	225	60	120	19005	**175.00**
B13-311	19006	420	420	295	315	60	125	19006	**209.00**
B13-312	19007	502	502	325	345	60	135	19007	**189.00**
B13-313	19009	253	253	285	305	40	77	19009	**165.00**
B13-314	19010	420	420	212	232	60	121	19010	**179.00**

Adjustable Potential Relay

- Allows for the exact wire-by-wire replacement of virtually all potential relays with pick-up voltages from 130 to 370
- Replaces both 5-terminal and 3-terminal potential relays
- Recycles instantly
- Pick-up voltage can be preset to the voltage of the defective relay
- Built-in safety feature prevents the start winding from overloading during a locked rotor condition by removing it from the circuit



Order #	Mfg. #	Each
B12-402	APR-5	**69.00**

Direct Replacement Relays for Copeland



- Direct replacement relays for Copelaweld® hermetic air conditioning compressor applications
- Contact your local Johnstone Supply for complete specifications

Order #	Mfg. #	Volts	Continuous Volt	Pick-Up Volt Min.	Pick-Up Volt Max.	Drop-Out Volt Min.	Drop-Out Volt Max.	Replaces	Each
B13-470	16089	375	375	224	252	50	110	(0)940-0001-54	**85.00**
B13-471	16023	375	375	180	195	40	105	(0)940-0001-55	**75.00**
B13-472	16091	420	420	180	195	40	105	(0)940-0001-60	**85.00**
B14-246	16152	332	332	162	175	40	90	(0)940-0001-79	**75.00**
B13-473	16098	420	420	242	272	60	121	(0)940-0001-64	**89.00**
B13-474	16099	420	420	223	259	60	121	(0)940-0001-68	**89.00**
B13-550	16090	420	420	195	224	60	121	(0)940-0001-35	**89.00**

Universal Potential Relay



- Wire-to-wire replacement for all potential motor starting relays for compressors rated at 110 to 270VAC, single-phase, up to 5 HP with any pick-up voltage
- Has adapters to convert screw-on to push-on terminals and installation instructions

Order #	Mfg. #	Each
B11-873	SUPR	**75.00**

Replacement for Potential Style Relays



- No user adjustments required
- Ideal for A/C, commercial refrigeration, heat pump, or any single-phase motor application up to 10 HP
- Voltage rating: 110 to 270VAC, single-phase

Order #	Mfg. #	HP	Volts	Replaces	For Use With	Each
L44-274	UMSR-50B-LF	10 max	110-277	All standard potential relays	Single Phase Motors	**85.00**

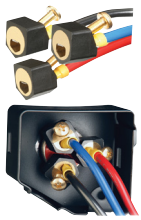
Compressor Leads



- Provides quick connect replacement for corroded or failed leads and as extensions for replacement compressors
- 12" length, 10 gauge wire, total of three leads per package
- Each lead has soldered flag end connector and heat activated butt end connector that provides an insulated, moisture sealed, strain relieved splice
- Suitable for use on 1 to 5 ton hermetic compressors

Order #	Mfg. #	Wire Gauge	Pkg. Qty.	Each
G32-387	CC33	10	3	**40.49**

QwikLug® Compressor Terminal Kits



- Attaches to damaged or corroded spade terminals
- Fits all standard compressor terminals
- Non-metallic connector — prevents short circuits
- Includes three connectors with lead wires
- Tightens from the front with a screwdriver
- Made in the U.S.A.

Order #	Mfg. #	Wire Gauge	Lead Length	Pkg. Qty.	Each
G32-265	QT2910	10	4' w/ Spade Terminal	3	**109.00**
G32-266	QT2912	12	4' w/ Spade Terminal	3	**99.00**
G37-396	QT2810	10	2' w/ Wire Nut	3	**95.00**
G37-397	QT2812	12	2' w/ Wire Nut	3	**95.00**

Compressor Repair Kit



- For repairing damaged or corroded terminals
- Lays flat under safety cover
- Includes high-temp soldered terminals, 10-gauge color-coded wires and 3 twist-on wire nuts

Order #	Mfg. #	Wire Gauge	Lead Length	Pkg. Qty.	Each
G38-346	ZCTRK	10	8"	3	**33.99**

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Ultimate Series Hard Starts

With Run Capacitor

- Universal, four-in-one combination relay, overload, start capacitor and run capacitor
- Provides additional boost to compressor
- Three sizes fit 1/12 to 1/2 HP refrigeration compressors
- Each includes a solid state run capacitor
- Completely pre-wired for quick and easy installation
- For use on systems with or without a run capacitor



Order #	Mfg. #	Volts	HP	Mfd	Each
B17-652	URCO810RC	115	For 1/12 to 1/5 HP	12.5	**47.99**
B17-651	URCO410RC	115	For 1/4 to 1/3 HP	15	**47.99**
B17-650	URCO210RC	115	For 1/3 to 1/2 HP	20	**55.00**

Ultimate Series Hard Starts

- Universal combination relay, overload and start capacitor
- Provides additional boost to compressor
- Three sizes fit 1/12 to 1/2 HP refrigeration compressors
- Completely pre-wired for quick and easy installation
- For use on systems with or without a run capacitor



Order #	Mfg. #	Volts	HP	Each
B17-140	URCO810	115	1/12, 1/10, 1/8, 1/16, 1/5	**39.99**
B17-141	URCO410	115	1/4, 1/3	**39.99**
B17-142	URCO210	115	1/2	**44.49**

3 Series High Torque Hard Starts

- 3-wire mechanical potential relay hard start
- For use on all 208/240V single-phase scroll and reciprocating compressors from 1 to 5 HP
- Can be used with single or dual run capacitors
- Instant re-start
- Energy saving, reduces start time by > 50%
- Includes EZ Snap Bracket for quick installation



Order #	Mfg. #	Volts	HP	Mfd	Each
B18-111	3W1	330	1–3	88-108	**65.00**
B18-112	3W2	330	3.5–4.5	189-227	**85.00**
B18-113	3W3	330	4–5	270-324	**105.00**

Ultra Series High Torque Hard Starts

- 2-wire mechanical potential relay hard start
- For use on all 208V/230V/265V single-phase reciprocating, scroll and rotary compressors from 1 to 5 HP
- Instant re-start
- Energy saving, reduces start time by > 50%
- Includes mounting cap



Order #	Mfg. #	Volts	HP	Mfd	Each
B18-110	MPR5	330	1–3	189-227	**99.00**
B18-109	MPR1	330	3.5–5	270-324	**115.00**

Solid State 3 N' 1 Relays

- Combination relay, overload and start capacitor
- Provides additional boost to compressor
- Three sizes fit 1/12 through 1/2 HP compressors on domestic and commercial refrigerators and freezers
- Completely pre-wired and installs quickly and easily



Order #	Mfg. #	Volts	HP	Each
B11-555	RCO810	115	1/12, 1/10, 1/8, 1/6, 1/5	**40.99**
B11-556	RCO410	115	1/4, 1/3	**39.49**
B13-542	RCO210	120	1/2	**40.99**

Super Start Relay



- Combination relay, overload and start capacitor
- For all motors including high starting torque motors 1/4 and 1/3 HP on domestic and commercial refrigerators and freezers
- Equipped with the latest electromechanical relay, locked rotor protector and 255 Mfd start capacitor
- Will increase its torque to its maximum capacity for motors not equipped with a capacitor, i.e. resistance start induction run

Order #	Mfg. #	Volts	HP	Each
B12-842	SS410	115	1/4, 1/3	**75.00**

Solid State Big Relay



- Combination relay and start capacitor
- One size fits 1/12 through 1/2 HP compressors
- Fits domestic and commercial refrigerators and freezers
- Pre-wired for fast, simple hook-up; 115V

Order #	Mfg. #	Each
B11-557	URSC10	**41.99**

Solid State Pow-R-Pak Starter

For Hard Starting — Installs in Seconds



- Compact 1-1/4" D x 1/2" W starter for the capacitor on room air conditioning, residential and commercial units
- No need to remove A/C from window on most models
- Quickly installs on 120VAC and 230VAC units, 1/2 through 10 HP
- One model for all starting problems and tight compressors

Order #	Mfg. #	Each
B11-254	SPP	**22.99**

Starter Pow-R-Paks



A B

- Combination relay and start capacitor
- For any PSC A/C and CSIR units, from 4,000 to 120,000 BtuH
- Connect two wires to existing run capacitor for easy installation
- Gives additional starting torque to all single-phase 120/288 VAC units, from 4,000 to 120,000 BtuH (1/2 through 10 HP)
- **B11-365** and **B11-519** are UR recognized

Fig.	Order #	Mfg. #	Starting Torque	Each	10 Lot
A	**B11-365**	SPP5	Up to 300%	**19.49**	**17.99**
A	**B11-519**	SPP6	Up to 500%	**25.49**	**23.99**
B	**B12-003**	SPP7S	Up to 600%	**55.00**	**53.00**

E Class Hard Starts



- Electronic potential relay and start capacitor for use on PSC technology or CSIR units
- Backup electronic timing circuit to protect the compressor
- Voltage sensing, instant restart
- Easy 2-wire connection

Order #	Mfg. #	Volts	HP	Mfd	Each
B13-543	SPP6E	90–277V	1/2–3	88-106	**85.00**
B13-544	SPP7E	90–277V	1–4	130-156	**99.00**
B11-881	SPP8E	90–277V	1–5	189-227	**115.00**

Ultra Series Hard Starts



- Mechanical potential relay
- Easy 2-wire installation
- NATE® recognized (Course #1867-0002)
- Voltage sensing and instant re-start
- Can be used on PSC and CSIR type compressors
- UL® recognized
- Without mounting clamp

Order #	Mfg. #	Volts	HP	Mfd	Each
B21-138	SPR1	330	1-3	189-227	**109.00**
B21-137	SPR5	330	3.5-5	270-324	**105.00**

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Kickstart Hard Starts

- Two-wire hard start device using potential relay with start capacitor
- No PTCR devices or time delays
- Works on 208-265V PSC and CSIR air conditioning, heat pump, and refrigeration compressors; 1-5 HP reciprocating, scroll and rotary
- Restarts Instantly™
- Approved by major compressor and equipment manufacturers
- Two-year warranty
- **B11-947** fits Maneurop models MT18JA-1, MTE18JA-1 and MTZ18JA-1



RECTORSEAL Kickstart®

Order #	Mfg. #	HP	Mfd	Each
B11-947	TO-5	1 - 3	189-227 (Max-Torque)	**145.00**
B12-856	MP1	Maneurop MT22 And Up	233-280 (Max-Torque)	**185.00**

Order #	Mfg. #	HP	Mfd	Each
B12-855	KS1	3.5 - 5	270-324 (Max-Torque)	**175.00**

5-2-1 Compressor Saver™

- Prewired potential relay and start capacitor
- Reduces time compressor is on high amp start-up, which helps prevent the dimming effect of household lighting
- Three color coded wires to connect for ease of installation
- Instant re-start
- For use on reciprocating and scroll compressors
- Two-year over-the-counter warranty exchange

5-2-1 COMPRESSOR SAVER



Order #	Mfg. #	Volts	HP	Compressor	Mfd	Each
B16-902	CSRU1	208-240	1-2-3 Ton	Scroll/Reciprocating	88-108	**99.00**
B16-903	CSRU2	208-240	3.5-4-5 Ton	Scroll/Reciprocating	189-227	**119.00**
B16-904	CSRU3	208-240	4-5 Ton	Scroll/Reciprocating	270-324	**135.00**

Sound Blankets

Universal Fit

- Two part design allows for varying heights and girths
- Minimum 5 dB noise reduction — a 40%+ decrease in noise
- Allows air conditioners to comply with local noise regulations

BRINMAR



Order #	Mfg. #	Description	Size (W x H)	Each
X81-410	0421AC	Fits up to 48,000 BTUs	10" x 19"	**115.00**
X81-411	0035HC	Fits 42,000 to 150,000 BTUs	12" x 20"	**135.00**

Coolpressor

- High-powered magnetic compressor cooler uses garden hose water to quickly cool overheated compressors
- Hands-free operation

Supco®



Order #	Mfg. #	Each
H28-658	CPPRO	**119.00**

Attic Pro® Utility Lift

- Adjustable from 14" to 24"
- 20' cable length
- Integrated locking hook
- Sturdy steel construction
- Lifts up to 250 lbs.
- Includes equipment strap and carrying case

Supco®



Order #	Mfg. #	Each
H85-894	ATP1	**409.00**

One Trip Hook

- Easily Lift equipment and tools though rooftop hatch
- Save time without multiple trips up ladder
- One person can do work of 2-man team
- Includes control rope (load rope not included)

Sensible Products®



Order #	Mfg. #	Each
H28-259	OTH-1	**79.00**

ESP ENERGY SAVING PRODUCTS



Rhino Tank and Compressor Tote

- Allows technician to easily pick up and move hermetic compressors and nitrogen/CO2 cylinders
- Comfortable grip balances the compressor or cylinder, avoids accidental dropping and bruised knuckles
- Great for warehouse personnel

Order #	Mfg. #	Each
B83-416	RH-10	**75.00**

DIVERSITECH



Compressor Tote

- Pick a compressor from its box
- Carry a compressor up a ladder
- Electroplated
- Strong steel construction
- Recommended for use with all compressors up to 5 tons
- Will even handle new high efficiency compressors

Order #	Mfg. #	Each
B81-337	ACT-6	**135.00**

Sypco®



TugBoat Compressor Tote

- Designed for easy transport of HVACR compressors
- Adjustable for either a one or two-person carry
- Heavy-duty steel construction
- Adjustable bike-style grips
- Quickly breaks down for easy storage

Order #	Mfg. #	Each
B87-758	TB100	**185.00**

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- Delivery options to get back on the road
- Technology to make your job easier
- Training to keep you competitive
- Service and support



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Rotalock Service Valves and Accessories



A B C D E

Fig.	Order #	Mfg. #	Description	Conn. Size	Rotalock Conn.	Each
A	**B12-779**	H038FL034T	Horizontal Rotalock Valve	3/8" SAE	3/4"–16	**115.00**
A	**B13-013**	H012FL034T	Horizontal Rotalock Valve	1/2" SAE	3/4"–16	**135.00**
A	**B12-780**	H012FL100T	Horizontal Rotalock Valve	1/2" SAE	1"–14	**135.00**
A	**B12-781**	H058FL100T	Horizontal Rotalock Valve	5/8" SAE	1"–14	**139.00**
A	**B12-782**	H038OD034T	Horizontal Rotalock Valve	3/8" ODF	3/4"–16	**115.00**
A	**B12-783**	H012OD100T	Horizontal Rotalock Valve	1/2" ODF	1"–14	**99.00**
A	**B12-784**	H058OD100T	Horizontal Rotalock Valve	5/8" ODF	1"–14	**125.00**
A	**B12-785**	H034OD114T	Horizontal Rotalock Valve	3/4" ODF	1-1/4" –12	**165.00**
A	**B12-786**	H078OD114T	Horizontal Rotalock Valve	7/8" ODF	1-1/4" –12	**145.00**
A	**B12-787**	H118OD114T	Horizontal Rotalock Valve	1-1/8" ODF	1-1/4" –12	**165.00**
A	**B12-788**	H118OD134T	Horizontal Rotalock Valve	1-1/8" ODF	1-3/4" –12	**325.00**
A	**B12-789**	H138OD134T	Horizontal Rotalock Valve	1-3/8" ODF	1-3/4" –12	**539.00**
B	**B12-790**	V012OD100T	Vertical Rotalock Valve	1/2" ODF	1"–14	**119.00**
B	**B12-791**	V058OD100T	Vertical Rotalock Valve	5/8" ODF	1"–14	**189.00**
B	**B12-792**	V078OD114T	Vertical Rotalock Valve	7/8" ODF	1-1/4" –12	**155.00**
B	**B12-793**	V118OD114T	Vertical Rotalock Valve	1-1/8" ODF	1-1/4" –12	**359.00**
C	**B12-794**	A038OD100	Straight Adapter	3/8" ODF	1"–14	**59.00**
C	**B12-795**	A012OD100	Straight Adapter	1/2" ODF	1"–14	**99.00**
C	**B12-796**	A058OD100	Straight Adapter	5/8" ODF	1"–14	**75.00**
C	**B12-797**	A078OD114	Straight Adapter	7/8" ODF	1-1/4" –12	**99.00**
C	**B12-798**	A118OD114	Straight Adapter	1-1/8" ODF	1-1/4" –12	**105.00**
C	**B12-799**	A138OD134	Straight Adapter	1-3/8" ODF	1-3/4" –12	**189.00**
C	**B13-575**	A118OD134	Stub Tube to Rotalock Adapter	1-1/8" ODF	1-3/4"-12	**135.00**
D	**B13-577**	AA034OD114	Rotalock to Stub Tube Adapter	3/4" ODF	1-1/4"-12	**135.00**
E	**B16-827**	TR034-6	16 Teflon Seal Gasket for 3/4" Valve (6-Pk.)	—	—	**22.49**
E	**B16-828**	TR100-6	14 Teflon Seal Gasket for 1" Valve (6-Pk.)	—	—	**22.49**
E	**B16-829**	TR114-6	12 Teflon Seal Gasket for 1-1/4" Valve (6-Pk.)	—	—	**22.49**
E	**B16-830**	TR134-6	12 Teflon Seal Gasket for 1-3/4" Valve (6-Pk.)	—	—	**22.49**
E	**B16-831**	TR10-12	Teflon Seal Gaskets (12-Pk.) 3 each TR034-6, TR100-6, TR114-6, and TR134-6	—	—	**33.99**

Rotalock Valve And Adapter OEM Cross Reference

Order #	Mfg. #	Rotalock Thread Conn.	Line Size Conn.
Copeland			
B12-786	998-0510-39	1-1/4" – 12	7/8" ODF
B12-788	998-0510-02	1-3/4" – 12	1-1/8" ODF
B12-789	998-0510-46	1-3/4" – 12	1-3/8" ODF
B13-573	998-0034-01	1-1/4" – 12	3/4" ODF
B13-575	998-0034-03	1-3/4" – 12	1-1/8" ODF
B13-577	998-0034-07	1-1/4" – 12	3/4" ODF
B12-797	998-0034-08	1-1/4" – 12	7/8" ODF
B12-798	998-0034-09	1-1/4" – 12	1-1/8" ODF
B12-799	998-0034-13	1-3/4" – 12	1-3/8" ODF
Bristol			
B13-013	344040	3/4" – 16	1/2" SAE
B12-784	344042	1" – 14	5/8" ODF
B12-786	344041	1-1/4" – 12	7/8" ODF

Order #	Mfg. #	Rotalock Thread Conn.	Line Size Conn.
Bristol Cont.			
B12-788	344030	1-3/4" – 12	1-1/8" ODF
B12-786	344029	1-1/4" – 12	7/8" ODF
B12-789	344033	1-3/4" – 12	1-3/8" ODF
B12-787	344035	1-1/4" – 12	1-1/8" ODF
Maneurop			
B12-783	V01*	1" – 14	1/2" ODF
B12-783	V06	1" – 14	1/2" ODF
B12-786	V09*	1-1/4" – 12	7/8" ODF
B12-785	V04	1-1/4" – 12	3/4" ODF
B12-786	V05	1-1/4" – 12	7/8" ODF
B12-788	V07*	1-3/4" – 12	1-1/8" ODF
B12-788	V02	1-3/4" – 12	1-1/8" ODF
** May require bushing down one size*			

Supco



System Safe Thread, Joint & Gasket Sealant

- Use on mini-spits, ductless systems, flare fittings, compression fittings, gaskets, schrader valves, threads and O-rings
- Compatible with all refrigerants
- Will not contaminate system
- No mess application

Order #	Mfg. #	Each
B22-431	3S	**30.99**

A-1 COMPRESSOR
A DIVISION OF ORRBILT COMPRESSORS, INC.

Carrier Semi-Hermetic Replacement Parts

- Replacement parts for Carrier Semi-Hermetic Compressors

Order #	Mfg. #	For Use With
Gasket Kits		
B21-288	6D43-172	Carrier 06D/All Models Semi Hermetic Compressors
B21-289	06EA660-071	Carrier 06E/All Semi Hermetic Compressor
B21-290	5F30-502	Carrier 5F20/5F30 Semi Hermetic Compressor
B21-291	5F60-502	Carrier 5F40/5F60 Semi Hermetic Compressor
B21-292	5H40-502	Carrier 5H40/5H60 Semi Hermetic Compressor
B21-293	5H120-502	Carrier 5H80/5H120 Semi Hermetic Compressor
Crankcase Heaters		
B21-294	HTR-0648	Carrier 06E Semi Hermetic Compressor
B21-296	HT31AZ-121	Carrier 5H40-126 Semi Hermetic Compressor
B21-297	HT31AZ-241	Carrier 5H40-126 Semi Hermetic Compressor
B21-298	06EA660-166	Carrier 06D/06E Semi Hermetic Compressor
Sight Glass Kit		
B21-300	GLS-0605	Carrier 06D/5F/05G/05K Semi Hermetic Compressor
Unloaders		
B21-301	06DA660-089	Carrier 06D Sco Semi Hermetic Compressor
B21-302	06EA660-138	Carrier 06E Sco Semi Hermetic Compressor
B21-304	06EA660-135	Carrier 06D/06E (Electric) Semi Hermetic Compressor
B21-305	06EA660-100	Carrier 06D/06E (Pressure) Semi Hermetic Compressor
Oil Pumps		
B21-308	17-40200-02	Carrier 05G/05D Semi Hermetic Compressor
B21-309	17-44137-00	Carrier 05G Semi Hermetic Compressor
B21-310	06DA660-126	Carrier 06D Semi Hermetic Compressor
B21-311	5H40-A372	Carrier 5H Semi Hermetic Compressor
B21-312	06LA660-008	Carrier 5H Semi Hermetic Compressor

Order #	Mfg. #	For Use With
B21-313	06EA660-157	Carrier 06E Semi Hermetic Compressor
Terminal Kits & Boxes		
B21-314	06DA660-045	Carrier 06D Semi Hermetic Compressor
B21-315	KIT-0601	Carrier 06E (9 Lead) Semi Hermetic Compressor
B21-316	KIT-0602	Carrier 06E (6 Lead) Semi Hermetic Compressor
B21-317	06DA660-078	Carrier 06D Semi Hermetic Compressor
B21-318	06EA660-095	Carrier 06E Semi Hermetic Comprerssor
Valve Plates		
B21-320	PLT-0698	Carrier 06CY 228/337 Semi Hermetic Compressor
B21-321	6D73-253	Carrier 06D (Hot Gas Bypass) Semi Hermetic Compressor
B21-322	5H40-120A	Carrier 5H-40 120A Semi Hermetic Compressor
B21-323	5H46-120	Carrier 5H-46 120A Semi Hermetic Compressor
B21-324	17-10601-00	Carrier 5F-20/5F-30 Semi Hermetic Compressor
B21-325	5F40-120	Carrier 5F-40/5F-60 Semi Hermetic Compressor
B21-303	06EA660-105	Carrier 06E Hot Gas By Pass Semi Hermetic Compressor
B21-326	06EA660-143	Carrier 06E Refrigeration Semi Hermetic Compressor
B21-327	06EA660-137	Carrier 06E (A/C) / 06CY Semi Hermetic Compressor
B21-328	06DA660-120/130	Carrier 06D (Med Temp / AC) Semi Hermetic Compressor
B21-329	06DA660-094	Carrier 06D (Refrigeration) Semi Hermetic Compressor
Spring Mount Kits		
B21-330	KIT-0657	Carrier 06D Semi Hermetic Compressor
B21-331	KIT-0689	Carrier 06E Semi Hermetic Compressor

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Copeland Semi-Hermetic Replacement Parts

- Replacement parts for Copeland Semi-Hermetic Compressors

Order #	Mfg. #	For Use With
Reed Valve Plates		
B21-332	998-0661-00	Copeland 4RA/6RA Valve Plate
B21-333	998-0661-06	Copeland Valve Plate (EAB,C/L/V/RAC/F
B21-334	998-0661-08	Copeland Valve Plate (9RA/9RC/9RS-7-1/2)
B21-335	998-0661-09	Copeland Valve Plate (9RB/9RJ)
B21-336	998-0661-16	Copeland K Series Valve Plate
B21-337	998-0661-17	Copeland Valve Plate (MRF/MRH)
B21-338	998-0661-23	Copeland Valve Plate (MRA)
B21-339	998-0661-37	Copeland Valve Plate (L/NR)
B21-340	998-0661-41	Copeland Valve Plate (9RS-15)
B21-341	998-0661-42	Copeland Valve Plate (KAE)
B21-342	998-0661-00	Copeland Valve Plate (4RL/6RL)
B21-343	998-0661-50	Copeland Valve Plate (MRB)
B21-344	998-0661-51	Copeland Valve Plate (6RH/4RK/6RK)
B21-345	998-0661-52	Copeland Valve Plate (4RA-20/6RA-20)
B21-346	998-0661-60	Copeland Valve Plate (4RJ/4RR/6RJ/6RR)
Discus Valve Plates		
B21-347	998-1661-27	Copeland Valve Plate (4D/6RD Std)
B21-348	998-1661-28	Copeland Valve Plate (4D/6D Unloader)
B21-349	998-1661-29	Copeland Valve Plate (2D)
B21-350	998-1661-30	Copeland Valve Plate (3D STD)
B21-351	998-1661-56	Copeland Valve Plate (3D STD) Moduload
B21-352	998-2661-27	Copeland Valve Plate(4D/6D STD Delta Reed)
B21-353	998-2661-28	Copeland Valve Plate(4D/6D Unloader Delta Reed)
B21-354	PLT-1633	Copeland Valve Plate (3D Delta Reed)
B21-355	998-2661-56	Copeland Valve Plate (3D Delta Reed Moduload)
Crankcase Heaters		
B21-356	HTR-1500	Copeland Well Type 2D/3D/4D/6D-30/35 Series 115 Volt
B21-357	HTR-1501	Copeland Well Type 2D/3D/4D/6D-30/35 Series 230 Volt
B21-295	06EA660-165	Carrier 06E Crankcase Heater
B21-359	20-4D-HTRSL	Copeland Heater Well Sleeve - 4D/6D/8D
B21-360	20-3D-HTRSL	Copeland Heater Well Sleeve - 2D/3D
Gasket Kits		
B21-361	998-0669-11/12/14	Copeland K Series Gasket Kit
B21-362	998-0669-30 / 31	Copeland E Series Gasket Kit
B21-363	998-0669-16 / 18 / 19	Copeland L Series Gasket Kit
B21-364	998-0669-23	Copeland MR Series Gasket Kit
B21-365	998-0669-37	Copeland 9R Series Gasket Kit
B21-366	998-0669-54	Copeland 4R/6R Series Gasket Kit
B21-367	998-0669-57	Copeland 4D/6Dseries Gasket Kit
B21-368	KIT-1539	Copeland 4DJ/6DJ Series Gasket Kit
B21-369	998-0669-06	Copeland 2D/Allseries Gasket Kit
B21-370	998-1669-04	Copeland 3D Series Gasket Kit
Terminal Kits		
B21-371	KIT-1570	Copeland K Series Gasket Terminal Kit
B21-372	KIT-1577	Copeland 3D Terminal Repair Kit Complete W/Block
B21-373	KIT-1598	Copeland 4R/6R/8R/4D/6D/8D Terminal Kit Complete W/Block (9 Lead)
B21-374	KIT-1597	Copeland 4R/6R/8R/4D/6D/8D Terminal Kit Complete W/Block (6 Lead)
Control Module & Oil Pumps		
B21-375	998-0008-33	Copeland Centronic Oil Pump All Series
B21-376	998-0524-00	Copeland 4R/6R/4D/6D Dual Voltage Control Module
Sight Glass Kits		
B21-377	998-0002-02	Copeland MR/9R/4R/6R Site Glass Replacement Glass
B21-378	998-0002-04	Copeland KA/EA/LA Site Glass Repair Kit
Unloader Assemblies		
B21-379	VAL-1500	Copeland Unloader Stem Only
B21-380	998-0212-02	Copeland Unloader Stem & Coil 115 Volt
B21-306	998-0212-03	Copeland Unloader Stem & Coil 230 Volt
B21-307	AMC-115	Copeland Unloader Coil Only 120 Volt
B21-383	AMC-208/230	Copeland Unloader Coil Only 230 Volt

Finny's Gasket Book

- Contains 36 of the most commonly used gaskets in the HVAC/R industry and one blank for field fabrication
- For use in most compressor suction/ discharge valve, expansion, solenoid and pump valve applications
- Klingersil 1/16" and 1/32" material replaces old gaskets on Copeland, Carrier, Tecumseh and Bitzer compressors and valves made by Superior, Mueller, Henry, Primore, Sporlan, Alco and Bell & Gosset



Order #	Mfg. #	Each
B13-595	GB10	**65.00**



A-1 COMPRESSOR
A DIVISION OF CARRIER COMPRESSORS, INC.





Carrier Semi-Hermetic Compressors

Remanufactured by A-1 Compressor

- 7-1/2 through 30 HP
- R22 medium and high temperature
- All compressors are run tested
- All units are remanufactured, not just rebuilt — all used compressors are disassembled, and any broken or damaged components are discarded
- **B92-379** through **B92-382** and **B92-891** through **B92-894** available with or without unloading

Note: Used compressor body must be exchanged at time of purchase, otherwise there will be an additional core charge.

Order #	Mfg. #	HP	Volts	Phase	Suction Conn.	Discharge Conn.	Wt. Lbs.
B92-375	06DA8186AC3200	7-1/2	208-230	3	1-1/8"	7/8"	235
B92-376	06DA8186AC3600	7-1/2	440	3	1-1/8"	7/8"	235
B92-377	06DX3286BC3200	9	208-230	3	1-3/8"	1-3/8"	310
B92-378	06DX3286BC3600	9	440	3	1-3/8"	1-3/8"	310
B92-379	06DX3376BC3200	10	208-230	3	1-3/8"	1-1/8"	300
B92-380	06DX3376BC3600	10	440	3	1-3/8"	1-1/8"	300
B92-381	06DX5376BC3200	15	208-230	3	1-3/8"	1-1/8"	310
B92-382	06DX5376BC3600	15	440	3	1-3/8"	1-1/8"	310
B92-891	06ET250 360	20	208/230-460	3	1-5/8"	1-1/8"	495
B92-892	06ET250 660	20	460	3	1-5/8"	1-1/8"	495
B92-893	06ET275 360	30	208/230-460	3	1-5/8"	1-3/8"	540
B92-894	06ET275 660	30	460	3	1-5/8"	1-3/8"	540

Why Did The Compressor Fail?

Compressors typically fail because of a system problem or other failed component. It is imperative that the problem be diagnosed and corrective measures put in place or the replacement compressor will also fail. Field examination of a failed semi-hermetic compressor will usually reveal the cause of failure and will point to the system problem.

Inspection Shows	Cause	Remedy
Worn pistons and cylinders with no evidence of overheating (air cooled compressors). Center and rear bearings worn or seized, dragging rotor/shorted stator, progressively scored crankshaft, worn or broken rods (suction cooled compressors).	Refrigerant Floodback	Correct a low load condition; check for proper superheat at the compressor; install an accumulator to protect the compressor against uncontrollable liquid return.
Worn or scored rods/bearings. Broken rods from seizure. Crankshaft worn erratically.	Flooded Starts	Check crankcase heater operation; install pumpdown solenoid.
Broken rods, reed valves or crankshaft, loose or broken valve backer bolts, blown head gasket.	Liquid and/or Oil Slugging	Check for proper superheat at the compressor; correct a low load condition; install an accumulator; install pump-down solenoid.
Discolored valve plate, burned valve reeds, worn pistons, rings and cylinders, stator spot burn from metal debris.	High Discharge Temperature	Correct a low load condition; correct any high discharge pressure conditions; insulate suction lines; provide correct compressor cooling.
All rods and bearings worn or scored, crankshaft uniformly scored, rods broken from seizure, little or no oil in crankcase.	Loss of Oil	Check oil failure switch operation; check refrigerant charge; correct low load conditions/short cycling; check pipe sizing and/or oil traps; check for inadequate defrosts.
All windings are uniformly burned.	General Burn	Check for proper voltage; check for unbalanced voltage; check for inadequate motor cooling.
Two phases of a three phase motor overheated or burned.	Single Phase Burn	Check for proper and operational motor protection, replace contactor.
Only the start winding of a single phase motor is uniformly overheated or burned.	Start Winding Burn	Check for proper wiring; check start capacitor and/or start relay; check for compressor overloading.
A localized burn within a winding, between windings, or from windings to ground.	Spot Burn	If not caused by mechanical problems, check for spikes or surges of high current flow.
Breakdown of insulation between terminals and compressor body.	Shorted Terminals	Check for over torquing of terminals.

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Copeland Semi-Hermetic Compressors

Remanufactured by A-1 Compressor

- Meets or exceeds industry standards
- All used compressors are completely disassembled, and any broken or damaged components are discarded and run tested
- Shipped with POE oil on models with "E" in model number after HP rating and alkylbenzene oil for all other; all models can be special ordered with POE oil
- Available only at participating Johnstone Supply stores
- Other units by Copeland, Carrier, Trane, Dunham-Bush and more are available by special order at participating stores

Note: Used compressor body must be exchanged with purchase, otherwise there will be an additional core charge.



Order #	Mfg. #	HP	Volts	Phase	R12 Application	R22 Application	R502 Application	Suction Conn.	Discharge Conn.	Start Capacitor	Run Capacitor	Relay	Wt. Lbs.
B81-363	KAEB-005A-IAA	1/2	115	1	M	—	—	1/2"	3/8"	G22-658	—	B10-036	85
B72-295	KAMB-007E-CAA	3/4	115	1	H	L	L	5/8"	3/8"	G33-067	G21-924	B11-873	89
B72-296	KAMB-007E-CAV	3/4	200/230	3	H	L	L	5/8"	3/8"	G22-014	G21-891	B11-873	89
B92-348	MRF2-050A-TFC	5	208-230	3	H	—	—	1-3/8"	7/8"	N/A	N/A	N/A	275
B92-349	9RB1-076A-TFC	7-1/2	208-230	3	M	—	L	1-3/8"	1-1/8"	N/A	N/A	N/A	330
B92-350	9RS3-076A-TFC	7-1/2	208-230	3	M	—	L	1-3/8"	1-1/8"	N/A	N/A	N/A	330
B92-353	9RC1-101A-TFC	10	208-230	3	—	H	M	1-3/8"	1-1/8"	N/A	N/A	N/A	350
B92-352	4RA3-100A-TSK	10	208-230/460	3	H	—	L	1-5/8"	1-1/8"	N/A	N/A	N/A	405
B92-354	9RS1-150A-TSC	15	208-230	3	—	H	M	1-3/8"	1-1/8"	N/A	N/A	N/A	370
B92-900	9RS1-150A-TFD	15	460	3	—	H	M	1-3/8"	1-1/8"	N/A	N/A	N/A	370
B92-907	4RE2-200A-TSK	20	208/230-460	3	—	H	—	1-5/8"	1-1/8"	N/A	N/A	N/A	430
B92-904	6RA4-200A-TSK	20	208/230-460	3	H	—	L	2-1/8"	1-3/8"	N/A	N/A	N/A	460
B92-357	4RK2-250A-TSK	25	208-230/460	3	—	H	—	2-1/8"	1-3/8"	N/A	N/A	N/A	445
B92-909	6RN2-300A-TSK	30	208/230-460	3	—	H	—	2-1/8"	1-3/8"	N/A	N/A	N/A	500
B92-359	6RN2-350A-TSK	35	208-230/460	3	—	H	—	2-1/8"	1-3/8"	N/A	N/A	N/A	525

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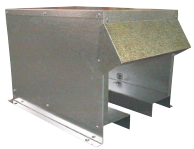
FAMCO



Condensing Unit Enclosures

- Professionally designed for easy assembly and service
- Cut-out provided for installation of refrigeration lines
- Knock-outs on two sides of enclosure to allow for different electrical connection orientation
- A 4-3/4" base height allows for good air flow in and around unit

Order #	Mfg. #	Style	Depth	Width	Height	Wt. Lbs.	Each
B92-574	CUC241814.5	Economy	24"	18"	14.5"	32	**449.00**
B92-575	CUC262218	Economy	26"	22"	18"	41	**539.00**
B92-576	CUC283722	Economy	28"	37"	22.0"	64	**709.00**
B92-890	CUC324628	Economy	32"	46"	28"	85	**849.00**

Outdoor Enclosures Cross Reference

Condensing Unit Model #	FAMCO Mfg. #
Tecumseh	
AEA0417EXAXA	CUC241814.5
AEA1336AXAXA	CUC241814.5
AEA1360AXAXA	CUC241814.5
AEA1360YXAGK	CUC241814.5
AEA1410YXAGK	CUC241814.5
AEA2380ZXAGK	CUC241814.5
AEA2410AXAXC	CUC241814.5
AEA2410YXAGK	CUC241814.5
AEA2410ZXAXC	CUC241814.5
AEA2411ZXAGK	CUC241814.5
AEA2413ZXAXC	CUC241814.5
AEA3414AXAXA	CUC241814.5
AEA3414YXAGK	CUC241814.5
AEA3417AXAXA	CUC241814.5
AEA3417YXAGK	CUC241814.5
AEA3425AXAXA	CUC241814.5
AEA3425YXAGK	CUC241814.5
AEA3430YXAGK	CUC241814.5
AEA3430YXAXA	CUC241814.5
AEA4430AXAXA	CUC241814.5
AEA4430AXAXB	CUC241814.5
AEA4430AXAXC	CUC241814.5
AEA4430YXAGK	CUC241814.5
AEA4430YXAXC	CUC241814.5
AEA4440AXAXB	CUC241814.5
AEA4440AXAXC	CUC241814.5
AEA4440AXAXL	CUC241814.5
AEA4440YXAGK	CUC241814.5
AEA4440YXAXW	CUC241814.5
AEA4448AXAXC	CUC241814.5
AEA4461AXAXB	CUC241814.5
AEA9415EXAGK	CUC241814.5
AEA9415ZXAGK	CUC241814.5
AEA9415ZXAXB	CUC241814.5
AEA9417EXAXB	CUC241814.5
AEA9417EXAXC	CUC241814.5
AEA9422EXAGK	CUC241814.5
AEA9422ZXAXB	CUC241814.5
AGA4553EXNXM	CUC324628
AGA4553EXTXM	CUC324628
AGA4563EXNXM	CUC324628
AGA4563EXTXM	CUC324628
AGA4572EXNXM	CUC324628
AGA4572EXTXM	CUC324628
AHA2435AXDXC	CUC262218
AHA2445AXDXC	CUC262218
AHA2445AXDXW	CUC262218
AHA2466AXDXC	CUC262218
AHA2466AXDXW	CUC262218
AHA2466AXFXC	CUC262218
AHA2478ZXBXC	CUC262218
AHA2478ZXFXC	CUC262218
AHA2510ZXDXC	CUC262218
AHA2510ZXFXC	CUC262218
AHA2512ZXDXM	CUC283722
AHA2512ZXFXM	CUC283722
AHA4518AXDXC	CUC262218
AHA4534EXDXM	CUC283722
AHA4534EXFXM	CUC283722
AHA7480AXDXC	CUC262218
AHA7480AXDXW	CUC262218
AHA7480AXFXC	CUC262218
AHA7480AXFXW	CUC262218
AHA7511AXFXC	CUC262218
AHA7511AXFXW	CUC262218
AHA7514AXDXC	CUC262218
AHA7514AXDXW	CUC262218
AHA7514AXFXW	CUC262218
AHB7511AXDXC	CUC262218
AHB7511AXDXW	CUC262218
AJA2422ZXAEC	CUC241814.5
AJA2422ZXAXC	CUC241814.5
AJA2424ZXDXW	CUC262218
AJA2425AXAXB	CUC241814.5
AJA2425AXDXC	CUC241814.5
AJA2429ZXAXA	CUC241814.5
AJA4461AXAXC	CUC241814.5
AJA4461AXDXC	CUC241814.5
AJA4492AXAXC	CUC241814.5
AJA4492AXCXC	CUC241814.5
AJA4492YXAXC	CUC241814.5
AJA4492YXDXC	CUC241814.5
AJA4510YXDXW	CUC241814.5
AJA4512AXDXC	CUC262218
AJA4512YXDXC	CUC262218
AJA4514YXDXW	CUC241814.5
AJA7441AXAXC	CUC241814.5
AJA7441AXAXW	CUC241814.5
AJA7441AXDXW	CUC241814.5
AJA7465AXAXW	CUC241814.5
AJA7465YXAXE	CUC241814.5
AJA7480ZXDXC	CUC262218
AJA9486EXDXC	CUC262218
AJB7465AXDXW	CUC241814.5
AKA4460YXAEE	CUC241814.5
AKA4460YXDXC	CUC241814.5
AKA4475YXAXW	CUC241814.5
AKA4475YXDXW	CUC241814.5
AKA4476YXAED	CUC241814.5
AKA4476YXAXC	CUC241814.5
AKA4476YXDXC	CUC241814.5
AKA4490YXAXW	CUC241814.5
AKA4490YXDXW	CUC241814.5
AKA7437YXAEC	CUC241814.5
AKA7437YXAXC	CUC241814.5
AKA9426YXAEC	CUC241814.5
AKA9429ZXAEC	CUC241814.5
AKA9429ZXAXC	CUC241814.5
AKA9433EXAXB	CUC241814.5
AKA9433EXAXC	CUC241814.5
AKA9433EXDXC	CUC241814.5
AKA9440ZXAXC	CUC241814.5
AKA9440ZXDXC	CUC241814.5
AKA9442ZXAXW	CUC241814.5
AKA9442ZXDXW	CUC241814.5
AKA9446EXAXC	CUC262218
AKA9457EXDXW	CUC241814.5
AKA9460ZXDXC	CUC262218
AKA9463ZXDXC	CUC262218
AKA9467ZXAXW	CUC241814.5
AKA9467ZXDXW	CUC241814.5
AKA9470EXDXC	CUC262218
AKA9476ZXDXW	CUC241814.5
AVA2512ZXNXW	CUC262218
AVA2512ZXTXW	CUC262218
AVA2515ZXGXC	CUC283722
AVA2515ZXNXC	CUC283722
AVA2515ZXTXC	CUC283722
AVA4535EXTXW	CUC283722
AVA4540EXNXM	CUC283722
AVA4540EXTXM	CUC283722
AVA7523ZXNXC	CUC283722
AVA7523ZXTXC	CUC283722
AVA9523ZXGXM	CUC283722
AVA9523ZXTXM	CUC283722
AVA9525ZXGXM	CUC283722
AVA9525ZXTXM	CUC283722
AWA2448ZXTXC	CUC262218
AWA2453ZXDXW	CUC262218
AWA2464ZXTXC	CUC262218
AWA2488ZXDXW	CUC262218
AWA2490ZXDXC	CUC283722
AWA2490ZXTXC	CUC283722
AWA7511ZXDXW	CUC262218
AWA7512ZXDXC	CUC262218
AWA7512ZXTXC	CUC262218
AWA7515ZXDXC	CUC262218
AWA7515ZXDXW	CUC262218
AWA7515ZXTXW	CUC262218
AWA9514 ZXNXM	CUC283722
AWA9514ZXTXM	CUC283722
AWA9518ZXGXM	CUC283722
AWA9518ZXNXM	CUC283722
AWA9518ZXTXM	CUC283722
AWG4516EXNXC	CUC262218
AWG4516EXTXC	CUC262218
AWG4520EXNXC	CUC262218
AWG4520EXNXW	CUC262218
AWG4520EXTXC	CUC262218
AWG4524EXNXM	CUC283722
AWG4524EXNXW	CUC262218
AWG4524EXTXM	CUC283722
AWG4524EXTXW	CUC262218
AWG4530EXNXW	CUC262218
AWG4530EXTXW	CUC262218

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Outdoor Medium Temperature Scroll Condensing Units

- Includes microchannel condenser coil
- Flooded head pressure control valve
- Liquid and Suction line service valves
- Copeland Scroll Compressor
- BtuH capacity ratings below are based on 95°F ambient and listed evaporator conditions



Order #	Mfg. #	Refrigerant	HP	Volts	Phase	BtuH Capacity @ -10°F Evap.	BtuH Capacity @ 0°F Evap.	BtuH Capacity @ 10°F Evap.	BtuH Capacity @ 20°F Evap.	BtuH Capacity @ 25°F Evap.	BtuH Capacity @ 30°F Evap.	BtuH Capacity @ 40°F Evap.
B62-370	CCH0005MBACZA0000	R448A/R449A	1/2	208-230	1	3740	4660	5830	7220	7980	8790	10480
B62-371	CCH0005MBACZA0200	R448A/R449A	1/2	208-230	1	3740	4660	5830	7220	7980	8790	10480
B62-372	CCH0005MCACZA0000	R448A/R449A	1/2	208-230	3	3740	4660	5830	7220	7980	8790	10480
B62-373	CCH0005MCACZA0200	R448A/R449A	1/2	208-230	3	3740	4660	5830	7220	7980	8790	10480
B62-384	CCH0008MBACZA0000	R448A/R449A	3/4	208-230	1	4480	5710	7020	8520	9350	10280	12370
B62-385	CCH0008MBACZA0200	R448A/R449A	3/4	208-230	1	4480	5710	7020	8520	9350	10280	12370
B62-386	CCH0008MCACZA0000	R448A/R449A	3/4	208-230	3	4480	5710	7020	8520	9350	10280	12370
B62-387	CCH0008MCACZA0200	R448A/R449A	3/4	208-230	3	4480	5710	7020	8520	9350	10280	12370
B62-388	CCH0009MBACZA0000	R448A/R449A	3/4	208-230	1	5160	6540	7890	9430	10320	11300	13590
B62-389	CCH0009MBACZA0200	R448A/R449A	3/4	208-230	1	5160	6540	7890	9430	10320	11300	13590
B62-390	CCH0009MCACZA0000	R448A/R449A	3/4	208-230	3	5160	6540	7890	9430	10320	11300	13590
B62-391	CCH0009MCACZA0200	R448A/R449A	3/4	208-230	3	5160	6540	7890	9430	10320	11300	13590
B62-398	CCH0010MBACZA0000	R448A/R449A	1	208-230	1	6200	7670	9440	11520	12690	13930	16680
B62-399	CCH0010MBACZA0200	R448A/R449A	1	208-230	1	6200	7670	9440	11520	12690	13930	16680
B62-400	CCH0010MCACZA0000	R448A/R449A	1	208-230	3	6200	7670	9440	11520	12690	13930	16680
B62-401	CCH0010MCACZA0200	R448A/R449A	1	208-230	3	6200	7670	9440	11520	12690	13930	16680
B62-402	CCH0010MDACZA0000	R448A/R449A	1	460	3	5,980	7,390	9,080	11,080	12,200	13,380	16,020
B62-403	CCH0010MDACZA0100	R448A/R449A	1	460	3	5,980	7,390	9,080	11,080	12,200	13,380	16,020
B62-414	CCH0015MBACZA0000	R448A/R449A	1-1/2	208-230	1	8710	10860	13440	16490	18230	20090	24210
B62-415	CCH0015MBACZA0200	R448A/R449A	1-1/2	208-230	1	8710	10860	13440	16490	18230	20090	24210
B62-418	CCH0015MCACZA0000	R448A/R449A	1-1/2	208-230	3	8710	10860	13440	16490	18230	20090	24210
B62-419	CCH0015MCACZA0200	R448A/R449A	1-1/2	208-230	3	8710	10860	13440	16490	18230	20090	24210
B62-420	CCH0015MDACZA0000	R448A/R449A	1-1/2	460	3	8,410	10,470	12,950	15,900	17,540	19,340	23,300
B62-421	CCH0015MDACZA0100	R448A/R449A	1-1/2	460	3	8,410	10,470	12,950	15,900	17,540	19,340	23,300
B62-428	CCH0020MBACZA0000	R448A/R449A	2	208-230	1	10390	12920	15930	19510	21520	23670	28390
B62-429	CCH0020MBACZA0200	R448A/R449A	2	208-230	1	10390	12920	15930	19510	21520	23670	28390
B62-432	CCH0020MCACZA0000	R448A/R449A	2	208-230	3	10390	12920	15930	19510	21520	23670	28390
B62-433	CCH0020MCACZA0200	R448A/R449A	2	208-230	3	10390	12920	15930	19510	21520	23670	28390
B62-434	CCH0020MDACZA0000	R448A/R449A	2	460	3	10,030	12,450	15,340	18,770	20,700	22,770	27,300
B62-435	CCH0020MDACZA0100	R448A/R449A	2	460	3	10,030	12,450	15,340	18,770	20,700	22,770	27,300
B62-454	CCH0025MBACZA0000	R448A/R449A	2-1/2	208-230	1	11560	14330	17650	21570	23780	26160	31330
B62-455	CCH0025MBACZA0100	R448A/R449A	2-1/2	208-230	1	11560	14330	17650	21570	23780	26160	31330
B62-458	CCH0025MCACZA0000	R448A/R449A	2-1/2	208-230	3	11560	14330	17650	21570	23780	26160	31330
B62-459	CCH0025MCACZA0100	R448A/R449A	2-1/2	208-230	3	11560	14330	17650	21570	23780	26160	31330
B62-460	CCH0025MDACZA0000	R448A/R449A	2-1/2	460	3	11,160	13,800	16,990	20,740	22,860	25,170	30,100
B62-461	CCH0025MDACZA0100	R448A/R449A	2-1/2	460	3	11,160	13,800	16,990	20,740	22,860	25,170	30,100
B62-470	CCH0030MBACZA0000	R448A/R449A	3	208-230	1	15840	19780	24510	30080	33150	36480	43740
B62-471	CCH0030MBACZA0100	R448A/R449A	3	208-230	1	15840	19780	24510	30080	33150	36480	43740
B62-474	CCH0030MCACZA0000	R448A/R449A	3	208-230	3	15840	19780	24510	30080	33150	36480	43740
B62-475	CCH0030MCACZA0100	R448A/R449A	3	208-230	3	15840	19780	24510	30080	33150	36480	43740
B62-478	CCH0030MDACZA0000	R448A/R449A	3	460	3	15,300	19,080	23,610	28,950	31,930	35,080	42,040
B62-479	CCH0030MDACZA0100	R448A/R449A	3	460	3	15,300	19,080	23,610	28,950	31,930	35,080	42,040
B62-498	CCH0035MBACZA0000	R448A/R449A	3-1/2	208-230	1	17510	21850	27050	33130	36550	40210	48200
B62-499	CCH0035MBACZA0100	R448A/R449A	3-1/2	208-230	1	17510	21850	27050	33130	36550	40210	48200
B62-500	CCH0035MCACZA0000	R448A/R449A	3-1/2	208-230	3	17510	21850	27050	33130	36550	40210	48200
B62-501	CCH0035MCACZA0100	R448A/R449A	3-1/2	208-230	3	17510	21850	27050	33130	36550	40210	48200
B62-502	CCH0035MDACZA0000	R448A/R449A	3-1/2	460	3	16,910	21,070	26,050	31,880	35,160	38,660	46,320
B62-503	CCH0035MDACZA0100	R448A/R449A	3-1/2	460	3	16,910	21,070	26,050	31,880	35,160	38,660	46,320
B62-510	CCH0045MBACZA0000	R448A/R449A	4-1/2	208-230	1	19770	24620	30400	37250	41090	45210	54280
B62-511	CCH0045MBACZA0100	R448A/R449A	4-1/2	208-230	1	19770	24620	30400	37250	41090	45210	54280
B62-512	CCH0045MCACZA0000	R448A/R449A	4-1/2	208-230	3	19770	24620	30400	37250	41090	45210	54280
B62-513	CCH0045MCACZA0100	R448A/R449A	4-1/2	208-230	3	19770	24620	30400	37250	41090	45210	54280
B62-514	CCH0045MDACZA0000	R448A/R449A	4-1/2	460	3	19,090	23,720	29,260	35,820	39,500	43,440	52,140
B62-515	CCH0045MDACZA0100	R448A/R449A	4-1/2	460	3	19,090	23,720	29,260	35,820	39,500	43,440	52,140
B62-516	CCH0050MBACZA0000	R448A/R449A	5	208-230	1	21620	26890	33160	40470	44540	48880	58310
B62-517	CCH0050MBACZA0100	R448A/R449A	5	208-230	1	21620	26890	33160	40470	44540	48880	58310
B62-518	CCH0050MCACZA0000	R448A/R449A	5	208-230	3	21620	26890	33160	40470	44540	48880	58310
B62-519	CCH0050MCACZA0100	R448A/R449A	5	208-230	3	21620	26890	33160	40470	44540	48880	58310
B62-520	CCH0050MDACZA0000	R448A/R449A	5	460	3	20,870	25,900	31,900	38,900	42,790	46,940	55,960
B62-521	CCH0050MDACZA0100	R448A/R449A	5	460	3	20,870	25,900	31,900	38,900	42,790	46,940	55,960
B62-528	CCH0055MBACZA0000	R448A/R449A	5-1/2	208-230	1	24300	29580	35670	42650	46560	50510	59360
B62-529	CCH0055MBACZA0100	R448A/R449A	5-1/2	208-230	1	24300	29580	35670	42650	46560	50510	59360

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Order #	Mfg. #	Refrigerant	HP	Volts	Phase	BtuH Capacity @ -10°F Evap.	BtuH Capacity @ 0°F Evap.	BtuH Capacity @ 10°F Evap.	BtuH Capacity @ 20°F Evap.	BtuH Capacity @ 25°F Evap.	BtuH Capacity @ 30°F Evap.	BtuH Capacity @ 40°F Evap.
B62-530	CCH0055MCACZA0000	R448A/R449A	5-1/2	208-230	3	24300	29580	35670	42650	46560	50510	59360
B62-531	CCH0055MCACZA0100	R448A/R449A	5-1/2	208-230	3	24300	29580	35670	42650	46560	50510	59360
B62-532	CCH0055MDACZA0000	R448A/R449A	5-1/2	460	3	23,340	28,380	34,230	40,930	44,620	48,570	56,980
B62-533	CCH0055MDACZA0100	R448A/R449A	5-1/2	460	3	23,340	28,380	34,230	40,930	44,620	48,570	56,980
B62-538	CCH0060MCACZA0000	R448A/R449A	6	208-230	3	28740	34740	41660	49520	53990	58660	68420
B62-539	CCH0060MCACZA0300	R448A/R449A	6	208-230	3	28740	34740	41660	49520	53990	58660	68420
B62-540	CCH0060MDACZA0000	R448A/R449A	6	460	3	27,620	33,350	39,970	47,550	51,800	56,280	65,650
B62-541	CCH0060MDACZA0100	R448A/R449A	6	460	3	27,620	33,350	39,970	47,550	51,800	56,280	65,650

Additional Specifications

Order #	Mfg. #	Compressor #	Min. Circuit Amps	Suction Conn.	Liquid Conn.	Pressure Control	Receiver Capacity Lbs.	Length	Width	Height	Wt. Lbs.
B62-370	CCH0005MBACZA0000	ZB06KAE-PFV	15	5/8" ODF	3/8" ODF	Low & High	9	28.25	24.625	19.75	167
B62-371	CCH0005MBACZA0200	ZB06KAE-PFV	20	5/8" ODF	3/8" ODF	Low & High	9	28.25	24.625	19.75	167
B62-372	CCH0005MCACZA0000	ZB06KAE-TF5	15	5/8" ODF	3/8" ODF	Low & High	9	28.25	24.625	19.75	167
B62-373	CCH0005MCACZA0200	ZB06KAE-TF5	20	5/8" ODF	3/8" ODF	Low & High	9	28.25	24.625	19.75	167
B62-384	CCH0008MBACZA0000	ZB07KAE-PFV	15	5/8" ODF	3/8" ODF	Low & High	9	28.25	24.625	19.75	168
B62-385	CCH0008MBACZA0200	ZB07KAE-PFV	20	5/8" ODF	3/8" ODF	Low & High	9	28.25	24.625	19.75	168
B62-386	CCH0008MCACZA0000	ZB07KAE-TF5	15	5/8" ODF	3/8" ODF	Low & High	9	28.25	24.625	19.75	168
B62-387	CCH0008MCACZA0200	ZB07KAE-TF5	20	5/8" ODF	3/8" ODF	Low & High	9	28.25	24.625	19.75	168
B62-388	CCH0009MBACZA0000	ZB08KAE-PFV	15	5/8" ODF	3/8" ODF	Low & High	9	28.25	24.625	19.75	168
B62-389	CCH0009MBACZA0200	ZB08KAE-PFV	20	5/8" ODF	3/8" ODF	Low & High	9	28.25	24.625	19.75	168
B62-390	CCH0009MCACZA0000	ZB08KAE-TF5	15	5/8" ODF	3/8" ODF	Low & High	9	28.25	24.625	19.75	168
B62-391	CCH0009MCACZA0200	ZB08KAE-TF5	20	5/8" ODF	3/8" ODF	Low & High	9	28.25	24.625	19.75	168
B62-398	CCH0010MBACZA0000	ZS09KAE-PFV	15	5/8" ODF	3/8" ODF	Low & High	9	28.25	24.625	19.75	179
B62-399	CCH0010MBACZA0200	ZS09KAE-PFV	20	5/8" ODF	3/8" ODF	Low & High	9	28.25	24.625	19.75	179
B62-400	CCH0010MCACZA0000	ZS09KAE-TF5	15	5/8" ODF	3/8" ODF	Low & High	9	28.25	24.625	19.75	179
B62-401	CCH0010MCACZA0200	ZS09KAE-TF5	20	5/8" ODF	3/8" ODF	Low & High	9	28.25	24.625	19.75	179
B62-402	CCH0010MDACZA0000	ZS09KAE-TFD	15	5/8" ODF	3/8" ODF	Low & High	9	28.25	24.625	19.75	179
B62-403	CCH0010MDACZA0100	ZS09KAE-TFD	15	5/8" ODF	3/8" ODF	Low & High	9	28.25	24.625	19.75	179
B62-414	CCH0015MBACZA0000	ZS13KAE-PFV	15	7/8" ODF	1/2" ODF	Low & High	14	28.25	39.125	19.75	221
B62-415	CCH0015MBACZA0200	ZS13KAE-PFV	37.5	7/8" ODF	1/2" ODF	Low & High	14	28.25	39.125	19.75	221
B62-418	CCH0015MCACZA0000	ZS13KAE-TF5	15	7/8" ODF	1/2" ODF	Low & High	14	28.25	39.125	19.75	221
B62-419	CCH0015MCACZA0200	ZS13KAE-TF5	28.8	7/8" ODF	1/2" ODF	Low & High	14	28.25	39.125	19.75	221
B62-420	CCH0015MDACZA0000	ZS13KAE-TFD	15	7/8" ODF	1/2" ODF	Low & High	14	28.25	39.125	19.75	221
B62-421	CCH0015MDACZA0100	ZS13KAE-TFD	15	7/8" ODF	1/2" ODF	Low & High	14	28.25	39.125	19.75	221
B62-428	CCH0020MBACZA0000	ZS15KAE-PFV	20	7/8" ODF	1/2" ODF	Low & High	14	28.25	39.125	19.75	221
B62-429	CCH0020MBACZA0200	ZS15KAE-PFV	37.5	7/8" ODF	1/2" ODF	Low & High	14	28.25	39.125	19.75	221
B62-432	CCH0020MCACZA0000	ZS15KAE-TF5	15	7/8" ODF	1/2" ODF	Low & High	14	28.25	39.125	19.75	221
B62-433	CCH0020MCACZA0200	ZS15KAE-TF5	28.8	7/8" ODF	1/2" ODF	Low & High	14	28.25	39.125	19.75	221
B62-434	CCH0020MDACZA0000	ZS15KAE-TFD	15	7/8" ODF	1/2" ODF	Low & High	14	28.25	39.125	19.75	221
B62-435	CCH0020MDACZA0100	ZS15KAE-TFD	15	7/8" ODF	1/2" ODF	Low & High	14	28.25	39.125	19.75	221
B62-454	CCH0025MBACZA0000	ZS19KAE-PFV	21.2	7/8" ODF	1/2" ODF	Low & High	14	28.25	39.125	19.75	230
B62-455	CCH0025MBACZA0100	ZS19KAE-PFV	21.2	7/8" ODF	1/2" ODF	Low & High	14	28.25	39.125	19.75	230
B62-458	CCH0025MCACZA0000	ZS19KAE-TF5	20	7/8" ODF	1/2" ODF	Low & High	14	28.25	39.125	19.75	230
B62-459	CCH0025MCACZA0100	ZS19KAE-TF5	20	7/8" ODF	1/2" ODF	Low & High	14	28.25	39.125	19.75	230
B62-460	CCH0025MDACZA0000	ZS19KAE-TFD	15	7/8" ODF	1/2" ODF	Low & High	14	28.25	39.125	19.75	230
B62-461	CCH0025MDACZA0100	ZS19KAE-TFD	15	7/8" ODF	1/2" ODF	Low & High	14	28.25	39.125	19.75	230
B62-470	CCH0030MBACZA0000	ZS21KAE-PFV	29.5	7/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	297
B62-471	CCH0030MBACZA0100	ZS21KAE-PFV	29.5	7/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	297
B62-474	CCH0030MCACZA0000	ZS21KAE-TF5	20.6	7/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	297
B62-475	CCH0030MCACZA0100	ZS21KAE-TF5	20.6	7/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	297
B62-478	CCH0030MDACZA0000	ZS21KAE-TFD	15	7/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	297
B62-479	CCH0030MDACZA0100	ZS21KAE-TFD	15	7/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	297
B62-498	CCH0035MBACZA0000	ZS26KAE-PFV	29.9	7/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	300
B62-499	CCH0035MBACZA0100	ZS26KAE-PFV	29.9	7/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	300
B62-500	CCH0035MCACZA0000	ZS26KAE-TF5	20.9	7/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	300
B62-501	CCH0035MCACZA0100	ZS26KAE-TF5	20.9	7/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	300
B62-502	CCH0035MDACZA0000	ZS26KAE-TFD	15	7/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	300
B62-503	CCH0035MDACZA0100	ZS26KAE-TFD	15	7/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	300
B62-510	CCH0045MBACZA0000	ZS29KAE-PFV	32.7	1-1/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	327
B62-511	CCH0045MBACZA0100	ZS29KAE-PFV	32.7	1-1/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	327
B62-512	CCH0045MCACZA0000	ZS29KAE-TF5	26.5	1-1/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	327
B62-513	CCH0045MCACZA0100	ZS29KAE-TF5	26.5	1-1/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	327
B62-514	CCH0045MDACZA0000	ZS29KAE-TFD	15	1-1/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	327
B62-515	CCH0045MDACZA0100	ZS29KAE-TFD	15	1-1/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	327

continued on next page

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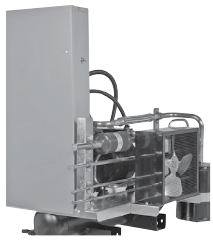
Order #	Mfg. #	Compressor #	Min. Circuit Amps	Suction Conn.	Liquid Conn.	Pressure Control	Receiver Capacity Lbs.	Length	Width	Height	Wt. Lbs.
B62-516	CCH0050MBACZA0000	ZS33KAE-PFV	32.3	1-1/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	330
B62-517	CCH0050MBACZA0100	ZS33KAE-PFV	32.3	1-1/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	330
B62-518	CCH0050MCACZA0000	ZS33KAE-TF5	28.5	1-1/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	330
B62-519	CCH0050MCACZA0100	ZS33KAE-TF5	28.5	1-1/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	330
B62-520	CCH0050MDACZA0000	ZS33KAE-TFD	15	1-1/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	330
B62-521	CCH0050MDACZA0100	ZS33KAE-TFD	15	1-1/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	330
B62-528	CCH0055MBACZA0000	ZS38K4E-PFV	39.2	1-1/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	332
B62-529	CCH0055MBACZA0100	ZS38K4E-PFV	39.2	1-1/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	332
B62-530	CCH0055MCACZA0000	ZS38K4E-TF5	27.5	1-1/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	332
B62-531	CCH0055MCACZA0100	ZS38K4E-TF5	27.5	1-1/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	332
B62-532	CCH0055MDACZA0000	ZS38K4E-TFD	15	1-1/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	332
B62-533	CCH0055MDACZA0100	ZS38K4E-TFD	15	1-1/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	332
B62-538	CCH0060MCACZA0000	ZS45K4E-TF5	30.3	1-1/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	335
B62-539	CCH0060MCACZA0300	ZS45K4E-TF5	40.3	1-1/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	335
B62-540	CCH0060MDACZA0000	ZS45K4E-TFD	15	1-1/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	335
B62-541	CCH0060MDACZA0100	ZS45K4E-TFD	15	1-1/8" ODF	1/2" ODF	Low & High	20	30.25	43.875	29.25	335

Johnstone Supply is a full-line Climate Control Distributor. The items featured below, along with a wide range of additional products, are available at participating Johnstone Supply stores.


Air-Cooled Condensers


Fluid Coolers


Indoor Remote Compressor Units


Indoor Semi-Hermetic Water-Cooled Condensing Units


CDD Outdoor Dual Discus Condensing Units from 300,000 to 800,000 BtuH


Warehouse Unit Coolers

Heatcraft OEM parts are available for Bohn, Larkin, Chandler and Climate Control equipment.

Mini-Split Selector
Quick • Accurate • Easy

Quick
Real-time pricing and availability

Accurate
Single-zone or multi-zone system matches

Easy
Effortless indoor style selection and identification

Click Here to Try it Today



KR PRODUCTS



Water Chiller Refrigeration Units

- Fully assembled and factory charged
- Service water/glycol temperature range: +28°F to +120°F
- Small footprint; compact size; stainless steel plate heat exchanger
- Dual pump system and multi-zone capable
- Corrosion resistant GU-90 galvanized steel cabinet
- Digital temperature control with low ambient protection
- Includes flow switch, high/low pressure control and time delay
- Packaged chillers available with factory installed tank and recirculation pump
- Available up to 20 ton; 12 ton and up by special order

Order #	Mfg. #	Tons	Volts	Phase	Min. Circuit Amps	Max. Fuse Size	Inlet Conn.	Outlet Conn.	Length	Width	Height	Shipping Wt. Lbs.
B96-720	WCDCR221	2	230	1	21.5	35	1 NPT	1 NPT	54.25"	28.25"	39.5"	368
B96-721	WCDCR223	2	230	3	14.37	20	1 NPT	1 NPT	54.25"	28.25"	39.5"	358
B96-722	WCDCR243	2	460	3	7.58	15	1 NPT	1 NPT	54.25"	28.25"	39.5"	355
B96-723	WCDCR321	3	230	1	30	50	1 NPT	1 NPT	54.25"	28.25"	39.5"	409
B96-724	WCDCR323	3	230	3	20.12	30	1 NPT	1 NPT	54.25"	28.25"	39.5"	396
B96-725	WCDCR343	3	460	3	9.45	15	1 NPT	1 NPT	54.25	28.25"	39.5"	396
B96-726	WCDCR421	4	230	1	37.75	60	1 NPT	1 NPT	54.25"	28.25"	39.5"	399
B96-727	WCDCR423	4	230	3	24.12	40	1 NPT	1 NPT	54.25"	28.25"	39.5"	489
B96-728	WCDCR443	4	460	3	11.45	15	1 NPT	1 NPT	54.25"	28.25"	39.5"	486
B96-729	WCDCR521	5	230	1	41.62	60	1 NPT	1 NPT	54.25"	28.25"	39.5"	519
B96-730	WCDCR523	5	230	3	27	45	1 NPT	1 NPT	54.25"	28.25"	39.5"	509
B96-731	WCDCR543	5	460	3	13.58	20	1 NPT	1 NPT	54.25"	28.25"	39.5"	506
B96-732	WCDCR7.523	7.5	230	3	41.9	60	1 NPT	1 NPT	63"	36.5"	49.25"	735
B96-733	WCDCR7.543	7.5	460	3	21.1	35	1 NPT	1 NPT	63"	36.5"	49.25"	747
B96-734	WCDCR1023	10	230	3	53.6	90	1 NPT	1 NPT	63"	36.5"	49.25"	792
B96-735	WCDCR1043	10	460	3	26.9	45	1 NPT	1 NPT	63"	36.5"	49.25"	804

Unit Selection Chart (Nominal Tons)

		GPM													
TD	Mixture	2	4	6	8	10	12	14	16	18	20	22	24	36	40
5°	100% Water	—	—	2	2	3	3	3	4	4	5	5	5	7.5	10
10°	100% Water	—	2	3	4	5	5	7.5	7.5	7.5	10	10	10	—	—
15°	100% Water	2	3	4	5	7.5	7.5	10	10	12	—	—	—	—	—
20°	100% Water	2	4	5	7.5	10	10	12	—	—	—	—	—	—	—
25°	100% Water	3	5	7.5	10	12	—	—	—	—	—	—	—	—	—
5°	50% Glycol	—	—	2	2	3	3	4	4	5	5	7.5	7.5	10	12
10°	50% Glycol	—	2	3	4	5	7.5	7.5	7.5	10	10	12	12	—	—
15°	50% Glycol	2	3	5	7.5	7.5	10	10	12	—	—	—	—	—	—
20°	50% Glycol	2	4	7.5	10	10	12	—	—	—	—	—	—	—	—
25°	50% Glycol	3	5	7.5	10	12	—	—	—	—	—	—	—	—	—

amcot



Fiberglass Cooling Towers

- Rugged, non-rusting fiberglass construction
- Aerodynamically designed propeller type fan blades used to conserve power and assure quiet operation
- Circular design permits maximum air intake regardless of wind direction
- Honeycomb heat embossed PVC fill material
- Lightweight and compact
- Larger models available upon request
- Nominal tons and nominal water flow are rated at hot water temperature of 95°F, cold water temperature of 85°F and wet bulb at 78°F
- Call Amcot to verify capacities at other temperature ratings

Order #	Mfg. #	Nom. Tons	Motor HP	CFM	Nom. Water Flow	Height	Diam.	Wt. Lbs.
B93-050	ST-H-5	3	1/6	2,118	15 GPM	61.25"	29.5"	128
B93-051	ST-H-8	5	1/6	2,620	23 GPM	72.25"	34"	150
B93-052	ST-H-10	7	1/4	3,500	30 GPM	72.25"	34"	161
B93-053	ST-H-15	10	1/4	4,767	44 GPM	82"	47.75"	216
B93-054	ST-H-20	13	1/2	6,356	58 GPM	83"	47.75"	238
B93-055	ST-25	17	3/4	7,000	50 GPM	71"	54"	262
B93-056	ST-30	20	1	8,100	61 GPM	68"	62"	288
B93-057	ST-40	28	1-1/2	9,800	83 GPM	75"	72"	404
B93-058	ST-50	35	1-1/2	11,500	105 GPM	75"	79"	470
B93-059	ST-60	42	1-1/2	14,700	125 GPM	75"	79"	549
B93-060	ST-70	48	1-1/2	17,500	145 GPM	80"	86"	655
B93-061	ST-80	56	2	18,900	168 GPM	80"	86"	687

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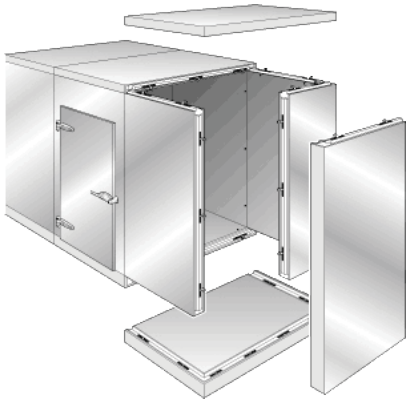
Complete Walk-Ins: Custom Sizes at Standard Prices

- Walk-in coolers & freezers
- Nominal sizes basic walk-ins
- Custom, space-maximizing designs
- High quality foamed in-place construction
- Variety of finishes & colors
- Indoor & outdoor applications
- Regional facilities for best shipping speed & cost



Framed Floors

- New installs or OEM Replacement
- For added strength against wear & sag
- Lift truck, pallet jack, hand truck loads

Replacement Swing & Sliding Doors



- OEM Replacement or New Install in solid panel
- Powered or Manual (Sliding Doors)
- Custom sizes, up to 12x12 feet on Sliding Doors
  - larger available on request
- Added-strength frames available
- Easy installation & on-site adjustments
- Easily replaced heater cable & gasket
- Heavy-duty, self-closing hinges
- Choice of locking or no-lock latches
- Safety latches in multiple styles
- Heater cable, windows, & other styles available

ArticTemp
WALK-IN COOLERS & FREEZERS

Strip Curtain

KASON

- Each Strip is 6" wide, 0.06" thick
- 50% overlap
- Strips equipped with Kason cleats, which slide into the easimount
- Flush wall mount, with 1" overlap on either side for standard 36" door openings
- Curtain strips rated for medium and low temp applications



Order #	Mfg. #	Description	Each
G80-937	75-0093	Strip Curtain 38" x 84" Kit Rated for Low Temperature (With Brackets and Strips)	**369.00**
G37-326	75-0094	Replacement Strip 84" for G80-937	**65.00**

Incandescent Vaportight Fixtures

TEDDICO ELECTRICAL PRODUCTS | BWF

- For use in severe service areas where extreme conditions prevail
- Vapor proof construction is designed to protect interior of fixture from deteriorating effects of sleet, ice, corrosive fumes, non-explosive vapors and other harmful factors
- Fabricated of rugged cast aluminum and zinc
- Fully enclosed and gasketed
- **G32-183** has cast guard for protection against breakage in high traffic areas



A



B

Fig.	Order #	Mfg. #	Description	Max. Watts	Each
A	**G32-184**	VPXG-11L	Clear Lexan® Globe without Guard	75	**59.00**
B	**G32-183**	VPXG-11CG	Glass Globe with Cast Guard	100	**65.00**
—	**G32-186**	VPGLL-01	Replacement Lexan® Globe	75	**36.49**
—	**G32-185**	VPGL-01	Replacement Glass Globe	100	**29.49**
—	**G32-187**	VPCG	Replacement Cast Guard	100	**38.99**

KASON

Refrigeration Cabinet Hardware

- Commonly used replacement hinges, strikes and latches used in walk-in coolers and reach-in cooler



Order #	Mfg. #	Description	OEM Replacement for	For Use with Johnstone #	Each
G37-305	75-0074	Reach In Edgemount Latch	1720	—	169.00
G37-306	75-0101	Reach In Lift Off Hinge (Reversible)	1367	—	95.00
G37-307	75-0092	Nylon Cam (2PK)	1467	—	11.49
G37-308	75-0043	Reach-In Spring Cartridge (Reversible Assembly)	1556	—	115.00
G37-309	75-0006	Hydraulic Door Closer (Exposed Mounting)	1094	—	385.00
G37-310	75-0008	Flush Hook for G37-309	1094	G37-309	75.00
G37-311	75-0009	1-1/8" Offset Hook for G37-309	1094	G37-309	75.00
G37-313	75-0065	Walk In Cooler Latch (Body Only/no lock)	58 Series	—	279.00
G37-314	75-0174	Roller Strike for G37-313 (Flush Mount)	59 Series	G37-313	119.00
G37-315	75-0015	Glow In Dark Release Handle 4"	481C	—	65.00
G37-316	75-0016	Glow In Dark Release Handle 6"	481C	—	65.00
G37-317	75-0077	Walk In Cooler Cam Rise Hinge- Flush (Reversible Cam)	1245 Series	—	205.00
G37-318	75-0103	Long Strap Walk In Cooler Hinge (Reversible Cam)	1256 Series	—	365.00
G37-319	75-0241	Shelf Support 60" Long	—	—	41.99
G37-320	75-0244	Shelf Support Clip (4PC)	6600	—	16.49
G37-322	75-0097	1/8" Drill Bit for Drilling Stainless Steel (3PK)	6720	—	21.49
G37-323	75-0096	3/16" Drill Bit for Drilling Stainless Steel (3PK)	6720	—	22.49
G37-324	75-0066	Lexan Globe for Light Fixture (Universal Fit)	1803 Series	—	38.99
G37-325	75-0011	Heavy Duty Door Closer	1097 Series	—	2099.00
G37-327	74-0015	Generic Door Sweep 36" (Universal mount)	—	—	95.00
G37-328	75-0025	Surface Mount LED Fixture 14.4 Watts	1808 Series	—	945.00
G37-665	74-0016	Generic Door Sweep 48" (Universal mount)	—	—	125.00
G37-329	75-0050	Reach In Self Closing Hinge 7/8" Offset	2180 Series	—	125.00
G38-482	74-0256	115V, 8ohm, 230" Fiberglass Heater Wire, 18" Leads	—	—	99.00
G38-483	75-0201	Wide Cup Recessed Indside Release - 6"	486C Series	—	195.00
G38-484	75-0151	Spring Powered Walk-In-Cooler Door Hinge - Flush	1248 Series	—	325.00
G38-485	75-0085	Spring Powered Walk-In-Cooler Door Hinge - 1-3/8" Offset	1249 Series	—	325.00
G38-486	75-0153	Spring Powered Walk-In-Cooler Door Hinge - 1-5/8" Offset	1250 Series	—	325.00
G38-487	75-0012	Spring Powered Door Closer	1095 Series	—	415.00
G38-488	75-0170	Hydraulic Door Closer - Flush To 3/4" Offset	1092 Series	—	339.00
G38-489	75-0171	Hydraulic Door Closer - 7/8 To 1-5/8" Offset	1093 Series	—	339.00
G38-490	75-0070	Heavy Duty Walk-In-Cooler Door Latch	56 Series	—	775.00
G38-491	75-0069	Heavy Duty Strike For Walk-In-Cooler	56 Series	—	299.00

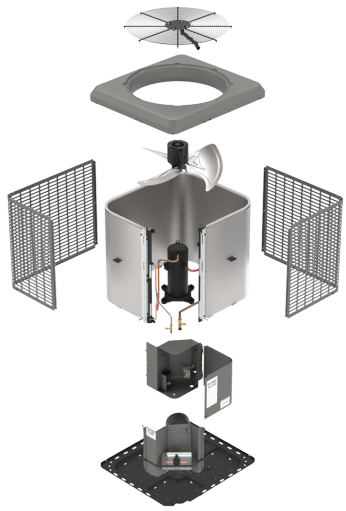
MODEL to PART

Critical Parts When You Need Them

+ Now Added: Trane, Carrier, ICP, and American Standard
+ Featuring Mini-Splits, Residential & Commercial HVAC Equipment
+ Thousands of Original, Aftermarket & Universal Part Options
+ Real-Time Pricing & Availability

Try it Today

Note: Must have a Johnstone Supply account



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Anthony Refrigeration Cabinet Parts

- Commonly used replacement parts used in walk-in coolers and reach-in coolers



Order #	Mfg. #	Description	Each
G38-492	02-10568-0003	Silver Reversible Torque Master - January 1987 To Present	**99.00**
G38-493	02-10568-0001	Black Reversible Torque Master - January 1987 To Present	**99.00**
G38-494	02-10308-0007	Torque Rod With Hex Base, W: 5/16", L: 29", 1989 To Present	**119.00**
G38-495	15-14707-0001	Hold Open Arm Only - 95 To Present Surface Mount	**46.99**
G38-496	02-14649-0001	Hold Open Fork Assembly 95 To Present Surface Mount	**149.00**
G38-497	60-10847-0003	Hinge Pin W/3 Electrical Leads	**155.00**
G38-498	60-10847-0004	Hinge Pin W/3 Electrical Leads	**155.00**
G38-499	02-10308-0003	Torque Rod With Hex Base, W: 5/16", L: 18", 1989 To Present	**119.00**
G38-500	60-12376-0001	Left Connector Single Station Socket /Electrical Hinge Pin Receptacle	**99.00**
G38-501	60-12376-0002	Right Connector Single Station Socket /Electrical Hinge Pin Receptacle	**99.00**
G38-502	60-12377-0001	Dual Connector Station Socket-Electrical Hinge Pin Receptacle	**99.00**



REFRIGERATION EQUIPMENT
Quick Selection Guide for BtuH Load

Dimensions in Feet	Floor Sq. Ft.	+35° F. Avg. Usage	+35° F. Hvy. Usage	0° F. Avg. Usage	0° F. Hvy. Usage	-10° F. Avg. Usage	-10° F. Hvy. Usage	-20° F. Avg. Usage	-20° F. Hvy. Usage
6 x 6 x 8	36	4,750	6,389	4,583	6,505	4,929	7,041	5,274	7,577
6 x 8 x 8	48	5,417	7,274	5,225	7,407	5,630	8,028	6,034	8,648
6 x 10 x 8	60	6,055	8,100	5,806	8,213	6,265	8,911	6,725	9,609
8 x 8 x 8	64	6,188	8,291	5,934	8,410	6,405	9,127	6,876	9,844
8 x 10 x 8	80	6,954	9,269	6,631	9,363	7,165	10,169	7,699	10,974
8 x 12 x 8	96	7,669	10,174	7,273	10,234	7,867	11,123	8,461	12,011
8 x 14 x 8	112	8,366	11,045	7,922	11,092	8,575	12,059	9,227	13,026
8 x 16 x 8	128	9,051	11,888	8,528	11,890	9,237	12,933	9,946	13,976
8 x 18 x 8	144	9,748	12,732	9,169	12,732	9,936	13,852	10,702	14,972
8 x 20 x 8	160	10,419	13,548	9,755	13,490	10,576	14,682	11,397	15,874
8 x 22 x 8	176	11,540	14,807	10,817	14,715	11,692	15,977	12,567	17,239
8 x 24 x 8	192	12,224	15,622	11,386	15,439	12,314	16,769	13,242	18,099
8 x 26 x 8	208	12,874	16,398	11,976	16,176	12,955	17,573	13,935	18,970
8 x 28 x 8	224	13,519	17,163	12,530	16,873	13,562	18,336	14,594	19,799
8 x 30 x 8	240	14,187	17,947	13,108	17,587	14,191	19,115	15,274	20,642
8 x 32 x 8	256	14,824	18,694	13,653	18,264	14,786	19,855	15,920	21,446
10 x 10 x 8	100	7,789	10,339	7,386	10,401	7,990	11,304	8,594	12,208
10 x 12 x 8	120	8,626	11,385	8,138	11,405	8,809	12,401	9,481	13,397
10 x 14 x 8	140	9,439	12,384	8,887	12,405	9,626	13,493	10,365	14,581
10 x 16 x 8	160	10,250	13,379	9,577	13,311	10,379	14,484	11,182	15,658
10 x 18 x 8	180	11,049	14,349	10,279	14,216	11,144	15,472	12,009	16,728
10 x 20 x 8	200	11,838	15,299	10,942	15,070	11,868	16,405	12,794	17,741
10 x 24 x 8	240	13,391	17,180	12,751	17,231	13,796	18,721	14,842	20,211
10 x 28 x 8	280	14,891	19,822	14,043	18,844	15,205	20,482	16,367	22,120
12 x 12 x 8	144	10,038	13,021	8,991	12,553	9,739	13,655	10,486	14,756
12 x 14 x 8	168	10,956	14,155	10,235	14,052	11,055	15,251	11,875	16,450
12 x 16 x 8	192	11,886	15,284	11,029	15,082	11,919	16,375	12,810	17,667
12 x 18 x 8	216	12,775	16,359	11,807	16,080	12,767	17,464	13,726	18,847
12 x 20 x 8	240	13,681	17,440	12,573	17,052	13,599	18,524	14,626	19,995
12 x 22 x 8	264	14,549	18,474	13,299	17,974	14,392	19,541	15,485	21,088
14 x 14 x 8	196	11,993	15,423	11,126	15,216	12,024	16,521	12,923	17,826
14 x 16 x 8	224	13,013	16,656	11,995	16,338	12,971	17,745	13,946	19,152
14 x 20 x 8	280	15,011	19,042	13,687	18,487	14,811	20,088	15,935	21,688
14 x 24 x 8	336	16,969	21,347	15,330	20,539	16,598	22,324	17,866	24,110
16 x 16 x 8	256	14,148	18,019	12,939	17,550	13,998	19,067	15,056	20,583
16 x 20 x 8	320	16,349	20,631	14,777	19,873	15,996	21,598	17,215	23,323
16 x 24 x 8	374	18,506	23,157	16,563	22,093	17,938	24,017	19,313	25,941
18 x 18 x 8	324	16,476	20,782	14,864	19,989	16,090	21,724	17,317	23,460
18 x 20 x 8	360	18,128	22,644	16,305	21,678	17,617	23,523	18,930	25,369
18 x 24 x 8	432	20,484	25,389	18,260	24,090	19,739	26,149	21,219	28,208
20 x 20 x 8	400	19,470	24,145	17,386	23,019	18,790	24,982	20,194	26,945
20 x 24 x 8	480	21,988	27,132	19,453	25,566	21,036	27,755	22,619	29,945
20 x 28 x 8	560	24,963	30,480	21,963	28,514	23,721	30,922	25,479	33,330
20 x 32 x 8	640	27,480	33,340	23,954	30,909	25,884	33,529	27,813	36,149
20 x 36 x 8	720	29,946	36,127	25,919	33,251	28,017	36,077	30,115	38,903
20 x 40 x 8	800	32,420	38,904	27,888	35,575	30,153	38,603	32,518	41,631
24 x 40 x 8	960	38,694	45,735	34,681	43,023	37,368	46,538	39,939	49,937
28 x 40 x 8	1120	43,183	50,733	38,123	47,062	41,095	50,921	43,950	54,664
32 x 40 x 8	1280	48,550	56,318	42,894	51,900	46,146	56,580	49,282	60,656
36 x 40 x 8	1440	54,344	62,804	46,254	56,259	49,872	60,781	53,194	65,186
40 x 40 x 8	1600	58,738	67,611	49,583	60,073	53,385	64,916	57,070	69,642

Tips For Quick Selection Guide

Walk-in Cooler Box Load Parameters

- 95°F ambient air temperature surrounding box
- 4" Styrene (R = 16.7, K = .24) walls/ceiling, 6" concrete slab floor
- Average product load with 5°F pulldown in 24 hrs
- BtuH load based on 16 to 18 hour compressor run time for 35°F box (timer recommended) + 20 hours for 30°F box
- See Table C for glass door load adjustment
- For 80°F ambient temperature box deduct 12%
- For 4" urethane walls & ceiling, 6" concrete slab floor, deduct 12%
- For 10' ceiling height add 10%
- For additional BtuH load for product cooling, see Table A

Walk-in Freezer Box Load Parameters

- 95°F ambient air temperature surrounding box
- 4" urethane (R=25, K=0.16) walls, ceiling and floor
- Avg. box load with 10°F pulldown in 24 hrs
- BtuH load based on 18 hour compressor run time
- See Table C for adjustment to box load for glass doors
- For 80°F ambient temperature box deduct 12%
- For 20 hour compressor run time (light frost load) in lieu of 18 hour run time, deduct 11%
- For 10' ceiling height add 10%
- For additional BtuH load for product freezing, refer to Table D

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Table A: Product Cooling Loads for Walk-In Coolers

• (24 hour pulldown/18 hour compressor operation) 24% safety factor added to loads to allow for service

	Specific Heat	10°F Pulldown BtuH Load/24 Hours					
Product	Above Freezing	500#	1000#	1500#	2000#	3000#	5000#
Beef	0.72	240	480	720	960	1,440	2,400
Pork	0.53	177	353	530	706	1,060	1,767
Veal & Lamb	0.76	253	506	760	1,012	1,520	2,533
Poultry	0.79	263	526	790	1,053	1,580	2,633

	Specific Heat	10°F Pulldown BtuH Load/24 Hours					
Product	Above Freezing	500#	1000#	1500#	2000#	3000#	5000#
Seafood	0.80	267	533	800	1,066	1,600	2,667
Vegetables	0.92	307	613	920	1,226	1,840	3,067
Bakery Food	0.74	247	494	740	988	1,480	2,467
Beer	1.00	333	666	999	1,333	2,000	3,333

Table C: Glass Door Loads

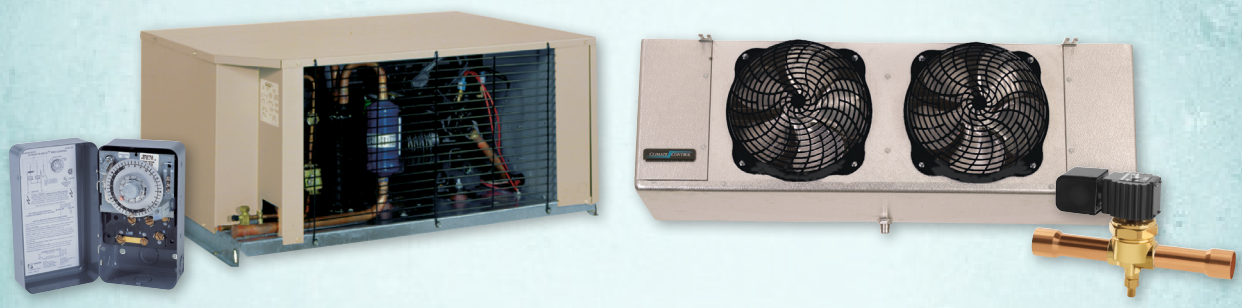
Box Temperature	BTU/ Door
35	1,060
30	960
0	1,730
-10	1,730
-20	1,730

Table D: Product Freezing Loads for Walk-In Freezers

	Specific Heat Btu/Lb/°F		Latent Heat Freeze		At -10°F Freezer Temperature BtuH for Indicated Lbs. Prod/Day					
Product	Thawed	Frozen	Btu/Lb.	Temp. (F)	100	300	750	1000	1500	3000
Beef	0.72	0.40	95	29	790	2,370	5,925	7,900	11,850	23,700
Pork	0.53	0.32	60	28	523	1,571	3,926	5,235	7,853	15,710
Veal & Lamb	0.76	0.45	100	28	841	2,524	6,311	8,414	12,621	25,240
Poultry	0.79	0.42	106	27	878	2,636	6,590	8,787	13,181	26,360
Seafood	0.80	0.43	110	28	906	2,719	6,797	9,063	13,595	27,190
Vegetables	0.92	0.47	130	30	1,053	3,159	7,898	10,530	15,795	31,590
Bakery Food	0.74	0.34	53	20	520	1,560	3,900	5,200	7,800	15,600

Walk In With A Box Need, Walk Out With A Quote!

Turn to Johnstone for your box sizing needs



We're here to help you select the right equipment from our portfolio of trusted refrigeration brands and complete your project with essential components and accessories.

Or, ask us to verify your existing load calculation during a failure to prevent call-backs.

CLIMATE CONTROL



Twin Flow Unit Coolers

- Compact two-way design with medium velocity air flow
- Mounts flush to the ceiling and draws air in through the fan and discharges out both sides
- Air pattern reduces air loss when doors are opened and the medium velocity reduces product drying
- Textured aluminum cabinet
- All TXV connections are sweat
- Molded Lexan® fan guards
- Drain pan and fan panel is easily removed for installation and servicing
- Corrosion-resistant coated coil available
- Shaded pole motor
- 115V standard; optional 230V units available

Order #	Mfg. #	Type	Defrost	Volts	Phase	BtuH @ 10° TD	BtuH @ 12° TD	BtuH @ 15° TD	CFM	No. of Fans	Width	Depth	Height	Inlet Conn.	Suction Conn.	Drain Conn.	Wt. Lbs.
B82-187	BTOK09AG	Coated	Air	115	1	900	1,080	1,350	130	1	19-1/8"	16-1/8"	4-7/8"	1/2" O.D.	1/2" O.D.	1/2" O.D.	9
B82-188	BTOK13AG	Coated	Air	115	1	1,300	1,560	1,950	240	2	19-1/8"	16-1/8"	5-3/4"	1/2" O.D.	1/2" O.D.	1/2" O.D.	11
B82-189	BTOK18AG	Coated	Air	115	1	1,800	2,160	2,700	255	1	19-1/8"	16-1/8"	5-3/4"	1/2" O.D.	1/2" O.D.	1/2" O.D.	12
B82-190	BTOK25AG	Coated	Air	115	1	2,500	3,000	3,750	460	2	26-1/8"	18-1/8"	6-3/4"	1/2" O.D.	1/2" O.D.	1/2" O.D.	19
B82-191	BTOK35AG	Coated	Air	115	1	3,500	4,200	5,250	425	2	26-1/8"	18-1/8"	6-3/4"	1/2" O.D.	1/2" O.D.	1/2" O.D.	20
B82-192	BTOK45AG	Coated	Air	115	1	4,500	5,400	6,750	550	2	29-1/8"	21-1/8"	9-1/4"	1/2" O.D.	1/2" O.D.	3/4" O.D.	29
B82-193	BTOK55AG	Coated	Air	115	1	5,500	6,600	8,250	730	1	29-1/8"	21-1/8"	8-1/2"	1/2" O.D.	1/2" O.D.	3/4" O.D.	29

CLIMATE CONTROL

Reach-In Unit Coolers



A



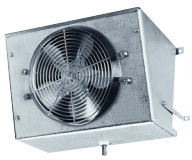
B

- Compact — does a big job in a small space
- Knock-outs in sides and top, plus openings
- Room for TXV inside, out of sight
- Drain fitting angled for installation flexibility
- Rear discharge assures good air distribution
- Attractive textured aluminum cabinet — no paint to scratch
- TL series includes defrost termination and fan delay controls
- All TXV connections are sweat
- Shaded pole motor (EC motor optional)
- BtuH capacity ratings below are based on the listed temperature drop (T.D.) and +25°F SST for C, TA, and LTA, -10°F for TL and LTL

Fig.	Order #	Mfg. #	Defrost	Volts	Phase	BtuH @ 10° TD	BtuH @ 12° TD	BtuH @ 15° TD	CFM	No. of Fans	Fan Diam.	Width	Depth	Height	Inlet Conn.	Suction Conn.	Drain Conn.	Wt. Lbs.
Model C High Profile																		
A	**B92-107**	C13AG	Air	115	1	1,300	1,560	1,950	235	1	8"	14-1/4"	13-3/4"	8-7/8"	3/8" O.D.	3/8" I.D.	1/2" O.D.	15
A	**B92-108**	C17AG	Air	115	1	1,700	2,040	2,550	250	1	8"	17-1/4"	13-3/4"	8-7/8"	3/8" O.D.	1/2" I.D.	1/2" O.D.	17
A	**B93-488**	C30AG	Air	115	1	3,000	3,600	4,500	480	2	8"	27-3/4"	15-3/4"	8-7/8"	3/8" O.D.	1/2" I.D.	1/2" O.D.	25
A	**B93-489**	C43AG	Air	115	1	4,300	5,160	6,450	520	2	8"	38"	15-3/4"	8-7/8"	1/2" O.D.	1/2" I.D.	1/2" O.D.	32
Model TA Thin Profile																		
B	**B93-486**	TA10AG	Air	115	1	1,000	1,200	1,500	120	1	5-1/2"	16-1/2"	13-1/2"	4-1/2"	3/8" O.D.	3/8" I.D.	1/2" O.D.	12
B	**B92-110**	TA13AG	Air	115	1	1,300	1,560	1,950	170	2	5-1/2"	20-1/2"	13-1/2"	4-1/2"	3/8" O.D.	3/8" I.D.	1/2" O.D.	16
B	**B92-112**	TA23AG	Air	115	1	2,300	2,760	3,450	330	3	5-1/2"	31-5/8"	14-1/2"	4-1/2"	3/8" O.D.	3/8" I.D.	1/2" O.D.	24
Model TL Thin Profile																		
B	**B93-490**	TL09AG	Electric	115	1	900	1,080	1,350	110	1	5-1/2"	16-1/2"	13-1/2"	4-1/2"	3/8" O.D.	3/8" I.D.	1/2" O.D.	13
B	**B92-401**	TL12AG	Electric	115	1	1,200	1,440	1,800	210	2	5-1/2"	20-1/2"	13-1/2"	4-1/2"	3/8" O.D.	1/2" I.D.	1/2" O.D.	17
B	**B92-402**	TL16AG	Electric	115	1	1,600	1,920	2,400	210	2	5-1/2"	24"	14-1/2"	4-1/2"	3/8" O.D.	1/2" I.D.	1/2" O.D.	20
B	**B92-403**	TL21AG	Electric	115	1	2,100	2,520	3,150	240	1	8"	24"	16-1/2"	6-3/4"	3/8" O.D.	1/2" I.D.	1/2" O.D.	24
B	**B92-404**	TL28BG	Electric	230	1	2,800	3,360	4,200	335	3	5-1/2"	31-5/8"	14-1/2"	6-3/4"	3/8" O.D.	1/2" I.D.	1/2" O.D.	28
B	**B93-491**	TL35BG	Electric	230	1	3,500	4,200	5,250	420	2	8"	38-3/8"	16-1/2"	6-3/4"	1/2" O.D.	5/8" I.D.	1/2" O.D.	31
B	**B93-492**	TL53BG	Electric	230	1	5,300	6,360	7,950	595	3	8"	49-1/8"	16-1/2"	6-3/4"	1/2" O.D.	7/8" I.D.	1/2" O.D.	47

CLIMATE CONTROL

Reach-In Unit Coolers with Coated Coils



- Compact
- Corrosion-resistant coil coating
- Room for thermal expansion valve inside, out of sight
- Attractive textured aluminum cabinet
- All TVX connections are sweat
- Shaded pole motor (EC motor optional)
- 115V standard; optional 230V units available

Order #	Mfg. #	Defrost	Volts	Phase	BtuH @ 10° TD	BtuH @ 12° TD	BtuH @ 15° TD	CFM	No. of Fans	Fan Diam.	Width	Depth	Height	Inlet Conn.	Suction Conn.	Drain Conn.	Wt. Lbs.
B81-660	VAK06AG	Air	115	1	600	720	900	135	1	5-1/2"	12-1/2"	8-1/8"	6-7/8"	3/8" O.D.	3/8" I.D.	1/2" O.D.	7
B81-662	VAK08AG	Air	115	1	800	960	1,200	130	1	5-1/2"	12-1/4"	8-1/8"	6-7/8"	3/8" O.D.	3/8" I.D.	1/2" O.D.	7
B81-664	VAK12AG	Air	115	1	1,200	1,440	1,800	265	2	5-1/2"	18"	8-1/8"	8"	3/8" O.D.	3/8" I.D.	1/2" O.D.	11
B81-665	VAK17AG	Air	115	1	1,700	2,040	2,550	245	1	8"	14"	10-1/2"	9-3/4"	3/8" O.D.	3/8" I.D.	1/2" O.D.	13

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Mullion Unit Coolers

- Ideal for under-counter reach-in refrigerators
- Superior air circulation and temperature throughout the cabinet
- Corrosion resistant coil coating; textured aluminum cabinets
- Height includes adjustable air deflector
- New sweat inlet connections standard; 5/8" O.D. drain
- Shaded pole motor (EC motor optional)
- 115V standard; available in 230V units



Order #	Mfg. #	Type	Defrost	Volts	Phase	BtuH @ 10° TD	BtuH @ 12° TD	BtuH @ 15° TD	CFM	No. of Fans	Width	Depth	Height	Inlet Conn.	Suction Conn.	Drain Conn.	Wt. Lbs.
B82-194	KMK13AG	Downflow	Air	115	1	1,300	1,560	1,950	180	2	15-5/8"	5-5/8"	20"	3/8" O.D.	3/8" O.D.	5/8" O.D.	15
B82-195	KMK17AG	Downflow	Air	115	1	1,700	2,040	2,550	170	2	15-5/8"	5-5/8"	22"	3/8" O.D.	3/8" O.D.	5/8" O.D.	17
B82-196	KMK23AG	Downflow	Air	115	1	2,300	2,760	3,450	255	3	22"	5-5/8"	22"	3/8" O.D.	1/2" O.D.	5/8" O.D.	23
B82-197	RAMK13AG	Upflow	Air	115	1	1,300	1,560	1,950	180	2	15-5/8"	5-5/8"	20"	3/8" O.D.	3/8" O.D.	5/8" O.D.	15
B82-198	RAMK17AG	Upflow	Air	115	1	1,700	2,040	2,550	170	2	15-5/8"	5-5/8"	22"	3/8" O.D.	3/8" O.D.	5/8" O.D.	17
B82-199	RAMK23AG	Upflow	Air	115	1	2,300	2,760	3,450	255	3	22"	5-5/8"	22"	3/8" O.D.	1/2" O.D.	5/8" O.D.	23

Back Bar Unit Coolers

- Ideal for undercounter reach-in or drawer-type fixtures
- Air enters bottom and discharges at the top
- Adjustable air deflector provides different air patterns
- Fan blades and guards are molded from corrosion-proof Lexan®
- Textured aluminum cabinet
- All TXV connections are sweat
- Connections: 1/2" O.D. inlet; 3/8" O.D. suction; 1/2" O.D. drain
- Shaded pole motor
- Options: master unit, slave unit, EC motor, 230V units available



Order #	Mfg. #	Defrost	Volts	Phase	BtuH @ 10° TD	BtuH @ 12° TD	BtuH @ 15° TD	CFM	No. of Fans	Width	Depth	Height	Inlet Conn.	Suction Conn.	Drain Conn.	Wt. Lbs.
B82-176	BBL10AG	Electric	115	1	1,000	1,200	1,500	90	1	19-3/4"	5-1/2"	14"	3/8" O.D.	3/4"	1/2" O.D.	13
B82-177	BBL15AG	Electric	115	1	1,500	1,800	2,250	180	2	26-1/4"	5-1/2"	14"	3/8" O.D.	3/4"	1/2" O.D.	15

Dual Air Unit Coolers

- Small, compact unit that can be mounted on the ceiling or wall
- Draws air through the front and discharges it out both sides
- Textured aluminum cabinet
- Shaded pole motor
- Detachable drain pan that is easy to clean
- 115V standard; optional 230V units available
- Connections: inlet 1/2" FN; suction 3/8" I.D.; drain 1/2" O.D.



Order #	Mfg. #	Type	Defrost	Volts	Phase	BtuH @ 10° TD	BtuH @ 12° TD	BtuH @ 15° TD	CFM	No. of Fans	Width	Depth	Height	Inlet Conn.	Suction Conn.	Drain Conn.	Wt. Lbs.
B82-203	UK0090	Coated	Air	115	1	850	1,080	1,275	190	1	11-1/2"	8-7/8"	8-1/2"	1/2" O.D.	3/8" O.D.	1/2" O.D.	8
B82-204	UK0120	Coated	Air	115	1	1,150	1,440	1,725	250	1	17-1/2"	8-7/8"	8-1/2"	1/2" O.D.	3/8" O.D.	1/2" O.D.	8
B82-205	UK0150	Coated	Air	115	1	1,500	1,800	2,250	310	1	17-1/2"	10-7/8"	9-1/2"	1/2" O.D.	3/8" O.D.	1/2" O.D.	12

Condensate Drain Pans

For Commercial Refrigerators and Vending Machines

- Cast aluminum pan supplied with legs
- Element cast into pan for safety
- **H24-882** has self-regulating thermostat; UL recognized
- Can be wall mounted or slide mounted for drawer-type applications
- Cannot short-circuit, nothing to clean
- Conforms with NSF standards to eliminate floor drains
- 120V, supplied with UL approved 20" long cord line, or can be wired direct



A



B



C

Fig.	Order #	Mfg. #	Description	Height	Length	Width	Each
A	**H23-641**	30-OS	38 Oz. Capacity; 8 Oz./Hour Evap. Rate; 160 Watts	2-7/8"	10"	4"	**119.00**
B	**H24-882**	70	50 Oz. Capacity; 6 Oz./Hour Evap. Rate; 300 Watts	3"	12-1/4"	4-3/4"	**239.00**
C	**H24-481**	75	75 Oz. Capacity; 14 Oz./Hour Evap. Rate Evap. Rate; 320 Watts	2-3/4"	10"	9"	**285.00**
—	**H24-466**	30WM	Wall Mounting Accessories for H23-641	—	—	—	**79.00**

Supco



High Capacity Condensate Pans

- Corrosion-resistant stainless steel construction
- High limit safety and float switch
- 120V models plug directly into wall outlet

Order #	Mfg. #	Description	Height	Length	Width	Each
H26-710	CP802	2-1/2 Qt. Capacity; 6 Gal./Day Evap. Rate; 800 Watts	2-1/2"	13"	7"	**395.00**
H26-712	CP807	7-1/2 Qt. Capacity; 10 Gal./Day Evap. Rate; 1000 Watts	4"	13"	10"	**439.00**
H85-537	CP815	15 Qt. Capacity; 12 Gal./Day Evap. Rate; 1440 Watts	4"	21"	13"	**585.00**

CLIMATE CONTROL



Low Profile Unit Coolers

- Application Capacity is capacity associated with a nominal 10°F TD, 25°F/-20°F SST application condition for R404A
- Built-up evaporator configurations also available
- 2-Speed EC motors standard on Air Defrost models
- Single Speed EC motors standard on Electric Defrost & Hot Gas Defrost models
- Hinged Removeable Access Panels allow for easy access to both refrigeration and electrical end of Low Profile units
- Quick-removal fan guard/motor assembly for easier servicing of air mover parts
- Sweat connections to reduce potential for leaks
- Liquid line solenoid wire harness is factory installed for quick installation
- Hot Gas defrost models also available

Order #	Mfg. #	Defrost	Volts	Phase	BtuH @ 10° TD	CFM	No. of Fans	Width	Depth	Height	Inlet Conn.	Suction Conn.	Drain Conn.	Wt. Lbs.
B63-432	CEL0040BS6EEAB0000	Electric	208-230	1	3,500	685	1	29.5	13.3	16.4	1/2" O.D.	5/8" I.D.	3/4" MPT	36
B63-450	CEL0040CS6EEAB0000	Electric	208-230	3	3,500	685	1	29.5	13.3	16.4	1/2" O.D.	5/8" I.D.	3/4" MPT	36
B63-410	CEL0045AS6AMAB0000	Air	115	1	4,000	653	1	29.5	13.3	16.4	1/2" O.D.	1/2" I.D.	3/4" MPT	33
B63-443	CEL0045BS4EEAB0000	Electric	208-230	1	4,100	666	1	29.5	13.3	16.4	1/2" O.D.	5/8" I.D.	3/4" MPT	38
B63-421	CEL0045BS6AMAB0000	Air	208-230	1	4,000	653	1	29.5	13.3	16.4	1/2" O.D.	1/2" I.D.	3/4" MPT	33
B63-433	CEL0045BS6EEAB0000	Electric	208-230	1	4,700	641	1	29.5	13.3	16.4	1/2" O.D.	5/8" I.D.	3/4" MPT	38
B63-461	CEL0045CS4EEAB0000	Electric	208-230	3	4,100	666	1	29.5	13.3	16.4	1/2" O.D.	5/8" I.D.	3/4" MPT	38
B63-451	CEL0045CS6EEAB0000	Electric	208-230	3	4,700	641	1	29.5	13.3	16.4	1/2" O.D.	5/8" I.D.	3/4" MPT	38
B63-998	CEL0055AS6AMAB0000	Air	115	1	5,200	610	1	29.5	13.3	16.4	1/2" O.D.	5/8" I.D.	3/4" MPT	36
B64-001	CEL0055BS6AMAB0000	Air	208-230	1	5,200	610	1	29.5	13.3	16.4	1/2" O.D.	5/8" I.D.	3/4" MPT	36
B63-411	CEL0060AS6AMAB0000	Air	115	1	6,500	610	1	29.5	13.3	16.4	1/2" O.D.	5/8" I.D.	3/4" MPT	36
B63-422	CEL0060BS6AMAB0000	Air	208-230	1	6,500	610	1	29.5	13.3	16.4	1/2" O.D.	5/8" I.D.	3/4" MPT	36
B64-003	CEL0065BS6EEAB0000	Electric	208-230	1	6,500	1371	2	45.5	13.3	16.4	1/2" O.D.	5/8" I.D.	3/4" MPT	54
B64-006	CEL0065CS6EEAB0000	Electric	208-230	3	6,500	1371	2	45.5	13.3	16.4	1/2" O.D.	5/8" I.D.	3/4" MPT	54
B63-444	CEL0070BS4EEAB0000	Electric	208-230	1	6,800	1425	2	45.5	13.3	16.4	1/2" O.D.	5/8" I.D.	3/4" MPT	53
B63-462	CEL0070CS4EEAB0000	Electric	208-230	3	6,800	1425	2	45.5	13.3	16.4	1/2" O.D.	5/8" I.D.	3/4" MPT	53
B63-434	CEL0080BS6EEAB0000	Electric	208-230	1	7,500	1371	2	45.5	13.3	16.4	1/2" O.D.	5/8" I.D.	3/4" MPT	54
B63-452	CEL0080CS6EEAB0000	Electric	208-230	3	7,500	1371	2	45.5	13.3	16.4	1/2" O.D.	5/8" I.D.	3/4" MPT	54
B63-445	CEL0090BS4EEAB0000	Electric	208-230	1	8,000	1332	2	45.5	13.3	16.4	1/2" O.D.	7/8" I.D.	3/4" MPT	59
B63-463	CEL0090CS4EEAB0000	Electric	208-230	3	8,000	1332	2	45.5	13.3	16.4	1/2" O.D.	7/8" I.D.	3/4" MPT	59
B63-412	CEL0095AS6AMAB0000	Air	115	1	8,000	1305	2	45.5	13.3	16.4	1/2" O.D.	5/8" I.D.	3/4" MPT	51
B63-423	CEL0095BS6AMAB0000	Air	208-230	1	8,000	1305	2	45.5	13.3	16.4	1/2" O.D.	5/8" I.D.	3/4" MPT	51
B63-435	CEL0100BS6EEAB0000	Electric	208-230	1	9,000	1281	2	45.5	13.3	16.4	1/2" O.D.	7/8" I.D.	3/4" MPT	59
B63-453	CEL0100CS6EEAB0000	Electric	208-230	3	9,000	1281	2	45.5	13.3	16.4	1/2" O.D.	7/8" I.D.	3/4" MPT	59
B63-413	CEL0105AS6AMAB0000	Air	115	1	9,200	1305	2	45.5	13.3	16.4	1/2" O.D.	5/8" I.D.	3/4" MPT	52
B63-424	CEL0105BS6AMAB0000	Air	208-230	1	9,200	1305	2	45.5	13.3	16.4	1/2" O.D.	5/8" I.D.	3/4" MPT	52
B64-007	CEL0115AS6AMAB0000	Air	115	1	11,700	1220	2	45.5	13.3	16.4	1/2" O.D.	7/8" I.D.	3/4" MPT	56
B63-414	CEL0125AS6AMAB0000	Air	115	1	13,000	1220	2	61.5	13.3	16.4	1/2" O.D.	7/8" I.D.	3/4" MPT	56
B63-425	CEL0125BS6AMAB0000	Air	208-230	1	13,000	1220	2	61.5	13.3	16.4	1/2" O.D.	7/8" I.D.	3/4" MPT	56
B63-436	CEL0130BS6EEAB0000	Electric	208-230	1	12,000	2056	3	61.5	13.3	16.4	1/2" O.D.	7/8" I.D.	3/4" MPT	71
B63-454	CEL0130CS6EEAB0000	Electric	208-230	3	12,000	2056	3	61.5	13.3	16.4	1/2" O.D.	7/8" I.D.	3/4" MPT	71
B63-446	CEL0135BS4EEAB0000	Electric	208-230	1	10,200	1998	3	61.5	13.3	16.4	1/2" O.D.	7/8" I.D.	3/4" MPT	77
B63-464	CEL0135CS4EEAB0000	Electric	208-230	3	10,200	1998	3	61.5	13.3	16.4	1/2" O.D.	7/8" I.D.	3/4" MPT	77
B63-415	CEL0155AS6AMAB0000	Air	115	1	14,000	1958	3	61.5	13.3	16.4	1/2" O.D.	7/8" I.D.	3/4" MPT	67
B63-426	CEL0155BS6AMAB0000	Air	208-230	1	14,000	1958	3	61.5	13.3	16.4	1/2" O.D.	7/8" I.D.	3/4" MPT	67
B63-437	CEL0155BS6EEAB0000	Electric	208-230	1	14,000	1922	3	61.5	13.3	16.4	1/2" O.D.	1-1/8" I.D.	3/4" MPT	78
B63-455	CEL0155CS6EEAB0000	Electric	208-230	3	14,000	1922	3	61.5	13.3	16.4	1/2" O.D.	1-1/8" I.D.	3/4" MPT	78
B63-438	CEL0170BS6EEAB0000	Electric	208-230	1	16,000	2741	4	77.5	13.3	16.4	1/2" O.D.	7/8" I.D.	3/4" MPT	91
B63-456	CEL0170CS6EEAB0000	Electric	208-230	3	16,000	2741	4	77.5	13.3	16.4	1/2" O.D.	7/8" I.D.	3/4" MPT	91

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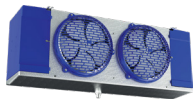
Low Profile Climate Control R448A Built-Up Evaporators

- Application Capacity is capacity associated with a nominal 10°F TD, 25°F/-20°F SST application condition for R448A
- 2-Speed EC motors standard on Air Defrost models
- Single Speed EC motors standard on Electric Defrost & Hot Gas Defrost models
- Hinged Removeable Access Panels allow for easy access to both refrigeration and electrical end of Low Profile units
- Quick-removal fan guard/motor assembly for easier servicing of air mover parts
- Sweat connections to reduce potential for leaks
- Hot Gas defrost models also available



Order #	Mfg. #	Defrost	Volts	Phase	BtuH @ 10° TD	BtuH @ 12° TD	BtuH @ 15° TD	CFM	No. of Fans	Width	Depth	Height	Inlet Conn.	Suction Conn.	Drain Conn.	Wt. Lbs.
B65-801	CEL0040BS6EEAB0405	ELECTRIC	208-230	1	3500	4200	5250	685	1	29.5	13.25	16.44	1/2" ODF	5/8" ODF	3/4"	36
B65-777	CEL0045AS6AMAB0405	AIR	115	1	4000	4800	6000	653	1	29.5	13.3	16.4	1/2" O.D.	1/2" I.D.	3/4" MPT	33
B65-802	CEL0045BS4EEAB0405	ELECTRIC	208-230	1	4700	5640	7050	641	1	29.5	13.25	16.44	1/2" ODF	5/8" ODF	3/4"	38
B65-790	CEL0045BS6AMAB0405	AIR	208-230	1	4000	4800	6000	653	1	29.5	13.3	16.4	1/2" O.D.	1/2" I.D.	3/4" MPT	33
B65-803	CEL0045BS6EEAB0405	ELECTRIC	208-230	1	4700	5640	7050	641	1	29.5	13.25	16.44	1/2" ODF	5/8" ODF	3/4"	38
B65-778	CEL0055AS6AMAB0405	AIR	115	1	5200	6240	7800	610	1	29.5	13.25	16.44	1/2" ODF	5/8" ODF	3/4"	36
B65-779	CEL0060AS6AMAB0405	AIR	115	1	6500	7800	9750	610	1	29.5	13.25	16.44	1/2" ODF	5/8" ODF	3/4"	36
B65-791	CEL0060BS6AMAB0405	AIR	208-230	1	6500	7800	9750	610	1	29.5	13.25	16.44	1/2" ODF	5/8" ODF	3/4"	36
B65-804	CEL0065BS6EEAB0405	ELECTRIC	208-230	1	6500	7800	9750	1371	2	45.5	13.25	16.44	1/2" ODF	5/8" ODF	3/4"	54
B65-805	CEL0070BS4EEAB0405	ELECTRIC	208-230	1	6800	8160	10200	1425	2	45.5	13.25	16.44	1/2" ODF	5/8" ODF	3/4"	54
B65-806	CEL0080BS6EEAB0405	ELECTRIC	208-230	1	7500	9000	11250	1371	2	45.5	13.25	16.44	1/2" ODF	5/8" ODF	3/4"	54
B65-807	CEL0090BS4EEAB0405	ELECTRIC	208-230	1	8000	9600	12000	1332	2	45.5	13.25	16.44	1/2" ODF	5/8" ODF	3/4"	54
B65-780	CEL0095AS6AMAB0405	AIR	115	1	8000	9600	12000	1305	2	45.5	13.25	16.44	1/2" ODF	5/8" ODF	3/4"	51
B65-792	CEL0095BS6AMAB0405	AIR	208-230	1	8000	9600	12000	1305	2	45.5	13.25	16.44	1/2" ODF	5/8" ODF	3/4"	51
B65-808	CEL0100BS6EEAB0405	ELECTRIC	208-230	1	9000	10800	13500	1281	2	45.5	13.25	16.44	1/2" ODF	7/8" ODF	3/4"	59
B65-781	CEL0105AS6AMAB0405	AIR	115	1	9200	11040	13800	1305	2	45.5	13.25	16.44	1/2" ODF	5/8" ODF	3/4"	52
B65-793	CEL0105BS6AMAB0405	AIR	208-230	1	9200	11040	13800	1305	2	45.5	13.25	16.44	1/2" ODF	5/8" ODF	3/4"	52
B65-782	CEL0115AS6AMAB0405	AIR	115	1	11700	14040	17550	1220	2	45.5	13.25	16.44	1/2" ODF	7/8" ODF	3/4"	56
B65-783	CEL0125AS6AMAB0405	AIR	115	1	13000	15600	19500	1220	2	61.5	13.25	16.44	1/2" ODF	7/8" ODF	3/4"	56
B65-794	CEL0125BS6AMAB0405	AIR	208-230	1	13000	15600	19500	1220	2	61.5	13.25	16.44	1/2" ODF	7/8" ODF	3/4"	56
B65-809	CEL0130BS6EEAB0405	ELECTRIC	208-230	1	12000	14400	18000	2056	3	61.5	13.25	16.44	1/2" ODF	7/8" ODF	3/4"	71
B65-810	CEL0135BS4EEAB0405	ELECTRIC	208-230	1	10200	12240	15300	1998	3	61.5	13.25	16.44	1/2" ODF	7/8" ODF	3/4"	71
B65-784	CEL0155AS6AMAB0405	AIR	115	1	14000	16800	21000	1958	3	61.5	13.25	16.44	1/2" ODF	7/8" ODF	3/4"	67
B65-795	CEL0155BS6AMAB0405	AIR	208-230	1	14000	16800	21000	1958	3	61.5	13.25	16.44	1/2" ODF	7/8" ODF	3/4"	67
B65-811	CEL0155BS6EEAB0405	ELECTRIC	208-230	1	14000	16800	21000	1922	3	61.5	13.25	16.44	1/2" ODF	1-1/8" ODF	3/4"	78
B65-812	CEL0170BS6EEAB0405	ELECTRIC	208-230	1	16000	19200	24000	2741	4	77.5	13.25	16.44	1/2" ODF	7/8" ODF	3/4"	91
B65-813	CEL0180BS4EEAB0405	ELECTRIC	208-230	1	13600	16320	20400	2664	4	77.5	13.25	16.44	1/2" ODF	7/8" ODF	3/4"	91
B65-785	CEL0190AS6AMAB0405	AIR	115	1	18000	21600	27000	6200	3	61.5	13.25	16.44	1/2" ODF	7/8" ODF	3/4"	73
B65-796	CEL0190BS6AMAB0405	AIR	208-230	1	18000	21600	27000	6200	3	61.5	13.25	16.44	1/2" ODF	7/8" ODF	3/4"	73
B65-814	CEL0205BS6EEAB0405	ELECTRIC	208-230	1	18000	21600	27000	2562	4	77.5	13.25	16.44	1/2" ODF	1-1/8" ODF	3/4"	100
B65-815	CEL0220BS4EEAB0405	ELECTRIC	208-230	1	17000	20400	25500	3331	5	93.5	13.25	16.44	1/2" ODF	1-1/8" ODF	3/4"	120
B65-816	CEL0240BS6EEAB0405	ELECTRIC	208-230	1	24000	28800	36000	3203	5	93.5	13.25	16.44	1/2" ODF	1-1/8" ODF	3/4"	120
B65-786	CEL0250AS6AMAB0405	AIR	115	1	20800	24960	31200	2440	4	77.5	13.25	16.44	1/2" ODF	7/8" ODF	3/4"	94
B65-797	CEL0250BS6AMAB0405	AIR	208-230	1	20800	24960	31200	2440	4	77.5	13.25	16.44	1/2" ODF	7/8" ODF	3/4"	94
B65-817	CEL0255BS6EEAB0405	ELECTRIC	208-230	1	24000	28800	36000	4112	6	109.5	13.25	16.44	1/2" ODF	1-1/8" ODF	3/4"	134
B65-818	CEL0275BS4EEAB0405	ELECTRIC	208-230	1	23500	28200	35250	3997	6	109.5	13.25	16.44	1/2" ODF	1-1/8" ODF	3/4"	134
B65-787	CEL0295AS6AMAB0405	AIR	115	1	26000	31200	39000	3050	5	93.5	13.25	16.44	1/2" ODF	7/8" ODF	3/4"	115
B65-798	CEL0295BS6AMAB0405	AIR	208-230	1	26000	31200	39000	3050	5	93.5	13.25	16.44	1/2" ODF	7/8" ODF	3/4"	115
B65-819	CEL0310BS6EEAB0405	ELECTRIC	208-230	1	28000	33600	42000	3843	6	109.5	13.25	16.44	1/2" ODF	1-1/8" ODF	3/4"	146
B65-788	CEL0350AS6AMAB0405	AIR	115	1	31200	37440	46800	3660	6	109.5	13.25	16.44	1/2" ODF	1-1/8" ODF	3/4"	133
B65-799	CEL0350BS6AMAB0405	AIR	208-230	1	31200	37440	46800	3660	6	109.5	13.25	16.44	1/2" ODF	1-1/8" ODF	3/4"	133
B65-789	CEL0380AS6AMAB0405	AIR	115	1	37000	44400	55500	3660	6	109.5	13.25	16.44	1/2" ODF	1-1/8" ODF	3/4"	137
B65-800	CEL0380BS6AMAB0405	AIR	208-230	1	37000	44400	55500	3660	6	109.5	13.25	16.44	1/2" ODF	1-1/8" ODF	3/4"	137

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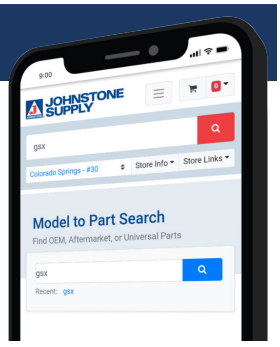

InterLINK Commercial Refrigeration Parts

Heatcraft OEM Replacement Motors

- OEM replacements for Bohn, Larkin, Chandler and Climate Control products.

Order #	Mfg. #	HP	Volts	RPM	Diam.	Rot.
S82-037	25316601S	1-1/2	230/460	830	5/8"	CW/CCW
S58-849	R027407100	1/20	230	1550	5/16"	CWSE
S58-850	R028384400	1/20	115	1550	5/16"	CCWSE
S58-851	R038688800	1/20	115	1550	5/16"	CW
S58-853	2530001	1/20	115	1050	5/16"	CWSE
S89-815	2530002	1/20	230	1050	5/16"	CWS
S58-856	25300701	1/150	115	3000	3/16"	CWSE
S58-857	25300802S	1/150	230	3000	3/16"	CWSE
S89-817	2530174	3/4	230/460	1075	1/2"	CWSE
S89-819	25302201	1/4	460	1075	1/2"	CWSE
S58-858	25302501	1/15	208-230	1500	5/16"	CWSE
S58-859	25302601	1/15	120	1800	5/16"	CWSE
S58-860	25303201	1/64	115	1550	1/4-20 THD	CCWSE
S59-273	25303301S	14W	230	1800	1/4"	CCWSE
S89-820	2530355	1/3	230	1075	1/2"	CCW
S89-821	25305701	1/2	208-230	850	5/8"	CWSE
S89-822	25305801	1/2	460	850	5/8"	CWSE
S89-823	2530688	1/10	115	1075	1/2"	CW
S89-824	2530689	1/10	230	1075	1/2"	CW
S58-861	25308401	1/15	460	1300	5/16"	CWSE
S89-825	2530857	1/2	230	825	1/2"	CWSE
S59-274	25308701	1/15	460	1650	5/16"	CWSE
S89-826	25309001S	1/3	208-230	1075	1/2"	CCWSE
S59-447	25309501S	1/15	115	1550	5/16"	CWSE
S89-827	25309101	1/15	208-230	1550	5/16"	CCWSE
S59-275	25309801S	1/15	230	1650	5/16"	CWSE
S89-828	2531010	1	230/460	1140	5/8"	CW/CCW
S89-829	2531191	1/2	230	1075	1/2"	CWSE
S89-830	2531193	1/3	230/460	1140	1/2"	CW/CCW
S58-862	2531194	1/20	115	1550	5/16"	CCWSE
S58-863	2531195	1/20	230	1550	5/16"	CWOSE
S59-276	25314601	1/3	460	1080	1/2"	CCWSE
S89-831	2532500	1/4	230	1075	1/2"	CWSE
S89-832	2537974	1/4	230	1075	1/2"	CCW
S89-833	2537975	1/10	115	1100	1/2"	CWSE
S89-835	5000PS	1/4	208-230	1075	1/2"	CWSE
S58-864	5001LS	1/40	115	1550	5/16"	CWSE
S58-865	5001MS	1/40	208-230	1550	5/16"	CWSE
S89-836	5001PS	1/4	460	1075	1/2"	CWSE
S89-837	5002LS	1/5	115	1080	1/2"	CWSE

Order #	Mfg. #	HP	Volts	RPM	Diam.	Rot.
S58-866	5002MS	1/6	208-230	1050	1/2"	CWSE
S89-838	5002PS	1/2	230	1075	5/8"	CWSE
S58-867	5003LS	1/15	115	1050	1/2"	CWSE
S58-868	5003MS	1/15	208-230	1050	1/2"	CWSE
S89-839	5003PS	1/2	460	1075	5/8"	CWSE
S89-840	5005PS	3/4	208-230	1075	5/8"	CWSE
S89-841	5006PS	3/4	460	1075	5/8"	CWSE
S82-035	25316301S	1	230/460	830	5/8"	CW/CCW
S82-036	25316401S	1-1/2	230/460	1140	5/8"	CW/CCW
S58-869	5008PS	1/20	230	1550	5/16"	CWSE
S89-842	5011T	1	208-230/460	850	5/8"	CWSE
S58-872	5013PS	1/5	208-230	1550	3/8"	CWSE
S89-843	5020SS	1/4	115	1075	1/2"	CWSE
S89-844	5020TS	1/4	208-230	1075	1/2"	CWSE
S58-874	5021TS	1/150	240	3000	3/16"	CWSE
S58-875	5023T	1/4	208-230	1075	7/16"	CWSE
S58-876	5024T	1/8	208-230	1550	3/8"	CWSE
S58-877	5026SS	1/40	115	1550	5/16"	CWSE
S58-878	5030SS	1/150	115	3000	3/16"	CWSE
S58-879	5031SS	1/30	115	1050	3/8"	CWSE
S58-880	5031TS	1/30	230	1050	3/8"	CWSE
S58-881	5032SS	1/15	115	1050	1/2"	CWSE
S58-882	5033SS	1/5	115	1050	1/2"	CWSE
S58-883	5034LS	1/20	115	1550	5/16"	CWSE
S89-845	5034TS	1-1/2	208-230/460	1140	5/8"	CWSE
S58-884	5036N	1/15	115	1550	5/16"	CWSE
S58-885	5036PS	1/15	208-230	1550	5/16"	CWSE
S58-888	5042FS	1/30	115	1050	3/8"	CWSE
S58-889	7070056	1/20	115	1550	5/16"	CCW
S58-890	7070058	1/15	115	1550	5/16"	CW
S58-891	7070060	1/20	115	1550	5/16"	CW
S58-892	7071057	1/20	230	1550	5/16"	CCW
S58-893	7071059	1/10	230	1550	5/16"	CW
S58-894	7071060	1/15	230	1550	5/16"	CW
S58-895	7071061	1/15	230	1550	5/16"	CCWSE
S89-846	7071207	1/4	230	1075	1/2"	CCW
S89-847	7071208	1/3	230	1075	1/2"	CCWSE
S89-848	7071225	1/2	460	1075	1/2"	CW
S89-849	7072102	3/4	230/460	1140	5/8"	CW/CCW
S58-896	8990011	1/150	115	3000	3/16"	CW

InterLINK Commercial Refrigeration Parts



Electronically Commutated Motors

- Quick and easy solution for reducing costs and environmental impact without having to replace entire system
- Replacement motors lower operational costs through 50% increase in efficiency — or more — over shaded pole and PSC motors
- Easy-to-install as drop-in replacement; also available as an option on new Bohn, Larkin, Climate Control, and Chandler equipment

Order #	Mfg. #	Evaporator Type	HP	Volts	RPM	Diam.	Rot.
S59-277	25317801	Low Profile	1/15	120	1625	5/16"	CCW
S59-278	25317701	Low Profile	1/15	208/230	1625	5/16"	CCW
S59-279	25318001	Center Mount	1/15	120	1625	5/16"	CCW
S59-280	25317901	Center Mount	1/15	208/230	1525	5/16"	CCW
S59-281	25317601	Medium Profile	1/4	120	1175	1/2"	CCW
S59-282	25317501	Medium Profile	1/4	208/230	1175	1/2"	CCW

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Heatcraft OEM Replacement Fan Guards

- OEM replacements for Bohn, Larkin, Chandler, and Climate Control



Order #	Mfg. #	Description	Blade Size
B81-667	R041777700S	Round Plastic Fan Guard	8"
B84-289	23101802	Round Wire Fan Guard	18"
B98-363	23102202	Round Wire Fan Guard	24"
B98-366	23102302	Round Wire Fan Guard	30"

Order #	Mfg. #	Description	Blade Size
B84-290	37000701	Round Plastic Fan Guard	12"
B82-539	5054F	Square Plastic Fan Guard	18"
B12-836	5054DS	Round Plastic Fan Guard	5-1/2"
B84-292	7067049	Round Wire Fan Guard	13-3/4"

Heatcraft OEM Replacement Fan Blades

- OEM replacements for Bohn, Larkin, Chandler, and Climate Control

Order #	Mfg. #	Size	Pitch	Hub Bore	Rot.	Blades	Hub Location
W89-383	R043759700S	14"	19°	5/16"	CW	3	HF
W91-099	22900101S	30"	24°	5/8"	CW	5	HF
W89-384	22900201S	24"	27°	5/8"	CW	4	HB
W91-100	22900301S	30"	32°	5/8"	CW	6	HB
W91-101	22900401S	30"	26°	5/8"	CW	5	HF
W69-366	22900501S	10"	30°	5/16"	CW	5	HF
B16-888	22901601	14"	20°	5/16"	CW	5	CCW
W89-385	22901101S	24"	33°	5/8"	CW	5	HF
W69-367	2291030S	10"	31°	5/16"	CCW	5	HF
W69-368	2291031S	10"	31°	5/16"	CW	5	HB
W89-386	2291220S	12"	20°	5/16"	CW	5	HF
W89-387	2291240S	12"	40°	1/2"	CW	5	HF
W89-388	2291836S	18"	34°	1/2"	CW	5	HF
W89-389	2292422S	24"	24°	1/2"	CW	4	HF
W89-390	2292625S	26"	28°	1/2"	CW	4	HF
W89-391	2292630S	26"	32°	5/8"	CW	4	HF
W91-102	2293030S	30"	30°	5/8"	CW	4	HF
W69-369	23100201S	8"	37°	1/4"	CW	4	No Hub
W69-370	5100CS	12"	24°	3/8"	CCW	4	HF
W69-371	5101BS	5-1/2"	24°	3/16"	CCW	5	HF

Order #	Mfg. #	Size	Pitch	Hub Bore	Rot.	Blades	Hub Location
W69-372	5102CS	5"	27°	3/16"	CCW	5	HF
W69-373	5109ES	5-1/2"	24°	3/16"	CW	5	HB
W89-392	5110BS	16"	26°	1/2"	CCW	4	HF
W69-374	5110CS	10"	24°	5/16"	CCW	5	HB
W89-393	5110ES	12"	24°	5/16"	CCW	5	HB
W69-376	5117CS	5"	27°	3/16"	CW	5	HB
W69-377	5127AS	8"	21°	5/16"	CCW	5	HF
W89-394	22902401	1/2	30°	—	CW	3	HF
W69-379	5132CS	10"	40°	5/16"	CW	4	HF
W91-103	5133CS	24"	21°	5/8"	CW	5	HF
W91-104	5135CS	48"	27°	1-3/16" w/Taper Lock	CW	4	HF
W91-105	5137DS	30"	16°	5/8"	CW	4	HF
W89-395	5140CS	12"	23°	5/16"	CW	5	HF
W89-396	5146CS	14"	29°	3/8"	CW	3	HF
W89-397	5147CS	24"	26°	5/8"	CW	4	HF
W89-398	7173156S	22"	26°	1/2"	CW	4	HF
W91-106	7173254S	26"	26°	5/8"	CW	5	HF
W89-399	7174402S	12"	22°	5/16"	CCW	5	HF
W89-400	D21194A2S	12"	19°	5/16"	CW	5	HF

Heatcraft OEM Replacement Controls

- OEM replacements for Bohn, Larkin, Chandler, and Climate Control



Order #	Mfg. #	Cut-In Temp. °F	Cutout Temp. °F	Type	Description
B14-788	2890099S	—	—	Low Pressure Switch	—
B14-789	2890109S	Adjustable	25 (Adj.)	Low Temp Defrost Switch & Fan Delay	—
B14-790	2892425S	45	23	Thermostat	3-Wire
B14-791	4267WS	Adjustable	Adjustable	Defrost Termination Switch & Fan Delay	—
B14-792	4751CS	35	55	Thermostat	3-Wire
B14-793	4752CS	40	75	Thermostat	2-Wire
B14-794	5507SS	29	39	Thermostat	2-Wire
B14-795	5521RS	50	40	Thermostat	2-Wire
B14-796	5708L	40	75	Thermostat	2-Wire
B12-834	5709L	35	55	Defrost Termination Switch	3-Wire
B12-835	7075819S	30	50	Defrost Thermostat	3-Wire
B14-798	8075821S	25	55	Defrost Thermostat	3-Wire
B14-799	22512601S	—	—	Terminal Board	—
B16-887	89904904	—	—	Beacon II Sensor Kit	—

Heatcraft OEM Replacement Parts

- OEM replacement parts for Bohn, Larkin, Chandler, and Climate Control

Order #	Mfg. #	Description
B98-368	2470130	Coil Heater 230V 1925W 78-1/2"
B16-889	26925101	Drain Fitting Kit 3/4"
B16-890	66708001	Drain Fitting 5/8"
B16-891	92864003	Drain Fitting 3/4" FPT W/ 3/4" Cplg
B98-369	C25925A2	Drain Pan 12" X 41"
B98-370	C25926A2	Drain Pan 12" X 49"
B84-293	91186002	Drain Pan 17" X 24"
B98-371	24752502	Drain Pan Heater 230V 300 w/ 2 Fans
B98-372	24752002	Coil Heater 230V 600W 36"
B98-373	24752202	Pan Heater 230V 600W 43" w/ 2 Fans
B98-374	4260V	Heater 230V 1000W 84"
B84-294	4312F	Heater 230V 250W 24"
B98-375	4313F	Heater 230V 400W 36"
B98-376	4314F	Heater 230V 500W 44"
B98-377	4315F	Heater 230V 750W 64"
B98-378	4544B	Heater 230V 1000W 72"
B98-379	7077188	Heater 230V 950W 69"
B84-295	23104901	—
B98-380	40000101	Motor Mount DVS
B16-893	40003001	Motor Plate SM/WK
B16-894	4116D	Nozzle L - 1/2 (223-9004)
B16-895	4322B	Nozzle L - 1/3 (223-9002)
B16-896	5826X	Nozzle I - 1 (223-9010)

Russell OEM Replacement Electrically Commutate Motors



- OEM replacement parts for Russell, Witt, Kramer and ColdZone

Order #	Mfg. #	Diam.	HP	Watts	Volts	RPM	Rot.
S59-667	08216124	5/16"	—	50W	115	1550	CCW
S59-678	08216145	5/16"	1/15	—	115	1550	CW
S59-679	08216139	5/16"	1/15	—	230	1550	CW

Russell OEM Replacement Motors



- OEM replacement parts for Russell, Witt, Kramer and ColdZone

Order #	Mfg. #	Diam.	HP	Watts	Volts	RPM	Rot.
S83-275	08216098	5/8"	1	—	208-230/460	850	CW
S83-276	08216154	5/8"	1-1/2	—	208-230/460	1140	CW
S59-668	08216135	5/16"	1/15	—	460	1550	CCW
S83-277	08216006	5/8"	1/2	—	208-230/460	1140	CW
S59-669	08216071	5/16"	1/20	—	208-230	1550	CW
S59-670	08216074	5/16"	1/20	—	115	1550	CCW
S59-671	08216073	5/16"	1/20	—	208-230	1550	CW
S59-672	08216072	5/16"	1/20	—	115	1550	CW
S59-673	107933006	5/16"	—	16W	115	1550	CW
S59-674	107933003	THRD	—	16W	230	1550	CCW
S59-675	103104007	THRD	—	16W	115	1550	CCW
S59-676	103104008	THRD	—	16W	230	1550	CCW
S83-278	110204000	5/8"	1-1/2	—	208-230/460	1140	CW
S83-279	08216100	5/8"	1-1/2	—	208-230/460	850	CW
S59-677	08216034	5/16"	1/20	—	460	1550	CCW
S83-280	205051004	5/8"	1/3	—	230	1075	CW
S83-281	205051019	1/2"	1/3	—	230	1075	CW
S83-282	205051021	1/2"	1/3	—	460	1075	CW
S83-283	119226000	5/8"	1/3	—	208-230/460	550	CW
S83-284	125097000	1/2"	1/2	—	208-230/460	1140	REV
S83-285	114638000	1/2"	1/2	—	208-230/460	1140	REV
S83-286	205051009	1/2"	3/4	—	230	1075	CW
S83-287	118186000	1/2"	3/4	—	460	1075	CW
S83-288	205051002	1/2"	3/4	—	460	1075	CW
S83-289	118187000	1/2"	3/4	—	208-230	1075	CW
S83-290	125101000	5/8"	3/4	—	208-230/460	1140	REV
S83-291	114639000	5/8"	3/4	—	208-230/460	1140	REV
S83-292	205051012	1/2"	3/4	—	208-230/460	1140	CW
S83-293	114105000	5/8"	1	—	208-230/460	850	CW
S83-295	115248002	1/2"	1/8	—	208-230	1075	CW
S59-680	102249005	THRD	—	43W	115	3000	CW

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Russell OEM Replacement Motor Mounts

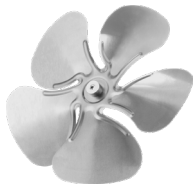
- OEM replacement parts for Russell, Witt, Kramer and ColdZone

Order #	Mfg. #	Description
B87-431	21062000	Motor Mount, SP & PSC Motors
B62-001	212837000	24" Wire Motor Mount
B62-002	205269000	24" Motor Mount
B87-432	08522938	EC Motor Mount 3 Required Per Motor

Russell OEM Replacement Fan Blades

- OEM replacement parts for Russell, Witt, Kramer and ColdZone

Order #	Mfg. #	Size	Pitch	Blades	Hub Bore
W80-216	119103001	12"	23°	4	5/16"
W80-217	214100000	14"	32°	3	1/2"
W80-218	213456000	20"	25°	3	1/2"
W80-219	08221246	24"	28°	3	1/2"
W80-220	213155000	24"	29°	3	1/2"
W80-221	213143000	30"	20°	4	5/8"
W80-222	08221050	24"	26°	3	1/2"
W80-223	08221151	30"	24°	4	5/8"
W80-224	08221007	10"	28°	5	5/16"
W80-225	08221169	12"	24°	4	5/16"
W80-226	08221153	12"	24°	3	5/16"
W80-227	08221175	12"	24°	5	1/4"
W80-228	08221152	30"	31°	5	5/8"



Russell OEM Replacement Fan Guards

- OEM replacement parts for Russell, Witt, Kramer and ColdZone

Order #	Mfg. #	Description
B87-426	08397002	Black Plastic Fan Guard for 10" Blade
B87-427	08397040	Wire Fan Guard for 12" Blade
B87-428	08397053	White Wire Fan Guard for 10" Blade
B87-429	119647000	Black Plastic Fan Guard for 12" Blade
B87-430	205925001	Plastic High Throw Fan Guard for 12" Blade
B21-503	205932000	Plastic Fan Guard for 6" Blade



Russell OEM Replacement Controls

- OEM replacement parts for Russell, Witt, Kramer and ColdZone

Order #	Mfg. #	Description
B21-496	08219273	Defrost Termination Thermostat 60°F Cut-In Temp 30°F Cutout Temp
B21-497	103079002	Defrost Control 3 Wire Non Adjustable 30°F Cut-In Temp 55°F Cutout Temp
B21-498	103079005	Defrost Control 3 Wire Non Adjustable 30°F Cut-In Temp 65°F Cutout Temp
B21-499	103079009	Fan Delay 2 Wire Non Adjustable 35°F Cut-In Temp 45°F Cutout Temp
B21-500	103079003	Heater Safety 2 Wire Non Adjustable 55°F Cut-In Temp 75°F Cutout Temp

WE'RE THE EXPERTS YOU COUNT ON.

- Products you need, including hard to find speciality parts
- Technology to make your job easier
- Delivery options to get back on the road
- Training to keep you competitive

BETTER SERVICE & LOCAL SUPPORT WITH GLOBAL PARTNERS

THAT'S THE POWER OF JOHNSTONE



Russell

Russell OEM Replacement Defrost Heaters

- OEM replacement parts for Russell, Witt, Kramer and ColdZone

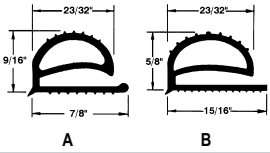


Order #	Mfg. #	Description
B61-987	113100000	Heater 115V 800V 69"
B61-988	200172044	Pan Heater 230V 1000W 39"
B61-989	200172045	Pan Heater 230V 1500W 57"
B61-990	206240009	Coil Heater 230V 1500W 62-1/4"
B61-991	208579003	Coil Heater 230V 1943W 103"
B61-992	115098000	Heater 230V 540W 146-1/8"
B61-993	200172043	Pan Heater 230V 800W 35"
B61-994	206240004	Heater 230V 2458W 70-1/2"
B61-995	113101000	Heater 115V 1150W 104-1/2"
B61-996	206240008	Coil Heater 230V 1000W 44-1/4"
B61-997	206240007	Coil Heater 230V 800W 40-1/4"
B61-998	206240002	Coil Heater 240V 2305W 132-1/8"
B61-999	206240005	Coil Heater 240V 3538W 100-1/2"

Sypco®

Universal Gasket Material



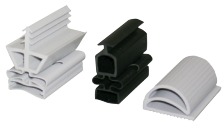


- Special cross sections designed as general replacement for most common commercial and domestic door gaskets
- Made of superior virgin vinyl material
- These large coils of gasket material offer increased shop savings

Fig.	Order #	Mfg. #	Length	Color	Each
A	**B80-912**	5451-50	50'	Gray	**219.00**
B	**B80-918**	6662-50	50'	Gray	**255.00**

GASKETS UNLIMITED

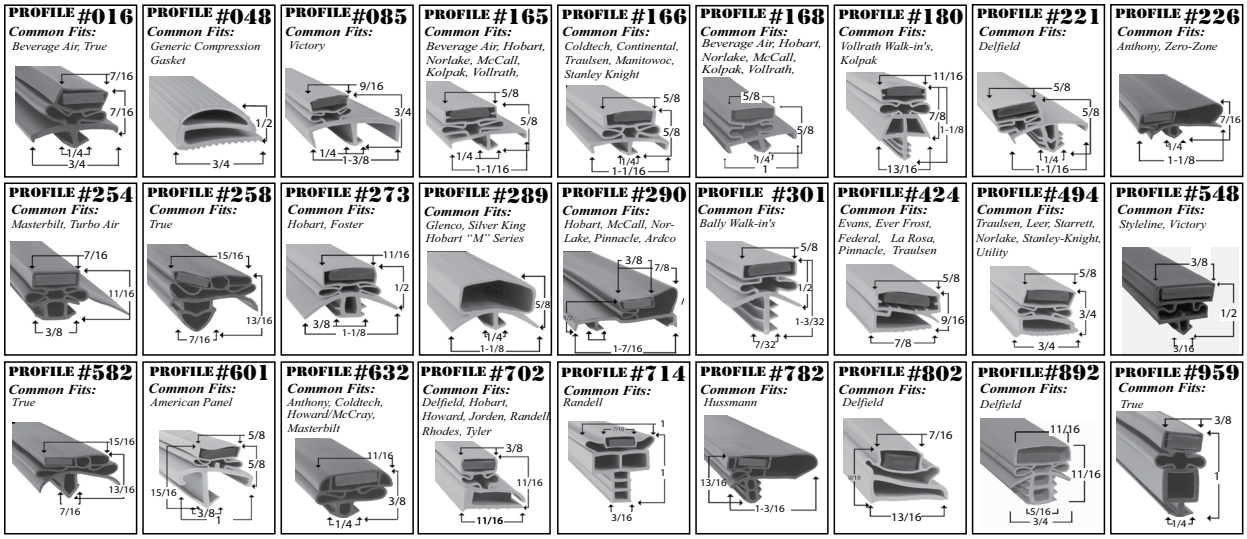
Custom Refrigeration Door Gaskets



- Custom made to your specifications
- Machine welded corners
- Over 50 profiles to choose from
- Matching OEM warranty
- Order by Model/Serial # or custom build
- Free Sample Rings upon request
- Guaranteed Fit
- To size a gasket measure the existing outside edge to outside edge (to 1/8"), pick the profile that most resembles your existing gasket, and use the sizing table below to determine your part number

Note: When ordering, please specify part number, gasket profile number and gasket dimensions.

Order #	Mfg. #	Description	Height	Length	Size	Color
B82-569	JS1236	Custom Gasket — 4 Sides	1"–12"	1"–36"	Variable	Grey
B82-570	JS1237	Custom Gasket — 4 Sides	13"–29"	13"–36"	Variable	Grey
B82-571	JS1238	Custom Gasket — 4 Sides	13"–29"	37"–72"	Variable	Grey
B82-572	JS1239	Custom Gasket — 4 Sides	30"–48"	60"–96"	Variable	Grey
B82-573	JS1240	Custom Gasket — 3 Sides	30"–48"	60"–96"	Variable	Grey
B82-574	JS1241	Gasket — 8 Foot Stick	96"	NA	NA	Grey



*all gaskets include magnet except profile 048 and 289, which do not require a magnet

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Manufacturers Representative · Food Service Equipment

True®

True® is a recognized leader in commercial refrigeration.

True® has earned every aspect of their reputation with over sixty years of manufacturing.

3 years parts and labor warranty, 5 years on the compressor. Made in the USA.

Local public utilities rebates are available, check with your local agency.

PMA's large inventory means quick shipments and delivery from Hayward, CA or O'Fallon, MO.

Competitive pricing, free freight within the Continental US

Full Line of True® parts available



MADE in U.S.A.



GDM Series



TSSU Series



T Series



STM Series

True OEM Replacement Parts
Electrical Components

Order #	Mfg. #	Description	OEM/OEM Mfg. #
G80-257	800508	Ballast	LC14-20C
G80-258	800511	Ballast	RC-2S102-TP
G32-782	800540	Ballast	ICN2P32N35M
G32-784	914240	Ballast	QTP1X32T8/UNV
G32-786	881618	Right Hinge Door Power Cord Kit, 52-1/4"	—
G32-787	801229	Outlet Receptacle for Power Cord	—
G32-788	831993	Defrost Timer	DTSX-IM-120
G32-789	831994	Defrost Timer	DTSX-B-120
B14-683	801805	Evaporator Drain Tube Heater 32" 115V	5782
B14-684	801814	Condensate Drain Pan Heater, 115V	LL88025
G32-791	801112	Lamp 25W Incandescent	25T10
G32-799	801358	Lampholder Stationary	541
G32-800	801359	Lampholder Springloaded	540
B14-698	800180	Overload	8300MRAG17
B14-699	800192	Overload	TIMRP26ALL34
B14-700	802117	Overload	8300MRTA78
B14-701	802210	Overload	8300MRTJ79
B14-702	802223	Overload	8300CRTK87
B14-703	800199	Relay	P82627
B14-704	802113	Relay	P82498-1, GE-82481-1
B14-705	802116	Relay	9660C-+-182, 3ARR12PM22
B14-706	802211	Relay	8200EMBH58
G32-804	802115	Start Capacitor	85PS165C96
G32-806	802292	Start Capacitor	90528-1
B14-712	800316	Defrost Thermometer Switch	37T23
B14-713	800317	Fan Delay Switch	37T31
B14-714	921092	4-Prong Freezer Rocker Switch	780203
B14-715	831999	Hi-Temp Cut Out Switch	37T21 X-2388F

Order #	Mfg. #	Description	OEM/OEM Mfg. #
B14-716	800315	Hi-Temp Cut Out Switch	37T21
B14-718	815827	3-Prong Freezer Rocker Switch	—
B14-719	953404	Toggle Light Switch	—
B14-720	801924	Toggle Power Switch	HBL 11SP
B14-721	911680	Temperature Control Kit	077B1354
B14-724	800366	Temperature Control Kit	077B6806
B14-725	800382	Temperature Control Kit	077B6856
B14-726	800386	Temperature Control Kit	077B6871
B14-728	800345	Temperature Control — Freezer	077B1264
B14-730	800393	Temperature Control Kit	077B6827
B14-733	800369	Temperature Control — T-49F	007B1212
B14-735	800385	Temperature Control — Wine	077B1228
B14-737	925507	Thermometer with 2" Dial	21UB3-1790
G38-025	841477	Lamp Holder Base IDLS	—
G38-039	963055	Led Driver 400-01994 I2 System	—
G81-024	205411	Led Module 15 Led 36" 5700K	—
G81-025	205412	Led Module 20 Led 48" 5700K	—
G38-040	205409	Led Module 5 Led 12" 5700K	—
B21-528	800182	Relay G7L-1A-TUB-CB	—
B21-529	807408	Defrost Sensor 78.7" 2-Pole	—
B21-530	807409	Temperature Sensor 78.7"	—
B21-531	880331	Start Component Kit For AEA4440Yxa	—
B21-532	222736	Temperature Control ETC1H3-077F1536	—
B21-533	959268	Temperature Control GE# 3ART-55VAA3	—
B21-534	802804	Temperature Control Display Kit LAE	—
B21-537	831971	Defrost Timer M-182-013-66332	—

True OEM Replacement Parts
Refrigeration System Parts

Order #	Mfg. #	Description	OEM/OEM Mfg. #
B14-655	851100	Capillary Tube	.087OD X .036ID x 10'
B17-829	851138	Capillary Tube	.097OD X .046ID X 10
B14-656	851142	Capillary Tube	.106OD X .054ID X 10'
B14-657	851133	Capillary Tube	.097OD X .046ID X 12'
B14-658	851134	Capillary Tube	.125OD X .064ID X 12'
B14-659	851157	Capillary Tube	.093OD X .042ID X 14'
B14-660	851145	Capillary Tube	.125OD X .070ID X 8'
B82-465	842406	Compressor 1/2HP R134A	AKA4476YXA, AK169AH-047A4
B82-466	842405	Compressor 1/2HP R134A	AKA4460YXA, AK168AH-047A4
B82-469	874535	Condensing Unit 1/2HP R134	AK169AH
B82-470	874532	Condensing Unit 1/2HP R134a	AK168AH
B82-471	873161	Condensing Unit 1/2HP R404A	T2168GK
B95-318	800235	Evaporator Coil for GDM-72F	—

Order #	Mfg. #	Description	OEM/OEM Mfg. #
B82-481	820799	Evaporator Wicking Kit for GDM	—
S58-809	801006	Condenser Fan Blade 10"	FF100CW22S
S58-810	801005	Condenser Fan Blade 8-3/4"	FT875CW31S
S58-811	861106	Evaporator Fan Blade 7-3/4""	—
B82-483	874436	R134a Suction Line, Accumulator & Cap Tube Set	—
B87-461	933900	EMY70Her Compressor 115/60Hz	—
B87-462	925003	J2212Gkt Compressor 208-230/60Hz	—
B87-463	927295	THA0414YXATH770Ar-236DB Compressor	—
B21-525	925928	Drier 4.5" Long	—

MOTOR FINDER

Find the Right Commercial IHP Motor and Save Time

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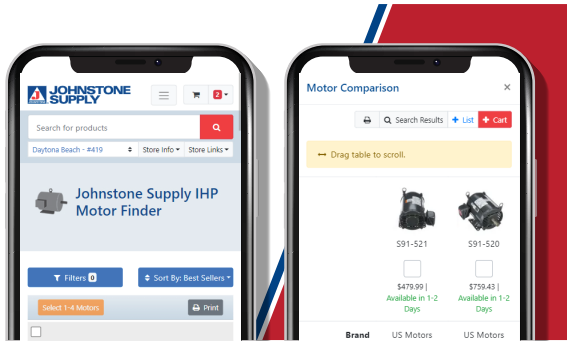

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True OEM Replacement Parts

Cabinet Hardware

Order #	Mfg. #	Description
B14-619	884900	Black Sliding Door Handle
G32-757	832103	Hinge Pin, .125 Dia X .626
G95-061	875587	Door Spring for GDM & T-series
G32-760	875545	15" Swing Door Handle SS
G32-761	879472	12" Swing Door Handle
G32-762	879473	11.625" Swing Door Handle
G95-069	872522	Top Door Channel for GDM 33
G32-767	829424	Keys (Set of 2) for C415A
G32-776	874100	Upper Latex Door Cord, 19
G32-777	995374	V-Roller
G32-747	832182	Brass Bushing SF1216-12
G32-750	830280	Caster 2-1/2", 1/2"Stem, Set of 4
G80-247	879281	Castor Kit 2-1/2" 27"Frame
G80-248	880201	Castor Kit 2-1/2" 23 3/4"Frame
G80-249	880202	Castor Kit 2-1/2" 23 3/4"Frame
G80-250	879285	Castor Kit 2-1/2", 27" Frame
G80-252	872066	Castor Kit 3"-27" Frame Set of 6
G80-253	872009	Castor Kit 4" 23-3/4" Frame
G80-256	872011	Castor Kit 4" 27" Frame Set of 6
B82-453	891858	Drain Pan, Metal for TPP-44/67/932
B82-454	810231	Drain Pan, Plastic for PLST 2 & 3 Door
B82-455	810230	Drain Pan, Plastic for PLST-22/23/26
B14-636	811501	Elbow Drain, Black
B14-637	811502	Elbow Drain, White
G32-763	810344	Grill End 11.187"
G32-768	874101	Lower Latex Door Cord, 19" (1/16" Dia.)
G32-769	872550	Nylon Door Cord
G32-771	872802	Ratchet Lock for Horizontal Units
G95-064	870338	Stainless Steel Lid 27-1/4" W for TSSU-48-12
G95-065	870381	Stainless Steel Lid 44-1/8" W for TSSU-12
G95-067	870364	Stainless Steel Lid 66" W for TSSU-72-30M
G95-068	870339	Stainless Steel Split Lid 34-3/4" W for TSSU-48-15
B82-456	810815	Drawer Gasket 25.8" x 13.4" for TUC-27D
B95-294	810804	Gasket for GDM 22-26
B82-457	810862	Gasket for GDM 23 & T23
B82-458	810803	Gasket for GDM 49 & T49
B82-459	810802	Gasket for GDM 72 & T72
B82-460	810812	Gasket for TPP/TUC/TWT 67
B82-461	810810	Gasket for TSSU/TUC/TWT 27
B82-462	810809	Gasket for TSSU/TUC/TWT 48
B82-463	810813	Gasket for TSSU/TUC/TWT 60
B82-464	872553	Gasket Wiper Kit, 51-1/2"
G38-026	220169	Cartridge Hinge Kit RH Black
G38-027	891336	Castor Leveling Shim 2" Diameter
G38-028	200962	2 Way Lever Connector 12-24G
G38-029	884605	Cord Pulley Kit 4) 832321 Pulley With Door Cords
G38-030	908863	Door Pulley Cover Nylon
G38-031	879863	Door Cord Nylon 4'
G81-021	988298	Door Jamb Gasket Kit 52-1/4"
G38-032	936124	Door Roller Assembly GDM Top Hung
G81-022	939673	Drawer Slide Assembly TML TTPP
B87-466	929086	Gasket For GDM-10 /F Wide
B87-467	810719	Gasket For GDM-19/23/49T-19/Wide
B87-468	811134	Gasket For GDM-35/T-35/F Wide
B87-469	810807	Gasket For GDM-35/T-35 Black Narrow
B87-470	810878	Gasket For T-23-2/49-4 Bottom Black
B87-471	810808	Gasket For T-23-2/49-4 Top Black
B87-472	811135	Gasket For T-72/T-72F Wide Black
B87-473	810772	Gasket For TA/TG/TR2/3F/R Black
B87-474	201950	Gasket For TBB-G Black
B87-475	934759	Gasket For TPP-60D/67D/93D/119D
B87-476	934757	Gasket For TPP-67/93/119 Wide
B87-477	810764	Gasket For TRCB-50/79 Black
B87-478	810720	Gasket For TRCB-52 Black
B87-479	932587	Gasket For TSSU/TUC/TWT-27 Wide
B87-480	932585	Gasket For TSSU/TUC/TWT-36 Wide
B87-481	932588	Gasket For TSSU/TUC/TWT-48/72 Wide
B87-482	932586	Gasket For TSSU/TUC/TWT-60 Wide
B87-483	968332	Gasket Kit For GDM-30 Frenchstyle
B87-484	978817	Gasket Kit GDM-36SI Frenchdoor
G81-023	955235	Recessed Handle Kit
B21-526	801849	Drain Tube Heater 32"/50" Lead
G38-033	870841	Hinge Kit Door BTM LH
G38-034	870842	Hinge Kit Door BTM RH
G38-035	870865	Hinge Kit Door-Top - Torsion Spring
G38-036	870838	Hinge Kit Door Top LH
G38-037	870837	Hinge Kit Door Top RH
G38-038	210219	Hinge Pin Kit
G38-041	801555	Leveling Screw 1/2-13 X 1-1/2
B21-527	831920	Drain Pan Wicking
G38-042	921493	Drain Pan Divider Drawer TRCB/TSSU
G38-043	926551	Pin 1/2" Diameter X 7/8" Wide/8-32
G38-044	913390	Pin Kit TPP Lid Hinges
G38-045	978607	Door Power Cord 20" X 4 X 18 Ga
G38-046	832321	Bearing Pulley SA-675
G38-047	829269	Reel Retriever 2.0 Lbs. Pull
G38-051	830517	Thumb Screw 8-32 X 9/16" Screw
G81-026	868264-038	Shelf For Gdm-10/12/15/10RF White Wire
G81-027	866315-038	Shelf For Gdm-33/33C/35White Wire
G81-028	997830-038	Shelf For Gdm-41 SI-48LD White
G81-029	890371-038	Shelf For Gdm-41 SI-54 White Wire
G81-030	864985-038	Shelf For Gdm-41 White Wire
G81-031	893801-038	Shelf For Gdm-43/T-43 White Wire
G81-032	864983-038	Shelf For Gdm-45/45HI White Wire
G81-033	868284-038	Shelf For Gdm-49F White Wire
G81-034	222501-038	Shelf For Gdm-49 White Wire
G81-035	222501-040	Shelf For T-49 Gray
G38-052	835560	Shelf Clip Kit 4Pc
B21-536	800321	Thermometer HB-120L Vertical
G81-036	929813	Trueflex 6-Bottle 24)929725
G81-037	929833	Trueflex 7-Bottle,7)929726
G81-038	929835	Trueflex 7-Bottle,8)929726
G81-039	929837	Trueflex 8-Bottle,8)929727
G81-041	883306	Wick Kit 1)894603 5)83192O Pads & 1)987103 15 1/4" Bar
G81-042	961804	Wick Kit 2)961803 20)831920 Pads 2) Brackets 961803 20) Pads 831920 4) Screws 830592
G38-054	874655	Wick Kit 5) Pads Set

Ice-O-Matic



GEMU090-Pearl® Self-Contained Under Counter Ice Machine

- Ideal for small-space applications such as suites for entertainment venues, break rooms, offices and cafés, and is approved for outdoor use
- Features soft, chewable, long-lasting Pearl Ice®
- Pure Ice® technology ensures protection from odor, bacteria and scaling
- Enjoy quiet operation and easy installation
- Daily production capacity listed is based on 70°F ambient and 50°F water
- 115V, 60 Hz

Order #	Mfg. #	Daily Production	Bin Storage Capacity	Width	Depth	Height	Wt. Lbs.
B74-959	GEMU090	85 Lbs.	22 Lbs.	14-7/8"	23-5/8"	33-1/3"	133

Ice-O-Matic



Undercounter Cubers

- Provides efficient ice production while utilizing approved, non-ozone depleting refrigerants
- Exhausts air only from front
- Harvest assist system delivers ice into bin faster, with less meltage, than other systems
- Daily production capacity listed is based on 70°F ambient and 50°F water
- 115V, 60 Hz

Order #	Mfg. #	Description	Daily Production	Bin Storage Capacity	Width	Depth	Height	Wt. Lbs.	Energy Star
B93-066	ICEU150FA	Full Cube (7/8" x 7/8" x 7/8")	174 Lbs.	100 Lbs.	24"	24"	39"	175	Y
B74-963	ICEU150HA	Half Cube (3/8" x 7/8" x 7/8")	174 Lbs.	100 Lbs.	24"	24"	39"	175	Y
B93-067	ICEU220FA	Full Cube (7/8" x 7/8" x 7/8")	238 Lbs.	100 Lbs.	24"	24"	39"	175	Y
B74-964	ICEU220HA	Half Cube (3/8" x 7/8" x 7/8")	238 Lbs.	100 Lbs.	24"	24"	39"	175	Y
B74-965	ICEU300HA	Half Cube (3/8" x 7/8" x 7/8")	309 Lbs.	112 Lbs.	30"	30"	39"	206	—

Ice-O-Matic



Storage Bins and Adapter

- Insulated on all sides and bottom with foamed-in-place polyurethane
- Non-corrosive bin liner and molded plastic door
- Stainless steel exterior, except **B93-078**, which has polyethylene molded exterior and interior
- Dependable storage for either cube or flaked ice
- Bin drains located at the bottom/center of cabinet
- **B93-084** is for combining wider bins with smaller ICE Series™ ice cube makers
- Storage capacity: 242 to 854 lbs.

Note: Modular system of cuber and bin sold separately.

Order #	Mfg. #	Description	Bin Storage Capacity	Width	Depth	Height	Wt. Lbs.
B94-718	B-42PS	Bin	351 Lbs.	22"	31.0"	50.0"	128
B93-078	B25PP	Bin	242 Lbs.	30"	31.0"	28.0"	74
B93-079	B40PS	Bin	344 Lbs.	30"	31.0"	37.5"	120
B93-080	B55PS	Bin	510 Lbs.	30"	31.0"	50.0"	148
B61-117	B110PS	Bin	854 Lbs.	48"	31"	50"	—
B93-084	KBT-5	Bin Top Adapter	—	48"	23.5"	1.0"	30

Nu-Calgon



Ice Guard Plus

- Dramatically reduces ice machine maintenance and cleaning
- Treatment will last up to 3 months under normal conditions
- All ingredients meet FDA guidelines
- Simply place in ice machine water sump after cleaning

Order #	Mfg. #	Each
B87-348	4209-07	**205.00**

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Cube Ice Dispensers

Ice-O-Matic

- User friendly push-to-dispense operation for all types of hospitality operation
- Stainless steel exterior
- Fits under 8' ceiling, even with optional ice maker mounted - adjustable legs allow for leveling and height adjustments (included)
- Turbo dispense dispenses 1/4 lb. of ice per second
- Sealed-in storage area with 180 lb. capacity
- Coin-operated models also available
- 115V, 60 Hz



Order #	Mfg. #	Bin Storage Capacity	Width	Depth	Height	Wt. Lbs.
B74-966	CD40022	120 Lbs.	22"	33-1/2"	53-1/4"	220
B93-083	CD40030	180 Lbs.	30"	33-1/2"	53-1/4"	224

Liquid Ice Machine Cleaners

Nu-Calgon

- Removes scale deposits from ice machines
- Made from food-grade phosphoric acid
- Fast and easy-to-use
- Use 8 oz. per three gallons of water



Hazardous Material Shipping Alert

Order #	Mfg. #	Size	Each
B80-922	4207-47	8 Oz.	**31.99**
B81-044	4207-08	1 Gallon	**275.00**

Nickel-Safe Ice Machine Cleaners

Nu-Calgon

- Specially formulated food-grade product, removes scale deposits from ice machines with nickel or tin-plated evaporators
- Meets Manitowoc specification #GES-6 and is approved by other manufacturers using nickel
- 2 to 3 fl. oz. of cleaner per gallon of water in ice machine



Hazardous Material Shipping Alert

Order #	Mfg. #	Size	Each
B81-173	4287-34	16 Oz.	**35.49**
B81-174	4287-08	1 Gallon	**215.00**

Ice Machine Sanitizer III

Nu-Calgon

- Concentrated formula designed for sanitizing ice machines, ice cream dispensers, and other commercial food preparation equipment
- Will eliminate odors and control bacteria, slime, mildew, and mold on all hard surfaces
- No rinsing required



Order #	Mfg. #	Size	Each
B82-548	4211-34	16 Oz.	**27.49**

Ice Machine UV Purifier

FRESHAIRE UV
The Indoor Air Quality Expert

- Inhibits mold growth and sterilizes pathogens in ice machines
- Reduces the need for expensive maintenance and cleaning with chemicals
- Comes with one or two 8" 2-year UV lamp(s) and a 120-277 VAC power supply
- Can be mounted on the lid between evaporator and deflector or mounted over the ice collection bin



Order #	Mfg. #	Description	Each
L82-118	TUV-ICE-ST	Single Lamp	**575.00**
L82-119	TUV-ICE-DT	Double Lamp	**929.00**

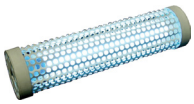
RGF ENVIRONMENTAL GROUP INC.

IMSB Ice Machine Treatment System

- For use in commercial ice machines to eliminate microbial growth that can cause biofilm or slime buildup



A



B

Fig.	Order #	Mfg. #	Description	Volts	Lamp Length	Wt. Lbs.	Each
A	**L82-584**	IMS-B-GA	Ice Machine Treatment System	110	—	10	**1245.00**
B	**L51-096**	PHIC-9A	IMSB-GA replacement cell	110	5"	0.1	**299.00**

JMF

Installation Kit



- For humidifiers, evaporative coolers, ice machines and domestic refrigeration
- Supplied with self-tapping valve that fits 3/8" to 1-1/4" OD copper tubing and installation fittings
- Pre-drill iron or brass pipe for valve installation
- Lead free

Order #
R57-400

JMF

EZ-ADD-A-VALVES

- Ideal for humidifier and evaporative cooler installations
- Full-slip compression or sweat styles
- 1/4" OD compression on shut-off valve
- Lead free



A



B

Fig.	Order #	Trunk Size	Each
A	**R57-447**	1/2" FSWT	**35.49**
A	**R57-448**	3/4" FSWT	**37.49**
B	**R57-449**	5/8" OD Compression	**55.00**
B	**R57-450**	7/8" OD Compression	**89.00**

Webstone VALVE INNOVATION

Pro-Pal T-Valve OD Compression Valves and Press Run

◀ NEW



- Full port forged DZR brass ball valve, with integrated tee fitting, adjustable packing gland, & reversible handle
- Ideal for branch connections and shut-offs in tight locations
- Replaces 3 components
- Eliminates 2 leak paths

Order #	Mfg. #	Model #	Conn. Size	Ball/Stem Material
R59-779 ◀	H-80670W-T12	H-x267	1/4"x1.2"	Brass
R59-780 ◀	H-80670W-T34	H-x267	1/4"x3/4"	Brass
R59-781 ◀	H-80671W-T12	H-x267	3/8"x1/2"	Brass
R59-782 ◀	H-80671W-T34	H-x267	3/8"x3/4"	Brass

RANCO

Commercial High Pressure Controls



- Replacements for ice makers manufactured by Manitowoc, Mile-High, Scotsman, Whirlpool and others
- High limit: 450 PSI
- SPDT switch electrical ratings:
- 24VAC – maximum pilot duty 125VA
- 120/208/240VAC — 20 FLA; 78 LRA; maximum pilot duty 240VA
- 277VAC — 7 FLA; 42 LRA; maximum pilot duty 240VA

Order #	Mfg. #	Reset Type	Cut-In PSI	Cutout PSI	Diff. PSIG	Each
B11-690	G23-5052	Automatic	290	375	50 to 125	**225.00**
B11-691	G23-5253	Manual	320	425	105 Fixed	**245.00**

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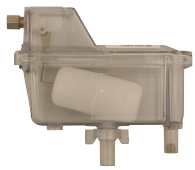
Valve and Reservoir Assemblies

For Ice Machines

- Direct replacement valve and reservoir assemblies used for Scotsman and Ice-O-Matic® ice machines
- Meets or exceeds NSF requirements
- All plastic materials are FDA approved
- Stainless steel float arm
- Size: 5" L x 4-1/2" H x 2-1/2" W
- Flow capacity of 0.426 GPM at 50 PSI



Order #	Mfg. #	OEM	Replaces	Description	Inlet Conn.	Each
B81-178	RM2241V457	Scotsman	02-2217-01	Brass/Plastic	Horizontal – 1/4" Comp. Nut	**355.00**
B81-180	RM2211V312	Mile High	9131032-01	Brass	Vertical – 1/4" Comp. Wing Nut	**359.00**
B81-181	RM2221JN	—	General Purpose	Brass	Vertical – 1/4" Comp. Wing Nut	**315.00**

Inlet Valve and Float Assemblies



Order #	Mfg. #	OEM	Replaces	Description	Inlet Conn.	Each
B11-740	RM292V508	Mile High	9131111-01	Brass	Vertical – 1/4" Comp. Nut	**105.00**
B11-741	RM292PN	General Purpose	—	Plastic	Vertical – 1/4" Comp. Nut	**85.00**
B11-761	RM29212N	Scotsman	02-2217-02	Brass/Plastic	Horizontal – 1/4" Comp. Nut	**95.00**

Universal Ice Machine Pump

Designed to Meet Manufacturer's Specifications on Most Ice Machines

- Base, impellers and discharge adapters molded from NSF approved thermoplastic
- 1/25 HP motor with upper and lower sealed ball bearings
- 115/230V, 4 lead wires — 3' in length
- Discharge adapters for 1/2", 5/8", 3/4" and 1" ID tubing
- Y-adapter included for 5/8" ID tubing



Order #	Mfg. #	Each
B82-642	545600	**325.00**

Commercial Ice Machine Water Valves S-55 Series

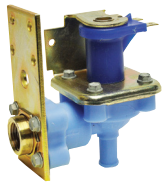
- Direct acting solenoid valves provide high flow at low head pressure
- Encapsulated coil provides high mechanical and dielectric strength, and is moisture resistant
- Bodies are made of polypro to withstand a variety of harsh water conditions
- Suitable for applications using water at temperatures up to 160°F (71°C)



Order #	Mfg. #	Replaces	Coil Voltage	Each
B19-098	IMV-1402	Scotsman 11051402 FN#K-55017-11	120	**185.00**
B19-099	IMV-1401	Scotsman 11051401 FN#K-55017-9	208/240	**165.00**

Commercial Ice Machine Water Valves S-53 Series

- Pilot-operated diaphragm provides high flow capacity with minimum power requirements
- Unique diaphragm design reduces unwanted particles from entering the armature area
- Armature is designed with clearances which minimize the possibility of jamming due to foreign materials
- Bodies are made of polypro to withstand a variety of harsh water conditions
- Suitable for applications using water at temperatures up to 160°F (71°C)



Order #	Mfg. #	Replaces	Coil Voltage	Flow Rate	Each
B19-101	IMV-2201	Scotsman 12292201 FN#K-74118-27	120	1.25GPM	**115.00**
B19-102	IMV-0402	Manitowoc 000000402 FN#K-76167-10	240	.75 to 3.00GPM	**105.00**

Robertshaw



Commercial Ice Machine Water Valves S-30 Series

- Single solenoid valve with a pilot-operated diaphragm provides high flow capacity with minimum power requirements
- Encapsulated coil provides high mechanical and dielectric strength, and is moisture resistant
- Unique diaphragm design reduces unwanted particles from entering the armature area
- Armature is designed with clearances which minimize the possibility of jamming due to foreign materials
- Bodies are made of polypro which provides high resistance to corrosion and mineral deposits suitable for applications using water at temperatures up to 160°F (71°C)

Order #	Mfg. #	Replaces	Coil Voltage	Flow Rate	Each
B19-097	IMV-529	Star - Wells Manufacturing 46529 FN#K-63315-18	240V 50/60HZ-10W	.75GPM	**99.00**
B19-103	IMV-865	Hoshizaki 4A086501 FN#K-63310-21	24V 50/60HZ- 7W	.75GPM	**119.00**
B19-100	IMV-1304	Scotsman 12231304 FN#K-63916-9	120V 50/60HZ-10W	.75GPM	**119.00**

WATTS®



Lead Free Water Pressure Regulators

- Use where space and cost limitations are important
- Used for drinking fountains, bubblers, water coolers, humidifiers, beer pumps, beverage dispensers, and paint spraying equipment
- For water or No. 2 fuel oil
- Forged brass body
- Initial pressures up to 300 PSI
- Female inlet and outlet connections
- Maximum temperature: 140°F
- Dimensions: 4-3/8" H x 2-1/8" L
- Weight: 1 lb.
- The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight

Order #	Mfg. #	Model #	Conn. Size	Outlet Pressure Range PSI	Outlet Pressure Preset PSI
2-Way Configuration					
R56-222	0009811	LF26A	1/4" x 1/4"	3–50	15
R56-223	0009815	LF26A	3/8" x 3/8"	3–50	15
R56-224	0009820	LF26A	1/2" x 1/2"	10–125	25

Order #	Mfg. #	Model #	Conn. Size	Outlet Pressure Range PSI	Outlet Pressure Preset PSI
3-Way Configuration					
R56-267	0009821	LF263A	1/4" x 1/4"	3–50	15
R56-268	0009827	LF263A	3/8" x 3/8"	3–50	15
R56-269	0009835	LF263A	1/2" x 1/4"	3–50	15

Supco®



In-Line Water Filters

Carbon and Carbon/Polyphosphate Types

- For domestic refrigerators with ice makers and/or water dispensers, coffee machines, vending machines, ice machines requiring up to one gallon maximum flow
- **R53-881** and **R53-882** have phosphate to reduce hard water deposits in hot water applications
- Constructed of all FDA approved or NSF listed materials
- Filter particulates as small as 20 microns in size
- Effectively remove or reduce chlorine; rust; dirt; sand; sediment; bad taste; odor; and organic substances
- Two 1/4" compression outlet fittings
- Maximum operating conditions: 125 PSI; 100°F

Order #	Mfg. #	Gallon Capacity	Filter Media Carbon	Filter Media Phosphate	Type	Size	Each
R53-590	RT61000C	1,000	8.25 Cu. In.	—	Carbon	2" x 6"	**43.49**
R53-883	RT103000C	3,000	16.50 Cu. In.	—	Carbon	2" x 10"	**44.49**
R53-881	RT61000CP	1,000	6.25 Cu. In.	2 Oz.	Carbon/Phosphate	2" x 6"	**45.99**
R53-882	RT103000CP	3,000	12.50 Cu. In.	4 Oz.	Carbon/Phosphate	2" x 10"	**46.99**



Replacement Cartridges by BevGuard®

- Plastic housing
- NSF Certified
- Economical alternative to expensive filter substitutes
- Up to 3x's the life of competitive filters
- NO Activation required
- Carbon Block Technology offers up to 25% greater flow rates (Except BGC-2100, BGC-3100S)
- BGE-1200S, BGE-3200, BGE3200S have metal housing

Order #	Mfg. #	Replaces	Micron Filter Rating	Flow Rate	Gallon Capacity	Type	Each
W69-649	BGE-1200S	2CLM-S, BH, BH2, OCS, OCS2, OW200L, OW2-Plus, OW4-Plus	0.5	1.67 GPM	6,000	Turbidity, Scale, Taste & Odor	**235.00**
W69-650	BGE-3200	MC, XC, MH, 4CB5, 7CB5, 4FC5, 7FC5, 4FC, 7FC - CFS9112, CFS9720, CFS9720EL, CFS9812X, CFS9812ELX	0.5	2.5 GPM	29,000	Turbidity, Taste & Odor	**295.00**
W69-651	BGE-3200S	i2000, i4000, 4FCS, 7FCS, 7CB5-S, 7CB5-K, 4FC5S, - CFS9112-S, CFS9112EL-S, CFS9812X-S, CFS9812ELX-S, CFS9710-S, CFS9720-S	0.5	2.5 GPM	29,000	Turbidity, Scale, Taste & Odor	**315.00**
W69-652	BGP-1200S	OCS, BH	0.5	1.67 GPM	8,000	Turbidity, Scale, Taste & Odor	**125.00**

continued on next page

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Order #	Mfg. #	Replaces	Micron Filter Rating	Flow Rate	Gallon Capacity	Type	Each
W69-653	BGP-1300S	2CB5-S, 4CB5-S, CV, EFS8002-S - CFS9710-S, CFS9720, SCF-S9720EL-S	5.0	1.67 GPM	8,000	Turbidity, Scale, Taste & Odor	**125.00**
W69-654	BGP-2200	2FC, 4FC, MC, MC2, XC, XC2 - CFS9112, CFS9112EL, CFS9812X, CFS9812ELX	0.5	1.67 GPM	23,000	Turbidity, Taste & Odor	**149.00**
W69-655	BGP-2200S	i2000, i4000, OCS, BH, MH - CFS9112-S, CFS9112EL-S, CFS9812X-S, CFS9812ELX-S	0.5	1.67 GPM	23,000	Turbidity, Scale, Taste & Odor	**155.00**
W69-656	BGP-2300	2CB5, 2CB5-K, 4CB5, 4CB5-K - CFS9720, 9720EL	5.0	1.67 GPM	10,000	Turbidity, Taste & Odor	**149.00**
W69-657	BGC-2100	CFS8110	5.0	5 GPM	N/A	Particle Removal	**129.00**
W69-658	BGC-2200	CFS8112, CFS8812X, CFS8112EL, CFS8812ELX	0.5	1.67 GPM	20,000	Turbidity, Taste & Odor	**155.00**
W69-659	BGC-2200S	CFS8112-S, CFS8812X-S, CFS8112EL-S, CFS8812ELX-S	0.5	1.67 GPM	20,000	Turbidity, Scale, Taste & Odor	**165.00**
W69-660	BGC-2300	CFS8720, CFS8720EL, EFS8002, CU	5.0	1.67 GPM	10,300	Turbidity, Taste & Odor	**155.00**
W69-661	BGC-2300S	CFS8720-S, CFS8720EL-S, EFS8002-S, CU-S	5.0	1.67 GPM	10,300	Turbidity, Scale, Taste & Odor	**165.00**
W69-662	BGC-3100S	CFS8110-S	5.0	7.5 GPM	N/A	Scale & Particle Removal	**149.00**
W69-663	BGH-3200S	Hoshizaki: 4HC-H, HC, HC-H, HF, HF-H, PRO 3500	0.5	2.1 GPM	29,000	Turbidity, Scale, Taste & Odor	**359.00**
W69-664	BGP-2300S	CFS9720S, CFS9710S, CFS9110-S, CFS9720EL-S	5.0	2.67 GPM	10,000	Turbidity, Scale, Taste & Odor	**155.00**

In-Line Water Filters

Nu-Calgon

- For ice machines and other commercial water applications
- Removes silt, sediment, objectionable tastes and odor
- 6R Micromet® for scale control, activated carbon for taste and odor removal, and sediment removal down to 20 microns
- Micro-Plus 4 and 8 for scale and taste/odor
- Micro-Plus Carbon for taste/odor
- Comes with 1/4" FPT connections, allowing use of flare or compression fittings or Quick-Disconnect plugs



Order #	Mfg. #	Description	Daily Volume Water	Daily Volume Ice	Each
R54-672	4612-W3	Micro-Plus 4	25 Gal.	250 Lbs.	**135.00**
R54-673	4613-Y8	Micro-Plus 8	50 Gal.	500 Lbs.	**195.00**
R54-674	4617-24	Micro-Carbon 4	50 Gal.	500 Lbs.	**69.00**

Everpure® Water Filtration

For Ice Machines, Beverage Equipment or Steam Equipment

Nu-Calgon

- The i2000² and i4000² feature 1/2 micron precoat filtration with 6R® Micromet scale control, objectionable taste and odor removal, cyst reduction, NSF certification, and MicroPure®II media antibacterial protection



A



B



C

Fig.	Order #	Mfg. #	Description	Application	Gallon Capacity	Each
A	**R87-736**	9612-27	i2000² Cartridge	Scale, Taste, Odor & 1/2 Micron Particulate Removal	9,000	**275.00**
A	**R87-737**	9612-37	i4000² Cartridge	Scale, Taste, Odor & 1/2 Micron Particulate Removal	12,000	**315.00**
A	**R87-738**	9612-55	MC² Cartridge	Taste, Odor & 1/2 Micron Particulate Removal	9,000	**245.00**
A	**R87-739**	9613-97	XC² Cartridge	Taste, Odor & 1/2 Micron Particulate Removal	12,000	**305.00**
A	**R87-740**	9618-26	7CB5-S	High Particulate, Scale, Odor, Taste, & Contaminate Control	10,000	**289.00**
B	**R87-741**	9272-41	QC7I Single Filter Head	For Mounting Single Cartridge	—	**655.00**
B	**R87-742**	9272-22	QC7I Twin Parallel Filter Head	For Mounting Twin Cartridges	—	**1199.00**
B	**R87-743**	9272-23	QC7I Triple Parallel Filter Head	For Mounting Triple Cartridges	—	**1745.00**
—	**R88-160**	9606-51	4SI Cartridge	Scale, Particulate Removal & Cyst Reduction	25,000	**245.00**
C	**R87-745**	9795-80	EC10 10" Black Housing & Coarse Prefilter	10 Micron Pre-Filter for Mounting Prior to QC7I Filtration System	—	**269.00**
—	**R55-952**	3114-34	Coarse Prefilters for Wing Bracket Assembly for EC10	For Mounting the EC-10 Coarse Prefilter	—	**175.00**
C	**R87-744**	9798-45	SRX Scale Inhibitor Feeder with 1 Scale Inhibitor Cartridge	Scale Inhibitor Feeder, Mounts After QC7I Filtration System	—	**669.00**
—	**R55-951**	3114-35	SRX Wing Bracket Assembly	For Mounting the SRX Feeder After QC7I Filtration System	—	**265.00**

High Capacity Filter Cartridges



- 25,000 gallon filter capacity for extended filter life
- **R87-970** designed for ice machine use

Order #	Mfg. #	Gallon Capacity	Each
R87-968	9692-61	25,000	**609.00**
R87-969	9692-71	25,000	**629.00**
R87-970	9606-01	35,000	**555.00**

Water Filter Cartridges

- For use with NP48DD housing shown below
- Perfect way to treat "problem specific" larger systems economically
- 6R Micromet® for scale control, activated carbon for taste and odor removal and sediment removal down to 20 microns
- All series "48" cartridge "Daily Volume" ratings are based on a six month life; higher than listed volume ratings can be handled, but at a reduced life expectancy
- **R54-676** is replacement cartridge for **R87-745** Everpure Prefilter



A



B



C



D

Fig.	Order #	Mfg. #	Description	Daily Volume Water	Daily Volume Ice	Each
A	**R54-675**	4711-87	NP48C Carbon	400 Gal.	3,200 Lbs.	**215.00**
B	**R54-676**	4712-87	NP48S Sediment	400 Gal.	3,200 Lbs.	**23.99**
C	**R54-677**	4715-87	NP486R Micromet	200 Gal.	1,800 Lbs.	**339.00**
D	**R54-678**	4716-87	NP48PC Phos/Carbon	130 Gal.	1,200 Lbs.	**295.00**

Accessories for NP48 Series Water Filter Cartridges

- Gauge (purchased separately) helps to determine when cartridge needs to be changed



A



B

Fig.	Order #	Mfg. #	Description	Application	Each
A	**R54-679**	4714-24	NP48DD Housing	Housing for "48" Size Cartridge	**215.00**
B	**R54-680**	NP2BR	Bracket	For Installing 2 NP Housings in a Series	**105.00**
B	**R54-681**	NB3BR	Bracket	For Installing 3 NP Housings in a Series	**145.00**

Cuno® Replacement Water Filters



- Equal replacements for Cuno Series 8000 filter cartridges in food service and vending machine applications
- Carbon block filter in both cartridges polishes water for high quality beverages and ice, reduces chlorine tastes and odor, and other offensive contaminants
- Also reduce extra fine dirt as small as 5 microns
- **R87-760** also provides scale formation reduction
- 10,000 gallon capacity
- 1.5 GPM flow

Order #	Mfg. #	Replaces	Each
R87-759	9781-12	CFS-S112S, CFS-8720S, CFS-8812S	**235.00**
R87-760	9781-10	CFS-8112, CFS-8720, CFS-8812	**215.00**

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Water Filter Assemblies and Replacement Filters

Ice-O-Matic

Extends Warranty on New ICE-O-Matic® Cube Ice Makers Filters

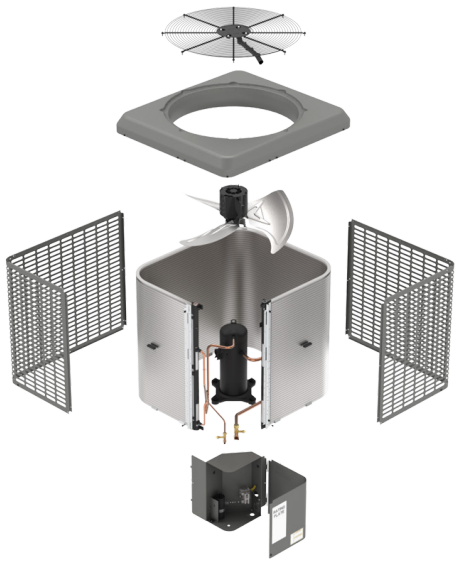
- Purchase ICE-O-Matic water filter with new ICE-O-Matic Cube ICEMaker, replace the water filter every 6-months, and the evaporator is covered for 7-years — parts and labor
- 1 Micron filter — removes sediment, scale and chlorine
- Cartridge is NSF listed under ANSI/ NSF Standard 042-Aesthetic Effects, Taste, and Odor Reduction — Chlorine Reduction, Class II
- IFQ manifold includes filter cartridge with FDA approved scale inhibitor, inlet shut-off valve and quick-connect fittings



Order #	Mfg. #	Description	For Use With	Micron Filter Rating	Flow Rate	Each
Replacement Cartridges						
B82-708	IOMQ	Filter Cartridge	IFQ1 & IFQ2 manifolds	1.5	0.5	**349.00**
B82-706	IFQ1	Single Manifold	Up to 1,000 Lbs. Ice /Day	1.5	0.5	**925.00**
Ice Machine Systems						
B82-707	IFQ2	Twin Manifold	Over 1000 Lbs.Ice /Day	3.0	0.5	**2199.00**
B81-493	IOMWFRC	With Male Quick Connect Fittings	IF1, IF2, IF3 & IF4 manifolds	3.0	0.5	**349.00**

MODEL to PART

Critical Parts When You Need Them



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Note: Must have a Johnstone Supply account

Parker



Suction Accumulators

- Specifically designed for heat pumps
- Solid copper connections
- "U" tube design for maximum flow of refrigerant and minimum oil entrapment
- Powder paint exterior coating surpasses 500 hour ASTM salt spray tests
- Integral 430°F fusible plugs
- Capacity rating listed below is holding capacity, in ounces, of R22 at 40°F; divide by 0.7 to obtain recommended maximum system charge on fixed orifice systems

Order #	Mfg. #	R22 Capacity	Diam.	Height	Conn. Size	Wt. Lbs.	Each
B82-098	VA314S	35	3"	10-3/8"	1/2" ODF	3.0	**229.00**
B82-099	VA315S	35	3"	10-3/8"	5/8" ODF	3.0	**255.00**
B82-100	VA355S	55	3"	15"	5/8" ODF	4.0	**265.00**
B82-101	VA356S	55	3"	15"	3/4" ODF	3.5	**259.00**
B81-391	PA-4065-9-5C	60	4"	9-5/8"	5/8" ODF	4.0	**295.00**
B13-668	PA4065-9-6C	58	4"	9-5/8"	3/4" ODF	3.5	**275.00**
B81-392	VPA589-6SRD	89	5"	9-5/8"	3/4" ODF	5.0	**295.00**
B13-671	VPA589-7SRD	86	5"	9-5/8"	7/8" ODF	5.0	**299.00**
B13-669	VPA5811-6SRD	111	5"	11-3/8"	3/4" ODF	5.5	**315.00**
B13-670	VPA5811-7SRD	108	5"	11-3/8"	7/8" ODF	5.0	**325.00**
B81-393	VPA5812-7SRD	125	5"	12-7/8"	7/8" ODF	7.0	**329.00**
B82-102	VPA5815-7SRD	156	5"	15-3/8"	7/8" ODF	6.5	**335.00**
B82-103	VPA5817-7SRD	179	5"	17-1/4"	7/8" ODF	5.0	**379.00**
B82-104	VA610-9SRD	211	6"	15"	1-1/8" ODF	18.0	**609.00**
B82-105	VA611-11SRD	214	6"	15-1/4"	1-3/8" ODF	20.0	**655.00**
B82-106	VA611-9SRD	264	6"	18"	1-1/8" ODF	21.0	**645.00**
B82-107	VA615-11SRD	302	6"	20-1/4"	1-3/8" ODF	24.0	**689.00**

Westermeyer Industries Inc.
A COMPANY OF MUELLER INDUSTRIES



Suction Accumulators

Vertical Mount

- Acts as temporary holding vessel between evaporator outlet and compressor inlet
- Traps liquid charge and allows it to be evaporated and fed to compressor at a controlled rate
- Internal U-tube includes an orifice which ensures proper metering of oil back to compressor
- Welded and brazed design for higher strength
- Nickel plated connections
- Screened orifice for proper oil return
- Powder paint finish
- UL fusable plug rated to 430°F

Order #	Mfg. #	R134a Capacity	R22 Capacity	R404A/R507 Capacity	Diam.	Height	Conn. Size	Wt. Lbs.	Each
B81-388	A5-07B	6	6	5	5"	13"	7/8" ODF	11	**535.00**
B81-389	A6-11W	12	12	10	6"	15"	1-1/8" ODF	13	**515.00**
B81-390	A6-13Z	18	17.5	15	6"	20-1/4"	1-3/8" ODF	18	**539.00**
B81-686	A6-15	15	14.5	12.5	6"	24-3/4"	1-5/8" ODF	23	**655.00**
B81-687	A8-21	29.5	29	25	8-5/8"	20-1/8"	2-1/8" ODF	41	**1445.00**

Westermeyer Industries Inc.
A COMPANY OF MUELLER INDUSTRIES



Receivers

Vertical Mount

- Holds excess refrigerant between condenser and expansion device
- Designed with liquid capacities in accordance with ASHRAE standards
- Maximum working pressure of 450 PSI
- Powder paint finish
- Includes rotolock valve

Order #	Mfg. #	R134a Capacity	R22 Capacity	R404A/R507 Capacity	Diam.	Height	Conn. Size	Wt. Lbs.	Each
B81-385	R35-01S	2.5	2.5	2	3-1/2"	7-1/2"	1/4" SAE x 1/4" SAE	3	**335.00**
B81-386	R5-01	6.5	6.5	5.5	5"	10"	3/8" SAE x 3/8" SAE	8	**385.00**
B81-387	R6-01	12	11.5	10	6"	12"	3/8" SAE x 3/8" SAE	11	**399.00**
B81-688	R6-02	17.5	17.25	15	6"	18"	1/2" SAE x 1/2" SAE	17	**475.00**

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Oil Level Regulator

- Float regulator to control oil level in compressor crankcase
- Attach directly to sight glass housing on compressor crankcase
- 450 PSIG maximum working pressure
- Universal mounting flange
- Powder paint finish



Order #	Mfg. #	Description
B12-545	45-002	3-Bolt Replacement Sight Glass

Oil Reservoirs

- Holding vessel for stand-by oil necessary for an oil control system
- 100 PSI maximum working pressure
- Complete with 3/8" SAE inlet (top) and outlet (bottom) rotalock valves
- Additional 3/8" SAE connection off top of vessel for a vent line to suction line
- UL approved



Order #	Mfg. #	Height	Diam.	Sight Glass	Conn. Size	Capacity
B81-566	OR6-2	15.5"	6"	2	3/8" SAE x 3/8" SAE	2 Gallon
B92-623	OR6-4	33.5"	6"	3	3/8" SAE x 3/8" SAE	4 Gallons

Reservoir Pressure Valves



Order #	Mfg. #	Conn. Size	Pressure Setting
B12-543	VV-10	3/8" SAE M x F	5 lbs.
B12-544	VV-20	3/8" SAE M x F	—

Centrifugal Oil Separators

- Centrifugal oil separator feature a centrifugal flow path achieving approximately 99% efficiency of oil separation
- Low pressure drop throughout the entire range of velocities found in a refrigeration system
- 1/8" NPT oil drain fitting at bottom of separator
- UL approved
- Additional sizes available on request
- Ratings below are maximum capacity in tons at listed evaporator temperatures
- Automatic internal float valve oil return



Order #	Mfg. #	R12/R134a Capacity @ 40°F	R12/R134a Capacity @ -40°F	R22/R502 Capacity @ 40°F	R22/R502 Capacity @ -40°F	R404A/R507 Capacity @ 40°F	R404A/R507 Capacity @ -40°F	Oil Conn.	Conn. Size	Diam.	Height	Oil Charge Amount
B81-561	OS4-07C	7.0	6.0	10.0	9.0	9.0	8.0	3/8" SAE Flare	7/8" ODS	4"	17"	15 oz.
B81-562	OS4-11C	10.0	8.0	13.0	12.0	12.0	11.0	3/8" SAE Flare	1-1/8" ODS	4"	19"	15 oz.
B81-563	OS6-13C	13.0	10.0	18.0	16.0	19.0	15.0	3/8" SAE Flare	1-3/8" ODS	6"	15"	40 oz.
B81-564	OS6-15C	17.0	15.0	20.0	23.0	24.0	19.0	3/8" SAE Flare	1-5/8" ODS	6"	17"	40 oz.
B81-565	OS6-21C	27.0	23.0	38.0	32.0	39.0	30.0	3/8" SAE Flare	2-1/8" ODS	6"	17"	40 oz.

Oil Level Controls And Adapters

- Regulates oil flow to compressor crankcase
- Maintains minimum oil level as specifed by compressor manufacturer
- Adjustable between 1/2 sightglass and 1/4 sightglass at 5 to 90 PSI differential
- **B17-522** has 3/8" SAE equalization connection for oil tranfer between a series of compressors
- Adapters contain adapter, bolts, nuts, O-ring and sightglass (except on AOL-R1) for various compressors (See Parker's literature for additional compressor models)



Order #	Mfg. #	Description	For Use With	Conn.	Each
B17-521	PL60CH	Oil Level Control	—	3 Bolt, 1-7/8" Bolt Center	**1099.00**
B17-522	PL60XH	Oil Level Control	—	3 Bolt, 1-7/8" Bolt Center	**1199.00**
B17-524	AOL-MA/TE	Compressor Mounting Adapter	Bitzer, Maneurop, Tecumseh	1-1/8" — 18 Thread	**385.00**

Oil Differential Check Valves



- Maintains oil pressure at a preset level above suction pressure
- Pressure differential allows oil flow to the level control
- Installed in 3/8" SAE connection on top of oil reservoir

Order #	Mfg. #	Diff. PSIG	Each
B17-467	PCV-5	5	**199.00**
B17-468	PCV-10	10	**205.00**
B17-469	PCV-20	20	**195.00**
B17-470	PCV-30	30	**199.00**

Oil Filters


A


B

- 99% removal of 3 micron sized particles; 98% of 2 micron
- Element uses pleated design for maximum surface area
- High flow capacities with low pressure drop
- Inert microglass filter ensures lubricant compatibility
- Available as sealed filter or shell type with replaceable filter element
- **B17-471** has 3/8" connections

Fig.	Order #	Mfg. #	Description	Each
A	**B17-471**	PF303-T	Oil Filter Sealed Type	**609.00**
B	**B17-472**	POF413T	Oil Filter Shell - Filter Not Included	**659.00**
—	**B17-473**	PFE-1	Filter Element with Gasket	**365.00**

AOFD Oil Filter-Drier



- Designed specifically for systems using POE oil
- Operates at very low pressure drop
- 10 micron filtration for optimum oil cleaning

Order #	Mfg. #	Description	Each
B13-933	AOFD-55-3	Oil Filter-Drier	**225.00**

Oil Separator Filter Replacement Kits



- Replacement filter kits include the appropriate hardware to service the filter element in coalescing oil separators

Order #	Mfg. #	Type	For Use With	Diam.	Length	Each
B21-101	90-050K	Standard Filter	62034000, 922R/923R, COS4-05F/COS4-07F	1"	5"	**135.00**
B21-102	90-051K	Standard Filter	62034000, 924R/925R, COS4-11F/COS4-13F	2"	8-5/8"	**235.00**
B14-688	90-058K	Standard Filter	62058000, 928/928R	3-1/2"	14"	**399.00**
B82-534	90-059K	Standard Filter	62058000, 928/928R	5-1/8"	16"	**535.00**
B82-535	90-060K	Standard Filter	62085000, 930/930R	8-1/2"	16"	**825.00**
B21-103	100-010TK	Gasket	62085000, 62034000, OS6-13FC, OS6-15FC, OS6-21FC, W-1902C, COS4-05F, COS4-07F, 924R, 925R, COS4-11F, COS4-13F, 923R, 930, 930R ,922R, 90-050K, 90-051K, 90-058K, 90-059K, 90-060K	—	—	**85.00**

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Low Pressure Coalescing Oil Separators

- Coalescent filter-separator, filters down to 0.3 microns
- Continually works at 99% separating efficiency regardless of oil velocity
- Maximum working pressure 450 PSIG
- Capacity ratings listed below are nominal; capacity



Order #	Mfg. #	Type	R12/R134a Capacity @ 40°F	R12/R134a Capacity @ -40°F	R22/R502 Capacity @ 40°F	R22/R502 Capacity @ -40°F	Oil Conn.	Conn. Size	Diam.	Height	Oil Charge Amount
B21-093	COS4-03	Sealed Unit	2.12	0.66	3.25	0.55	1/4" ODS	3/8" ODS	4"	8.25"	15 Oz.
B21-094	COS4-03-1	—	—	—	—	—	—	—	—	—	—
B21-095	COS4-04	Sealed Unit	2.12	0.66	3.25	0.55	1/4" ODS	1/2" ODS	4"	8.38"	15 Oz.
B21-096	COS4-05	Sealed Unit	5.67	1.77	8.7	1.34	1/4" ODS	5/8" ODS	4"	10.56"	15 Oz.
B21-097	COS4-07	Sealed Unit	5.67	1.77	8.7	1.34	1/4" ODS	7/8" ODS	4"	10.88"	15 Oz.
B21-098	COS4-11	Sealed Unit	14.18	4.43	21.76	3.34	3/8" SAE	1-1/8" ODS	4"	15.37"	15 Oz. Precharge Amount
B21-099	COS4-13	Sealed Unit	14.18	4.43	21.76	3.34	3/8" SAE	1-3/8" ODS	4"	17.38"	15 Oz. Precharge Amount
B87-204	COS4-11F	Servicable Unit	14.18	4.43	21.76	3.34	3/8" SAE	1-1/8" ODS	4"	21"	16 Oz. Precharge Amount
B87-205	COS4-13F	Servicable Unit	14.18	4.43	21.76	3.34	3/8" SAE	1-3/8" ODS	4"	21"	16 Oz. Precharge Amount
B87-206	OS6-15FC	Servicable Unit	50.30	15.72	77.2	11.86	3/8" SAE	1-5/8" ODS	6"	29"	25 Oz. Precharge Amount
B87-207	OS6-21FC	Servicable Unit	50.30	15.72	77.2	11.86	3/8" SAE	2-1/8" ODS	6"	29"	25 Oz. Precharge Amount
B87-208	COS4-11FR	Seperator / Resevoir	14.18	4.43	21.76	3.34	3/8" SAE	1-1/8" ODS	4"	29"	.85 Gal. Oil Capacity
B87-209	COS4-13FR	Seperator / Resevoir	14.18	4.43	21.76	3.34	3/8" SAE	1-3/8" ODS	4"	29"	.85 Gal. Oil Capacity
B60-301	OS6-15FCR	Seperator / Resevoir	50.30	15.72	77.2	11.86	3/8" SAE	1-5/8" ODS	6"	34"	2 Gal. Oil Capacity
B60-302	OS6-21FCR	Seperator / Resevoir	50.30	15.72	77.2	11.86	3/8" SAE	2-1/8" ODS	6"	34"	2 Gal. Oil Capacity

Pressure Differential Indicator

- Indicates when a replacement filter is needed in oil separators
- Visual indicator gauge displays pressure difference at the filter
- For use with all Coalescent Oil Separators
- 60 watts, 24V AC/DC, 3 amp leads
- 1/4" inlet/outlet



Order #	Mfg. #	Each
B21-100	DP-01	**1145.00**

Impingement Oil Separators

- Traditional impingement-type oil separator, typically for low temperature systems
- Accessible to allow field repair or replacement of the impingement screen
- 450 PSIG maximum working pressure
- Many additional models available upon request
- Capacity ratings listed below are nominal capacity in tons at listed evaporator temperature



Order #	Mfg. #	R12/R134a Capacity @ 40°F	R12/R134a Capacity @ -40°F	R22/R502 Capacity @ 40°F	R22/R502 Capacity @ -40°F	Oil Conn.	Conn. Size	Diam.	Height	Oil Charge Amount
B87-200	OSH4-04FAA	1.83	1.51	2.8	2.38	1/4" SAE	1/2" ODS	4.0"	10.25"	15 Oz.
B87-201	OSH4-05FAA	3.66	3.02	5.6	4.75	1/4" SAE	5/8" ODS	4.0"	13.25"	15 Oz.
B87-202	OSH4-07FAA	5.49	4.49	8.4	7.14	1/4" SAE	7/8" ODS	4.0"	17.75"	15 Oz.
B87-203	OSH4-11FAA	7.32	6.04	11.2	9.52	1/4" SAE	1-1/8" ODS	4.0"	17.75"	15 Oz.

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Coaxial Tube-in-Tube Water-Cooled Condensers



- Designed for use as water cooled condensers
- Standard sizes for 1/2 through 7 ton systems
- Simplicity of design and installation
- Includes mounting brackets
- Maximum working pressure of 500 PSIG water side; 600 PSIG refrigeration side
- **B86-966** thru **B86-969** left hand coil helical
- **B87-083** thru **B87-086** right hand coil helical
- **B86-970** thru **B86-972** right hand coil spiral
- Cupro-nickel and larger sizes available online

Order #	Mfg. #	Nom. HP	C	D	H
B86-966	C-6601-03	1/2	9.75" L	6.38" H	7.38" W
B86-967	C-6602-03	3/4	9.75" L	7.38" H	7.38" W
B86-968	C-6603-03	1	9.75" L	8.38" H	7.38" W
B86-969	C-6604-03	1-1/2	12.50" L	7.00" H	10.5" W
B87-083	C-6601-01	1/2	9.75" L	6.38" H	7.38" W
B87-084	C-6602-01	3/4	9.75" L	7.38" H	7.38" W
B87-085	C-6603-01	1	9.75" L	8.38" H	7.38" W
B87-086	C-6604-01	1-1/2	12.50" L	7.00" H	10.50" W

Order #	Mfg. #	Nom. HP	C	D	H
B86-970	C-6605-01	2	14.50" L	7.38" H	13.25" W
B86-971	C-6606-01	2-1/2	15.00" L	7.38" H	13.25" W
B86-972	C-6607-01	3	15.88" L	7.88" H	15.38" W
B86-973	C-6608-01	3-1/2	17.25" L	7.88" H	15.38" W
B86-974	C-6609-01	4	19.00" L	8.88" H	18.13" W
B86-975	C-6610-01	5	19.75" L	8.88" H	18.38" W
B86-976	C-6612-01	7	19.5" L	10.88" H	19.5" W

Shell and Tube Condensers



- Epoxy coated water plates and tube sheets to prevent pitting caused by galvanic action; heavy wall copper tube for long life
- Generous pumpdown capacities
- 450 PSI shell side (refrigerant) working pressure
- 150 PSI tube side (fluid) working pressure
- Use **B12-053** relief valve for condensers with 3/8" safety connection and **B12-057** relief valve for condensers with 1/2" safety connection
- Custom models available through 800 HP

Order #	Mfg. #	Nom. HP	Pumpdown Capacity	Water Flow Max. GPM	Diam.	Length	Inlet Conn.	Outlet Conn.	Safety Conn.	Fluid Conn.	Wt. Lbs.
B81-726	HPC-100A	1	17 Lbs.	6.7	6"	22"	5/8"	1/2"	3/8"	1/2"	35
B81-727	HPC-200A	2	15 Lbs.	20.1	6-5/8"	22"	7/8"	5/8"	3/8"	3/4"	56
B92-701	HPC-300A	3	21 Lbs.	20.1	6-5/8"	28-5/8"	7/8"	5/8"	3/8"	3/4"	71
B92-702	HPC-500A	4	33 Lbs.	33.5	8-5/8"	28"	1-1/8"	5/8"	1/2"	1-1/4"	90
B92-703	HPC-750A	7.5	30 Lbs.	46.9	8-5/8"	27-9/16"	1-3/8"	7/8"	1/2"	1-1/4"	109
B92-704	HPC-1000A	10	58 Lbs.	80.4	8-5/8"	46-7/16"	1-3/8"	7/8"	1/2"	1-1/2"	159
B92-705	HPC-1500A	15	65 Lbs.	93.8	8-5/8"	52"	1-3/8"	1-1/8"	1/2"	1-1/2"	180

Brackets for Shell and Tube Condensers



- Mounting brackets can be used to install horizontal receivers and condensers
- Includes the mounting hole locations
- Brackets are powder painted black

Order #	Mfg. #	Type	Diam.
B12-868	BK-06B	Universal	5.5"
B12-869	BK-06A	Universal	6.26"
B12-870	BK-08A	Universal	8.5"

CB Chiller Builder Kits

Chiller Barrel is Included

- If you need an easy to assemble a low side package that utilizes the smallest, most powerful, and efficient chiller then Standard Refrigeration's Chiller Builder Kit is what you're looking for
- Uses super compact TX chiller barrel
- Brand name components
- Single or dual circuit options
- Available in ranges from two to 30 tons
- Entire kit can be assembled in less than one hour
- Three and four circuit models; ideal for achieving up to 20 tons with single phase compressors
- Includes: framework, control power supplies, temperature controls, freezestat, low pressure switch, flow switch, expansion valve, sight glasses, solenoids and custom piping
- Available at participating Johnstone Supply locations

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Water Regulating Valves

- Direct acting modulating water valves open on pressure increase
- Suitable for use on either closed or open systems
- Range spring does not come in contact with cooling water
- Easy manual flushing
- 30" capillary with 1/4" flare nut
- **B82-030** 1/4" male flare only
- 170°F maximum water temperature
- 150 PSIG maximum water pressure
- Cast iron valve body with special finish

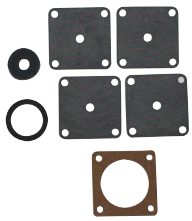
Fig.	Order #	Mfg. #	Pressure Range PSIG	Conn. Size	Each
A	**B10-840**	V46AA-1C	70–260	Threaded	**435.00**
A	**B10-841**	V46AB-1C	70–260	Threaded	**469.00**
A	**B10-842**	V46AC-1C	70–260	Threaded	**579.00**
A	**B13-459**	V46AD-1C	70–260	Threaded	**1245.00**
A	**B82-028**	V46AE-1C	70–260	Threaded	**1345.00**
B	**B82-029**	V46AR-1C	70–260	4-Hole Flange	**1799.00**
B	**B82-030**	V46AS-2C	160–260	4-Hole Flange	**2245.00**


A


B

Water Regulating Valve Renewal Kit

- Kits include seat, disc, diaphragms and all additional internal parts required to recondition valves
- For 3/8" water valve (**B10-840**)



Order #	Mfg. #	Each
B13-745	STT14A-600R	**255.00**

V246 Series 2-Way Pressure-Actuated Water-Regulating Valves For High-Pressure Refrigerants

- Comes in two types of control action: direct acting or reverse acting
- Regulates water flow to control refrigerant head pressure in systems with water-cooled condensers
- Maximum allowable water pressure of 150 psi (10.3 bar)
- Adjustable opening point in a refrigerant pressure range of 200 to 400psi (13.8 to 27.6 bar)
- May be used with standard non-corrosive refrigerants

- Comes in two types of control action: direct acting or reverse acting
- Regulates water flow to control refrigerant head pressure in systems with water-cooled condensers
- Maximum allowable water pressure of 150 psi (10.3 bar)
- Adjustable opening point in a refrigerant pressure range of 200 to 400psi (13.8 to 27.6 bar)
- May be used with standard non-corrosive refrigerants



Order #	Mfg. #	Pressure Range PSIG	Conn. Size	Each
B18-454	V246GA1-001C	200-400	Threaded	**609.00**
B18-455	V246GB1-001C	200-400	Threaded	**659.00**
B18-456	V246GC1-001C	200-400	Threaded	**815.00**
B18-457	V246GD1-001C	200-400	Threaded	**1245.00**

Order #	Mfg. #	Pressure Range PSIG	Conn. Size	Each
B18-458	V246GE1-001C	200-400	Threaded	**1345.00**
B18-459	V246GM1-001C	200-400	Union Sweat	**1199.00**
B18-460	V246GR1-001C	200-400	4-Hole Flange	**1645.00**

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- Delivery options to get back on the road
- Training to keep you competitive

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Supco



Precision Bore Capillary Tubing

- Only five sizes of capillary tubing are needed to fit any 1/8 to 5 HP commercial and domestic refrigerator or room air conditioner
- Buy them in kit form or separately, following the chart below for specifications
- **B11-030** kit includes one each of **B11-025**, **B11-026**, **B11-027**, **B11-028** and **B11-029**

Order #	Mfg. #	Size	Length	Each
B11-030	5-Pack — Tube Kit	—	—	**165.00**
B11-025	BC-1	0.081" O.D. x 0.031" I.D.	10'	**28.49**
B11-026	BC-2	0.093" O.D. x 0.040" I.D.	12'	**37.49**
B11-027	BC-3	0.093" O.D. x 0.052" I.D.	12'	**34.99**
B11-028	BC-4	0.125" O.D. x 0.064" I.D.	12'	**47.49**
B11-029	BC-5	0.071" O.D. x 0.028" I.D.	10'	**24.49**

Order #	Mfg. #	Size	Length	Each
B81-866	BC1-100	0.081" O.D. x 0.031" I.D.	100'	**165.00**
B81-867	BC2-100	0.093" O.D. x 0.040" I.D.	100'	**205.00**
B81-868	BC3-100	0.093" O.D. x 0.052" I.D.	100'	**179.00**
B81-869	BC4-100	0.125" O.D. x 0.064" I.D.	100'	**319.00**
B81-870	BC5-100	0.071" O.D. x 0.028" I.D.	100'	**135.00**

HP	Condenser Cooled	Gas	Low Back Pressure	Med. Back Pressure	High Back Pressure
1/8	Fan	R12	108" BC-5	84" BC-5	48" BC-5
1/8	Static	R12	118" BC-5	92" BC-5	53" BC-5
1/8	Fan	R134a	118" BC-5	96" BC-5	58" BC-5
1/8	Static	R134a	130" BC-5	106" BC-5	64" BC-5
1/6	Fan	R12	120" BC-1	96" BC-1	72" BC-1
1/6	Static	R12	132" BC-1	105" BC-1	79" BC-1
1/6	Fan	R134a	132" BC-1	110" BC-1	86" BC-1
1/6	Static	R134a	144" BC-1	121" BC-1	95" BC-1
1/5	Fan	R12	54" BC-1	36" BC-1	24" BC-1
1/5	Static	R12	60" BC-1	39" BC-1	26" BC-1
1/5	Fan	R134a	60" BC-1	41" BC-1	29" BC-1
1/5	Static	R134a	69" BC-1	45" BC-1	32" BC-1
1/5	Fan	R22	65" BC-1	43" BC-1	29" BC-1
1/4	Fan	R12	43" BC-1	90" BC-2	60" BC-2
1/4	Static	R12	47" BC-1	99" BC-2	66" BC-2
1/4	Fan	R134a	47" BC-1	103" BC-2	72" BC-2
1/4	Static	R134a	52" BC-1	113" BC-2	79" BC-2
1/4	Fan	R22	52" BC-1	108" BC-2	72" BC-2
1/3	Fan	R12	93" BC-2	72" BC-2	36" BC-2
1/3	Fan	R134a	102" BC-2	83" BC-2	43" BC-2
1/3	Fan	R22	112" BC-2	86" BC-2	43" BC-2
1/3	Fan	R502	122" BC-2	95" BC-2	48" BC-2
1/2	Fan	R12	96" BC-3	48" BC-3	90" BC-4

HP	Condenser Cooled	Gas	Low Back Pressure	Med. Back Pressure	High Back Pressure
1/2	Fan	R134a	105" BC-3	55" BC-3	108" BC-4
1/2	Fan	R22	115" BC-3	58" BC-3	108" BC-4
1/2	Fan	R502	127" BC-3	63" BC-3	119" BC-4
3/4	Fan	R12	60" BC-3	92" BC-4	72" BC-4
3/4	Fan	R134a	66" BC-3	106" BC-4	86" BC-4
3/4	Fan	R22	72" BC-3	110" BC-4	86" BC-4
3/4	Fan	R502	79" BC-3	121" BC-4	94" BC-4
1	Fan	R12	132" BC-4	84" BC-4	54" BC-4
1	Fan	R134a	144" BC-4	96" BC-4	65" BC-4
1	Fan	R22	48" BC-3	101" BC-4	65" BC-4
1	Fan	R502	53" BC-3	119" BC-4	71" BC-4
1-1/2	Fan	R12	84" BC-4	60" BC-4	43" BC-4
1-1/2	Fan	R134a	92" BC-4	69" BC-4	52" BC-4
1-1/2	Fan	R22	101" BC-4	72" BC-4	52" BC-4
1-1/2	Fan	R502	111" BC-4	79" BC-4	57" BC-4
2	Fan	R12	55" BC-4	40" BC-4	26" BC-4
2	Fan	R134a	61" BC-4	46" BC-4	31" BC-4
2	Fan	R22	66" BC-4	48" BC-4	31" BC-4
2	Fan	R502	73" BC-4	53" BC-4	34" BC-4

Note: This chart is average measurements for average conditions and may have to be "fine tuned" for exact replacement. Chart references single feed up to 2HP. Additional charts available for 2-6 feeds up to 5HP.

EMERSON Climate Technologies

UNIVERSAL PARTS



ACP Series Automatic Expansion Valves

- For small units where heat load is reasonably constant
- Ideal for room air conditioners, food dispensers, ice cream cabinets and freezers, and milk coolers
- Compact design adapts to any installation
- Can be used as small capacity hot gas bypass valve
- Fully adjustable from 0 to 80 PSIG

Order #	Mfg. #	Description	Equal. Type	Inlet Conn.	Outlet Conn.	R12 Capacity	R22 Capacity	R502 Capacity	Each
B13-862	ACP1IE	Straight Angle	Internal	1/4" ODF	3/8" ODF	.31	.44	.29	**235.00**
B13-861	ACP1IE	Straight Angle	Internal	1/4" ODF	3/8" ODF	.31	.44	.29	**199.00**
B13-863	ACP1IE	Straight Angle	Internal	1/4" SAE	3/8-1/2" SAE	.31	.44	.29	**245.00**
B13-864	ACP2IE	Straight Angle	Internal	1/4" ODF	3/8" ODF	.41	.57	.38	**205.00**
B13-865	ACP3IE	Straight Angle	Internal	1/4" SAE	3/8" SAE	.65	.91	.61	**209.00**
B13-866	ACP4IE	Straight Angle	Internal	1/4" ODF	3/8" ODF	.90	1.30	.87	**209.00**
B13-867	ACP5IE	Angle	Internal	1/4" ODF	3/8" ODF	1.40	1.95	1.31	**209.00**
B13-868	ACP5IE	Angle	Internal	3/8" ODF	3/8" ODF	1.40	1.95	1.31	**229.00**
B13-870	ACP7IE	Angle	Internal	3/8" ODF	1/2" ODF	2.30	3.28	2.19	**245.00**
B13-871	ACP7IE	Angle	Internal	3/8" SAE	3/8-1/2" SAE	2.30	3.28	2.19	**245.00**
B13-872	ACP8IE	Angle	Internal	3/8" ODF	1/2" ODF	2.70	3.75	2.50	**229.00**

continued on next page

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Order #	Mfg. #	Description	Equal. Type	Inlet Conn.	Outlet Conn.	R12 Capacity	R22 Capacity	R502 Capacity	Each
B13-873	ACP9IE	Angle	Internal	1/2" ODF	5/8" ODF	3.80	5.32	3.55	**205.00**
B13-874	ACP9IE	Angle	Internal	3/8" SAE	3/8-1/2" SAE	3.80	5.32	3.55	**259.00**
B13-875	ACPE1SAEEE	Straight Angle	External	1/4" SAE	3/8" SAE	.31	.44	.29	**205.00**
B13-877	ACPE9SAEEE	Straight	External	1/2" ODF	5/8" ODF	3.80	5.32	3.55	**245.00**
B13-878	ACPE9SAEEE	Straight	External	3/8" ODF	1/2" ODF	3.80	5.32	3.55	**205.00**

AFA Series Thermo® Expansion Valves

- Designed for air conditioning and commercial refrigeration applications requiring compact size
- Compact size with stable and accurate control over a wide load and temperature range
- Stainless steel power element for maximum corrosion resistance
- Replaceable inlet strainer
- R12 valves suitable for R134a; R502 valves suitable for R404A; R134a valve for applications where specific R134a change is required



EMERSON Climate Technologies

UNIVERSAL PARTS

Order #	Mfg. #	Application	Capacity Tons	Refrig. Type	Equal. Type	Inlet Conn.	Outlet Conn.	Capillary Length	Each
B12-534	AFA1/4FC	Med. Temp.	1/4	R12	Internal	1/4" SAE	1/2" SAE	30"	**169.00**
B13-884	AFA1/4FC	Med. Temp.	1/4	R12	Internal	1/4" SAE	1/2" SAE	5'	**179.00**
B12-535	AFA1/2FC	Med. Temp.	1/2	R12	Internal	1/4" SAE	1/2" SAE	30"	**169.00**
B13-883	AFA1/2FC	Med. Temp.	1/2	R12	Internal	1/4" SAE	1/2" SAE	5'	**165.00**
B13-891	AFAE1/2FC	Med. Temp.	1/2	R12	External	1/4" SAE	1/2" SAE	30"	**209.00**
B13-880	AFA1FC	Med. Temp.	1	R12	Internal	3/8" SAE	1/2" SAE	5'	**195.00**
B13-888	AFAE1FC	Med. Temp.	1	R12	External	3/8" SAE	1/2" SAE	30"	**209.00**
B12-536	AFA1/4HC	Med. Temp.	1/4	R22	Internal	1/4" SAE	1/2" SAE	30"	**169.00**
B12-537	AFA1/2HC	Med. Temp.	1/2	R22	Internal	1/4" SAE	1/2" SAE	30"	**169.00**
B13-882	AFA1HC	Med. Temp.	1	R22	Internal	3/8" SAE	1/2" SAE	5'	**175.00**
B13-889	AFAE1HC	Med. Temp.	1	R22	External	3/8" SAE	1/2" SAE	5'	**209.00**
B13-892	AFAE1-1/2HC	Med. Temp.	1-1/2	R22	External	3/8" SAE	1/2" SAE	5'	**209.00**
B13-893	AFAE1-1/2HZ	Low Temp.	1-1/2	R22	External	3/8" SAE	1/2" SAE	5'	**209.00**
B13-890	AFAE1MC	Med. Temp.	1	R134a	External	3/8" SAE	1/2" SAE	30"	**205.00**
B18-034	AFA1/4SC	Med. Temp.	1/4	R404A	Internal	1/4" SAE	3/8"-1/2" SAE	5'	**185.00**
B18-035	AFAE1/4SC	Med. Temp.	1/4	R404A	External	1/4" SAE	3/8"-1/2" SAE	30"	**199.00**
B18-036	AFA1/4SZ	Low Temp.	1/4	R404A	Internal	1/4" SAE	3/8"-1/2" SAE	30"	**185.00**
B18-038	AFA-1/2SC	Med. Temp.	1/2	R404A	Internal	1/4" SAE	3/8"-1/2" SAE	30"	**169.00**
B18-039	AFAE1/2SC	Med. Temp.	1/2	R404A	External	1/4" SAE	3/8"-1/2" SAE	30"	**199.00**
B18-040	AFA1/2SZ	Low Temp.	1/2	R404A	Internal	1/4" SAE	3/8"-1/2" SAE	30"	**169.00**
B18-041	AFAE1/2SZ	Low Temp.	1/2	R404A	External	1/4" SAE	3/8"-1/2" SAE	30"	**199.00**
B18-042	AFA3/4SC	Med. Temp.	3/4	R404A	Internal	3/8" SAE	3/8"-1/2" SAE	30"	**169.00**
B18-043	AFAE3/4SC	Med. Temp.	3/4	R404A	External	3/8" SAE	3/8"-1/2" SAE	30"	**199.00**
B18-045	AFAE3/4SZ	Low Temp.	3/4	R404A	External	1/4" SAE	3/8"-1/2" SAE	30"	**199.00**
B18-046	AFA1SC	Med. Temp.	1	R404A	Internal	3/8" SAE	3/8"-1/2" SAE	30"	**169.00**
B18-047	AFAE1SC	Med. Temp.	1	R404A	External	3/8" SAE	3/8"-1/2" SAE	30"	**199.00**
B18-048	AFA1SZ	Low Temp.	1	R404A	Internal	3/8" SAE	3/8"-1/2" SAE	30"	**169.00**
B18-049	AFAE1SZ	Low Temp.	1	R404A	External	1/4" SAE	3/8"-1/2" SAE	30"	**199.00**
B12-538	AFA1/4RC	Med. Temp.	1/4	R502	Internal	1/4" SAE	1/2" SAE	5'	**185.00**
B12-539	AFA1/2RC	Med. Temp.	1/2	R502	Internal	1/4" SAE	1/2" SAE	5'	**185.00**

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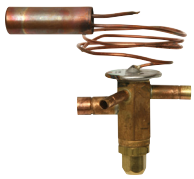
EMERSON Climate Technologies

UNIVERSAL PARTS



"A" Series Expansion Valves

- Hermetic construction eliminates external leakage
- Compact size allows for installation with limited space
- Stainless steel power element eliminates corrosion
- Provides stable and accurate control over a wide range of operating conditions
- **B13-845** through **B13-848** have internal check valve for reverse flow heat pump applications

Order #	Mfg. #	Application	Capacity Tons	Refrig. Type	Equal. Type	Inlet Conn.	Outlet Conn.	Capillary Length	Each
B18-002	AA1/4FC	Med. Temp.	1/4	R12	Internal	1/4" ODF	1/2" ODF	5'	**159.00**
B18-003	AA1/2FC	Med. Temp.	1/2	R12	Internal	1/4" ODF	1/2" ODF	5'	**169.00**
B18-004	AAE1/2FC	Med. Temp.	1/2	R12	External	1/4" ODF	1/2" ODF	5'	**185.00**
B18-005	AA1/4MC	Med. Temp.	1/4	R134a	Internal	1/4" ODF	1/2" ODF	5'	**159.00**
B18-006	AA1/2MC	Med. Temp.	1/2	R134a	Internal	1/4" ODF	1/2" ODF	5'	**185.00**
B18-007	AAE1/2MC	Med. Temp.	1/2	R134a	External	1/4" ODF	1/2" ODF	5'	**185.00**
B18-008	AA1/4HC	Med. Temp.	1/4	R22	Internal	1/4" ODF	1/2" ODF	5'	**159.00**
B18-009	AA1/2HC	Med. Temp.	1/2	R22	Internal	1/4" ODF	1/2" ODF	5'	**169.00**
B18-010	AAE1/2HC	Med. Temp.	1/2	R22	External	1/4" ODF	1/2" ODF	5'	**185.00**
B18-011	AAE1HC	Med. Temp.	1	R22	External	3/8" ODF	1/2" ODF	5'	**185.00**
B13-845	AACE2-1/2HAA	Wide Range/Heat Pump	1 to 3	R22	External	3/8" ODF	1/2" ODF	30"	**219.00**
B13-847	AACE2-1/2HAA	Wide Range/Heat Pump	1 to 3	R22	External	Chatleff	Chatleff	30"	**265.00**
B13-846	AACE5HAA	Wide Range/Heat Pump	3-1/2 to 5	R22	External	3/8" ODF	1/2" ODF	30"	**225.00**
B13-848	AACE5HAA	Wide Range/Heat Pump	3-1/2 to 5	R22	External	Chatleff	Chatleff	30"	**265.00**
B13-850	AAE2-1/2HAA	Wide Range	1 to 3	R22	External	3/8" ODF	1/2" ODF	30"	**185.00**
B13-859	AAE2-1/2HAA	Wide Range	1 to 3	R22	External	Chatleff	Chatleff	30"	**225.00**
B13-855	AAE5HAA	Wide Range	3-1/2 to 5	R22	External	3/8" ODF	1/2" ODF	30"	**185.00**
B13-860	AAE5HAA	Wide Range	3-1/2 to 5	R22	External	Chatleff	Chatleff	30"	**225.00**
B13-857	AAE5HW100	Wide Range	5	R22	External	3/8" ODF	5/8" ODF	5'	**195.00**
B18-012	AA1/4SC	Med. Temp.	1/4	R404A	Internal	1/4" ODF	1/2" ODF	30"	**159.00**
B18-013	AAE1/4SC	Med. Temp.	1/4	R404A	External	1/4" ODF	1/2" ODF	30"	**185.00**
B18-014	AA1/4SZ	Low Temp.	1/4	R404A	Internal	1/4" ODF	3/8" ODF	30"	**159.00**
B18-015	AAE1/4SZ	Low Temp.	1/4	R404A	External	1/4" ODF	1/2" ODF	30"	**185.00**
B18-016	AA1/4SW45	Low Temp. MOP 45	1/4	R404A	Internal	1/4" ODF	3/8" ODF	5'	**159.00**
B18-017	AA 1/2SC	Med. Temp.	1/2	R404A	Internal	1/4" ODF	1/2" ODF	30"	**169.00**
B18-018	AAE1/2SC	Med. Temp.	1/2	R404A	External	1/4" ODF	1/2" ODF	30"	**185.00**
B18-019	AA1/2SZ	Low Temp.	1/2	R404A	Internal	1/4" ODF	1/2" ODF	5'	**159.00**
B18-020	AAE1/2SZ	Low Temp.	1/2	R404A	External	1/4" ODF	1/2" ODF	30"	**185.00**
B18-021	AAE1/2SZ	Low Temp.	1/2	R404A	External	3/8" ODF	1/2" ODF	5'	**185.00**
B18-022	AA1/2SW45	Low Temp. MOP 45	1/2	R404A	Internal	1/4" ODF	1/2" ODF	5'	**159.00**
B18-023	AAE1/2SW45	Low Temp. MOP 45	1/2	R404A	External	1/4" ODF	1/2" ODF	5'	**185.00**
B18-024	AA3/4SC	Med. Temp.	3/4	R404A	Internal	3/8" ODF	1/2" ODF	30"	**159.00**
B18-025	AAE3/4SC	Med. Temp.	3/4	R404A	External	3/8" ODF	1/2" ODF	5'	**185.00**
B18-026	AA3/4SZ	Low Temp.	3/4	R404A	Internal	3/8" ODF	1/2" ODF	30"	**159.00**
B18-027	AAE3/4SZ	Low Temp.	3/4	R404A	External	1/4" ODF	1/2" ODF	30"	**185.00**
B18-029	AA1SC	Med. Temp.	1	R404A	Internal	3/8" ODF	1/2" ODF	30"	**159.00**
B18-030	AAE1SC	Med. Temp.	1	R404A	External	3/8" ODF	1/2" ODF	5'	**185.00**
B18-031	AAE1SZ	Low Temp.	1	R404A	External	3/8" ODF	1/2" ODF	5'	**185.00**
B18-032	AAE1SW45	Low Temp. MOP 45	1	R404A	External	3/8" ODF	1/2" ODF	5'	**185.00**
B18-033	AAE1-1/2SC	Med. Temp.	1-1/2	R404A	External	3/8" ODF	1/2" ODF	5'	**185.00**
B13-858	AAE5ZW195	Pressure Limiting	5	R410A	External	1/2" ODF	5/8" ODF	—	**195.00**

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HFESC Series Sweat Type Expansion Valves

With Removable Strainer

- Balanced port design improves operation during varying loads
- Replace mesh strainer without unsweating valve
- Replaceable power elements available



Order #	Mfg. #	Capacity Tons	Refrig. Type	Equal. Type	Temp. °F	Inlet Conn.	Outlet Conn.	Each
B12-189	HFSC1/4HC	1/4	R22	Internal	-20 to +50	3/8" ODF	1/2" ODF	**255.00**
B12-190	HFESC1/4HC	1/4	R22	External	-20 to +50	3/8" ODF	1/2" ODF	**275.00**
B12-191	HFSC1/2HC	1/2	R22	Internal	-20 to +50	3/8" ODF	1/2" ODF	**255.00**
B12-192	HFESC1/2HC	1/2	R22	External	-20 to +50	3/8" ODF	1/2" ODF	**295.00**
B12-193	HFSC1HC	1	R22	Internal	-20 to +50	3/8" ODF	1/2" ODF	**255.00**
B12-194	HFESC1HC	1	R22	External	-20 to +50	3/8" ODF	1/2" ODF	**285.00**
B12-195	HFESC1-1/2HC	1-1/2	R22	External	-20 to +50	3/8" ODF	1/2" ODF	**285.00**
B12-196	HFESC2HC	2	R22	External	-20 to +50	3/8" ODF	1/2" ODF	**295.00**
B12-197	HFESC3HC	3	R22	External	-20 to +50	3/8" ODF	1/2" ODF	**285.00**

Emerson™ TXV Connect Kits

- Balanced Ported Design
- Built-In Check Valve for Heat Pump Applications
- Adjustable Superheat
- 3/8" x ½" ODF Connections
- Stainless Steel Power Element
- 5' Cap Tube
- ¼" ODF External Equalizer
- Includes Chatleff and Aeroquip fittings for easy installations

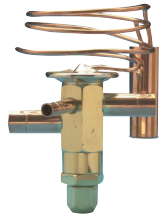


Order #	Mfg. #	Description	Capacity Tons	Refrig. Type	Each
B18-735	66657	TXV With Connection Kit	1-1/2 to 3	R22	**199.00**
B18-736	66658	TXV With Connection Kit	3-1/2 to 5	R22	**199.00**
B18-737	66660	TXV With Connection Kit	1-1/2	R410A	**199.00**
B18-738	66661	TXV With Connection Kit	2	R410A	**199.00**
B18-739	66662	TXV With Connection Kit	3	R410A	**199.00**
B18-740	66663	TXV With Connection Kit	4	R410A	**199.00**
B18-741	66664	TXV With Connection Kit	5	R410A	**199.00**
B18-742	66653	Chatleff Adapter Assembly	—	—	**41.49**
B18-743	66654	Aeroquip Adapter Assembly	—	—	**38.49**

HF Series Expansion Valves

Sweat Type

- Balanced port design improves operation during varying loads
- Wide capacity range; available in 1/4 ton to 15 ton capacity
- Replaceable power assembly offers maximum flexibility
- External superheat adjustment



Order #	Mfg. #	Capacity Tons	Refrig. Type	Equal. Type	Temp. °F	Inlet Conn.	Outlet Conn.	Each	10 Lot
B13-316	HFS1/4HC	1/4	R22	Internal	-20 to +50	3/8" ODF	1/2" ODF	**219.00**	**199.00**
B13-317	HFES1/4HC	1/4	R22	External	-20 to +50	3/8" ODF	1/2" ODF	**245.00**	**225.00**
B13-318	HFS1/2HC	1/2	R22	Internal	-20 to +50	3/8" ODF	1/2" ODF	**219.00**	**199.00**
B13-319	HFES1/2HC	1/2	R22	External	-20 to +50	3/8" ODF	1/2" ODF	**225.00**	**205.00**
B13-320	HFES1HC	1	R22	External	-20 to +50	3/8" ODF	1/2" ODF	**235.00**	**215.00**
B13-321	HFES1-1/2HC	1-1/2	R22	External	-20 to +50	3/8" ODF	1/2" ODF	**235.00**	**215.00**
B13-322	HFES2HC	2	R22	External	-20 to +50	3/8" ODF	1/2" ODF	**235.00**	**215.00**
B13-323	HFES3HC	3	R22	External	-20 to +50	3/8" ODF	1/2" ODF	**235.00**	**215.00**
B13-324	HFES5-1/2HC	5-1/2	R22	External	-20 to +50	3/8" ODF	1/2" ODF	**235.00**	**215.00**
B12-166	HFES8HCA	8	R22	External	-20 to +50	5/8" ODF	7/8" ODF	**299.00**	**275.00**
B12-167	HFES10HCA	10	R22	External	-20 to +50	5/8" ODF	1-1/8" ODF	**299.00**	**275.00**
B12-168	HFES15HCA	15	R22	External	-20 to +50	7/8" ODF	1-1/8" ODF	**299.00**	**275.00**
B13-325	HFS1/4RZ	1/4	R502/R404A	Internal	-50 to +10	1/4" ODF	3/8" ODF	**219.00**	**199.00**
B13-326	HFES1/2RZ	1/2	R502/R404A	External	-50 to +10	3/8" ODF	1/2" ODF	**225.00**	**205.00**
B13-327	HFES1RZ	1	R502/R404A	External	-50 to +10	3/8" ODF	1/2" ODF	**235.00**	**215.00**
B13-328	HFES1-1/2RZ	1-1/2	R502/R404A	External	-50 to +10	3/8" ODF	1/2" ODF	**245.00**	**225.00**
B13-329	HFES2RZ	2	R502/R404A	External	-50 to +10	3/8" ODF	1/2" ODF	**235.00**	**215.00**

EMERSON Climate Technologies



UNIVERSAL PARTS

HFK Modular Thermo® Expansion Valve Kits

- Features interchangeable bodies, cages and power elements
- Balanced port design
- **B82-031** service kit includes four valve bodies (**B13-475**, **B13-476**, **B13-479** and **B13-480**), six power elements (**B12-175**, **B12-176**, **B12-178**, **B12-180** and **B12-181**), a cage kit and carrying case
- **B14-004** cage kit includes two each of #0 through #7 cages, oil and a cage socket

Order #	Mfg. #	Description	Each
B82-031	65135	HFK TXV Service Kit	**1299.00**
B12-203	KT-20264	HFESC Repair Kit (Seal Cap, O-ring, Screen, Spring)	**41.49**
B14-004	KT-20301-1	HFK Cage Kit	**689.00**

EMERSON Climate Technologies

HFK Valve Bodies

Order #	Mfg. #	Description	Equal. Type	Inlet Conn.	Outlet Conn.	Each
B13-995	KT-20298-1	HFK Valve Body	Internal	1/4" SAE Angled	1/2" SAE	**109.00**
B13-475	KT-20298-2	HFK Valve Body	Internal	3/8" SAE Angled	1/2" SAE	**109.00**
B13-996	KT-20298-3	HFKE Valve Body	External	1/4" SAE Angled	1/2" SAE	**109.00**
B13-476	KT-20298-4	HFKE Valve Body	External	3/8" SAE Angled	1/2" SAE	**109.00**
B13-477	KT-20298-5	HFKSC Valve Body	Internal	3/8" ODF Angled w/ Strainer	1/2" ODF	**149.00**
B13-478	KT-20298-6	HFKESC Valve Body	External	3/8" ODF Angled w/ Strainer	1/2" ODF	**149.00**
B13-479	KT-20298-7	HFKS Valve Body	Internal	3/8" ODF Straight	1/2" ODF	**85.00**
B13-997	KT-20298-8	HFKS Valve Body	Internal	3/8" ODF Straight	5/8" ODF	**85.00**
B13-998	KT-20298-9	HFKS Valve Body	Internal	1/2" ODF Straight	5/8" ODF	**85.00**
B13-999	KT-20298-10	HFKS Valve Body	Internal	1/2" ODF Straight	7/8" ODF	**85.00**
B13-480	KT-20298-11	HFKES Valve Body	External	3/8" ODF Straight	1/2" ODF	**105.00**
B14-001	KT-20298-12	HFKES Valve Body	External	3/8" ODF Straight	5/8" ODF	**105.00**
B14-002	KT-20298-13	HFKES Valve Body	External	1/2" ODF Straight	5/8" ODF	**105.00**
B14-003	KT-20298-14	HFKES Valve Body	External	1/2" ODF Straight	7/8" ODF	**109.00**

EMERSON Climate Technologies

HFK Power Elements

Order #	Mfg. #	Application	Refrig. Type	Each
B12-181	X26300-FC-1	Med. Temp.	R12/R134a	**105.00**
B13-540	X26300-FZ-1	Low Temp.	R12/R134a	**105.00**
B14-097	X26300-FW35-1	Low Temp. MOP 35	R12/R134a	**105.00**
B14-101	X26300-MC-1	Low Temp.	R134a	**105.00**
B12-175	X26300-HC-1	A/C Med. Temp.	R22/R407C	**105.00**
B14-100	X26300-HW100-1	A/C Med. Temp. MOP 100	R22/R407C	**105.00**
B14-099	X26300-HCA-1	Heat Pump	R22/R407C	**105.00**
B12-176	X26300-HZ-1	Low Temp.	R22/R407C	**105.00**
B12-178	X26300-SC-1	Med. Temp.	R404/R507/R502	**105.00**
B13-481	X26300-SZ-1	Low Temp.	R404/R507/R502	**105.00**
B12-180	X26300-SW45-1	Low Temp. MOP 45	R404/R507/R502	**109.00**

EMERSON Climate Technologies

HFK Cages

Order #	Mfg. #	Description	R12 Capacity	R134a Capacity	R22 Capacity	R404A/R507 Capacity	Each
B13-482	KT-20299-0	#0 Cage	1/8	1/4	1/4	1/8	**46.99**
B13-483	KT-20299-1	#1 Cage	1/4	1/2	1/2	1/4	**46.99**
B13-484	KT-20299-2	#2 Cage	1/2	3/4	1	1/2	**44.99**
B13-485	KT-20299-3	#3 Cage	1	1	1-1/2	1	**44.99**
B13-486	KT-20299-4	#4 Cage	1-1/4	1-1/2	2	1-1/4	**46.99**
B13-487	KT-20299-5	#5 Cage	1-1/2	1-3/4	2-1/2	1-1/2	**46.99**
B13-488	KT-20299-6	#6 Cage	2	2-1/2	3	2	**46.99**
B13-489	KT-20299-7	#7 Cage	3-1/2	4	5/1/2	3-1/2	**46.99**

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HF Series Expansion Valves

Flare Type

- Balanced port design improves operation during varying loads
- Replaceable power assembly offers maximum flexibility
- External superheat adjustment; RC are medium temperature; RZ are low temperature; and RW are pressure limiting



Order #	Mfg. #	Capacity Tons	Refrig. Type	Equal. Type	Temp. °F	Inlet Conn.	Outlet Conn.	Each	10 Lot
B12-145	HF1/4FC	1/4	R12/R134a	Internal	-20 to +50	3/8" SAE	1/2" SAE	**199.00**	**185.00**
B12-146	HFE1/4FC	1/4	R12/R134a	External	-20 to +50	3/8" SAE	1/2" SAE	**219.00**	**199.00**
B12-147	HF1/2FC	1/2	R12/R134a	Internal	-20 to +50	3/8" SAE	1/2" SAE	**199.00**	**185.00**
B12-148	HFE1/2FC	1/2	R12/R134a	External	-20 to +50	3/8" SAE	1/2" SAE	**219.00**	**199.00**
B12-149	HF1FC	1	R12/R134a	Internal	-20 to +50	3/8" SAE	1/2" SAE	**199.00**	**185.00**
B12-150	HFE1FC	1	R12/R134a	External	-20 to +50	3/8" SAE	1/2" SAE	**219.00**	**199.00**
B12-151	HFE1-1/2FC	1-1/2	R12/R134a	External	-20 to +50	3/8" SAE	1/2" SAE	**219.00**	**199.00**
B12-152	HFE2FC	2	R12/R134a	External	-20 to +50	3/8" SAE	1/2" SAE	**219.00**	**199.00**
B12-153	HF1/4HC	1/4	R22	Internal	-20 to +50	3/8" SAE	1/2" SAE	**199.00**	**185.00**
B12-154	HF1/2HC	1/2	R22	Internal	-20 to +50	3/8" SAE	1/2" SAE	**199.00**	**185.00**
B12-155	HFE1/2HC	1/2	R22	External	-20 to +50	3/8" SAE	1/2" SAE	**219.00**	**199.00**
B12-156	HF1HC	1	R22	Internal	-20 to +50	3/8" SAE	1/2" SAE	**199.00**	**185.00**
B12-157	HFE1HC	1	R22	External	-20 to +50	3/8" SAE	1/2" SAE	**219.00**	**199.00**
B12-158	HF1-1/2HC	1-1/2	R22	Internal	-20 to +50	3/8" SAE	1/2" SAE	**199.00**	**185.00**
B12-159	HFE1-1/2HC	1-1/2	R22	External	-20 to +50	3/8" SAE	1/2" SAE	**219.00**	**199.00**
B12-160	HF2HC	2	R22	Internal	-20 to +50	3/8" SAE	1/2" SAE	**199.00**	**185.00**
B12-161	HFE2HC	2	R22	External	-20 to +50	3/8" SAE	1/2" SAE	**219.00**	**199.00**
B12-162	HFE2-1/2HC	2-1/2	R22	External	-20 to +50	3/8" SAE	1/2" SAE	**219.00**	**199.00**
B12-163	HF3HC	3	R22	Internal	-20 to +50	3/8" SAE	1/2" SAE	**199.00**	**185.00**
B12-164	HFE3HC	3	R22	External	-20 to +50	3/8" SAE	1/2" SAE	**219.00**	**199.00**
B12-165	HFE5-1/2HC	5-1/2	R22	External	-20 to +50	3/8" SAE	1/2" SAE	**219.00**	**199.00**
B14-135	HF1/4RC	1/4	R502/R404A	Internal	-20 to +50	1/4" SAE	1/2" SAE	**199.00**	**185.00**
B12-169	HF1/4RZ	1/4	R502/R404A	Internal	-50 to +10	3/8" SAE	1/2" SAE	**199.00**	**185.00**
B14-138	HFE1/2RW45	1/2	R502/R404A	External	-50 to +10	3/8" SAE	1/2" SAE	**229.00**	**209.00**
B14-134	HF1/2RC	1/2	R502/R404A	Internal	-20 to +50	3/8" SAE	1/2" SAE	**199.00**	**185.00**
B14-137	HFE1/2RC	1/2	R502/R404A	External	-20 to +50	3/8" SAE	1/2" SAE	**205.00**	**185.00**
B12-170	HF1/2RZ	1/2	R502/R404A	Internal	-50 to +10	3/8" SAE	1/2" SAE	**199.00**	**185.00**
B12-171	HFE1/2RZ	1/2	R502/R404A	External	-50 to +10	3/8" SAE	1/2" SAE	**219.00**	**199.00**
B14-136	HFE1RC	1	R502/R404A	External	-20 to +50	3/8" SAE	1/2" SAE	**205.00**	**185.00**
B12-172	HFE1RZ	1	R502/R404A	External	-50 to +10	3/8" SAE	1/2" SAE	**205.00**	**185.00**
B12-173	HFE1-1/2RZ	1-1/2	R502/R404A	External	-50 to +10	3/8" SAE	1/2" SAE	**219.00**	**199.00**
B12-174	HFE2RZ	2	R502/R404A	External	-50 to +10	3/8" SAE	1/2" SAE	**219.00**	**199.00**

Alternative Refrigerant Correction Factors

Present R12 and R502 expansion valves can be used with HCFC interim blends as well as HFC replacement refrigerants. The following chart shows the additional valve capacity available when using the new refrigerants in traditional expansion valves.

In some instances, valve capacity increases dramatically when using a new refrigerant. Exercise caution when selecting a valve; oversizing can lead to poor superheat control.

Note: It is very important that superheat be checked and adjusted accordingly.

Valve Type	New Refrig. Used	Correction Factor to Calculate Valve Capacity
R12 Med./High Temperature	R134a	1.25
R12 Med./High Temperature	R401A (MP-30)	1.31
R12 Med./High Temperature	R409A (FX-56)	1.28
R502 Med./Low Temperature	R404A	1.04

Valve Type	New Refrig. Used	Correction Factor to Calculate Valve Capacity
R502 Med./Low Temperature	R408A (FX-10)	1.12
R502 Med./Low Temperature	R402A (HP-80)	1.06
R502 Med./Low Temperature	R402B (HP-81)	1.13

T-Series Take-Apart Expansion Valves

- Includes valve cage and power assembly; connection flange sold separately



Order #	Mfg. #	Capacity Tons	Refrig. Type	Equal. Type	Temp. °F	Each
B14-055	TCLE1/2FC	1/2	R12	External	-20 to +50	**419.00**
B14-058	TCLE2FC	2	R12	External	-20 to +50	**419.00**
B14-060	TCLE3FC	3	R12	External	-20 to +50	**419.00**
B14-062	TCLE4FC	4	R12	External	-20 to +50	**419.00**
B14-063	TCLE61/2FC	6-1/2	R12	External	-20 to +50	**419.00**
B14-064	TCLE71/2FC	7-1/2	R12	External	-20 to +50	**419.00**
B14-056	TCLE1/2HC	1/2	R22	External	-20 to +50	**419.00**
B12-204	TCLE1HC	1	R22	External	-20 to +50	**399.00**
B12-205	TCLE2HC	2	R22	External	-20 to +50	**405.00**
B12-206	TCLE3HC	3	R22	External	-20 to +50	**395.00**

Order #	Mfg. #	Capacity Tons	Refrig. Type	Equal. Type	Temp. °F	Each
B12-207	TCLE5HC	5	R22	External	-20 to +50	**395.00**
B12-208	TCLE7-1/2HC	7-1/2	R22	External	-20 to +50	**405.00**
B12-209	TCLE10HC	10	R22	External	-20 to +50	**405.00**
B12-210	TCLE12HC	12	R22	External	-20 to +50	**435.00**
B14-077	TJLE14HC	14	R22	External	-20 to +50	**595.00**
B14-074	TER22HC	22	R22	External	-20 to +50	**1099.00**
B14-075	TER26HC	26	R22	External	-20 to +50	**1099.00**
B14-076	TER35HC	35	R22	External	-20 to +50	**1099.00**
B14-061	TCLE3RC	3	R502	External	-20 to +50	**419.00**
B14-065	TCLE8RC	8	R502	External	-20 to +50	**419.00**

T-Series Take-Apart Connection Flanges

- For use with T-series expansion valves



A



B

Fig.	Order #	Mfg. #	Description	Inlet Conn.	For Use With	Each
A	**B14-113**	X6669-4	Straight	3/8" SAE x 1/2" SAE	TCL/TCLE	**79.00**
A	**B14-111**	X6669-1	Straight	3/8" SAE x 5/8" SAE	TCL/TCLE	**79.00**
A	**B14-114**	X6669-5	Straight	1/2" SAE x 1/2" SAE	TCL/TCLE	**75.00**
A	**B14-112**	X6669-2	Straight	1/2" SAE x 5/8" SAE	TCL/TCLE	**79.00**
A	**B12-211**	9761-5	Straight	3/8" ODF x 1/2" ODF	TCL/TCLE	**55.00**
A	**B12-212**	9761-3	Straight	3/8" ODF x 5/8" ODF	TCL/TCLE	**55.00**
A	**B13-840**	9761-6	Straight	1/2" ODF x 1/2" ODF	TCL/TCLE	**59.00**
A	**B13-839**	9761-4	Straight	1/2" ODF x 5/8" ODF	TCL/TCLE	**55.00**
A	**B12-213**	9761-2	Straight	1/2" ODF x 7/8" ODF	TCL/TCLE	**55.00**
A	**B14-106**	X6346-16	Straight	5/8" ODF x 5/8" ODF	TCL/TCLE	**55.00**
A	**B14-107**	X6346-17	Straight	5/8" ODF x 7/8" ODF	TCL/TCLE	**55.00**
A	**B12-214**	X6346-18	Straight	5/8" ODF x 1-1/8" ODF	TCL/TCLE	**55.00**
A	**B12-215**	X6346-34	Straight	7/8" ODF x 1-1/8" ODF	TCL/TCLE	**59.00**
A	**B14-108**	X6347-2	Straight	5/8" ODF x 1-1/8" ODF	TJLE	**179.00**
A	**B14-109**	X6347-6	Straight	7/8" ODF x 1-1/8" ODF	TJLE	**195.00**
A	**B14-110**	X6347-7	Straight	7/8" ODF x 1-3/8" ODF	TJLE	**195.00**
A	**B13-581**	10332	Straight	7/8" ODF (1-1/8" ODM) x 1" ODF (1-1/8" ODM)	TJR	**169.00**
A	**B13-837**	9152	Straight	7/8" ODF (1-1/8" ODM) x 1" ODF (1-1/8" ODM)	TER	**195.00**
A	**B13-835**	9150	Straight	7/8" ODF (1-1/8" ODM) x 1" ODF (1-1/8" ODM)	TIR	**159.00**
A	**B13-833**	9148	Straight	1-1/8" ODM x 1-1/8" ODM	THR	**159.00**
B	**B13-968**	C500-4	Angle	3/8" SAE x 1/2" SAE	TCL/TCLE	**55.00**
B	**B13-970**	C500-6	Angle	1/2" SAE x 5/8" SAE	TCL/TCLE	**59.00**
B	**B13-971**	C501-4	Angle	3/8" ODF x 1/2" ODF	TCL/TCLE	**59.00**
B	**B13-972**	C501-5	Angle	3/8" ODF x 5/8" ODF	TCL/TCLE	**55.00**
B	**B13-973**	C501-7	Angle	1/2" ODF x 5/8" ODF	TCL/TCLE	**55.00**
B	**B13-940**	B504	Angle	5/8" ODF (7/8" ODM) x 7/8" ODF (1-1/8" ODM)	TJLE	**159.00**
B	**B13-580**	10331	Angle	7/8" ODF (1-1/8" ODM) x 1" ODF (1-1/8" ODM)	TJR	**185.00**
B	**B13-838**	9153	Angle	7/8" ODF (1-1/8" ODM) x 1" ODF (1-1/8" ODM)	TER	**195.00**
B	**B13-836**	9151	Angle	7/8" ODF (1-1/8" ODM) x 1" ODF (1-1/8" ODM)	TIR	**175.00**
B	**B13-834**	9149	Angle	1-1/8" ODM x 1-1/8" ODM	THR	**159.00**

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T-Series Take-Apart Valve Cages

- Externally equalized
- Cages for TER, TIR and THR are all balanced port



Order #	Mfg. #	For Use With	R12 Capacity	R22 Capacity	R404A/ R507 Capacity	Each
B12-216	X22440B2B	TCLE	1/2	1	1/2	**105.00**
B12-217	X22440B3B	TCLE	1	2	1	**105.00**
B12-218	X22440B4B	TCLE	2	3	2	**105.00**
B12-219	X22440B5B	TCLE	3	5	3	**105.00**
B12-220	X22440B6B	TCLE	4	7-1/2	4-1/2	**105.00**
B12-221	X22440B7B	TCLE	6-1/2	10	7	**105.00**
B12-222	X22440B8B	TCLE	7-1/2	12	8	**109.00**
B14-131	XC-724-B4B	TJLE	7	11	7	**169.00**
B14-132	XC-724-B5B	TJLE	8	14	9	**169.00**

Order #	Mfg. #	For Use With	R12 Capacity	R22 Capacity	R404A/ R507 Capacity	Each
B14-115	X-9117-B6B	TER	13	22	14	**489.00**
B14-116	X-9117-B7B	TER	15	26	16	**489.00**
B14-117	X-9117-B8B	TER	20	35	21	**489.00**
B14-118	X-9117-B9B	TER	25	45	27	**489.00**
B14-122	X-9166-B10B	TIR	35	55	37	**875.00**
B14-119	X-9144-B10B	THR	35	55	37	**935.00**
B14-120	X-9144-B11B	THR	45	70	48	**935.00**
B14-121	X-9144-B13B	THR	55	85	60	**935.00**

T-Series Take-Apart Valve Power Assemblies

- All power assemblies externally equalized except **B14-123**
- Available in rapid response bulb by special order



Order #	Mfg. #	Refrig. Type	Capillary Length	For Use With	Each
B14-123	XB-1019-FC-1A	R12 Med. Temp.	5'	TCL	**335.00**
B12-223	XB-1019-FC1B	R12 Med. Temp.	5'	TCLE, TJLE, TJR	**315.00**
B14-124	XB-1019-FC-2B	R12 Med. Temp.	10'	TCLE, TJLE, TJR	**335.00**
B12-224	XB-1019-HC-1B	R22 Med. Temp.	5'	TCLE, TJLE, TJR	**309.00**
B14-125	XB-1019-HC-2B	R22 Med. Temp.	10'	TCLE, TJLE, TJR	**335.00**
B14-126	XB-1019-HW100-1B	R22 Press. Limiting	5'	TCLE, TJLE, TJR	**335.00**
B14-127	XB-1019-HW100-2B	R22 Press. Limiting	10'	TCLE, TJLE, TJR	**335.00**
B14-128	XB-1019-HZ-1B	R22 Low Temp.	5'	TCLE, TJLE, TJR	**335.00**
B13-330	XB-1019-RC1B	R502 Med. Temp.	5'	TCLE, TJLE, TJR	**315.00**
B12-225	XB-1019-RZ1B	R502 Low Temp.	5'	TCLE, TJLE, TJR	**315.00**
B14-129	XB-1019-RW35-1B	R502 Press. Limiting	5'	TCLE, TJLE, TJR	**335.00**
B14-130	XB-1019-RW45-1B	R502 Press. Limiting	5'	TCLE, TJLE, TJR	**335.00**
B12-226	XC-726-HC-2B	R22 Med. Temp.	10'	TER, TIR, THR, TMR	**835.00**
B14-133	XC-726-HW100-2B	R22 Press. Limiting	10'	TER, TIR, THR, TMR	**889.00**

T-Series Take-Apart Valve Accessories

Order #	Mfg. #	Description	Each
B12-227	X13455-1	Flange and Seat Gasket Kit (Strip)	**14.49**
B13-991	E-642	Packing Nut Wrench for T Series Valves	**169.00**

TRAE Series Large Tonnage Expansion Valves

- Balanced port design improves valve operation and stability under low load conditions
- External superheat adjustment
- Integral body construction with straight-through connections
- Larger tonnages available upon request



Order #	Mfg. #	Capacity Tons	Refrig. Type	Equal. Type	Temp. °F	Inlet Conn.	Outlet Conn.	Each	10 Lot
B14-080	TRAE+15HCA	15	R22	External	-20 to +50	7/8"	1-1/8"	**485.00**	**439.00**
B12-228	TRAE+20HCA	20	R22	External	-20 to +50	7/8"	1-1/8"	**525.00**	**479.00**
B12-229	TRAE+30HCA	30	R22	External	-20 to +50	1-1/8"	1-3/8"	**525.00**	**479.00**
B12-230	TRAE+40HCA	40	R22	External	-20 to +50	1-1/8"	1-3/8"	**829.00**	**755.00**
B12-231	TRAE50HC	50	R22	External	-20 to +50	1-1/8"	1-3/8"	**1099.00**	**979.00**
B14-078	TRAE60HC	60	R22	External	-20 to +50	1-1/8"	1-3/8"	**1145.00**	**1045.00**
B14-079	TRAE70HC	70	R22	External	-20 to +50	1-1/8"	1-3/8"	**1145.00**	**1045.00**

EMERSON Climate Technologies



NXT-Series R410A Expansion Valves

- Designed for air conditioning and heat pump applications
- Balanced port construction
- Compact size allows installation in limited spaces
- Precision superheat control optimized for R410A systems
- Stainless steel power element
- Externally equalized
- Screens on ODF inlet connections
- Operating range: -20°F to +50°F
- Maximum working pressure: 700 PSIG
- Heat pump versions have internal check valve

Order #	Mfg. #	Capacity Tons	Refrig. Type	Equal. Type	Inlet Conn.	Outlet Conn.	Each
B19-340	NAE1ZAAODF	1	R410A	External	3/8" ODF	1/2" ODF	**209.00**
B19-341	NAE1ZAACHA	1	R410A	External	Chatleff	Chatleff	**235.00**
B19-356	NBE1ZAAODF	1	R410A	External	3/8" ODF	1/2" ODF	**175.00**
B19-342	NAE1-1/2ZAAODF	1-1/2	R410A	External	3/8" ODF	1/2" ODF	**209.00**
B19-343	NAE1-1/2ZAACHA	1-1/2	R410A	External	Chatleff	Chatleff	**235.00**
B19-357	NBE1-1/2ZAAODF	1-1/2	R410A	External	3/8" ODF	1/2" ODF	**175.00**
B19-344	NAE2ZAAODF	2	R410A	External	3/8" ODF	1/2" ODF	**209.00**
B19-345	NAE2ZAACHA	2	R410A	External	Chatleff	Chatleff	**235.00**
B19-358	NBE2ZAAODF	2	R410A	External	3/8" ODF	1/2" ODF	**175.00**
B19-346	NAE3ZAAODF	3	R410A	External	3/8" ODF	1/2" ODF	**209.00**
B19-347	NAE3ZAACHA	3	R410A	External	Chatleff	Chatleff	**235.00**
B19-359	NBE3ZAAODF	3	R410A	External	3/8" ODF	1/2" ODF	**175.00**
B19-348	NAE4ZAAODF	4	R410A	External	3/8" ODF	1/2" ODF	**209.00**
B19-349	NAE4ZAACHA	4	R410A	External	Chatleff	Chatleff	**235.00**
B19-360	NBE4ZAAODF	4	R410A	External	3/8" ODF	1/2" ODF	**175.00**
B19-350	NAE5ZAAODF	5	R410A	External	1/2" ODF	5/8" ODF	**209.00**
B19-351	NAE5ZAACHA	5	R410A	External	Chatleff	Chatleff	**235.00**
B19-361	NBE5ZAAODF	5	R410A	External	1/2" ODF	5/8" ODF	**175.00**
B19-352	NAE6ZAAODF	6	R410A	External	1/2" ODF	5/8" ODF	**215.00**
B19-353	NAE6ZAACHA	6	R410A	External	Chatleff	Chatleff	**239.00**
B19-362	NBE6ZAAODF	6	R410A	External	1/2" ODF	5/8" ODF	**179.00**
B19-354	NAE7ZAAODF	7	R410A	External	5/8" ODF	7/8" ODF	**215.00**
B19-355	NAE7ZAACHA	7	R410A	External	Chatleff	Chatleff	**239.00**
B19-363	NBE7ZAAODF	7	R410A	External	5/8" ODF	7/8" ODF	**179.00**

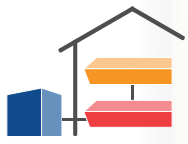
EMERSON Climate Technologies



TFE R410A Series Expansion Valves

- Designed for 12 to 20 ton heat pumps, air conditioning and commercial refrigeration applications
- Balanced port construction
- Stainless steel replaceable power elements
- External superheat adjustment
- Straight through sweat connections
- Bi-flow capability
- External equalizer

Order #	Mfg. #	Application	Capacity Tons	Refrig. Type	Equal. Type	Inlet Conn.	Outlet Conn.	Each
B18-071	TFES12ZAA	Wide Range/Heat Pump	12	R410A	External	5/8" ODF	7/8" ODF	**325.00**
B18-072	TFES16ZAA	Wide Range/Heat Pump	16	R410A	External	5/8" ODF	7/8" ODF	**325.00**
B18-073	TFES16ZAA	Wide Range/Heat Pump	16	R410A	External	7/8" ODF	1-1/8" ODF	**349.00**
B18-074	TFES20ZAA	Wide Range/Heat Pump	20	R410A	External	5/8" ODF	7/8" ODF	**365.00**
B18-075	TFES20ZAA	Wide Range/Heat Pump	20	R410A	External	7/8" ODF	1-1/8" ODF	**355.00**



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ADK Solid Core Liquid Line Filter-Driers

- Designed to protect refrigeration systems from liquid and solid contaminants
- Specially blended and molded block form desiccant gives exceptional moisture and acid removal, as well as excellent filtration
- Full flow fittings for low pressure drop
- Shock resistant steel shell construction
- Solid copper sweat and flare fittings
- Capacity ratings listed below are nominal system tonnage
- **B13-265** through **B13-280** are rated for 600 PSI maximum working pressure, good for R410A usage



Order #	Mfg. #	Conn. Size	Cubic Inches	Length	R12/R134a Capacity	R22/R410A Capacity	R404A/R507 Capacity	Each	10 Lot	25 Lot
B13-265	ADK032	1/4" SAE	3	4.38"	1.0	1.5	0.5	**25.99**	**24.49**	**23.49**
B13-266	ADK032S	1/4" ODF	3	3.88"	1.0	1.5	0.5	**25.99**	**24.49**	**23.49**
B13-267	ADK052	1/4" SAE	5	4.88"	1.0	1.5	0.5	**34.49**	**32.99**	**31.49**
B13-268	ADK052S	1/4" ODF	5	4.44"	1.0	1.5	0.5	**34.49**	**32.99**	**31.49**
B13-269	ADK053	3/8" SAE	5	5.13"	3.0	4.0	1.5	**34.49**	**32.99**	**31.49**
B13-270	ADK053S	3/8" ODF	5	4.50"	3.0	4.0	1.5	**34.49**	**32.99**	**31.49**
B13-271	ADK082	1/4" SAE	8	5.63"	1.5	2.0	0.8	**42.49**	**40.49**	**38.49**
B13-272	ADK082S	1/4" ODF	8	5.00"	1.5	2.0	0.8	**42.49**	**40.49**	**38.49**
B13-273	ADK083	3/8" SAE	8	5.94"	4.0	5.0	2.0	**42.49**	**40.49**	**38.49**
B13-274	ADK083S	3/8" ODF	8	5.38"	4.0	5.0	2.0	**42.49**	**40.49**	**38.49**
B13-275	ADK162	1/4" SAE	16	6.56"	1.5	2.0	1.0	**55.00**	**53.00**	**48.99**
B13-276	ADK162S	1/4" ODF	16	6.94"	1.5	2.0	1.0	**59.00**	**55.00**	**53.00**
B13-277	ADK163	3/8" SAE	16	6.75"	4.0	5.0	3.0	**55.00**	**53.00**	**48.99**
B13-278	ADK163S	3/8" ODF	16	6.25"	4.0	5.0	3.0	**55.00**	**53.00**	**48.99**
B13-279	ADK164	1/2" SAE	16	7.13"	5.0	10.0	3.0	**65.00**	**59.00**	**55.00**
B13-280	ADK164S	1/2" ODF	16	6.38"	5.0	10.0	3.0	**65.00**	**59.00**	**55.00**
B13-879	ADK303S	3/8" ODF	30	8.94"	4.0	6.0	3.0	**95.00**	**89.00**	**85.00**
B13-281	ADK304	1/2" SAE	30	9.81"	7.5	10.0	4.0	**95.00**	**89.00**	**85.00**
B13-282	ADK304S	1/2" ODF	30	9.06"	7.5	10.0	4.0	**95.00**	**89.00**	**85.00**
B13-283	ADK305	5/8" SAE	30	10.31"	10.0	15.0	5.0	**95.00**	**89.00**	**85.00**
B13-284	ADK305S	5/8" ODF	30	9.25"	10.0	15.0	5.0	**95.00**	**89.00**	**85.00**

ADK VCAP Liquid Line Filter-Drier

- Designed to protect refrigerant systems from liquid and solid contaminants
- Specially blended and molded block form desiccant gives exceptional moisture and acid removal, as well as efficient filtration
- Full flow fittings for low pressure drop
- 1/4" access port, capillary tube connection
- Capacity ratings listed below are nominal system tonnage



Order #	Mfg. #	Conn. Size	Cubic Inches	Length	R12/R134a Capacity	R22/R410A Capacity	R404A/R507 Capacity	Each	10 Lot	25 Lot
B13-292	ADK032SVCAP	1/4" x Cap. Tube	3	5.80"	1.0	1.5	0.5	**42.99**	**40.99**	**38.99**

EK Series Liquid Line Filter-Driers

- Filtration first, for more effective use of desiccant surface area
- Specially formulated desiccant blend for maximum removal of acid and moisture
- Process-controlled fiberglass network for premium filtration
- Compatible with CFC, HCFC and HFC refrigerants
- Capacity ratings listed below are nominal system tonnage
- **B12-251** through **B12-270** are rated for 600 PSI maximum working pressure, good for R410A usage



Order #	Mfg. #	Conn. Size	Cubic Inches	Length	R12/R134a Capacity	R22/R410A Capacity	R404A/R507 Capacity	Each	10 Lot	25 Lot
B12-251	EK-032	1/4" SAE	3	4.38"	1.0	1.5	0.5	**27.49**	**25.99**	**24.99**
B12-252	EK-032S	1/4" ODF	3	3.88"	1.0	1.5	0.5	**27.49**	**25.99**	**24.99**
B13-992	EK-032FM	1/4" F x M	3	3.50"	1.0	1.5	0.5	**27.49**	**26.49**	**24.99**
B13-993	EK-032MF	1/4" M x F	3	3.50"	1.0	1.5	0.5	**27.49**	**25.99**	**24.99**
B12-253	EK-052	1/4" SAE	5	4.81"	1.0	1.5	0.5	**33.99**	**32.49**	**30.49**
B12-254	EK-052S	1/4" ODF	5	4.44"	1.0	1.5	0.5	**33.99**	**32.49**	**30.49**
B12-255	EK-053	3/8" SAE	5	5.13"	3.0	4.0	1.5	**33.99**	**32.49**	**30.49**
B12-256	EK-053S	3/8" ODF	5	4.50"	3.0	4.0	1.5	**32.49**	**30.99**	**29.49**
B12-257	EK-082	1/4" SAE	8	5.63"	1.5	2.0	0.8	**41.99**	**39.99**	**37.99**
B12-258	EK-082S	1/4" ODF	8	5.25"	1.5	2.0	0.8	**41.99**	**39.99**	**37.99**
B12-259	EK-083	3/8" SAE	8	5.94"	4.0	5.0	2.0	**41.99**	**39.49**	**36.99**
B12-260	EK-083S	3/8" ODF	8	5.31"	4.0	5.0	2.0	**40.49**	**37.99**	**35.99**
B12-261	EK-084	1/2" SAE	8	6.19"	5.0	7.5	2.0	**43.99**	**41.49**	**39.49**
B12-262	EK-084S	1/2" ODF	8	5.38"	5.0	7.5	2.0	**43.49**	**41.49**	**39.49**
B12-263	EK-162	1/4" SAE	16	6.56"	1.5	2.0	1.0	**55.00**	**53.00**	**48.49**

continued on next page

Order #	Mfg. #	Conn. Size	Cubic Inches	Length	R12/R134a Capacity	R22/R410A Capacity	R404A/R507 Capacity	Each	10 Lot	25 Lot
B12-264	EK-162S	1/4" ODF	16	6.19"	1.5	2.0	1.0	**55.00**	**53.00**	**48.49**
B12-265	EK-163	3/8" SAE	16	6.88"	4.0	5.0	3.0	**55.00**	**49.49**	**46.49**
B12-266	EK-163S	3/8" ODF	16	6.25"	4.0	5.0	3.0	**55.00**	**48.99**	**45.99**
B12-267	EK-164	1/2" SAE	16	7.06"	5.0	10.0	3.0	**59.00**	**55.00**	**53.00**
B12-268	EK-164S	1/2" ODF	16	6.31"	5.0	10.0	3.0	**59.00**	**55.00**	**53.00**
B12-269	EK-165	5/8" SAE	16	7.50"	7.5	12.0	3.0	**65.00**	**59.00**	**55.00**
B12-270	EK-165S	5/8" ODF	16	6.31"	7.5	12.0	3.0	**65.00**	**59.00**	**55.00**
B12-271	EK-303	3/8" SAE	30	9.63"	4.0	6.0	3.0	**99.00**	**95.00**	**89.00**
B12-272	EK-303S	3/8" ODF	30	9.00"	4.0	6.0	3.0	**99.00**	**95.00**	**89.00**
B12-273	EK-304	1/2" SAE	30	9.88"	7.5	10.0	4.0	**99.00**	**95.00**	**89.00**
B12-274	EK-304S	1/2" ODF	30	9.13"	7.5	10.0	4.0	**99.00**	**95.00**	**89.00**
B12-275	EK-305	5/8" SAE	30	10.31"	10.0	15.0	5.0	**99.00**	**95.00**	**89.00**
B12-276	EK-305S	5/8" ODF	30	9.31"	10.0	15.0	5.0	**95.00**	**89.00**	**85.00**
B12-277	EK-307S	7/8" ODF	30	9.88"	18.0	24.0	5.0	**105.00**	**101.00**	**95.00**
B12-278	EK-414	1/2" SAE	41	10.00"	7.5	12.0	5.0	**139.00**	**135.00**	**125.00**
B12-279	EK-414S	1/2" ODF	41	9.25"	7.5	12.0	5.0	**139.00**	**135.00**	**125.00**
B12-280	EK-415	5/8" SAE	41	10.44"	12.0	18.0	7.5	**139.00**	**135.00**	**125.00**
B12-281	EK-415S	5/8" ODF	41	9.44"	12.0	18.0	7.5	**139.00**	**135.00**	**125.00**
B12-282	EK-417S	7/8" ODF	41	10.00"	18.0	25.0	7.5	**139.00**	**135.00**	**125.00**
B12-283	EK-419S	1-1/8" ODF	41	10.94"	20.0	27.0	10.0	**149.00**	**145.00**	**135.00**

EMERSON Climate Technologies

UNIVERSAL PARTS



EK Series Contractor Filter-Driers

- Liquid line drier designed for contractors by contractors
- Quick and easy installation — extended solder connections eliminates need to add coupling or tubing
- Faster system diagnosis — Schraeder valves on inlet and outlet for maintenance and charging port
- Premium EK construction provides filtration down to 20 microns
- Compatible with all CFC, HCFC and HFC refrigerants
- Capacity ratings listed below are nominal system tonnage

Order #	Mfg. #	Conn. Size	Cubic Inches	Length	R12/R134a Capacity	R22/R410A Capacity	R404A/R507 Capacity	Each	10 Lot	25 Lot
B15-359	EK032SVV	1/4" ODF	3	3.88"	1.0	1.5	0.5	**35.49**	**33.49**	**31.99**
B15-360	EK052SVV	1/4" ODF	5	4.44"	1.0	1.5	0.5	**42.49**	**39.99**	**37.99**
B15-361	EK053SVV	3/8" ODF	5	4.50"	3.0	4.0	1.5	**42.49**	**39.99**	**37.99**
B15-362	EK083SVV	3/8" ODF	8	5.31"	4.0	5.0	2.0	**55.00**	**47.99**	**45.49**
B15-363	EK163SVV	3/8" ODF	16	6.25"	4.0	5.0	3.0	**65.00**	**62.00**	**59.00**

EMERSON Climate Technologies

UNIVERSAL PARTS



BOK Series Liquid Line Burnout Filter-Driers

- Incorporates HH blended solid core for effective clean-up following severe burnouts
- Charcoal blend for soluble contaminant and wax removal
- Solid copper fittings
- Capacity ratings listed below are nominal system tonnage

Order #	Mfg. #	Conn. Size	Cubic Inches	Length	R12/R134a Capacity	R22/R410A Capacity	R404A/R507 Capacity	Each
B13-945	BOK082HH	1/4" SAE	8	5.63"	1.5	2.0	0.8	**55.00**
B13-946	BOK083HH	3/8" SAE	8	5.94"	4.0	5.0	2.0	**55.00**
B13-947	BOK162HH	1/4" SAE	16	6.44"	1.5	2.0	1.0	**75.00**
B13-948	BOK163HH	3/8" SAE	16	6.75"	4.0	5.0	3.0	**65.00**
B13-949	BOK163SHH	3/8" ODF	16	6.13"	4.0	5.0	3.0	**65.00**
B13-950	BOK164HH	1/2" SAE	16	6.94"	5.0	10.0	3.0	**75.00**
B13-951	BOK164SHH	1/2" ODF	16	6.19"	5.0	10.0	3.0	**75.00**
B13-952	BOK165HH	5/8" SAE	16	7.44"	7.5	12.0	3.0	**95.00**
B13-953	BOK165SHH	5/8" ODF	16	6.38"	7.5	12.0	3.0	**79.00**
B13-954	BOK303HH	3/8" SAE	30	9.63"	4.0	6.0	3.0	**149.00**
B13-955	BOK304HH	1/2" SAE	30	9.88"	7.5	10.0	4.0	**129.00**
B13-956	BOK304SHH	1/2" ODF	30	9.13"	7.5	10.0	4.0	**139.00**
B13-957	BOK305HH	5/8" SAE	30	10.31"	10.0	15.0	5.0	**129.00**
B13-958	BOK305SHH	5/8" ODF	30	9.31"	10.0	15.0	5.0	**139.00**
B13-959	BOK414HH	1/2" SAE	41	10.00"	7.5	12.0	5.0	**189.00**
B13-960	BOK415HH	5/8" SAE	41	9.25"	12.0	18.0	7.5	**175.00**
B13-961	BOK415SHH	5/8" ODF	41	9.25"	12.0	18.0	7.5	**175.00**
B13-962	BOK417SHH	7/8" ODF	41	10.44"	18.0	25.0	7.5	**195.00**

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Copper Spun Driers

- 100% molecular sieve
- Tubes can be easily cut, flared or bent for job adaptation
- Superior mesh screens provide added filtering capacity
- Capacity ratings listed below are nominal system tonnage
- CU-80 is non-directional
- CU-620 includes access valve



Order #	Mfg. #	Cubic Inches	Length	R12/R134a Capacity	R22/R410A Capacity	R404A/R507 Capacity	Each
B18-861	CU-80	3	7 3/8"	1/3	1/2	1/3	**11.99**
B18-862	CU-200	3	10 ½"	3/4	1	3/4	**19.99**
B18-863	CU-319	3	9 ¾"	1	2	1	**22.49**
B18-864	CU-620	3	9 ½"	1	2	1	**25.99**

Spun Copper Liquid Line Filter-Driers

- Large capacity spun copper solid core driers
- Corrosion resistant, for ocean-going vessels and coastal applications
- All-copper construction, 100% molecular sieve solid core drier
- Capacity ratings listed below are nominal system tonnage



Order #	Mfg. #	Conn. Size	Cubic Inches	Length	R12/R134a Capacity	R22/R410A Capacity	R404A/R507 Capacity	Each
B13-567	CU083S	3/8" ODF	8	3.94"	3.5	3.8	2.5	**65.00**
B13-568	CU163S	3/8" ODF	16	6.63"	4.0	4.3	2.9	**69.00**

BSL Liquid Line Filter-Driers

- Economical liquid line drier for air conditioning applications
- Filtration to 40 microns
- Solid copper connections
- Capacity ratings listed below are nominal system tonnage



Order #	Mfg. #	Conn. Size	Cubic Inches	Length	R22/R410A Capacity	Each	10 Lot	25 Lot
B17-217	BSL-053S	3/8" ODF	5	4.50"	4.0	**25.99**	**24.49**	**23.49**
B17-218	BSL-083S	3/8" ODF	8	5.38"	5.0	**29.99**	**28.49**	**26.99**
B17-219	BSL-163S	3/8" ODF	16	6.25"	5.0	**37.49**	**35.49**	**33.99**

Heat Pump Filter-Driers

- Protection for both heating and cooling cycles in one filter-drier
- Removes moisture, acid and solid contaminants
- Internal check valve allows flow and filtration in either direction
- May be mounted in any position
- Capacity ratings listed below are nominal system tonnage



Order #	Mfg. #	Conn. Size	Cubic Inches	Length	R12/R134a Capacity	R22/R410A Capacity	R404A/R507 Capacity	Each	10 Lot	25 Lot
B13-941	BFK052	1/4" SAE	5	4.82"	1.0	1.5	0.5	**65.00**	**62.00**	**59.00**
B13-942	BFK052S	1/4" ODF	5	4.44"	1.0	1.5	0.5	**65.00**	**62.00**	**59.00**
B12-285	BFK083	3/8" SAE	8	5.94"	4.0	5.0	2.0	**75.00**	**69.00**	**65.00**
B12-286	BFK-083S	3/8" ODF	8	5.29"	4.0	5.0	2.0	**69.00**	**65.00**	**62.00**
B12-287	BFK084	1/2" SAE	8	6.16"	5.0	7.5	2.0	**75.00**	**69.00**	**66.00**
B12-288	BFK-084S	1/2" ODF	8	5.38"	5.0	7.5	2.0	**75.00**	**69.00**	**66.00**
B12-290	BFK163	3/8" SAE	16	6.74"	4.0	5.0	3.0	**105.00**	**99.00**	**95.00**
B12-291	BFK-163S	3/8" ODF	16	6.08"	4.0	5.0	3.0	**105.00**	**95.00**	**89.00**
B12-292	BFK164	1/2" SAE	16	6.96"	5.0	10.0	3.0	**109.00**	**105.00**	**99.00**
B12-293	BFK-164S	1/2" ODF	16	6.17"	5.0	10.0	3.0	**105.00**	**99.00**	**95.00**
B12-294	BFK165	5/8" SAE	16	7.41"	7.5	12.0	3.0	**109.00**	**105.00**	**99.00**
B12-295	BFK165S	5/8" ODF	16	6.39"	7.5	12.0	3.0	**109.00**	**105.00**	**99.00**
B13-943	BFK304	1/2" SAE	30	9.81"	7.5	10.0	4.0	**155.00**	**145.00**	**139.00**
B13-944	BFK304S	1/2" ODF	30	9.02"	7.5	10.0	4.0	**149.00**	**139.00**	**135.00**

BSB Bi-Flow Filter-Driers

- Economical bi-flow drier for air conditioning applications
- 680 PSIG maximum working pressure
- Solid copper connections — easy installation
- Capacity ratings listed below are nominal system tonnage
- Protects during heating and cooling cycles



Order #	Mfg. #	Conn. Size	Cubic Inches	Length	R22/R410A Capacity	Each	10 Lot	25 Lot
B17-224	BSB-083S	3/8" ODF	8	5.29"	4.0	**44.99**	**42.49**	**40.49**
B17-225	BSB-163S	3/8" ODF	16	6.08"	5.0	**49.49**	**46.99**	**44.49**

EMERSON Climate Technologies

ALF Liquid Line Filters



- Ideal for protecting expansion and solenoid valves from debris
- Maximizes removal of finer particles
- Also for use as recovery, recycle and reclaim filter
- Filtration: 20 microns
- Capacity ratings listed below are nominal system tonnage

Order #	Mfg. #	Conn. Size	Cubic Inches	Length	R12/R134a Capacity	R22/R410A Capacity	R404A/R507 Capacity	Each
B13-901	ALF032S	1/4" ODF	3	3.88"	7.6	8.0	8.0	**34.99**
B13-903	ALF033S	3/8" ODF	3	4.00"	7.6	8.0	8.0	**30.49**
B13-904	ALF034S	1/2" ODF	3	4.00"	7.6	8.0	8.0	**31.99**
H25-132	ALF032MF	1/4" M x F	3	4.38"	7.6	8.0	8.0	**27.99**
B13-905	ALF052MF	1/4" M x F	5	4.38"	7.6	8.0	8.0	**109.00**

EMERSON Climate Technologies

ASD Series Suction Line Filter-Driers



- Highly efficient filter-drier for cleanup after a burnout, or after major work has been performed
- Specially formulated and blended desiccant for maximum removal of acid and moisture
- Filtration to less than 10 microns
- Full copper fittings — easy to sweat in
- Dual access valves make system diagnosis easier
- Rugged, durable steel shells
- Compatible with all CFC, HCFC and HFC refrigerants
- Capacity ratings listed below are nominal system tonnage

Order #	Mfg. #	Conn. Size	Cubic Inches	Length	R12/R134a Capacity	R22/R410A Capacity	R404A/R507 Capacity	Each	10 Lot	25 Lot
B12-296	ASD-28F3	3/8" SAE	28	5.59"	0.8	1.7	0.8	**79.00**	**75.00**	**69.00**
B12-297	ASD-28S3-VV	3/8" ODF	28	5.59"	1.1	2.3	1.1	**129.00**	**125.00**	**119.00**
B12-298	ASD-28S4-VV	1/2" ODF	28	5.69"	1.9	3.8	1.9	**129.00**	**125.00**	**119.00**
B12-299	ASD-35F5-VV	5/8" SAE	35	7.56"	2.2	4.4	2.2	**165.00**	**155.00**	**149.00**
B12-300	ASD-35S5-VV	5/8" ODF	35	6.22"	2.9	5.8	2.8	**159.00**	**155.00**	**145.00**
B12-301	ASD-45S6-VV	3/4" ODF	45	7.75"	3.9	7.0	3.4	**185.00**	**175.00**	**165.00**
B12-302	ASD-45S7-VV	7/8" ODF	45	7.94"	5.1	9.2	4.5	**185.00**	**175.00**	**165.00**
B12-303	ASD-50S9-VV	1-1/8" ODF	50	8.84"	7.3	13.2	6.5	**219.00**	**205.00**	**195.00**
B12-304	ASD-75S11-VV	1-3/8" ODF	75	12.25"	8.8	16.2	7.8	**299.00**	**285.00**	**269.00**
B12-305	ASD-75S13-VV	1-5/8" ODF	75	12.16"	9.3	17.3	8.5	**299.00**	**285.00**	**269.00**

Capacity Information

		Flow Capacity in Tons at Listed Conditions (Evaporator Temperature/Pressure Drop)								
		R12			R22			R502		
Order #	Mfg. #	40°F @ 2#	20°F @ 1.5#	-20°F @ 0.5#	40°F @ 3#	20°F @ 2#	-20°F @ 1#	20°F @ 2#	-20°F @ 1#	-40°F @ 0.5#
B12-296	ASD-28F3	0.8	0.5	0.3	1.7	1.0	0.50	0.83	0.38	0.27
B12-297	ASD-28S3-VV	1.1	0.6	0.4	2.3	1.3	0.64	1.10	0.45	0.33
B12-298	ASD-28S4-VV	1.9	1.2	0.6	3.8	2.1	1.00	1.80	0.74	0.53
B12-299	ASD-35F5-VV	2.2	1.4	0.8	4.4	2.5	1.20	2.10	0.88	0.64
B12-300	ASD-35S5-VV	2.9	1.9	1.0	5.8	3.2	1.60	2.80	1.10	0.84
B12-301	ASD-45S6-VV	3.9	2.5	1.1	7.0	4.6	2.0	3.70	1.60	1.00
B12-302	ASD-45S7-VV	5.1	3.5	1.3	9.2	6.0	2.60	4.80	2.00	1.10
B12-303	ASD-50S9-VV	7.3	4.9	1.6	13.2	8.5	3.50	6.90	2.80	1.40
B12-304	ASD-75S11-VV	8.8	5.8	1.8	16.2	10.2	4.00	8.40	3.20	1.60
B12-305	ASD-75S13-VV	9.3	6.1	1.9	17.3	10.7	4.20	8.90	3.40	1.70



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SFD Series Suction Line Filter-Driers

- Full copper fittings, easy to sweat in
- Dual access valves to check pressure drop
- Rugged steel shells for shock resistance
- Corrosion-resistant finish
- Low pressure drop, full flow fittings
- Safe working pressure to 400 PSIG
- Compatible with all CFC, HCFC and HFC refrigerants
- Capacities listed below are based on nominal system tonnage



Order #	Mfg. #	Conn. Size	Cubic Inches	Length	R12/R134a Capacity	R22/R410A Capacity	R404A/R507 Capacity	Each	10 Lot	25 Lot
B14-049	SFD08S5-VV	5/8" ODF	8	5.16"	1.5	2.5	1.5	**95.00**	**89.00**	**85.00**
B14-050	SFD13F3-VV	3/8" SAE	13	5.50"	0.7	1.4	0.7	**109.00**	**105.00**	**99.00**
B14-051	SFD13F4-VV	1/2" SAE	13	5.75"	1.5	2.4	1.2	**105.00**	**95.00**	**91.00**
B14-052	SFD13F5-VV	5/8" SAE	13	6.13"	2.5	3.7	1.8	**109.00**	**105.00**	**95.00**
B12-519	SFD13S3-V V	3/8" ODF	13	4.84"	1.3	2.2	1.1	**99.00**	**95.00**	**89.00**
B12-520	SFD13S4-V V	1/2" ODF	13	4.94"	2.3	3.5	1.7	**105.00**	**95.00**	**91.00**
B12-521	SFD13S5-V V	5/8" ODF	13	5.16"	3.1	4.9	2.4	**105.00**	**99.00**	**95.00**
B12-522	SFD13S6-V V	3/4" ODF	13	5.25"	4.1	6.4	3.1	**105.00**	**99.00**	**95.00**
B12-523	SFD13S7-V V	7/8" ODF	13	5.75"	4.4	7.2	3.5	**105.00**	**99.00**	**95.00**
B14-053	SFD27S6-VV	3/4" ODF	27	7.00"	4.1	6.4	3.1	**149.00**	**145.00**	**135.00**
B12-524	SFD27S7-V V	7/8" ODF	27	7.50"	4.7	7.5	3.7	**149.00**	**139.00**	**135.00**
B12-525	SFD27S9-V V	1-1/8" ODF	27	7.63"	5.2	8.5	4.2	**159.00**	**149.00**	**145.00**
B12-526	SFD54S11-V V	1-3/8" ODF	54	12.25"	4.5	7.3	3.6	**249.00**	**239.00**	**225.00**

CSFD Compact Suction Line Filter-Driers

- Compact solid core filter-drier, perfect for short lay-ins
- Provides moisture, acid and contaminant removal
- Dual access valves, solid copper fittings
- For use with CFC, HCFC and HFC refrigerants
- Capacity ratings listed below are nominal system tonnage



Order #	Mfg. #	Conn. Size	Cubic Inches	Length	R12/R134a Capacity	R22/R410A Capacity	R404A/R507 Capacity	Each
B13-986	CSFD-14S4VV	1/2" ODF	14	4.25"	1.3	2.0	1.0	**115.00**
B13-987	CSFD-14S5VV	5/8" ODF	14	4.50"	2.3	3.6	1.8	**115.00**
B13-988	CSFD-14S6VV	3/4" ODF	14	4.38"	3.1	4.9	2.4	**115.00**
B13-989	CSFD-14S7VV	7/8" ODF	14	4.56"	3.2	5.2	2.5	**119.00**
B13-990	CSFD-14S9VV	1-1/8" ODF	14	4.88"	4.5	7.0	3.4	**125.00**

ASK-HH Suction Line Filter-Driers

- Utilizes solid core with HH blend to maximize acid, moisture and wax removal
- For use with CFC, HCFC and HFC refrigerants
- Dual access valves, solid copper fittings
- Corrosion resistant
- Capacity ratings listed below are nominal system tonnage



Order #	Mfg. #	Conn. Size	Cubic Inches	Length	R12/R134a Capacity	R22/R410A Capacity	R404A/R507 Capacity	Each
B13-934	ASK165SVVHH	5/8" ODF	16	6.38"	2.0	3.4	1.7	**95.00**
B13-935	ASK166SVVHH	3/4" ODF	16	6.75"	2.5	4.2	2.1	**105.00**
B13-936	ASK167SVVHH	7/8" ODF	16	6.94"	2.7	4.6	2.3	**105.00**
B13-937	ASK306SVVHH	3/4" ODF	30	9.69"	3.4	5.5.	2.7	**149.00**
B13-938	ASK307SVVHH	7/8" ODF	30	9.88"	3.6	6.1	3.0	**149.00**
B13-939	ASK309SVVHH	1-1/8" ODF	30	10.19"	3.9	6.5	3.2	**155.00**

BSS Suction Line Filter-Driers

- Economical suction line drier for air conditioning applications
- Filtration to 40 microns
- Solid core construction
- Capacity ratings listed below are nominal system tonnage
- Access fittings included



Order #	Mfg. #	Conn. Size	Cubic Inches	Length	R22/R410A Capacity	Each	10 Lot	25 Lot
B17-220	BSS-165S	5/8" ODF	16	6.54"	4.5	**59.00**	**55.00**	**53.00**
B17-221	BSS-166S	3/4" ODF	16	6.95"	5.5	**65.00**	**59.00**	**55.00**
B17-222	BSS-167S	7/8" ODF	16	7.13"	6.0	**65.00**	**59.00**	**57.00**
B17-223	BSS-307S	7/8" ODF	30	9.80"	8.0	**75.00**	**72.00**	**69.00**

EMERSON Climate Technologies

UNIVERSAL PARTS



Steel Take-Apart Shells

- Simplified internal hardware for easy installation
- Corrosion-resistant epoxy paint finish
- "T" models for liquid line service
- "S–V" models for suction line service including stainless steel bolts and access valve
- Listed capacity ratings are suggested nominal tonnage (liquid line service) in accordance with ARI Standard 710-86

Order #	Mfg. #	Conn. Size	Cores	R12/R134a Capacity	R22/R407C Capacity	R404A/R507 Capacity	Wt. Lbs.	Each
B81-463	STAS-485T	5/8" ODF	1	8	10	8	8	**469.00**
B81-464	STAS-487T	7/8" ODF	1	10	12	10	8	**469.00**
B81-465	STAS-489T	1-1/8" ODF	1	10	15	10	8	**469.00**
B81-466	STAS-4811T	1-3/8" ODF	1	13	20	13	8	**525.00**
B82-153	STAS-4813S-V	1-5/8" ODF	1	13	35	20	8	**585.00**
B82-154	STAS-4817S-V	2-1/8" ODF	1	17	47	27	8	**615.00**
B81-468	STAS-967T	7/8" ODF	2	20	25	15	9	**585.00**
B81-469	STAS-969T	1-1/8" ODF	2	25	30	20	14	**545.00**
B81-470	STAS-9611T	1-3/8" ODF	2	30	35	25	14	**615.00**
B81-471	STAS-9613T	1-5/8" ODF	2	35	40	30	14	**615.00**
B82-155	STAS-9617S-V	2-1/8" ODF	2	18	50	25	17	**775.00**
B81-974	STAS-9621S-V	2-5/8" ODF	2	25	70	35	17	**799.00**
B81-472	A-TD-9625S-V	3-1/8" ODF	2	40	45	33	17	**865.00**
B82-149	STAS-1449T	1-1/8" ODF	3	46	61	40	14	**695.00**
B82-147	STAS-14411T	1-3/8" ODF	3	66	88	58	14	**695.00**
B82-148	STAS-14413T	1-5/8" ODF	3	73	97	64	14	**755.00**
B81-473	STAS-14417T	2-1/8" ODF	3	60	50	45	14	**835.00**
B82-150	STAS-19211T	1-3/8" ODF	4	71	94	62	18	**815.00**
B82-151	STAS-19213T	1-5/8" ODF	4	77	103	68	18	**815.00**
B82-152	STAS-19217T	2-1/8" ODF	4	87	115	76	18	**935.00**

Capacity Information

		Flow Capacity in Tons at Listed Conditions (Evaporator Temperature/Pressure Drop)								
		----------R12----------			----------R22----------			----------R502----------		
Order #	Mfg. #	40°F @ 2#	20°F @ 1.5#	-20°F @ 0.5#	40°F @ 3#	20°F @ 2#	-20°F @ 1#	20°F @ 2#	-20°F @ 1#	-40°F @ 0.5#
B81-463	STAS-485T	10	4	1	15	9	3	14	4	2
B81-464	STAS-487T	10	8	2	19	11	4	15	5	3
B81-465	STAS-489T	13	8	2	22	14	6	12	5	3
B81-466	STAS-4811T	15	10	3	28	17	7	15	6	4
B81-468	STAS-967T	10	8	2	19	11	4	15	5	3
B81-469	STAS-969T	13	8	2	22	14	6	12	5	3
B81-470	STAS-9611T	15	10	3	28	17	7	15	6	4
B81-471	STAS-9613T	20	12	4	35	20	8	18	7	5
B82-147	STAS-14411T	60	40	13	50	31	12	35	20	8
B82-148	STAS-14413T	67	45	15	55	35	13	40	23	10
B81-473	STAS-14417T	28	18	5	50	30	12	25	10	7
B82-149	STAS-1449T	45	30	10	40	25	10	30	17	7
B82-150	STAS-19211T	75	50	17	70	44	17	45	26	11
B82-151	STAS-19213T	90	60	20	80	50	19	55	32	13
B82-152	STAS-19217T	97	65	22	85	54	20	60	35	14
B82-153	STAS-4813S-V	13	8	3	23	13	6	21	12	5
B82-154	STAS-4817S-V	17	10	5	31	20	7	28	17	6
B82-155	STAS-9617-SV	18	12	5	33	20	8	28	17	7
B81-974	STAS-9621S-V	38	25	17	70	43	17	35	15	10
B81-472	STAS-9625S-V	50	30	10	95	60	22	50	20	12

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Replacement Parts for Steel Take-Apart Shells

Order #	Mfg. #	Description	For Use With	Each
B13-822	26439-1	Spring	—	**15.49**
B13-823	26446-1	Handle	—	**7.49**
B13-824	26447-1	Retainer	—	**15.49**
B14-083	X-11983-1	Cover Gasket (Includes Felt Set)	—	**15.49**
B14-102	X-27458-1	Shell Strainer Assembly for STAS48	STAS48	**89.00**
B14-103	X-27458-2	Shell Strainer Assembly for STAS96	STAS96	**155.00**
B82-157	X-27458-3	Shell Strainer Assembly for STAS144	STAS144	**169.00**
B82-158	X-27458-4	Shell Strainer Assembly for STAS192	STAS192	**185.00**
B12-335	X-25787-7	Stainless Steel Bolt Kit	"T" Shells	**18.99**

ADKS Series Liquid and Suction Line Filter-Driers

- Replaceable core filter-drier with full flow fittings for low pressure drop
- For large commercial air conditioning and refrigeration systems
- Capacities shown are capacities in tons at 1 PSI with 86°F liquid refrigerant temperature



Order #	Mfg. #	Conn. Size	R404A/R507 Capacity	Each
B82-137	ADKS-30017T	2-1/8" ODF	61	**1845.00**
B82-138	ADKS-40017T	2-1/8" ODF	64	**2299.00**
B82-139	ADKS-40021T	2-5/8" ODF	73	**2499.00**

Brass Take-Apart Shells

- Replaceable core filter-drier for suction line service
- Corrosion-resistant brass body with stainless steel bolts
- Special cartridge design is exclusive to brass shell
- Listed capacity ratings are suggested nominal tonnage (liquid line service) in accordance with ARI Standard 710-86 with filter-drier core



Order #	Mfg. #	Conn. Size	Length	Diam.	Nom. Size	R12/R134a Capacity	R22/R407C Capacity	Each
B13-963	BTAS-27S-V	7/8" ODF	9-1/2"	3-3/4"	2"	2.8	4.9	**455.00**
B13-964	BTAS-39S-V	1-1/8" ODF	10-3/16"	4-5/8"	3"	3.7	6.3	**575.00**
B13-965	BTAS-311S-V	1-3/8" ODF	11-1/16"	4-5/8"	3"	5.2	8.9	**575.00**
B13-966	BTAS-313S-V	1-5/8" ODF	11-1/4"	4-5/8"	3"	7.4	13.0	**635.00**
B13-967	BTAS-317S-V	2-1/8" ODF	11-1/2"	4-5/8"	3"	8.5	15.0	**635.00**
B82-140	BTAS-411S-V	1-3/8" ODF	11-13/32"	5-3/4"	4"	11.0	18.0	**875.00**
B82-141	BTAS-413S-V	1-5/8" ODF	12-1/32"	5-3/4"	4"	11.0	19.0	**845.00**
B82-142	BTAS-417S-V	2-1/8" ODF	12-9/32"	5-3/4"	4"	16.0	28.0	**875.00**
B82-143	BTAS-421S-V	2-5/8" ODF	12-13/32"	5-3/4"	4"	17.0	29.0	**935.00**
B82-144	BTAS-517S-V	2-1/8" ODF	13-7/16"	7-3/32"	5"	19.0	33.0	**1245.00**
B82-145	BTAS-521S-V	2-5/8" ODF	13-9/16"	7-3/32"	5"	23.0	40.0	**1299.00**
B82-146	BTAS-525S-V	3-1/8" ODF	13-1/4"	7-3/32"	5"	27.0	47.0	**1399.00**

Replaceable Suction Line Cores and Cartridges for "BTAS" Shells

- Filter cores provide filtration down to 10 microns
- Pleated filter affords maximum surface area for efficient gas flow
- Filter-drier cartridges incorporate a desiccant assembly to provide clean-up capability and system protection against water and acid
- Filtration first for a more effective use of the desiccant surface area
- Cores and cartridges can replace other brands of similar diameter filters used in single core suction shells, all filter cartridges and filter-drier cores contain a gasket

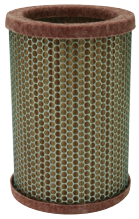


Order #	Mfg. #	Description	Diam.	Length	Each
B13-843	A2-F	Filter Core Fits Alco Shell #BTAS-2	1.91"	6.33"	**75.00**
B12-336	A3F	Filter Core Fits Alco Shell #BTAS-3	2.75"	6.87"	**95.00**
B12-337	A4F	Filter Core Fits Alco Shell #BTAS-4	3.75"	7.25"	**145.00**
B12-852	A5F	Filter Core Fits Alco Shell #BTAS-5	4.31"	8.50"	**175.00**
B13-844	A2-FD	Filter-Drier Fits Alco Shell #BTAS-2	1.91"	6.33"	**105.00**
B12-338	A3F-D	Filter-Drier Fits Alco Shell #BTAS-3	2.75"	6.87"	**139.00**
B12-339	A4F-D	Filter-Drier Fits Alco Shell #BTAS-4	3.75"	7.25"	**185.00**
B12-853	A5F-D	Filter-Drier Fits Alco Shell #BTAS-5	4.31"	8.50"	**235.00**

EMERSON Climate Technologies

Replaceable Blocks and Cores For "STAS" and "ADKS" Shells


A


B

- Exceptional acid capacities for normal system protection, or for system cleanup after a compressor burnout
- **B12-306** through **B12-309** designed for use in Alco "STAS" and "ADKS" shells; will also replace competitive brand 48 cu. in. blocks and cores
- **B12-849**, **B12-850** and **B12-851** designed for use in Alco "ADKS" shells; will also replace competitive brand 100 cu. in. blocks and cores
- **B12-308** and **B12-851** have wax removal capabilities for low-temperature R22 and R502
- Filter core provides superior suction line compressor protection

UNIVERSAL PARTS

Fig.	Order #	Mfg. #	Description	Diam.	Length	Each	10 Lot	25 Lot
A	**B12-306**	D-48	High Acid Removal	3.72"	5.50"	**65.00**	**62.00**	**59.00**
A	**B12-307**	H-48	High Acid and Water Removal	3.72"	5.50"	**46.99**	**44.49**	**42.49**
A	**B12-308**	W-48	Burnout Cleanup	3.72"	5.50"	**85.00**	**79.00**	**75.00**
B	**B12-309**	F-48	Filter (Suction Only)	3.72"	5.50"	**69.00**	**65.00**	**62.00**
B	**B14-008**	HX-48	Highest Water Removal	3.72"	5.50"	**95.00**	**89.00**	**85.00**
B	**B12-850**	F-100	Filter (Suction Only))	4.81"	6.50"	**135.00**	**129.00**	**125.00**
B	**B12-849**	H-100	High Acid and Water Removal	4.81"	6.50"	**165.00**	**155.00**	**149.00**
B	**B12-851**	W-100	Burnout Cleanup	4.81"	6.50"	**205.00**	**195.00**	**185.00**
B	**B14-081**	UK-100	Universal Replacement	4.81"	6.50"	**229.00**	**215.00**	**205.00**

Filter-Drier Core Cross Reference

Order #	Alco Mfg. #	Unit Size
B12-306	D-48	48
B12-307	H-48	48
B12-308	W-48	48
B12-849	H-100	100
B12-851	W-100	100
B12-309	F-48	48
—	F-48R	48
B12-850	F-100	100

Order #	Parker Mfg. #	Unit Size
B11-300	PCK-48	48
B11-270	PCX-48	48
B12-004	PCK-48HH	48
—	PCK-100	100
—	—	100
—	PFE48-BF	48
—	—	48
—	—	100

Sporlan Mfg. #	Unit Size
RC-4864	48
RCW-4864	48
RC-4864-HH	48
RC-10098	100
RC-10098-HH	100
RFE-48	48
RFE-48-BD	48
RFE-100	100

EMERSON Climate Technologies

UNIVERSAL PARTS

High Capacity 75% Molecular Sieve Block



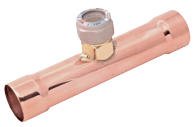
- Designed with the perfect balance of moisture and acid capacity to keep HFC/POE systems at optimum conditions
- Complies with Copeland's recommendation of a 75/25 mix of molecular sieve/activated alumina
- Perfect for new refrigerants, POE oils and retrofits
- Completely interchangeable with all competitive products
- Capacity ratings listed below are water capacity in drops of water at the listed evaporator temperature

Order #	Mfg. #	Description	Diam.	Length	Each
B12-452	UK-48	HFC/POE block	3.72"	5.50"	**75.00**

EMERSON Climate Technologies

UNIVERSAL PARTS

A-IHL Moisture Indicators



- Saddle design moisture indicators for measuring moisture content in system, and liquid line drier efficiency
- Eliminates the need for bypass installation

Order #	Mfg. #	Conn. Size	Each
B13-900	AIHL9S	1-1/8" ODF	**219.00**
B13-897	AIHL11S	1-3/8" ODF	**255.00**

Order #	Mfg. #	Conn. Size	Each
B13-898	AIHL13S	1-5/8" ODF	**289.00**
B13-899	AIHL17S	2-1/8" ODF	**365.00**

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Sight Glass/Moisture Indicators

- For use with CFC, HCFC and HFC refrigerants, including R410A
- HMI series are hermetic design; AMI series are take-apart
- Highly sensitive to moisture — gradually changes color in relation to system moisture content
- AMI-2 series are tee insert ODM indicators for applications where AIHL moisture indicators can't be used


A


B

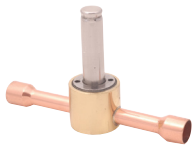

C

Fig.	Order #	Mfg. #	Description	Conn. Size	Each
A	**B12-460**	HMI-1TT2	—	1/4" ODF	**46.99**
A	**B12-461**	HMI-1TT3	—	3/8" ODF	**45.99**
A	**B12-462**	HMI-1TT4	—	1/2" ODF	**59.00**
A	**B12-463**	HMI-1TT5	—	5/8" ODF	**59.00**
A	**B12-464**	HMI-1TT7	—	7/8" ODF	**89.00**
B	**B13-371**	AMI-1FM2	—	1/4" FxM	**48.49**
B	**B13-372**	AMI-1FM3	—	3/8" FxM	**47.99**
B	**B13-373**	AMI-1FM4	—	1/2" FxM	**65.00**
B	**B13-375**	AMI-1MM3	—	3/8" MxM	**49.99**
B	**B13-376**	AMI-1MM4	—	1/2" MxM	**65.00**
B	**B13-377**	AMI-1MM5	—	5/8" MxM	**65.00**
C	**B13-914**	AMI-1SS2	—	1/4" ODF	**69.00**
C	**B13-915**	AMI-1SS3	—	3/8" ODF	**65.00**
C	**B13-916**	AMI-1SS4	—	1/2" ODF	**75.00**
C	**B13-917**	AMI-1SS5	—	5/8" ODF	**79.00**

Fig.	Order #	Mfg. #	Description	Conn. Size	Each
C	**B13-918**	AMI-1SS7	—	7/8" ODF	**115.00**
C	**B13-919**	AMI-1SS9	—	1-1/8" ODF	**125.00**
C	**B13-920**	AMI-1TT2	—	1/4" ODF (Extended End)	**75.00**
C	**B13-921**	AMI-1TT3	—	3/8" ODF (Extended End)	**75.00**
C	**B13-922**	AMI-1TT4	—	1/2" ODF (Extended End)	**75.00**
C	**B13-923**	AMI-1TT5	—	5/8" ODF (Extended End)	**85.00**
C	**B13-924**	AMI-1TT7	—	7/8" ODF (Extended End)	**125.00**
C	**B13-925**	AMI-1TT9	—	1-1/8" ODF (Extended End)	**135.00**
—	**B13-926**	AMI-2S11	—	1-3/8" ODM	**79.00**
—	**B13-927**	AMI-2S13	—	1-5/8" ODM	**125.00**
—	**B13-928**	AMI-2S17	—	2-1/8" ODM	**145.00**
—	**B14-084**	X-12978-1 Replacement Moisture Indicator	Lens Assembly Kit	—	**42.99**

100RB Series Direct-Acting Solenoid Valves

- Direct-acting, normally closed valves
- Operates in any position; mount horizontally or vertically
- One coil fits all sizes; snap-on coil retainer eases installation and removal
- Maximum fluid temperature: 285°F
- Maximum operating pressure differential: 300 PSI
- Listed capacity ratings are suggested nominal tonnage
- All valves less coil



Order #	Mfg. #	Port Size	Conn. Size	R12 Capacity	R22 Capacity	R404A Capacity	For Use With	Each	10 Lot
B12-232	100RB2F2	7/64"	1/4" SAE	0.80	1.27	0.85	—	**105.00**	**95.00**
B12-233	100RB2F3	7/64"	3/8" SAE	0.80	1.27	0.85	—	**105.00**	**95.00**
B12-234	100RB2S2	7/64"	1/4" ODF	0.80	1.27	0.85	—	**99.00**	**89.00**
B12-235	100RB2S3	7/64"	3/8" ODF	0.80	1.27	0.85	—	**99.00**	**89.00**
B13-579	100RB2S4	1/8"	1/2" ODF	0.80	1.27	0.83	—	**105.00**	**95.00**
B14-082	X-11981-1 Spanner Wrench	—	—	—	—	—	100RB Valves	**16.49**	**14.99**

Coils And Parts For Solenoid Type Valves

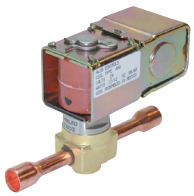
- **B12-310** through **B12-313** are UL listed; CSA approved

Order #	Mfg. #	Description	Each
B13-894	AHG-208/240	208/240V High Temperature Coil	**215.00**
B13-895	AHG-24	24V High Temperature Coil	**215.00**
B13-896	AHG-120	120V High Temperature Coil	**199.00**
B12-310	AMG-24	24V Solenoid Coil	**99.00**
B12-311	AMG-120	120V Solenoid Coil	**99.00**
B12-312	AMG-240	240V Solenoid Coil	**99.00**
B12-313	AMG-120/240	120/240V Dual Voltage Coil	**125.00**
B13-908	AMG-277	277V Coil	**149.00**
B13-909	AMG-480	480V Coil	**149.00**
B13-906	AMG-12DC	12V DC Coil	**149.00**
B13-907	AMG-24DC	24V DC Coil	**149.00**
B13-929	AMS-208-240	208/240V Spade Style Coil	**135.00**

Order #	Mfg. #	Description	Each
B13-930	AMS-24	24V Spade Style Coil	**135.00**
B13-931	AMS-120	120V Spade Style Coil	**135.00**
B12-416	KS30117	Manual Stem Kit for 200RB Series Valves	**85.00**
B17-999	KS30386	Repair Kit for 200RD2-6	**169.00**
B12-316	KS30321	Repair Kit for 240RA8 Valve	**199.00**
B12-317	KS30322	Repair Kit for 240RA9 Valve	**219.00**
B13-293	KS30323	Repair Kit for 240RA12 Valve	**199.00**
B13-294	KS30324	Repair Kit for 240RA16 Valve	**219.00**
B13-295	KS30325	Repair Kit for 240RA20 Valve	**365.00**
B18-001	KS30387	Biflow Conversion Kit for 200RD2-6	**105.00**
B12-318	KS30066	Manual Stem Kit for 240RA8 Valve	**125.00**
B12-319	KS30067	Manual Stem Kit for 240RA9 Valve	**129.00**

EMERSON Climate Technologies

UNIVERSAL PARTS



200RB Series Pilot-Operated Solenoid Valves

- Pilot-operated, normally closed valves; all valves less coil
- Snap-on coil retainer eases installation and removal
- 285°F maximum fluid temperature; 300 PSI MOPD
- T models include mounting bracket adapter, 1/4" port and larger convert to manual stem
- M models include manual stem
- Listed capacity ratings are suggested nominal tonnage
- **B13-788** through **B13-792** are biflow solenoids
- 200RD R410A approved solenoid available

Order #	Mfg. #	Port Size	Conn. Size	R12 Capacity	R22 Capacity	R404A Capacity	Each
B13-749	200RB2T2	1/8"	1/4" ODF	2.0	3.1	2.0	**125.00**
B13-750	200RB2T2T	1/8"	1/4" ODF	2.0	3.1	2.0	**129.00**
B13-582	200RB2F3	1/8"	3/8" SAE	2.0	3.1	2.0	**125.00**
B12-528	200RB2T3	1/8"	3/8" ODF	2.0	3.1	2.1	**119.00**
B13-751	200RB2T3T	1/8"	3/8" ODF	2.0	3.1	2.0	**125.00**
B13-752	200RB3F3	3/16"	3/8" SAE	3.0	4.8	3.1	**155.00**
B13-753	200RB3F3-T	3/16"	3/8" SAE	3.0	4.8	3.1	**155.00**
B12-236	200RB3T3	3/16"	3/8" ODF	3.0	4.0	3.1	**145.00**
B13-754	200RB3F4	3/16"	1/2" SAE	3.0	4.8	3.1	**155.00**
B13-755	200RB3F4-T	3/16"	1/2" SAE	3.0	4.8	3.1	**155.00**
B13-756	200RB3T2	3/16"	1/4" ODF	3.0	4.8	3.1	**149.00**
B13-757	200RB3T3T	3/16"	3/8" ODF	3.0	4.8	3.1	**145.00**
B12-529	200RB3T4	3/16"	1/2" ODF	3.0	4.8	3.2	**145.00**
B13-758	200RB4F3	1/4"	3/8" SAE	3.6	5.6	3.6	**189.00**
B13-759	200RB4F3-M	1/4"	3/8" SAE	3.6	5.6	3.6	**245.00**
B12-237	200RB4F3-T	1/4"	3/8" SAE	3.6	5.6	3.7	**185.00**
B13-760	200RB4T3	1/4"	3/8" ODF	3.6	5.6	3.6	**185.00**
B12-238	200RB4T3-T	1/4"	3/8" ODF	3.6	5.6	3.7	**185.00**
B12-773	200RB4T3-M	1/4"	3/8" ODF	3.6	5.6	3.7	**229.00**
B13-761	200RB4T4	1/4"	1/2" ODF	3.6	5.6	3.6	**189.00**
B12-530	200RB4T4-T	1/4"	1/2" ODF	3.6	5.6	3.7	**185.00**
B12-774	200RB4T4M	1/4"	1/2" ODF	3.6	5.6	3.7	**229.00**
B13-762	200RB4T5	1/4"	5/8" ODF	3.6	5.6	3.6	**189.00**
B13-763	200RB4T5M	1/4"	5/8" ODF	3.6	5.6	3.6	**245.00**
B13-764	200RB4T5T	1/4"	5/8" ODF	3.6	5.6	3.6	**195.00**
B13-770	200RB5T3	5/16"	3/8" ODF	5.3	8.2	5.3	**239.00**
B13-771	200RB5T3T	5/16"	3/8" ODF	5.3	8.2	5.3	**245.00**
B13-765	200RB5F4	5/16"	1/2" SAE	5.3	8.2	5.3	**245.00**
B13-766	200RB5F4-M	5/16"	1/2" SAE	5.3	8.2	5.3	**295.00**
B13-767	200RB5F4-T	5/16"	1/2" SAE	5.3	8.2	5.3	**245.00**
B13-772	200RB5T4	5/16"	1/2" ODF	5.3	8.2	5.3	**239.00**
B12-239	200RB5T4-T	5/16"	1/2" ODF	5.3	8.2	5.4	**229.00**
B12-775	200RB5T4M	5/16"	1/2" ODF	5.3	8.2	5.4	**269.00**
B13-768	200RB5F5	5/16"	5/8" SAE	5.3	8.2	5.3	**245.00**
B13-769	200RB5F5-T	5/16"	5/8" SAE	5.3	8.2	5.3	**245.00**
B13-773	200RB5T5	5/16"	5/8" ODF	5.3	8.2	5.3	**239.00**
B13-774	200RB5T5M	5/16"	5/8" ODF	5.3	8.2	5.3	**285.00**
B12-240	200RB5T5-T	5/16"	5/8" ODF	5.3	8.2	5.4	**229.00**
B13-775	200RB6F4-M	3/8"	1/2" SAE	6.4	10.0	6.5	**295.00**
B13-776	200RB6F4-T	3/8"	1/2" SAE	6.4	10.0	6.5	**245.00**
B13-780	200RB6T4	3/8"	1/2" ODF	6.4	10.0	6.5	**239.00**
B13-781	200RB6T4M	3/8"	1/2" ODF	6.4	10.0	6.5	**289.00**
B12-241	200RB6T4-T	3/8"	1/2" ODF	6.4	10.0	6.5	**229.00**
B13-777	200RB6F5	3/8"	5/8" SAE	6.4	10.0	6.5	**245.00**
B13-779	200RB6F5-T	3/8"	5/8" SAE	6.4	10.0	6.5	**245.00**
B13-782	200RB6T5	3/8"	5/8" ODF	6.4	10.0	6.5	**239.00**
B12-242	200RB6T5-M	3/8"	5/8" ODF	6.4	10.0	6.5	**275.00**
B13-783	200RB6T5T	3/8"	5/8" ODF	6.4	10.0	6.5	**245.00**
B13-784	200RB7T5	7/16"	5/8" ODF	10.0	15.6	10.1	**249.00**
B13-785	200RB7T7-M	7/16"	7/8" ODF	10.0	15.6	10.1	**315.00**
B13-786	200RB7T7-T	7/16"	7/8" ODF	10.0	15.6	10.1	**275.00**
B13-788	200RBGS-19253	3/16"	3/8" ODF	3.0	4.8	3.1	**185.00**
B13-789	200RBGS-19264	1/4"	3/8" ODF	3.6	5.6	3.6	**335.00**
B13-790	200RBGS-19285	5/16"	1/2" ODF	5.3	8.2	5.3	**379.00**
B13-791	200RBGS-19295	5/16"	5/8" ODF	5.3	8.2	5.3	**395.00**
B13-792	200RBGS-19306	3/8"	5/8" ODF	6.4	10.0	6.5	**545.00**

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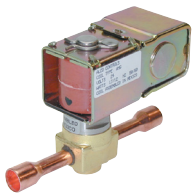
200RD Series Pilot-Operated Solenoid Valves

- New 200RD series valves are R410A rated
- Pilot-operated, normally closed valves; all valves less coil
- Snap-on coil retainer eases installation and removal
- 250°F maximum fluid temperature; 550 PSI MOPD
- T models include mounting bracket adapter, 1/4" port and larger convert to manual stem
- M models include manual stem
- Listed capacity ratings are suggested nominal tonnage
- R12, R134a and R404A rated at 2 PSI; R22 and R410A rated at 3 PSI



Order #	Mfg. #	Port Size	Conn. Size	R12 Capacity	R134a Capacity	R22 Capacity	R410A Capacity	R404A Capacity	Each
B17-966	065620	3/16"	3/8" ODF	3.0	3.6	4.8	4.5	2.5	**195.00**
B17-969	065621	3/16"	1/2" ODF	3.0	3.6	4.8	4.5	2.5	**195.00**

Industrial Solenoid Valves

- Two-way, normally closed solenoid valves
- Snap-on coil retainer eases installation and removal
- Models ending in "B" have BUNA-N seat for up to 180°F
- Models ending in "T" have Teflon® seat for steam applications up to 400°F
- All valves less coil



Order #	Mfg. #	Application	Pipe Size	Orifice Size	Cv	For Use With	Max. Pressure	Each
B13-797	204CD1/4B3/32B	Air/Water	1/4"	3/32"	0.22	AMG Coil	500	**199.00**
B13-796	204CD1/4B1/8B	Air/Water	1/4"	1/8"	0.34	AMG Coil	500	**109.00**
B13-798	204CD1/4B5/32B	Air/Water	1/4"	5/32"	0.48	AMG Coil	500	**125.00**
B13-795	204CD1/4B1/4B	Air/Water	1/4"	1/4"	0.7	AMG Coil	500	**149.00**
B13-805	214CB1/4B1/4B	Air/Water	1/4"	1/4"	1.2	AMG Coil	350	**255.00**
B13-806	214CB3/8B3/8B	Air/Water	3/8"	3/8"	2.2	AMG Coil	350	**265.00**
B13-802	210CA3/8B5/8B	Air/Water	3/8"	5/8"	2.8	AMG Coil	300	**249.00**
B13-809	222CB1/2B1/2B	Air/Water	1/2"	1/2"	3.5	AMG Coil	300	**385.00**
B13-810	222CB1/2B1/2T	Air/Water/Steam	1/2"	1/2"	3.5	AHG Coil	300	**385.00**
B13-800	210CA1/2B5/8B	Air/Water	1/2"	5/8"	3.6	AMG Coil	300	**249.00**
B13-803	211CA1/2B5/8B	Air/Water	1/2"	5/8"	3.6	AMG Coil	300	**249.00**
B13-801	210CA3/4B3/4B	Air/Water	3/4"	3/4"	5.5	AMG Coil	300	**249.00**
B13-804	211CA3/4B3/4B	Air/Water	3/4"	3/4"	5.5	AMG Coil	300	**249.00**
B13-815	222CB3/4B3/4B	Air/Water	3/4"	3/4"	7.0	AMG Coil	300	**519.00**
B13-816	222CB3/4B3/4T	Air/Water/Steam	3/4"	3/4"	7.0	AHG Coil	300	**519.00**
B13-799	210CA1B1B	Air/Water	1"	1"	13.0	AMG Coil	300	**435.00**
B13-807	222CB1B1B	Air/Water	1"	1"	13.0	AMG Coil	300	**725.00**
B13-808	222CB1B1T	Air/Water/Steam	1"	1"	13.0	AHG Coil	300	**725.00**
B13-813	222CB1-1/4B1-1/4B	Air/Water	1-1/4"	1-1/4"	16.0	AMG Coil	300	**1199.00**
B13-814	222CB1-1/4B1-1/4T	Air/Water/Steam	1-1/4"	1-1/4"	16.0	AHG Coil	300	**1145.00**
B13-811	222CB1-1/2B1-1/2B	Air/Water	1-1/2"	1-1/2"	25.0	AMG Coil	300	**1245.00**
B13-812	222CB1-1/2B1-1/2T	Air/Water/Steam	1-1/2"	1-1/2"	25.0	AHG Coil	300	**1245.00**

540RA Solenoid Valves

- Two-way, normally open diaphragm valves
- For liquid, suction and hot gas service
- Can be brazed into line without disassembly
- Extended ends for easy installation
- Water, shock and vibration protection in coil winding
- Low pressure differential required for full opening
- All valves less coil
- Capacity ratings listed below are nominal system tonnage



Order #	Mfg. #	Port Size	Conn. Size	R12 Capacity	R22 Capacity	R404A Capacity	Each
B13-830	540RA8T5-T	1/2"	5/8" ODF	10.0	15.6	10.1	**435.00**
B13-831	540RA9T7-T	9/16"	7/8" ODF	19.6	30.5	19.8	**625.00**
B13-827	540RA12T7	3/4"	7/8" ODF	22.5	34.9	22.7	**799.00**
B13-828	540RA16T9-T	1"	1-1/8" ODF	37.3	58.0	37.7	**1145.00**

Constant Pressure Expansion Valves

- Maintains minimum evaporator pressure under high load conditions
- Controls flood back by controlling overfeeding of the evaporator
- Automatically provides motor overload protection during system start-up
- For all refrigerants
- Capacity ratings listed below are nominal system tonnage

Note: The inlet connection of the **B12-512** (Fig. D) is on the bottom of the valve.


A


B


C


D

Fig.	Order #	Mfg. #	Inlet Conn.	Outlet Conn.	R12/R134a Capacity	R22 Capacity	R502/R404A Capacity	Each
A	**B13-673**	A-1	1/4" SAE	1/4" FPT	1 to 2	1-1/2 to 3	1 to 2	**335.00**
B	**B11-658**	A-2	1/4" SAE	1/2" SAE	1 to 2	1-1/2 to 3	1 to 2	**299.00**
B	**B13-674**	A-3	3/8" SAE	1/2" SAE	1 to 2	1-1/2 to 3	1 to 2	**335.00**
B	**B13-675**	A-4	1/4" SAE	1/2" SAE	1/4 to 3/4	1/2 to 1	1/4 to 3/4	**335.00**
C	**B13-676**	A7-A	3/8" ODF	3/8" ODF	1/4 to 1	1/2 to 1-1/2	1/4 to 1	**409.00**
C	**B13-677**	A7-C	3/8" SAE	3/8" SAE	1-1/2 to 3	3-1/2 to 5	1-1/2 to 3	**409.00**
D	**B12-512**	AS	1/4" ODF	3/8" ODF	1/4 to 1	1/2 to 1-1/2	1/4 to 1	**319.00**
D	**B13-672**	ASB20	1/4" ODF	3/8" ODF	1/4 to 1	1/2 to 1-1/2	1/4 to 1	**339.00**

C and CE Series Expansion Valves



- C Series thermal expansion valves incorporate a brass body with SAE flare fittings using balanced port construction, allowing operation over varying load conditions
- Designed for use on small refrigeration systems, such as freezers, walk-in coolers, refrigerated cases, and air conditioning units
- Replaceable power element
- Field adjustable superheat

Order #	Mfg. #	Application	Capacity Tons	Refrig. Type	Valve MOP	Equal. Type	Inlet Conn.	Outlet Conn.	Capillary Length	Each
B15-303	C-AA-JW	Wide Range (60°F to -10°F)	1/6 to 1/4	R12/R134A	—	Internal	1/4" SAE	1/2" SAE	60"	**445.00**
B15-304	CE-AA-JW	Wide Range (60°F to -10°F)	1/6 to 1/4	R12/R134A	—	External	1/4" SAE	1/2" SAE	60"	**475.00**
B13-713	C-A-JW	Wide Range (60°F to -10°F)	1/2 to 1	R12/R134a	—	Internal	3/8" SAE	1/2" SAE	60"	**445.00**
B15-305	CE-A-JW	Wide Range (60°F to -10°F)	1/2 to 1	R12/R134A	—	External	3/8" SAE	1/2" SAE	60"	**475.00**
B15-306	C-B-JW	Wide Range (60°F to -10°F)	1 to 2	R12/R134A	—	Internal	3/8" SAE	1/2" SAE	60"	**445.00**
B15-307	CE-B-JW	Wide Range (60°F to -10°F)	1 to 2	R12/R134A	—	External	3/8" SAE	1/2" SAE	60"	**475.00**
B13-714	CE-C-JW	Wide Range (60°F to -10°F)	2 to 3	R12/R134a	—	External	3/8" SAE	1/2" SAE	60"	**475.00**
B15-308	C-D-JW	Wide Range (60°F to -10°F)	3 to 5	R12/R134A	—	Internal	3/8" SAE	5/8" SAE	60"	**445.00**
B13-715	C-AA-VW	Wide Range (60°F to -10°F)	1/3 to 1/2	R22	—	Internal	1/4" SAE	1/2" SAE	60"	**445.00**
B15-309	CE-AA-VW	Wide Range (60°F to -10°F)	1/3 to 1/2	R22	—	External	1/4" SAE	1/2" SAE	60"	**475.00**
B15-310	C-A-VW	Wide Range (60°F to -10°F)	3/4 to 1-1/2	R22	—	Internal	3/8" SAE	1/2" SAE	60"	**445.00**
B15-311	CE-A-VW	Wide Range (60°F to -10°F)	3/4 to 1-1/2	R22	—	External	3/8" SAE	1/2" SAE	60"	**475.00**
B13-716	CE-B-VW	Wide Range (60°F to -10°F)	1-1/2 to 3	R22	—	External	3/8" SAE	1/2" SAE	60"	**475.00**
B15-312	CE-C-VW	Wide Range (60°F to -10°F)	3 to 5	R22	—	External	3/8" SAE	1/2" SAE	60"	**475.00**
B13-717	C-C-VX100	Air Conditioning	3 to 5	R22	100	Internal	3/8" SAE	1/2" SAE	60"	**445.00**
B13-718	CE-C-VX100	Air Conditioning	3 to 5	R22	100	External	3/8" SAE	1/2" SAE	60"	**475.00**
B15-314	CE-AA-SX35	Low Temp. (0°F to -40°F)	1/6 to 1/4	R404A	35	External	1/4" SAE	1/2" SAE	60"	**475.00**
B15-315	C-AA-SX35	Low Temp. (0°F to -40°F)	1/6 to 1/4	R404A	35	Internal	1/4" SAE	1/2" SAE	60"	**445.00**
B15-316	CE-AA-SW	Wide Range (60°F to -10°F)	1/6 to 1/4	R404A	—	External	1/4" SAE	1/2" SAE	60"	**475.00**
B13-719	C-A-SW	Wide Range (60°F to -10°F)	1/2 to 1	R404A	—	Internal	3/8" SAE	1/2" SAE	60"	**445.00**
B15-317	CE-A-SX35	Low Temp. (0°F to -40°F)	1/2 to 1	R404A	35	External	3/8" SAE	1/2" SAE	60"	**475.00**
B15-318	CE-B-SX35	Low Temp. (0°F to -40°F)	1 to 2	R404A	35	External	3/8" SAE	1/2" SAE	60"	**475.00**
B15-319	CE-C-SX35	Low Temp. (0°F to -40°F)	2 to 3-1/2	R404A	35	External	3/8" SAE	1/2" SAE	60"	**475.00**

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C -Series Interchangeable Expansion Valve Bodies

- Interchangeable bodies and thermostatic elements for maximum flexibility and inventory reduction
- Balanced port construction allows operation over varying load conditions
- Wide temperature and tonnage range
- Adjustable superheat and solid copper connections
- All models have replaceable inlet strainers
- R134A rating also applies to R12; R404A rating also applies to R502 and R507; R22 rating also applies to R410A, R407A and R422D
- Capacity ratings listed below are nominal system tonnage

Note: Valve bodies and elements sold separately. Purchase one of each to make a complete valve.



A



B



C

Fig.	Order #	Mfg. #	Equal. Type	Inlet Conn.	Outlet Conn.	R134a Capacity	R22 Capacity	R404A/R507 Capacity	Each
A	**B17-474**	C-AA	Internal	1/4" SAE	1/2" SAE	1/6 - 1/4	1/3 - 1/2	1/6 - 1/4	**259.00**
A	**B17-475**	CE-AA	External	1/4" SAE	1/2" SAE	1/6 - 1/4	1/3 - 1/2	1/6 - 1/4	**289.00**
B	**B17-476**	EC-AA	Internal	3/8" ODF	1/2" ODF	1/6 - 1/4	1/3 - 1/2	1/6 - 1/4	**279.00**
B	**B17-477**	ECE-AA	External	3/8" ODF	1/2" ODF	1/6 - 1/4	1/3 - 1/2	1/6 - 1/4	**305.00**
C	**B17-478**	SC-AA	Internal	3/8" ODF	1/2" ODF	1/6 - 1/4	1/3 - 1/2	1/6 - 1/4	**355.00**
C	**B17-479**	SCE-AA	External	3/8" ODF	1/2" ODF	1/6 - 1/4	1/3 - 1/2	1/6 - 1/4	**385.00**
A	**B17-480**	C-A	Internal	3/8" SAE	1/2" SAE	1/2–1	3/4 - 1-1/2	1/2–1	**259.00**
A	**B17-481**	CE-A	External	3/8" SAE	1/2" SAE	1/2–1	3/4 - 1-1/2	1/2–1	**289.00**
B	**B17-482**	EC-A	Internal	3/8" ODF	1/2" ODF	1/2–1	3/4 - 1-1/2	1/2–1	**279.00**
B	**B17-483**	ECE-A	External	3/8" ODF	1/2" ODF	1/2–1	3/4 - 1-1/2	1/2–1	**305.00**
C	**B17-484**	SC-A	Internal	3/8" ODF	1/2" ODF	1/2–1	3/4 - 1-1/2	1/2–1	**355.00**
C	**B17-485**	SCE-A	External	3/8" ODF	1/2" ODF	1/2–1	3/4 - 1-1/2	1/2–1	**385.00**
A	**B17-486**	CE-B	External	3/8" SAE	1/2" SAE	1–2	1-1/2–3	1–2	**289.00**
B	**B17-487**	ECE-B	External	1/2" ODF	5/8" ODF	1–2	1-1/2–3	1–2	**305.00**
C	**B17-488**	SCE-B	External	3/8" ODF	1/2" ODF	1–2	1-1/2–3	1–2	**385.00**
A	**B17-536**	CE-C	External	3/8" SAE	1/2" SAE	2-3	3-5	2 - 3-1/2	**289.00**
B	**B17-489**	ECE-C	External	1/2" ODF	7/8" ODF	2–3	3–5	2 - 3-1/2	**305.00**
C	**B17-490**	SCE-C	External	3/8" ODF	1/2" ODF	2–3	3–5	2 - 3-1/2	**385.00**
B	**B17-491**	ECE-D	External	5/8" ODF	7/8" ODF	3–5	5–8	3-1/2 - 6	**305.00**

C -Series Expansion Valve Thermostatic Elements

- Used with C-series valve bodies
- Thermostatic elements have 60" capillary tube



Order #	Mfg. #	Application	Refrig. Type	Valve MOP	Each
B17-492	KT-46-ZX200	Air Conditioning	R410A	200	**395.00**
B17-493	KT-46-VX100	Air Conditioning	R22/R422D/R407A/R407C	100	**189.00**
B17-494	KT-46-JX60	Air Conditioning	R12/R134a/R401A/R409A	60	**189.00**
B17-495	KT-46-JW	Wide Range (60°F to -10°F)	R12/R134a/R401A/R409A	—	**189.00**
B17-496	KT-46-VW	Wide Range (60°F to -10°F)	R22/R422D/R407A/R407C	—	**189.00**
B17-497	KT-46-SW	Wide Range (60°F to -10°F)	R404/R507/R402A/R408A/R502	—	**189.00**
B17-498	KT-46-SZ	Low Temp. Refrigeration (0°F to -40°F)	R404A/R507	—	**189.00**
B17-499	KT-46-VX35	Low Temp. Refrigeration (0°F to -40°F)	R22/R422D/R407A	35	**189.00**
B17-500	KT-46-SX35	Low Temp. Refrigeration (0°F to -40°F)	R402A/R408A/R502/R404/R507	35	**189.00**



EC and ECE Series Expansion Valves

- EC Series thermal expansion valves incorporate a brass body with ODF sweat fittings using balanced port construction, allowing operation over varying load conditions
- Designed for use on refrigeration systems, such as freezers, walk-in coolers, refrigerated cases, and air conditioning units
- All models have replaceable power element
- Field adjustable superheat

Note: Wide range application temperature is +60°F to -10°F; low temp. application temperature is 0°F to -40°F.

Order #	Mfg. #	Application	Capacity Tons	Refrig. Type	Valve MOP	Equal. Type	Inlet Conn.	Outlet Conn.	Capillary Length	Each
B13-706	ECE-AA-VX100	Air Conditioning	1/3 to 1/2	R22	100	External	1/4" ODF	1/2" ODF	60"	**475.00**
B13-705	ECE-A-JW	Wide Range	1/2 to 1	R12/R134a	—	External	3/8" ODF	1/2" ODF	60"	**475.00**
B13-704	ECE-A-VX100	Air Conditioning	3/4 to 1-1/2	R22	100	External	3/8" ODF	1/2" ODF	60"	**475.00**
B13-702	EC-C-JW	Wide Range	2 to 3	R12/R134a	—	Internal	1/2" ODF	7/8" ODF	60"	**449.00**
B13-707	ECE-C-JW	Wide Range	2 to 3	R12/R134a	—	External	3/8" ODF	5/8" ODF	60"	**475.00**
B13-708	ECE-B-VW	Wide Range	1-1/2 to 3	R22	—	External	1/2" ODF	5/8" ODF	60"	**475.00**
B13-709	ECE-B-VX100	Wide Range	1-1/2 to 3	R22	100	External	3/8" ODF	1/2" ODF	60"	**475.00**
B13-710	ECE-D-JW	Wide Range	3 to 5	R12/R134a	—	External	5/8" ODF	7/8" ODF	60"	**475.00**
B13-711	ECE-C-VW	Wide Range	3 to 5	R22	—	External	1/2" ODF	7/8" ODF	60"	**475.00**
B11-783	ECE-C-VX100	Air Conditioning	3 to 5	R22	100	External	1/2" ODF	7/8" ODF	60"	**475.00**
B13-712	ECE-D-VW	Wide Range	5 to 8	R22	—	External	5/8" ODF	7/8" ODF	60"	**475.00**
B11-784	ECE-D-VX100	Air Conditioning	5 to 8	R22	100	External	5/8" ODF	7/8" ODF	60"	**475.00**
B17-501	EC-AA-SW	Wide Range	1/6 to 1/4	R404A	—	Internal	1/4" ODF	1/2" ODF	60"	**449.00**
B17-502	ECE-AA-SW	Wide Range	1/6 to 1/4	R404A	—	External	1/4" ODF	1/2" ODF	60"	**475.00**
B17-503	EC-AA-SZ	Low Temp.	1/6 to 1/4	R404A	—	Internal	1/4" ODF	1/2" ODF	60"	**449.00**
B17-504	EC-AA-SX35	Low Temp.	1/6 to 1/4	R404A	35	Internal	1/4" ODF	1/2" ODF	60"	**449.00**
B17-505	ECE-AA-SX35	Low Temp.	1/6 to 1/4	R404A	35	External	1/4" ODF	1/2" ODF	60"	**475.00**
B17-506	EC-A-SW	Wide Range	1/2 to 1	R404A	—	Internal	3/8" ODF	1/2" ODF	60"	**449.00**
B17-507	ECE-A-SW	Wide Range	1/2 to 1	R404A	—	External	3/8" ODF	1/2" ODF	60"	**475.00**
B17-508	EC-A-SZ	Low Temp.	1/2 to 1	R404A	—	Internal	3/8" ODF	1/2" ODF	60"	**449.00**
B17-509	ECE-A-SZ	Low Temp.	1/2 to 1	R404A	—	External	3/8" ODF	1/2" ODF	60"	**475.00**
B17-510	ECE-A-SX35	Low Temp.	1/2 to 1	R404A	35	External	3/8" ODF	1/2" ODF	60"	**475.00**
B17-511	ECE-B-SW	Wide Range	1 to 2	R404A	—	External	3/8" ODF	1/2" ODF	60"	**475.00**
B17-512	ECE-B-SZ	Low Temp.	1 to 2	R404A	—	External	3/8" ODF	1/2" ODF	60"	**475.00**
B17-513	ECE-B-SX35	Low Temp.	1 to 2	R404A	35	External	1/2" ODF	5/8" ODF	60"	**475.00**
B17-514	ECE-C-SW	Wide Range	2 to 3-1/2	R404A	—	External	1/2" ODF	7/8" ODF	60"	**475.00**
B17-515	ECE-C-SZ	Low Temp.	2 to 3-1/2	R404A	—	External	3/8" ODF	1/2" ODF	60"	**475.00**
B17-516	ECE-D-SW	Wide Range	3-1/2 to 6	R404A	—	External	5/8" ODF	7/8" ODF	60"	**475.00**
B17-517	ECE-D-SZ	Low Temp.	3-1/2 to 6	R404A	—	External	5/8" ODF	7/8" ODF	60"	**475.00**
B18-297	ECE-D-ZX200	—	5 to 8	R410A	200	External	5/8" ODF	7/8" ODF	60"	**539.00**
B18-298	ECE-12-1/2-ZX200	—	8 to 12-1/2	R410A	200	External	5/8" ODF	7/8" ODF	60"	**729.00**
B18-299	ECE-15-ZX200	—	12-1/2 to 15	R410A	200	External	5/8" ODF	1-1/8" ODF	60"	**729.00**



Air Conditioning and Heat Pump TXV Kit

Refrigerants R22/R407C and R410A Applications

- 1-1/2 through 5 tons
- Adjustable superheat, built-in check valve, sweat connections and externally equalized
- See HAE series for replacement valves **B13-699**, **B17-092** and **B17-093**.
- Includes: two R22/R407 and two R410A valves and one each 1/2" and 5/8" ODF Aeroquip fittings, 1/2" and 5/8" ODF Chatleff fittings, and 1/2" ODF x 3/8" SAE fitting in a handy carrying case

Order #	Mfg. #	Description	Refrig. Type	Each
B17-091	TXV KIT	1-1/2 to 5 Ton	R22/R407C & R410A	**1099.00**
B17-094	183372	Aeroquip Fitting 5/8" ODF	—	**59.00**
B17-095	183373	Aeroquip Fitting 1/2" ODF	—	**55.00**
B17-096	183374	Chatleff Fitting 5/8" ODF	—	**59.00**
B17-097	183375	Chatleff Fitting 1/2" ODF	—	**55.00**
B17-098	183376	1/2" ODF x 3/8" SAE Fitting	—	**55.00**

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HAE and HCAE Series Expansion Valves

- Balanced port valve is designed specifically for air conditioning and heat pumps used in air or water source systems
- Stainless steel power element
- External equalizer
- HCAE series has a built-in check valve



Order #	Mfg. #	Capacity Tons	Refrig. Type	Inlet Conn.	Outlet Conn.	Each
B13-694	HXAE3VX100	1-1/2 to 3	R22/407C	3/8" ODF	1/2" ODF	**385.00**
B13-695	HXAE3ZX200	1-1/2 to 3	R410A	3/8" ODF	1/2" ODF	**395.00**
B13-696	HXAE5VX100	3-1/2 to 5	R22/407C	3/8" ODF	5/8" ODF	**385.00**
B13-697	HXAE5ZX200	3-1/2 to 5	R410A	3/8" ODF	5/8" ODF	**395.00**
B13-698	HXCAE3VX100	1-1/2 to 3	R22/407C	3/8" ODF	1/2" ODF	**305.00**
B13-699	HXCAE5VX100	3-1/2 to 5	R22/407C	3/8" ODF	5/8" ODF	**305.00**
B17-092	HXCAE3ZX200	1-1/2 to 3	R410A	3/8"	1/2"	**325.00**
B17-093	HXCAE5ZX200	3-1/2 to 5	R410A	3/8"	5/8"	**325.00**
B13-700	HXCAE3VX100A	1-1/2 to 3	R22/407C	Flo-Rater	Flo-Rater	**435.00**
B13-701	HXCAE5VX100A	3-1/2 to 5	R22/407C	Flo-Rater	Flo-Rater	**435.00**

Universal TEV Replacement Kit for Residential AC and Heat Pumps

- Replacement Kits come packaged with everything AC technicians need to complete the installation
- Replaces all major residential air conditioning OEM valves
- Single Pushrod Balanced Port construction works exceptionally well under wide load conditions
- Each valve comes with a 30" long capillary tube equalizer with flare nut
- Built-in check valve allows reverse flow on heat pump applications
- Easily adjustable Superheat setting
- Includes adaptors that fit the most common evaporator inlets, bulb strap and bulb insulation tape



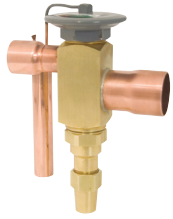
Order #	Mfg. #	Capacity Tons	Refrig. Type	Inlet Conn.	Outlet Conn.	Each
B22-277	HXCAE-3-VXCHAT	1-1/2 to 3	R22	Chatleff (Male)	Chatleff (Female)	**295.00**
B22-278	HXCAE-3-VX-ODF	1-1/2 to 3	R22	3/8" ODF	1/2" ODF	**345.00**
B22-279	HXCAE-3-KXCHAT	1-1/2 to 4	R410A	Chatleff (Male)	Chatleff (Female)	**295.00**
B22-280	HXCAE-3-KX-ODF	1-1/2 to 4	R410A	3/8" ODF	1/2" ODF	**295.00**
B22-281	HXCAE-5-VXCHAT	3-1/2 to 5	R22	Chatleff (Male)	Chatleff (Female)	**295.00**
B22-282	HXCAE-5-VX-ODF	3-1/2 to 5	R22	3/8" ODF	1/2" ODF	**345.00**
B22-283	HXCAE-6-KXCHAT	4-1/2 to 6	R410A	Chatleff (Male)	Chatleff (Female)	**295.00**
B22-284	HXCAE-6-KX-ODF	4-1/2 to 6	R410A	3/8" ODF	1/2" ODF	**345.00**

EBSE And OVE Series Expansion Valves

- Brass body
- Balanced port construction
- Externally adjustable superheat
- Designed for use on large air conditioning systems



A



B

Fig.	Order #	Mfg. #	Application	Capacity Tons	Refrig. Type	Valve MOP	Equal. Type	Inlet Conn.	Outlet Conn.	Capillary Length	Each
A	**B15-320**	EBSE-11-VX100	Air Conditioning	11	R22	100	External	5/8" ODF	7/8" ODF	60"	**809.00**
B	**B15-321**	OVE-15-VX100	Air Conditioning	15	R22	100	External	7/8" ODF	1-1/8" ODF	60"	**959.00**
B	**B15-322**	OE-20-VX100	Air Conditioning	20	R22	100	External	7/8" ODF	1-3/8" ODF	60"	**959.00**

Expansion Valve Cross Reference

Nom. Tons	Parker Part #	Order #	Emerson Flow Part #	Order #	Sporlan Part #
Valves Used With R502 and R404A Systems					
1/4	C-A-SW	B13-719	HF1/4RZ (AFA1/4RZ)	B12-169	FR-1/4Z, GR-1/4Z
1/4	CE-AA-SW	B15-316	(HFE1/4RZ) (AFAE1/4RZ)		FRE-1/4Z, GRE-1/4Z
1/2	C-A-SW	B13-719	HF1/2RZ (AFA1/2RZ)	B12-170	FR-1/2Z, GR-1/2Z
1/2	CE-AA-SW	B15-316	HFE1/2RZ (AFAE1/2RZ)	B12-171	FRE-1/2Z, GRE-1/2Z
1/2	CE-AA-SX35	B15-314	(HFE1/2RW35)		FRE-1/2ZP, GRE-1/2ZP
1	C-A-SW	B13-719	(HF1RZ)		FR-1Z, GR-1Z
1	(CE-A-SW)		HFE1RZ (AFAE1RZ)	B12-172	FRE-1Z, GRE-1Z
1	CE-A-SX35	B15-317	(HFE1RW35)		FRE-1ZP, GRE-1ZP
1-1/2	(CE-B-SW)		HFE1-1/2RZ	B12-173	FRE-1-1/2Z, GRE-1-1/2Z
1-1/2	(C-B-SX35)				
1-1/2	CE-B-SX35	B15-318	(HFE1-1/2RW35)		FRE-1-1/2ZP, GRE-1-1/2ZP
2	(CE-B-SW)		HFE2RZ	B12-174	FRE-2Z, GRE-2Z
2	CE-B-SX35	B15-318	(HFE2RW35)		FRE-2ZP, GRE-2ZP
Valves Used With R12 and R134A Systems					
1/4	N1/2JW1/4X1/	B11-520			NIF-1/4C
1/4	C-AA-JW	B15-303	HF1/4FC (AFA1/4FC)	B12-145	GF-1/4C, FF-1/4C
1/4	CE-AA-JW	B15-304	HFE1/4FC (AFAE1/4FC)	B12-146	GFE-1/4C, FFE-1/4C
1/2	N1/2JW3/8X1/	B11-521			NIF-1/2C
1/2	C-AA-JW	B15-303	HF1/2FC (AFA1/2FC)	B12-147	GF-1/2C, FF-1/2C
1/2	CE-AA-JW	B15-304	HFE1/2FC (AFAE1/2FC)	B12-148	GFE-1/2C, FFE-1/2C
1	C-A-JW	B13-713	HF1FC (AFA1FC)	B12-149	GF-1C, FF-1C
1	CE-A-JW	B15-305	HFE1FC (AFAE1FC)	B12-150	GFE-1C, FFE-1C
1-1/2	(C-B-JW)	B15-306	(HF1-1/2FC)		GF-1-1/2C, FF-1-1/2C
1-1/2	CE-B-JW	B15-307	HFE1-1/2FC	B12-151	GFE-1-1/2C, FFE-1-1/2C
2	(C-B-JW)	B15-306	(HF2FC)		
2	CE-B-JW	B15-307	HFE2FC	B12-152	GFE-2C, FFE-2C
2-1/2	(C-C-JW)				CF-2-1/2C
2-1/2	CE-C-JW	B13-714			CFE-2-1/2C
3	(C-C-JW)		(HF3-1/2FC)		CF-3C
3	CE-C-JW	B13-714	(HFE3-1/2FC)		CFE-3C
5	(CE-D-JW)				CFE-5C
Valves Used With R22 Systems					
1/4	C-AA-VW	B13-715	HF1/4HC (AFA1/4HC)	B12-153	FV-1/4C, GV-1/4C
1/4	CE-AA-VW	B15-309	(HFE1/4HC) (AFAE1/4HC)		FVE-1/4C, GVE-1/4C
1/2	C-AA-VW	B13-715	HF1/2HC (AFA1/2HC)	B12-154	FV-1/2C, GV-1/2C
1/2	CE-AA-VW	B15-309	HFE1/2HC (AFAE1/2HC)	B12-155	FVE-1/2C, GVE-1/2C
1	C-A-VW	B15-310	HF1HC (AFA1HC)	B12-156	FV-1C, GV-1C
1	CE-A-VW	B15-311	HFE1HC (AFAE1HC)	B12-157	FVE-1C, GVE-1C
1-1/2	C-A-VW	B15-310	HF1-1/2HC	B12-158	FV-1-1/2C, GV-1-1/2C
1-1/2	CE-A-VW	B15-311	HFE1-1/2HC	B12-159	FVE-1-1/2C, GVE-1-1/2C
2	(C-B-VW)		HF2HC	B12-160	
2	CE-B-VW	B13-716	HFE2HC	B12-161	FVE-2C, GVE-2C
2-1/2	(C-B-VW)		(HF2-1/2HC)		FV-2-1/2C, GV-2-1/2C
2-1/2	CE-B-VW	B13-716	HFE2-1/2HC	B12-162	
3	(C-B-VW)		HF3HC	B12-163	
3	CE-B-VW	B13-716	HFE3HC	B12-164	FVE-3C, GVE-3C
4	(C-C-CW)				CV-4C
4	CE-C-VW	B15-312			CVE-4C
5	CE-C-VW	B15-312	HFE5-1/2HC	B12-165	CVE-5C
5	ECE-C-VX100	B11-783			SVE-5GA
7-1/2	ECE-D-VX100	B11-784	HFES8HCA	B12-166	SVE-8GA
10	EBSVE-11-VX100	B15-320	HFES10HCA (TRAE10HW)	B12-167	SVE-10GA, OVE-10GA
15	OVE-15-VX100	B15-321	HFES15HCA (TRAE15HW)	B12-168	OVE-15GA
20	OVE-20-VX100	B15-322	TRAE20HW	B12-228	OVE-20GA
30			TRAE30HW	B12-229	OVE-30GA
40			TRAE40HW	B12-230	OVE-40GA
50			TRAE50HW	B12-231	OVE-55GA

Note: Part numbers shown in parentheses are not standard cataloged items, but are available upon request. This cross reference is intended to be a general guide. Physical dimensions, nominal tonnage ratings and thermostatic charges vary from manufacturer to manufacturer.

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Liquid Line Driers

Large Selection in Both Flare and Sweat Connections

- Driers have heavy gauge steel shell with all copper sweat and flare fittings
- Compatible with all existing and new refrigerants and blends, including R410A
- Models 052 thru 165S are UL listed to 3000 PSIG burst pressure
- All other models are UL listed 2500 PSIG burst
- Rated in accordance with ARI standard #710 for liquid line drier
- Capacity ratings listed below are nominal system tonnage



Order #	Mfg. #	Conn. Size	Cubic Inches	Length	R12/R134a Capacity	R22/R410A Capacity	R404A/R507 Capacity	Each
B10-111	LLD-032	1/4" SAE	3	4.16"	0.75	1.0	0.75	**46.49**
B10-112	LLD-032S	1/4" ODF	3	3.73"	0.75	1.0	0.75	**45.49**
B10-113	LLD-052	1/4" SAE	5	4.38"	1	1.5	1	**59.00**
B10-114	LLD-052S	1/4" ODF	5	4.38"	1	1.5	1	**55.00**
B10-115	LLD-053	3/8" SAE	5	5.25"	2.0	3	2.0	**65.00**
B10-116	LLD-053S	3/8" ODF	5	4.38"	2.0	3	2.0	**55.00**
B10-117	LLD-082	1/4" SAE	8	5.63"	1	1.5	1	**79.00**
B10-118	LLD-082S	1/4" ODF	8	5.25"	1	1.5	1	**79.00**
B10-119	LLD-083	3/8" SAE	8	6.00"	3	5.0	3	**75.00**
B10-120	LLD-083S	3/8" ODF	8	5.25"	3	5.0	3	**69.00**
B10-121	LLD-084	1/2" SAE	8	6.38"	4	7.5	4	**85.00**
B10-122	LLD-084S	1/2" ODF	8	5.38"	4	7.5	4	**85.00**
B10-125	LLD-163	3/8" SAE	16	6.75"	4	5.0	4	**95.00**
B10-126	LLD-163S	3/8" ODF	16	5.94"	4	5.0	4	**85.00**
B10-127	LLD-164	1/2" SAE	16	7.00"	5	7.5	5	**109.00**
B10-128	LLD-164S	1/2" ODF	16	6.06"	5	7.5	5	**99.00**
B10-129	LLD-165	5/8" SAE	16	7.25"	7.5	10.0	7.5	**115.00**
B10-130	LLD-165S	5/8" ODF	16	6.31"	7.5	10.0	7.5	**105.00**
B10-131	303	3/8" SAE	30	9.69"	4	5.0	4	**195.00**
B10-132	303S	3/8" ODF	30	8.86"	4	5.0	4	**185.00**
B10-133	304	1/2" SAE	30	9.94"	7.5	10	7.5	**195.00**
B10-134	304S	1/2" ODF	30	9.00"	7.5	10	7.5	**175.00**
B10-135	305	5/8" SAE	30	10.19"	10	15.0	10	**185.00**
B10-136	305S	5/8" ODF	30	9.24"	10	15.0	10	**165.00**
B10-137	307S	7/8" ODF	30	9.30"	15.0	20	12.5	**199.00**
B13-637	415	5/8" SAE	41	10.38"	10.0	15	10.0	**255.00**
B13-638	415S	5/8" ODF	41	9.43"	10.0	15	10.0	**259.00**
B10-143	417S	7/8" ODF	41	9.49"	15	20	12.5	**259.00**

Sahara Series Air Conditioning Liquid Line Driers

- Excellent moisture protection in HVAC/R systems
- Use with HCFC, HFC, and HFO based refrigerant blends and MO, POE, and PVE lubricants
- 100% solid copper fittings for easy brazing
- UV protection from polyester powder paint 650 psi (45 bar) Maximum Rated Pressure
- 100% molecular sieve solid core to maximize water adsorption
- 500-hour salt spray per ASTM B117

Order #	Mfg. #	Conn. Size	Cubic Inches	Length	R22/R410A Capacity	Each
B22-620	3SS3S	3/8" ODF	8	5.38	6.2	**44.99**
B22-621	5SS3S	3/8" ODF	16	6.04	9.2	**59.00**

System Selector
Free • Simple • Intuitive
Current and Accurate
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Suction Line Filter-Driers

Designed to Allow Pressure Drop Measurement



- Special desiccant for high acid pick-up
- Offers maximum compressor protection
- Unparalleled for system cleanup
- Solid core is designed to withstand high-velocity refrigerant gas flow and provides more filter area
- Driers may be assorted for quantity price
- Capacity ratings listed below are capacity flow in tons

Order #	Mfg. #	Conn. Size	Cubic Inches	Length	R12/R134a Capacity	R22/R410A Capacity	R404A/R507 Capacity	Each
B10-107	SLD8-3SVHH	3/8" ODF	8.0	5.38"	0.8	1.2	1.1	**179.00**
B10-109	SLD8-4SVHH	1/2" ODF	8.0	4.66"	1.7	2.6	2.3	**155.00**
B10-099	SLD8-5SVHH	5/8" ODF	8.0	4.72"	2.5	4.0	3.5	**135.00**
B11-781	SLD8-6SVHH	3/4" ODF	8.0	4.72"	2.7	4.2	3.8	**135.00**
B10-101	SLD13-5SVHH	5/8" ODF	13.5	4.72"	3.2	4.2	4.5	**179.00**
B10-102	SLD13-6SVHH	3/4" ODF	13.5	4.72"	4.5	7.0	6.3	**165.00**
B11-780	SLD13-7SVHH	7/8" ODF	13.5	5.72"	4.5	7.0	6.3	**165.00**
B13-642	SLD13-9SVHH	1-1/8" ODF	16.0	6.31"	4.6	7.2	6.5	**235.00**
B10-103	SLD27-7SVHH	7/8" ODF	27.0	7.72"	6.4	10.0	9	**259.00**
B10-104	SLD27-9SVHH	1-1/8" ODF	30.0	9.25"	8.3	13	11.6	**265.00**

Bi-Flow Filter-Driers

Designed for Heat-Pump Applications



- Compatible with all existing and new refrigerants and blends, including R410A
- Sweat models have solid copper fittings to allow ease of brazing
- Capacity ratings listed below are nominal system tonnage

Order #	Mfg. #	Conn. Size	Cubic Inches	Length	R22/R410A Capacity	Each
B11-796	BF083S	3/8" ODF	8	6.09"	4.6	**109.00**
B11-800	BF084S	1/2" ODF	8	6.35"	6.5	**115.00**
B11-798	BF163S	3/8" ODF	16	6.75"	4.6	**159.00**
B11-802	BF164S	1/2" ODF	16	7.00"	6.5	**149.00**
B13-645	BF165S	5/8" ODF	16	7.00"	7	**169.00**

Sahara Series Bi-Flow Filter-Driers

- Excellent moisture protection in HVAC/R systems
- Use with HCFC, HFC, and HFO based refrigerant blends and MO, POE, and PVE lubricants
- 100% solid copper fittings for easy brazing
- UV protection from polyester powder paint 650 psi (45 bar) Maximum Rated Pressure
- 100% molecular sieve solid core to maximize water adsorption
- 500-hour salt spray per ASTM B117

Order #	Mfg. #	Conn. Size	Cubic Inches	Length	R22/R410A Capacity	Each
B22-622	3SSBF3S	3/8" ODF	8	5.38	6.3	**75.00**
B22-623	5SSBF3S	3/8" ODF	16	6.04	9	**85.00**

Magnetic UV Drier



- 100% XH-9 beaded desiccant and UV dye compatible with all refrigerants and oils
- Magnetic reduction filter reduces microscopic steel, iron, and stainless steel particles as the refrigerant flows through the system
- Hermetically sealed, directional flow drier with access valve
- 100% Spun copper shell and end tubes, pre-scored ends for easy break off
- 100 micron filter sieve
- Safe working pressure to 500 PSIG

Order #	Mfg. #	Conn. Size	Length	R12/R134a Capacity	R22/R410A Capacity	Each
B18-826	SUD8358	1/4" O.D.	8-3/4"	3/4	1	**27.49**

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Bullet Strainer

For Refrigeration and Air Conditioning

- Designed to meet highest standards for repairs or rebuilding programs
- Has over-sized screen area, made of 150 twill mesh monel
- 3/4" O.D., 2-3/4" length, 1/4" inlet, 0.098" outlet



Order #	Mfg. #	Each
B11-057	S210	**13.49**

Replacement Filter-Drier Shells

For R12, R22, R500, R502 and R134a Systems

- Range of models 7-1/2 to 85 tons
- Has necessary gaskets, screws and springs (and spacers on two-core models) to install filter-driers or cores
- 1/4" SAE pressure tap
- Full-flow heavy solid copper fittings 5/8" to 3-1/8"
- Cores may be loaded individually, easy installation in tight spots



Order #	Mfg. #	Conn. Size	Cores	R12/R134a Capacity Refrig.	R22 Capacity A/C	R22 Capacity Refrig.	R404A/R507 Capacity	Each
B81-142	P-485	5/8" ODF	1	8	10	10	8	**955.00**
B81-143	P-487	7/8" ODF	1	11	14	15	10	**979.00**
B81-144	P-489	1-1/8" ODF	1	11	17	15	10	**1099.00**
B82-086	P-967	7/8" ODF	2	20	25	25	15	**1199.00**
B82-087	P-969	1-1/8" ODF	2	25	33	33	20	**1199.00**

Replacement Cores for Liquid/Suction Line Filter-Drier Shells

- For use in either liquid or suction line applications
- Removes sludge, moisture, acid and varnishes
- Low pressure drop with maximum moisture and acid capacity



Order #	Mfg. #	Description	Diam.	Length	Each
B11-300	PCK-48	Standard Capacity	3.74"	5.50"	**85.00**
B11-270	PCX-48	High Capacity Core	3.74"	5.50"	**129.00**
B12-004	PCK-48HH	Charcoal Burnout Core	3.74"	5.50"	**129.00**

Sightglass Filter-Driers

- Leak-proof sight glass for easy viewing combined with the filtration and moisture removal of a drier
- Less brazing required with combination drier and sight glass
- Capacity ratings listed below are nominal system tonnage



Order #	Mfg. #	Conn. Size	Cubic Inches	Length	R12/R134a Capacity	R22/R410A Capacity	R404A/R507 Capacity	Each
B18-480	DSG083S	3/8" ODF	8	6.72"	1.0	1.0	1.0	**205.00**
B18-481	DSG163S	3/8" ODF	16	7.28"	2.0	3.0	2.0	**225.00**

Sight Glass Moisture Indicators

- An extremely accurate moisture sensing unit
- An easy-viewing leak-proof liquid sight glass
- Simple color comparison
- Leak-proof sight glass
- Solid copper ends



A



B

Fig.	Order #	Mfg. #	Conn. Size	Overall Length	Each
A	**B10-090**	PSG-3MF	3/8" SAE M x F	3-1/8"	**79.00**
B	**B10-088**	PSG-2S	1/4" ODF	4-3/8"	**79.00**
B	**B10-091**	PSG-3S	3/8" ODF	4-7/8"	**75.00**
B	**B10-094**	PSG-4S	1/2" ODF	4-7/8"	**95.00**
B	**B10-100**	PSG-5S	5/8" ODF	4-7/8"	**95.00**
B	**B11-875**	PSG-7S	7/8" ODF	6-1/4"	**149.00**

R-Series Refrigeration Solenoid Valves



- PCK-1 Coil purchased separately
- Extended life-cycle tested for durability
- Compatible with all CFC, HCFC and HFC refrigerants, including R410A; rated at 600 PSI
- For use with a broad range of refrigeration, air conditioning and freezing applications
- Forged brass body with Rulon® thermoplastic seals
- Operating temperature range: -20°F to 250°F
- Cataloged valves are all normally-closed valves, normally-open valves available on special order
- Totally encapsulated watertight coils
- Extended end copper connections for easy installation
- Require P/MKC coils
- All valves less coil
- Capacity ratings listed below are nominal system tonnage

Order #	Mfg. #	Operation	Conn. Size	Orifice Size	R134a Capacity	R22 Capacity	R404A Capacity	Height	Length	Each
B18-461	R12E22	Pilot	1/4" ODF	3/40"	0.6	0.8	0.5	2.59"	4.63"	**255.00**
B18-462	R16F32	Pilot	1/4" SAE	1/10"	1.3	1.6	1.1	2.59"	4.63"	**279.00**
B18-463	R16E32	Pilot	1/4" ODF	1/10"	1.3	1.6	1.1	2.59"	4.63"	**265.00**
B18-464	R16E33	Pilot	3/8" ODF	1/10"	1.3	1.6	1.1	2.59"	4.63"	**265.00**
B18-465	R22E52	Pilot	1/4" ODF	3/20"	2.1	2.8	1.9	3.01"	4.56"	**255.00**
B18-466	R22E53	Pilot	3/8" ODF	3/20"	2.1	2.8	1.9	3.01"	4.56"	**255.00**
B18-467	R26F63	Pilot	3/8" SAE	3/16"	3.8	4.9	3.3	3.10"	2.50"	**345.00**
B18-468	R26E63M	Pilot	3/8" ODF	3/16"	3.8	4.9	3.3	3.19"	4.63"	**399.00**
B18-469	R26E64M	Pilot	1/2" ODF	3/16"	3.8	4.9	3.3	3.19"	5.10"	**399.00**
B18-470	R32E93M	Pilot	3/8" ODF	9/32"	6.2	8.1	5.4	3.46"	5.00"	**515.00**
B18-471	R32E94M	Pilot	1/2" ODF	9/32"	6.2	8.1	5.4	3.45"	5.00"	**515.00**
B18-472	R36E104M	Pilot	1/2" ODF	5/16"	8.5	11.1	7.3	3.99"	5.00"	**589.00**
B18-473	R36E105M	Pilot	5/8" ODF	5/16"	8.5	11.1	7.3	3.99"	6.50"	**589.00**
B18-474	R38E145M	Pilot	5/8" ODF	7/16"	12.0	15.8	10.4	3.72"	6.88"	**595.00**
B18-475	R38E147M	Pilot	7/8" ODF	7/16"	12.0	15.8	10.4	3.99"	7.13"	**639.00**
B17-518	R42E197M	Pilot	7/8" ODF	19/32"	18.4	24.2	16.0	3.41"	7.13"	**905.00**
B18-476	R46E257M	Pilot	7/8" ODF	25/32"	31.5	41.4	27.4	4.50"	7.50"	**1299.00**
B17-519	R46E259M	Pilot	1-1/8" ODF	25/32"	31.5	41.4	27.4	5.62"	7.50"	**1299.00**
B18-477	R52E359M	Pilot	1-1/8" ODF	1-3/32"	53.0	57.6	38.1	4.50"	7.50"	**1845.00**
B17-520	R52E3511M	Pilot	1-3/8" ODF	1"	53.0	70.9	46.5	7.40"	11.06"	**1899.00**
B19-270	R56E4313M	Pilot	1-5/8" ODF	1-5/16"	76.7	98.2	65.8	9.23"	11.06"	**3245.00**
B19-271	R56E4317M	Pilot	2-1/8" ODF	1-5/16"	76.7	98.2	65.8	9.23"	11.06"	**3345.00**

PKC/OPKC Solenoid Coils



- Complete coil assembly with junction box
- Use with various solenoid valve and other type control valves
- OPKC series for normally open solenoid valves and PKC normally closed
- Wide range of voltages

Order #	Mfg. #	Volts	Enclosure Type	For Use With	Each
B17-444	PKC-1-24-50/60	24VAC	Junction Box	Normally Closed Solenoid Valves	**185.00**
B17-445	PKC-1-120-50/60	120VAC	Junction Box	Normally Closed Solenoid Valves	**185.00**
B18-300	PKC-1-120/240	120/240VAC	Junction Box	Normally Closed Solenoid Valves	**245.00**
B17-446	PKC-1-208/240-50/60	208/240VAC	Junction Box	Normally Closed Solenoid Valves	**185.00**
B17-447	PKC-2-24-50/60	24VAC	Junction Box	Normally Closed Solenoid Valves	**225.00**
B17-448	PKC-2-120-50/60	120VAC	Junction Box	Normally Closed Solenoid Valves	**225.00**
B18-301	PKC-2-120/240	120/240VAC	Junction Box	Normally Closed Solenoid Valves	**289.00**
B17-449	PKC-2-208/240-50/60	208/240VAC	Junction Box	Normally Closed Solenoid Valves	**225.00**
B17-450	PKC-1-24DC	24VDC	Junction Box	Normally Closed Solenoid Valves	**295.00**
B17-451	PKC-2-24DC	24VDC	Junction Box	Normally Closed Solenoid Valves	**349.00**
B17-452	OPKC-1-120-50/60	120VAC	Junction Box	Normally Open Solenoid Valves	**215.00**
B17-453	OPKC-1-208/240-50/60	208/240VAC	Junction Box	Normally Open Solenoid Valves	**215.00**
B17-454	OPKC-2-120-50/60	120VAC	Junction Box	Normally Open Solenoid Valves	**255.00**
B17-455	OPKC-2-208/240-50/60	208/240VAC	Junction Box	Normally Open Solenoid Valves	**259.00**

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3-Way Heat Reclaim Valves

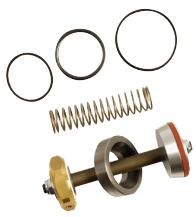
- Pilot operated design shifts flow between normal condenser and heat reclaim condenser
- Allows reclamation of heat that would otherwise be discharged to the outdoor condenser
- "B" type eliminates the need for normally open solenoid valve on systems requiring reclaim condenser pump out
- Not for split condenser applications
- Can be installed in horizontal or vertical position
- Capacity listed in nominal tons at 2 PSI pressure drop, 0°F evaporator, 100°F condensing temperature isentropic compression plus 50°F, 25°F superheat suction gas

Note: Use with MKC coils (sold separately).



Order #	Mfg. #	Port Size	Conn. Size	R404A Capacity	Each
B17-435	8D9B-HP	3/4"	1-1/8"	8.0	**1899.00**
B17-436	12D-11B	1-1/4"	1-3/8"	23.4	**2399.00**
B17-437	12D-13B	1-1/4"	1-5/8"	23.4	**2399.00**

3-Way Heat Reclaim Valves Repair Parts





Order #	Mfg. #	Description	For Use With	Each
B17-438	KS8DB	Heat Reclaim Repair Kit	8D9B-HP	**849.00**
B17-439	KS12DB	Heat Reclaim Repair Kit	12D-11B	**1299.00**
B17-441	KS-8D/12DP/14DP	Heat Reclaim Pilot Assembly	All Models	**1545.00**

Solenoid Valve Operating Magnet

- Use to test, troubleshoot or manually activate solenoid and reversing valves
- Holds solenoid valve open during recovery and evacuation
- Temporarily replaces faulty coil to open solenoid valve
- Turns power on or replaces faulty solenoid
- Permanent magnet molded in ABS plastic fits all solenoid valves



Order #	Mfg. #	Each
B22-020	SM-18	**89.00**

CRO(T) Series Crankcase Pressure Regulators

- Protects compressor from overloading after defrost or off cycle
- Automatically throttles vapor flow until compressor can handle load
- All models respond to outlet pressure
- Prevents the suction pressure from rising above valve setting
- Installs in suction line between evaporator and compressor
- CROT regulator includes 1/4" SAE access fitting on inlet
- Rated capacity is nominal tons at 100°F condenser, 10°F superheat, 0°F subcooling and listed evaporator temperature and valve setting with 1/2 psi pressure drop



Order #	Mfg. #	R22 Capacity	Conn. Size	Pressure Range PSIG	Each
B17-400	CRO-4 0/20	.12 @ -20° and 20 psi	3/8" ODF	0–20	**809.00**
B17-401	CRO-4 0/20	.12 @ -20° and 20 psi	1/2" ODF	0–20	**669.00**
B17-402	CRO-4 0/50	.12 @ -20° and 30 psi	1/2" ODF	0–50	**809.00**
B17-859	CRO-4 0/50	.12 @ -20° and 30 psi	3/8" ODF	0-50	**809.00**
B17-860	CRO-4 0/75	.12 @ -20° and 40 psi	3/8" ODF	0-75	**809.00**
B17-861	CRO-4 0/75	.12 @ -20° and 40 psi	1/2" ODF	0-75	**809.00**
B17-862	CRO-6 0/60	.52 @ -20° and 30 psi	1/2" ODF	0-60	**929.00**
B17-863	CRO-6 0/60	.52 @ -20° and 30 psi	5/8" ODF	0-60	**929.00**
B17-864	CRO-6 0/60	.52 @ -20° and 30 psi	7/8" ODF	0-60	**929.00**
B17-865	CRO-6 30/110	.79 @ +20° and 70 psi	1/2" ODF	30-110	**929.00**
B17-866	CRO-6 30/110	.79 @ +20° and 70 psi	5/8" ODF	30-110	**929.00**
B17-867	CRO-6 30/110	.79 @ +20° and 70 psi	7/8" ODF	30-110	**929.00**
B17-403	CROT-6 0/60	.52 @ -20° and 30 psi	1/2 ODF	0–60	**859.00**
B17-404	CROT-6 0/60	.52 @ -20° and 30 psi	1/2" SAE	0–60	**945.00**
B17-405	CROT-6 0/60	.52 @ -20° and 30 psi	5/8" ODF	0–60	**859.00**
B17-406	CROT-6 0/60	.52 @ -20° and 30 psi	5/8" SAE	0–60	**945.00**
B17-407	CROT-6 0/60	.52 @ -20° and 30 psi	7/8" ODF	0–60	**859.00**
B17-408	CROT-6 0/60	.52 @ -20° and 30 psi	1-1/8" ODF	0–60	**945.00**
B17-409	CROT-6 30/110	.79 @ +20° and 70 psi	1/2 ODF	30–110	**945.00**
B17-410	CROT-6 30/110	.79 @ +20° and 70 psi	5/8" ODF	30–110	**859.00**

continued on next page

Order #	Mfg. #	R22 Capacity	Conn. Size	Pressure Range PSIG	Each
B17-411	CROT-6 30/110	.79 @ +20° and 70 psi	7/8" ODF	30–110	**945.00**
B17-412	CROT-10 0/60	1.83 @ -20° and 30 psi	7/8" ODF	0–60	**1245.00**
B17-413	CROT-10 0/60	1.83 @ -20° and 30 psi	1-1/8" ODF	0–60	**1245.00**
B17-414	CROT-10 0/60	1.83 @ -20° and 30 psi	1-3/8 ODF	0–60	**1245.00**
B17-415	CROT-10 30/110	2.89 @ +20° and 70 psi	1-1/8" ODF	30–110	**1345.00**
B17-416	CROT-10 30/110	2.89 @ +20° and 70 psi	1-3/8 ODF	30–110	**1345.00**



ORIT Evaporator Pressure Regulators

Direct Acting

- Automatically maintains desired minimum evaporator pressure
- Efficiently balances system capacity regardless of operating conditions
- Prevents evaporator pressures change as load changes
- All valves have pressure tap for easy adjustment
- Install in suction line between evaporator and compressor
- Short length sweat fittings
- See vendor literature for sizing capacity

Order #	Mfg. #	Conn. Size	Port Size	Pressure Range PSIG	Each
B17-417	ORIT-6 0/50	1/2" SAE	0.750"	0–50	**1099.00**
B17-868	ORIT-6 0/20	3/8" ODF	0.750"	0-50	**1099.00**
B17-869	ORIT-6 0/50	1/2" ODF	0.750"	0-50	**1099.00**
B17-418	ORIT-6 0/50	5/8" SAE	0.750"	0–50	**1099.00**
B17-419	ORIT-6-0/50-7S	7/8" ODF	0.750"	0–50	**1099.00**
B17-870	ORIT-6 0/50	5/8" ODF	0.750"	0-50	**889.00**
B17-871	ORIT-6 30/100	3/8" ODF	0.750"	30-100	**1099.00**
B17-872	ORIT-6 30/100	1/2" ODF	0.750"	30-100	**1099.00**
B17-873	ORIT-6 30/100	5/8" ODF	0.750"	30-100	**889.00**

Order #	Mfg. #	Conn. Size	Port Size	Pressure Range PSIG	Each
B17-420	ORIT-6 30/100	5/8" SAE	0.750"	30–100	**1099.00**
B17-421	ORIT-6 30/100	7/8" ODF	0.750"	30–100	**889.00**
B17-422	ORIT-6 30/100	1-1/8" ODF	0.750"	30–100	**1099.00**
B17-423	ORIT-10 0/50	1-1/8" ODF	1.218"	0–50	**1599.00**
B17-424	ORIT-10 0/50	1-3/8" ODF	1.218"	0–50	**1599.00**
B17-425	ORIT-10 30/100	7/8" ODF	1.218"	30–100	**1599.00**
B17-426	ORIT-10 30/100	1-1/8" ODF	1.218"	30–100	**1599.00**
B17-427	ORIT-10 30/100	1-3/8" ODF	1.218"	30–100	**1599.00**



SORIT Evaporator Pressure Regulators

Pilot Acting With Suction Stop

- Automatically maintains desired minimum evaporator pressure
- Efficiently balances system capacity regardless of operating conditions
- Prevents evaporator pressures change as load changes
- All valves have pressure tap for easy adjustment
- Install in suction line between evaporator and compressor
- High side pilot allows valve operation with less pressure drop
- Suction stop in pilot valve for hot gas defrost applications
- See vendor literature for sizing capacity

Note: Use with MKC coils (sold separately).

Order #	Mfg. #	Conn. Size	Port Size	Pressure Range PSIG	Each
B17-428	SORIT12	1-1/8" ODF	25/32"	0–100	**2445.00**
B17-429	SORIT15	1-3/8" ODF	1"	0–100	**3145.00**

Order #	Mfg. #	Conn. Size	Port Size	Pressure Range PSIG	Each
B17-430	SORIT20	1-5/8" ODF	1-5/16"	0–100	**3645.00**



SORIT Valve Repair Parts

- For repairing (S)ORIT valves
- For proper valve operation, do not reuse old piston or pilot assembly. New piston and pilot assembly must be used together

Order #	Mfg. #	Description	Each
B17-431	KY1005-1	Pilot Assembly (All)	**1245.00**
B17-432	KSORI12	Internal Parts Kit	**1099.00**

Order #	Mfg. #	Description	Each
B17-433	KSORI15	Internal Parts Kit	**905.00**
B17-434	KSORI20	Internal Parts Kit	**1145.00**

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Head Pressure Controls

- 3-way non-adjustable head pressure control valve
- Limits the flow of refrigerant from the condenser to the receiver
- Maintains more consistent head pressure than fan cycling controls
- Install in liquid line between condenser and receiver
- LAC-4 capacity: 2.25 nominal ton capacity for R404a at 2 PSI pressure drop, 0°F evaporator, 110°F condenser and 10°F subcooling
- LAC-5 capacity: 5.39 nominal ton capacity for R404a at 2 PSI pressure drop, 0°F evaporator, 110°F condenser and 10°F subcooling
- OROA-5 capacity: 9.15 nominal ton capacity for R404a at 2 PSI pressure drop, 0° evaporator, 110°F condenser and 10°F subcooling
- Use 100 PSI for R134a, 180 PSI for R22 and 210 PSI for R404a



A



B

Fig.	Order #	Mfg. #	Conn. Size	Pressure Setting	Each
A	**B17-456**	LAC-4-100	3/8" ODF	100 PSIG	**579.00**
A	**B17-457**	LAC-4-100	1/2" ODF	100 PSIG	**699.00**
A	**B17-458**	LAC-4-180	3/8" ODF	180 PSIG	**579.00**
A	**B17-459**	LAC-4-180	1/2" ODF	180 PSIG	**579.00**
A	**B17-460**	LAC-4-210	3/8" ODF	210 PSIG	**699.00**
A	**B17-850**	LAC-5-100	1/2" ODF	100 PSIG	**1245.00**
A	**B17-851**	LAC-5-100	5/8" ODF	100 PSIG	**1245.00**
A	**B17-852**	LAC-5-100	7/8" ODF	100 PSIG	**1245.00**
A	**B17-853**	LAC-5-100	1-1/8" ODF	100 PSIG	**1245.00**
A	**B17-854**	LAC-5-180	1/2" ODF	180 PSIG	**1245.00**

Fig.	Order #	Mfg. #	Conn. Size	Pressure Setting	Each
A	**B17-855**	LAC-5-180	5/8" ODF	180 PSIG	**1245.00**
A	**B17-856**	LAC-5-180	7/8" ODF	180 PSIG	**1245.00**
A	**B17-857**	LAC-5-180	1-1/8" ODF	180 PSIG	**1245.00**
A	**B17-858**	LAC-5-210	7/8" ODF	210 PSIG	**1245.00**
B	**B17-461**	OROA-5-100	5/8" ODF	100 PSIG	**1199.00**
B	**B17-462**	OROA-5-100	7/8" ODF	100 PSIG	**1199.00**
B	**B17-463**	OROA-5-180	5/8" ODF	180 PSIG	**965.00**
B	**B17-464**	OROA-5-180	7/8" ODF	180 PSIG	**965.00**
B	**B17-465**	OROA-5-210	5/8" ODF	210 PSIG	**1199.00**
B	**B17-466**	OROA-5-210	7/8" ODF	210 PSIG	**1199.00**

R410A Externally Equalized Expansion Valves

- Balanced port construction with ODF copper fittings silver soldered to body
- Removable strainer screen

Order #	Mfg. #	Each
E03-656	ERZE-4-GA-3SX4X2	**499.00**
E04-930	ERZE-8-GA-5X7X2	**715.00**
E03-658	ERZE-6-GA-4X5X2	**499.00**
E03-659	ERZE-8-GA-4X7X2	**715.00**
E03-661	ERZE-15-GA-5X9X2	**715.00**
E04-927	ERZE-15-GA-7X9X2	**715.00**
E04-926	ERZE12-1/2GA5X7X2	**715.00**
E03-660	ERZE12-1/2GA5X9X2	**715.00**



Q Series Expansion Valve Bodies

- Q Bodies are Conventional Port, BQ Bodies are Balanced Port
- Designed to provide optimum performance for all applications — air conditioning and heat pump, medium and low temperature refrigeration

Order #	Mfg. #	Each
E01-014	SBQ	**209.00**
E01-015	SBQE	**245.00**
E03-666	EBQ-BODY	**209.00**
E01-412	EQ-BODY	**215.00**
E01-140	BQE3X4X2SAE	**205.00**
E01-304	EBQ3VX4ODF	**209.00**
E01-305	EBQE3VX4X2ODF	**239.00**
E01-413	EQE3VX4X2ODF	**245.00**
E01-800	QE3X4X2SAE	**209.00**
E01-919	SQE3X4X2ODF	**249.00**



Q Series Expansion Valve Elements



- Standard capillary tube length of 5'

Order #	Mfg. #	Each
E01-601	KT-43-JC	**165.00**
E01-610	KT-43-SZ	**165.00**
E01-611	KT-43-SZP	**165.00**
E01-619	KT-45-ZGA	**345.00**
E01-626	KT-53-SZ	**235.00**
E01-628	KT-53-VC	**235.00**
E01-616	KT-43-VZ	**165.00**
E04-751	KT-43-NGA	**165.00**
E04-747	KT-53-SC/PC	**235.00**
E01-612	KT-43-VC-5FT	**165.00**
E04-746	KT-43-SC/PC5	**165.00**

Q Series Expansion Valve Orifices



- Top surface is color coded to identify cartridge capacity
- Capacity code on cartridge

Order #	Mfg. #	Each
E01-133	BQC-A	**79.00**
E01-134	BQC-AA	**79.00**
E01-135	BQC-AAA	**79.00**
E01-136	BQC-B	**79.00**
E01-137	BQC-C	**79.00**
E01-792	QC-0	**32.99**
E01-793	QC-1	**32.99**
E01-794	QC-2	**32.99**
E01-795	QC-3	**32.99**
E01-796	QC-4	**32.99**
E01-797	QC-5	**32.99**
E01-798	QC-6	**32.99**

Catch-All Reversible Heat Pump Filter-Driers



- Filter-drier operates in either flow direction with low pressure drop
- Carefully engineered desiccant formulations for new system and system clean-up for all commercially available HCFC and HFC refrigerant/lubricant combinations
- Shells listed by Underwriters Laboratories for 650 psi for R-410A systems

Order #	Mfg. #	Each
E01-504	HPC-104S	**115.00**
E04-834	HPC-163S	**145.00**
E04-862	HPC-164S	**165.00**
E05-099	HPC-083-S	**109.00**

Catch-All Reversible Burnout Heat Pump Filter-Driers

- Filter-drier operates in either flow direction with low pressure drop
- Carefully engineered desiccant formulations for new system and system clean-up for all commercially available HCFC and HFC refrigerant/lubricant combinations
- Shells listed by Underwriters Laboratories for 650 psi for R-410A systems

Order #	Mfg. #	Each
E01-508	HPC-164-S-HH	**159.00**
E01-510	HPC-165-S-HH	**165.00**
E01-506	HPC-163-S-HH	**159.00**
E01-513	HPC-305-S-HH	**245.00**
E01-514	HPC-307-S-HH	**249.00**

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Catch-All Replaceable Cores

- Cores are individually packed in metal cans, fully activated, and hermetically sealed against moisture and dirt
- Filter elements are sealed in plastic wrap and individually packed in cartons



Order #	Mfg. #	Each
E01-806	RC-4864-HH	**139.00**
E01-822	RCW-48	**159.00**
E01-835	RPE-48-BD	**115.00**
E01-804	RC10098-HH	**305.00**
E01-805	RCA-48	**89.00**

Catch-All Liquid Line Filter-Driers

- Removes moisture, foreign matter, acids, sludge, and varnish



Order #	Mfg. #	Conn. Size	Cubic Inches	Length	R12/R134a Capacity	R22/R410A Capacity	R404A/R507 Capacity	Each
E01-143	C-032	1/4" SAE	3	4.24	1.3	1.4	1.0	**41.49**
E01-147	C-032-S	1/4" ODF	3	3.78	1.3	1.4	1.0	**41.49**
E01-149	C-033-S	3/8" ODF	3	3.92	3.5	3.7	2.6	**42.99**
E01-150	C-052	1/4" SAE	5	4.72	1.9	2.0	1.4	**48.99**
E01-154	C-052-S	1/4" ODF	5	4.26	1.9	2.0	1.4	**48.49**
E01-156	C-053	3/8" SAE	5	5.16	3.8	4.0	2.7	**49.49**
E01-159	C-053-S	3/8" ODF	5	4.4	4.3	4.5	3.1	**48.49**
E01-160	C-082	1/4" SAE	9	5.62	1.9	2.0	1.4	**65.00**
E01-162	C-082-S	1/4" ODF	9	5.16	1.9	2.0	1.4	**65.00**
E01-164	C-083	3/8" SAE	9	6.06	4.2	4.4	3.0	**65.00**
E01-167	C-083-S	3/8" ODF	9	5.3	4.7	5.0	3.4	**65.00**
E01-170	C-084	1/2" SAE	9	6.32	7.4	7.9	5.5	**69.00**
E01-171	C-084-S	1/2" ODF	9	5.42	7.9	8.5	5.9	**65.00**
E01-181	C-163	3/8" SAE	16	6.72	4.2	4.4	3.0	**79.00**
E01-183	C-163-S	3/8" ODF	16	5.96	4.7	5.0	3.4	**79.00**
E01-185	C-164	1/2" SAE	16	6.98	9.3	9.8	6.8	**85.00**
E01-187	C-164-S	1/2" ODF	16	6.08	10.1	10.7	7.3	**85.00**
E01-190	C-165	5/8" SAE	16	7.28	11.0	11.7	8.2	**89.00**
E01-192	C-165-S	5/8" ODF	16	6.32	12.6	13.4	9.2	**89.00**
E01-201	C-303-S	3/8" ODF	30	8.86	4.7	5.0	3.4	**145.00**
E01-203	C-304	1/2" SAE	30	9.88	9.3	9.8	6.8	**139.00**
E01-205	C-304-S	1/2" ODF	30	8.98	10.1	10.7	7.3	**139.00**
E01-207	C-305	5/8" SAE	30	10.18	13.6	14.5	9.9	**139.00**
E01-209	C-305-S	5/8" ODF	30	9.22	15.5	16.4	11.3	**139.00**
E01-213	C-307-S	7/8" ODF	30	9.82	19.8	21.0	14.4	**155.00**
E01-222	C-415-S	5/8" ODF	41	9.22	16.1	17.1	11.8	**205.00**
E01-224	C-417-S	7/8" ODF	41	9.82	20.3	21.5	14.8	**199.00**
E40-010	C-607-S	7/8" ODF	60	15.93	26.6	28.4	19.5	**305.00**

Catch-All HH Style Liquid Line Filter-Driers

- Removes moisture, foreign matter, acids, sludge, and varnish
- Select an HH Style Catch-All Filter-Drier if wax problems occur on low temperature systems



Order #	Mfg. #	Each
E01-184	C-163-S-HH	**89.00**
E01-188	C-164-S-HH	**105.00**
E01-210	C-305-S-HH	**179.00**
E01-204	C304HH	**179.00**
E01-208	C305HH	**179.00**
E01-166	C-083-HH	**79.00**
E01-182	C163HH	**95.00**
E01-186	C164HH	**109.00**
E01-168	C-083-S-HH	**75.00**
E01-206	C-304-S-HH	**179.00**

Catch-All Suction Line Filter-Driers

- Removes moisture, foreign matter, acids, sludge, and varnish
- Suction line filter-driers utilize the HH style charcoal core to obtain the maximum ability for lubricant clean-up and removing all types of contaminants



Order #	Mfg. #	Each
E01-195	C166STHH	**139.00**
E01-194	C165S-T-HH	**129.00**
E01-212	C306STHH	**215.00**
E01-174	C-146-S-TT-HH	**159.00**
E01-175	C-147-S-TT-HH	**165.00**
E01-216	C-309-S-T-HH	**229.00**
E01-197	C167STHH	**135.00**
E01-227	C419S-T-HH	**295.00**
E01-228	C4311-S-T-HH	**515.00**
E01-214	C-307-S-T-HH	**209.00**

See-All Moisture and Liquid Indicators

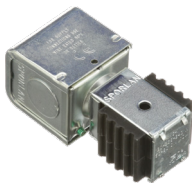
- Moisture & Liquid Indicator may be installed anywhere in the liquid line
- Change the drier when the color is in the caution or wet range
- Bubbles indicate a shortage of refrigerant or a restriction in the liquid line such as a plugged drier



Order #	Mfg. #	Each
E01-847	SA-13S	**69.00**
E01-860	SA-19S	**135.00**
E01-844	SA-12S	**65.00**
E01-852	SA-14S	**85.00**
E01-856	SA-15S	**85.00**
E01-859	SA-17S	**125.00**
E01-843	SA-12FM	**69.00**
E01-846	SA-13FM	**69.00**
E01-851	SA-14FM	**85.00**

MKC Solenoid Coils

- Normally closed solenoid coils
- Class “F” temperature rating



Order #	Mfg. #	Each
E01-699	MKC-1-120	**169.00**
E01-701	MKC-1-208/240	**169.00**
E01-703	MKC-1-24	**169.00**
E01-707	MKC-2-120	**209.00**
E01-712	MKC-2-24	**209.00**
E01-704	MKC-1-120/240	**225.00**
E01-713	MKC-2-120/240	**265.00**
E01-709	MKC-2-208/240	**209.00**

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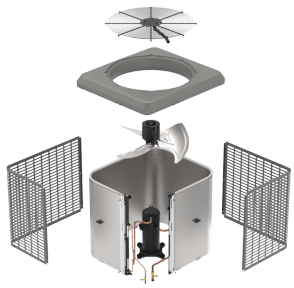

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E-Series Normally Closed Solenoid Valves

- Normally closed compact solenoid valves with pilot operated disc construction for refrigeration and air conditioning
- E3 Series are direct-acting
- Without manual lift stem

Order #	Mfg. #	Each
E01-287	E5S130	**229.00**
E01-284	E3S130	**215.00**
E01-283	E3S120	**215.00**
E03-690	E2S120-HP	**209.00**
E41-585	E5S120-HP	**219.00**
E03-691	E5S130-HP	**219.00**
E03-694	E10S240-HP	**439.00**
E04-847	E10S250-HP	**439.00**
E03-695	E14S250-HP	**459.00**
E03-696	E19S270-HP	**725.00**
E41-603	E25S290-HP	**1099.00**
E03-692	E6S130-HP	**259.00**
E41-587	E6S140-HP	**259.00**
E04-849	E9S230-HP	**375.00**
E03-693	E9S240-HP	**375.00**
E41-584	E2S130-HP	**209.00**
E41-588	E8S140-HP	**295.00**



M-Series Normally Closed Solenoid Valves

- Normally closed solenoid valves with extended connections
- With manual lift stem

Order #	Mfg. #	Each
E01-691	ME6S130	**369.00**
E03-698	ME10S250-HP	**535.00**
E01-681	ME14S250-HP	**535.00**
E41-596	ME14S270-HP	**579.00**
E01-685	ME19S270-HP	**815.00**
E01-688	ME25S290-HP	**1145.00**
E01-692	ME6S130-HP	**345.00**
E03-697	ME6S140-HP	**345.00**
E01-696	ME9S240-HP	**475.00**



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MUELLER STREAMLINE CO.


A


B


C


D

Pressure Relief Valves

- Suitable for all CFC, HCFC and HFC refrigerants and their oils
- Brass body construction
- 100% Teflon® seat material
- Stainless steel spring material
- **B14-171** through **B14-182** are atmospheric type valves and have no external outlet connection
- Temperature range: -40°F to +325°F
- ASME certified
- Other pressure settings available upon request

Fig.	Order #	Mfg. #	Inlet Conn.	Outlet Conn.	Port Size	Discharge Capacity	Pressure Setting	Each
A	**B14-171**	A18774-350	1/8" MPT	—	3/16"	11.8	350 PSIG	**179.00**
A	**B14-172**	A18774-400	1/8" MPT	—	3/16"	13.5	400 PSIG	**179.00**
A	**B14-173**	A18774-450	1/8" MPT	—	3/16"	15.1	450 PSIG	**179.00**
A	**B14-174**	B33755-300	1/4" MPT	—	3/16"	10.2	300 PSIG	**185.00**
A	**B14-176**	B33755-350	1/4" MPT	—	3/16"	13.5	350 PSIG	**179.00**
A	**B14-177**	B33755-400	1/4" MPT	—	3/16"	14.3	400 PSIG	**179.00**
A	**B14-178**	B33755-425	1/4" MPT	—	3/16"	15.1	425 PSIG	**185.00**
D	**B14-228**	B33755-450	1/4" MPT	—	3/16"	17	450 PSIG	**185.00**
A	**B14-179**	A17430-235	3/8" MPT	—	3/16"	8.1	235 PSIG	**159.00**
A	**B14-180**	A17430-350	3/8" MPT	—	3/16"	11.8	350 PSIG	**159.00**
A	**B14-181**	A17430-400	3/8" MPT	—	3/16"	13.5	400 PSIG	**159.00**
A	**B14-182**	A17430-450	3/8" MPT	—	3/16"	15.1	450 PSIG	**159.00**
B	**B12-046**	B33752-235	1/4" MPT	3/8" SAE	3/16"	8.1	235 PSIG	**219.00**
B	**B14-183**	B33752-300	1/4" MPT	3/8" SAE	3/16"	10.2	300 PSIG	**219.00**
B	**B12-047**	B33752-350	1/4" MPT	3/8" SAE	3/16"	11.8	350 PSIG	**219.00**
B	**B12-048**	B33752-400	1/4" MPT	3/8" SAE	3/16"	13.5	400 PSIG	**219.00**
B	**B14-184**	B33752-425	1/4" MPT	3/8" SAE	3/16"	14.3	425 PSIG	**215.00**
B	**B12-049**	B33752-450	1/4" MPT	3/8" SAE	3/16"	15.1	450 PSIG	**219.00**
B	**B14-185**	A15502-235	3/8" MPT	3/8" SAE	3/16"	8.1	235 PSIG	**179.00**
B	**B14-186**	A15502-300	3/8" MPT	3/8" SAE	3/16"	10.2	300 PSIG	**179.00**
B	**B14-187**	A15502-350	3/8" MPT	3/8" SAE	3/16"	11.8	350 PSIG	**185.00**
B	**B14-188**	A15502-400	3/8" MPT	3/8" SAE	3/16"	13.5	400 PSIG	**185.00**
B	**B14-189**	A15502-425	3/8" MPT	3/8" SAE	3/16"	14.3	425 PSIG	**185.00**
B	**B14-190**	A15502-450	3/8" MPT	3/8" SAE	3/16"	15.1	450 PSIG	**185.00**
B	**B14-191**	A15503-235	3/8" MPT	1/2" SAE	3/16"	8.1	235 PSIG	**179.00**
B	**B14-192**	A15503-300	3/8" MPT	1/2" SAE	3/16"	10.2	300 PSIG	**179.00**
B	**B14-193**	A15503-350	3/8" MPT	1/2" SAE	3/16"	11.8	350 PSIG	**179.00**
B	**B14-194**	A15503-400	3/8" MPT	1/2" SAE	3/16"	13.5	400 PSIG	**179.00**
B	**B14-195**	A15503-425	3/8" MPT	1/2" SAE	3/16"	14.3	425 PSIG	**179.00**
B	**B14-196**	A15503-450	3/8" MPT	1/2" SAE	3/16"	15.1	450 PSIG	**179.00**
B	**B12-050**	A18783-235	3/8" MPT	1/2" SAE	9/32"	16.1	235 PSIG	**235.00**
B	**B14-206**	A18783-300	3/8" MPT	1/2" SAE	9/32"	20.3	300 PSIG	**229.00**
B	**B12-051**	A18783-350	3/8" MPT	1/2" SAE	9/32"	23.6	350 PSIG	**235.00**
B	**B12-052**	A18783-400	3/8" MPT	1/2" SAE	9/32"	26.8	400 PSIG	**235.00**
B	**B14-207**	A18783-425	3/8" MPT	1/2" SAE	9/32"	28.4	425 PSIG	**229.00**
B	**B12-053**	A18783-450	3/8" MPT	1/2" SAE	9/32"	30.1	450 PSIG	**235.00**
B	**B12-054**	A15504-235	1/2" MPT	5/8" SAE	9/32"	16.1	235 PSIG	**235.00**
B	**B14-208**	A15504-300	1/2" MPT	5/8" SAE	9/32"	20.3	300 PSIG	**229.00**
B	**B12-055**	A15504-350	1/2" MPT	5/8" SAE	9/32"	23.6	350 PSIG	**235.00**
B	**B12-056**	A15504-400	1/2" MPT	5/8" SAE	9/32"	26.8	400 PSIG	**235.00**
B	**B14-209**	A15504-425	1/2" MPT	5/8" SAE	9/32"	28.4	425 PSIG	**235.00**
C	**B14-197**	B33746-300	1/4" MPT	3/8" SAE	3/16"	10.2	300 PSIG	**215.00**
C	**B14-198**	B33746-400	1/4" MPT	3/8" SAE	3/16"	13.5	400 PSIG	**219.00**
C	**B14-199**	B33746-450	1/4" MPT	3/8" SAE	3/16"	15.1	450 PSIG	**215.00**
C	**B14-200**	A15512-350	3/8" MPT	3/8" SAE	3/16"	11.8	350 PSIG	**219.00**
C	**B14-201**	A15512-400	3/8" MPT	3/8" SAE	3/16"	13.5	400 PSIG	**219.00**
C	**B14-202**	A15512-450	3/8" MPT	3/8" SAE	3/16"	15.1	450 PSIG	**215.00**
C	**B14-203**	A15513-300	3/8" MPT	1/2" SAE	3/16"	10.2	300 PSIG	**215.00**
C	**B14-204**	A15513-400	3/8" MPT	1/2" SAE	3/16"	13.5	400 PSIG	**215.00**
C	**B14-205**	A15513-450	3/8" MPT	1/2" SAE	3/16"	15.1	450 PSIG	**215.00**
C	**B14-210**	A18784-300	3/8" MPT	1/2" SAE	9/32"	23.6	350 PSIG	**219.00**
C	**B14-211**	A18784-450	3/8" MPT	1/2" SAE	9/32"	30.1	450 PSIG	**219.00**
C	**B14-212**	A15514-235	1/2" MPT	5/8" SAE	9/32"	16.1	235 PSIG	**265.00**
C	**B14-213**	A15514-300	1/2" MPT	5/8" SAE	9/32"	20.3	300 PSIG	**269.00**
C	**B14-214**	A15514-350	1/2" MPT	5/8" SAE	9/32"	23.6	350 PSIG	**265.00**

continued on next page

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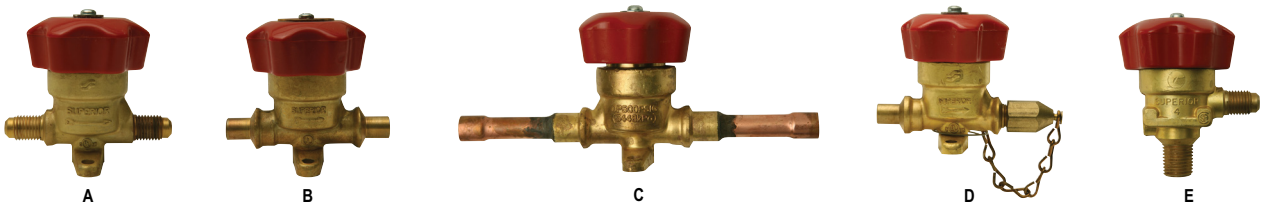
Fig.	Order #	Mfg. #	Inlet Conn.	Outlet Conn.	Port Size	Discharge Capacity	Pressure Setting	Each
C	**B14-215**	A15514-400	1/2" MPT	5/8" SAE	9/32"	26.8	400 PSIG	**269.00**
C	**B14-216**	A15514-425	1/2" MPT	5/8" SAE	9/32"	28.4	425 PSIG	**269.00**
C	**B14-217**	A15514-450	1/2" MPT	5/8" SAE	9/32"	30.1	450 PSIG	**269.00**
D	**B14-218**	A18356-300	1/2" MPT	1/2" FPT	7/16"	46.6	300 PSIG	**315.00**
D	**B14-219**	A18356-350	1/2" MPT	1/2" FPT	7/16"	54.0	350 PSIG	**315.00**
D	**B14-220**	A18356-400	1/2" MPT	1/2" FPT	7/16"	61.4	400 PSIG	**325.00**
D	**B14-221**	A18356-425	1/2" MPT	1/2" FPT	7/16"	65.1	425 PSIG	**315.00**
D	**B14-222**	A18356-450	1/2" MPT	1/2" FPT	7/16"	68.8	450 PSIG	**325.00**
D	**B14-223**	A18358-235	3/4" MPT	3/4" FPT	7/16"	36.9	235 PSIG	**315.00**
D	**B14-224**	A18358-300	3/4" MPT	3/4" FPT	7/16"	46.6	300 PSIG	**325.00**
D	**B14-225**	A18358-350	3/4" MPT	3/4" FPT	7/16"	54.0	350 PSIG	**325.00**
D	**B14-226**	A18358-400	3/4" MPT	3/4" FPT	7/16"	61.4	400 PSIG	**325.00**
D	**B14-227**	A18358-425	3/4" MPT	3/4" FPT	7/16"	65.1	425 PSIG	**315.00**
D	**B14-229**	A18387-235	1" MPT	1" FPT	23/32"	88.0	235 PSIG	**479.00**
D	**B14-230**	A18387-300	1" MPT	1" FPT	23/32"	111.0	300 PSIG	**479.00**
D	**B14-231**	A17834-300	1-1/4" MPT	1-1/4" FPT	23/32"	111.0	300 PSIG	**479.00**

Tuffy Series Diaphragm Packless Valves

MUELLER STREAMLINE CO.

- Suitable for all CFC, HCFC and HFC refrigerants and their oils
- Forged brass body construction
- Stainless steel diaphragm construction
- Valves may be installed without disassembly
- **B13-852** (234 Series) is designed for purging and draining
- ST models have copper extended ends
- Temperature range: -40°F to +275°F
- Working pressure: 700 PSIG



A B C D E

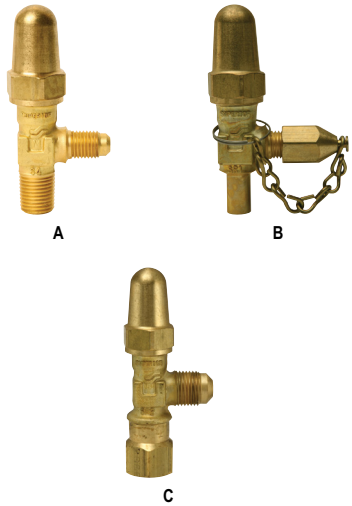
Fig.	Order #	Mfg. #	Conn. Size	Height	Length	Each
A	**B12-022**	A14833	1/4" SAE	2.50"	2.75"	**145.00**
A	**B12-023**	A14835	3/8" SAE	2.50"	2.75"	**165.00**
A	**B12-024**	A14836	1/2" SAE	3.40"	3.60"	**209.00**
A	**B12-025**	A14837	5/8" SAE	3.40"	3.90"	**229.00**
B	**B12-026**	A14838	1/4" ODF	2.50"	2.75"	**145.00**
B	**B12-027**	A14840	3/8" ODF	2.50"	2.75"	**165.00**
B	**B12-028**	A14841	1/2" ODF	3.40"	3.60"	**209.00**
B	**B12-029**	A14842	5/8" ODF	3.40"	3.60"	**229.00**
C	**B12-500**	A14848	1/4" ODF	2.50"	6.00"	**185.00**

Fig.	Order #	Mfg. #	Conn. Size	Height	Length	Each
C	**B12-501**	A14850C	3/8" ODF	2.50"	5.88"	**215.00**
C	**B12-502**	A14851	1/2" ODF	3.38"	6.56"	**269.00**
C	**B12-503**	A14852	5/8" ODF	3.38"	7.31"	**289.00**
D	**B13-852**	A18998	1/4" ODF	2.50"	2.75"	**329.00**
D	**B13-854**	A18997	3/8" ODF	2.50"	2.75"	**319.00**
E	**B13-680**	A15525	1/4" MPT x 1/4" SAE	2.78"	1.41"	**229.00**
E	**B13-681**	A15526	1/4" MPT x 3/8" SAE	2.78"	1.41"	**229.00**
E	**B13-720**	A15541	1/2" ODF	3.38"	2.38"	**205.00**

Packed Angle Valves

MUELLER STREAMLINE CO.

- Suitable for all CFC, HCFC and HFC refrigerants and their oils
- Forged brass body construction with brass seal cap and Teflon® seat material
- Provides for easy access and service to refrigeration system
- **B14-244** and **B14-245** (600B series) are oil leveler angle valves
- 700 PSI working pressure; -40°F to +300°F temperature range



A B C

Fig.	Order #	Mfg. #	Conn. Size	Each
A	**B12-030**	AV1H-FA21A	1/4" MPT Bottom x 1/4" SAE Top	**89.00**
A	**B12-031**	A13613	3/8" MPT Bottom x 1/4" SAE Top	**109.00**
A	**B12-032**	A11030	1/4" MPT Bottom x 3/8" SAE Top	**89.00**
A	**B12-033**	A13503	3/8" MPT Bottom x 3/8" SAE Top	**105.00**
A	**B14-232**	A19023	1/2" MPT Bottom x 3/8" SAE Top	**175.00**
A	**B14-234**	A11042	3/8" MPT Bottom x 1/2" SAE Top	**145.00**
A	**B14-235**	A13220	1/2" MPT Bottom x 1/2" SAE Top	**169.00**
A	**B14-236**	A13502	1/4" MPT Bottom x 1/4" FPT Top	**135.00**
A	**B14-237**	A13978	1/2" MPT Bottom x 5/8" ODF Top	**225.00**
B	**B12-034**	AV1H-RA22B	1/4" ODF Bottom x 1/4" SAE Top	**135.00**
B	**B12-035**	A17913	3/8" ODF Bottom x 1/4" SAE Top	**135.00**
B	**B14-239**	A19022	1/2" ODF Bottom x 1/4" SAE Top	**309.00**
B	**B14-240**	A19021	1/2" ODF Bottom x 3/8" SAE Top	**309.00**
C	**B14-244**	A17429	1/4" Female SAE Bottom x 1/4" Male SAE Top	**105.00**
C	**B14-245**	A17474	3/8" Female SAE Bottom x 3/8" Male SAE Top	**105.00**

Parker



VAB Series Vibration Eliminators

Stainless Steel Construction with Copper Connections

- Stainless steel hose and braid for maximum strength, with solid copper connectors
- Available in sizes from 1/4" through 3-1/8"
- Leak-free operation beyond the pressure limits of conventional bronze vibration absorbers

Order #	Mfg. #	Conn. Size	Flexible Hose I.D.	Overall Length	Max. Working Pressure	Burst Pressure (PSIG)	Each
B15-344	VAB2SS	1/4" ODF	1/4"	7-1/2"	650	3250	**95.00**
B15-345	VAB3SS	3/8" ODF	3/8"	8-1/4"	650	5350	**75.00**
B15-346	VAB4SS	1/2" ODF	3/8"	9"	650	3250	**99.00**
B15-347	VAB5SS	5/8" ODF	1/2"	9-3/4"	650	3250	**99.00**
B15-348	VAB6SS	3/4" ODF	5/8"	11-1/4'	650	3250	**115.00**
B15-349	VAB7SS	7/8" ODF	3/4"	11-1/2"	650	3250	**135.00**
B15-350	VAB9SS	1-1/8" ODF	1"	13"	600	3000	**179.00**
B15-351	VAB11SS	1-3/8" ODF	1-1/4"	14-3/4"	550	2750	**299.00**
B82-742	VAB13SS	1-5/8" ODF	1-1/2"	17"	510	2550	**419.00**
B82-743	VAB17SS	2-1/8" ODF	2"	20"	400	2000	**649.00**
B82-744	VAB21SS	2-5/8" ODF	2-1/2"	24"	350	1750	**1245.00**
B82-745	VAB25SS	3-1/8" ODF	3"	27"	320	1600	**1645.00**

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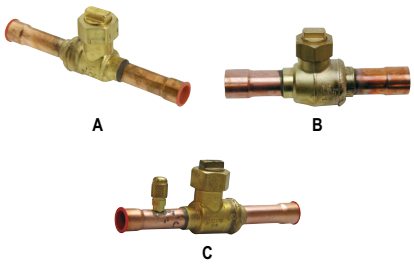

Ball Valves

- Suitable for all CFC, HCFC and HFC refrigerants and their oils
- Forged brass body and seal cap with copper extended ends
- No synthetic O-ring seals; double seal protection provides a superior stem seal
- Seal cap design provides valve operation without removal of seal cap
- Full size ports for unrestricted flow, except for **B12-066**, **B12-067**, **B82-206**, and **B82-207** which are reduced port
- Non-directional; valve may be installed in any position
- Full refrigeration service temperature range of -40°F to +325°F
- Valves with access fittings also available
- **B16-854** through **B16-861**, **B84-214** and **B84-215** include access fitting located on tube extension

Fig.	Order #	Mfg. #	Conn. Size	Each
A	**B12-058**	586WA-6ST	3/8" ODF	**145.00**
A	**B12-059**	586WA-8ST	1/2" ODF	**145.00**
A	**B12-060**	586WA-10ST	5/8" ODF	**145.00**
A	**B13-666**	587WA-12ST	3/4" ODF	**189.00**
A	**B12-061**	587WA-14ST	7/8" ODF	**189.00**
B	**B12-062**	591WA-11ST	1-1/8" ODF	**305.00**
B	**B12-063**	592WA-13ST	1-3/8" ODF	**479.00**
B	**B12-064**	593WA-15ST	1-5/8" ODF	**529.00**
B	**B12-065**	594WA-21ST	2-1/8" ODF	**979.00**
B	**B12-066**	594WA-25ST	2-5/8" ODF	**1445.00**
B	**B12-067**	594WA-31ST	3-1/8" ODF	**1499.00**
B	**B82-206**	596WA-35ST	3-5/8" ODF	**4399.00**

Fig.	Order #	Mfg. #	Conn. Size	Each
B	**B82-207**	596WA-41ST	4-1/8" ODF	**4599.00**
C	**B16-854**	586WAS-6ST	3/8" ODF	**165.00**
C	**B16-855**	586WAS-8ST	1/2" ODF	**165.00**
C	**B16-856**	586WAS-10ST	5/8" ODF	**165.00**
C	**B16-857**	587WAS-14ST	7/8" ODF	**225.00**
C	**B16-858**	591WAS-11ST	1-1/8" ODF	**335.00**
C	**B16-859**	592WAS-13ST	1-3/8" ODF	**515.00**
C	**B16-860**	593WAS-15ST	1-5/8" ODF	**575.00**
C	**B16-861**	594WAS-21ST	2-1/8" ODF	**1045.00**
C	**B84-214**	595WAS-25ST	2-5/8" ODF	**2799.00**
C	**B84-215**	596WAS-31ST	3-1/8" ODF	**4145.00**

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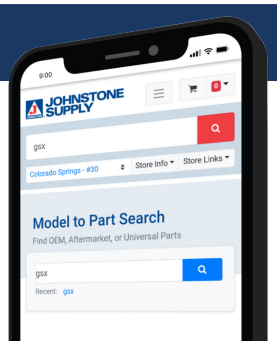

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H-V Check Valves

- Suitable for all CFC, HCFC and HFC refrigerants and their oils
- Forged brass body construction with special non-metallic bonnet gasket and Teflon® seat material
- Install in any position except upside down
- Low pressure drop "Y" design
- Complete back pressure shutoff at low pressure differential
- Special higher differential springs available upon request
- ST models have copper extended ends
- 500 PSI maximum working pressure; -40°F to +400°F temperature range

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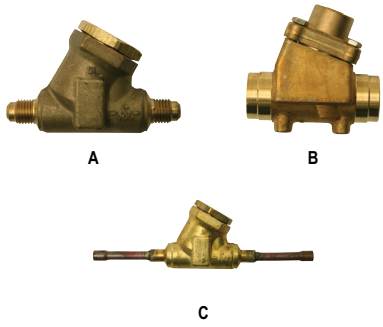

Fig.	Order #	Mfg. #	Conn. Size	Each
A	**B12-037**	802B-4S	1/4" ODF	**159.00**
A	**B14-156**	802B-6	3/8" SAE	**235.00**
A	**B12-038**	802B-6S	3/8" ODF	**165.00**
A	**B12-039**	802B-8S	1/2" ODF	**165.00**
A	**B12-040**	803B-10S	5/8" ODF	**179.00**
A	**B12-041**	804A-14S	7/8" ODF	**235.00**

Fig.	Order #	Mfg. #	Conn. Size	Each
B	**B14-148**	B34235	7/8" ODF	**629.00**
B	**B12-042**	B34236	1-1/8" ODF	**629.00**
B	**B12-043**	B34237	1-3/8" ODF	**715.00**
B	**B12-044**	B34238	1-5/8" ODF	**715.00**
B	**B12-045**	B34239	2-1/8" ODF	**1345.00**
B	**B14-149**	B34240	2-5/8" ODF	**4699.00**

Fig.	Order #	Mfg. #	Conn. Size	Each
B	**B14-150**	B34241	3-1/8" ODF	**6045.00**
C	**B12-504**	802B-4ST	1/4" ODF	**225.00**
C	**B12-505**	802B-6ST	3/8" ODF	**235.00**
C	**B12-506**	802B-8ST	1/2" ODF	**285.00**
C	**B12-507**	803B-10ST	5/8" ODF	**355.00**
C	**B12-508**	804A-14ST	7/8" ODF	**495.00**

Ball Valves

- Compatible with all CFC, HCFC and HFC refrigerants and oils
- Full port construction to match line size ID
- Internally equalized ball design
- Rupture-proof encapsulated stem
- Maximum working pressure 700 psig, 48 bar
- Working temperature range -40°F to 300°F
- MCM™ Seal Technology
- UL/cUL Listed, CE Certified
- **B19-543**, **B19-544**, **B19-545** and **B19-546** are reduced port valves

MUELLER STREAMLINE CO.



Fig.	Order #	Mfg. #	Conn. Size	Each
A	**B19-534**	AP17860C	3/8" ODF	**115.00**
A	**B19-535**	AP17861C	1/2" ODF	**115.00**
A	**B19-536**	AP17862C	5/8" ODF	**115.00**
A	**B19-537**	AP17863	3/4" ODF	**179.00**
A	**B19-538**	AP17864	7/8" ODF	**179.00**
A	**B19-539**	AP17865	1-1/8" ODF	**275.00**
A	**B19-540**	A17866	1-3/8" ODF	**419.00**
A	**B19-541**	A17867	1-5/8" ODF	**479.00**
A	**B19-542**	A17868	2-1/8" ODF	**775.00**
A	**B19-543**	A17871	2-5/8" ODF	**1199.00**
A	**B19-544**	A17872	3-1/8" ODF	**1345.00**
A	**B19-545**	B34909	3-5/8" ODF	**3645.00**
A	**B19-546**	B34910	4-1/8" ODF	**3645.00**

Fig.	Order #	Mfg. #	Conn. Size	Each
B	**B20-991**	AQ17859	1/4" ODF	**155.00**
B	**B19-547**	AQ17860C	3/8" ODF	**155.00**
B	**B19-548**	AQ17861C	1/2" ODF	**155.00**
B	**B19-549**	AQ17862C	5/8" ODF	**155.00**
B	**B20-992**	AQ17863	3/4" ODF	**215.00**
B	**B19-550**	AQ17864C	7/8" ODF	**215.00**
B	**B19-551**	AQ17865	1-1/8" ODF	**315.00**
B	**B19-552**	AC17866	1-3/8" ODF	**455.00**
B	**B19-553**	AC17867	1-5/8" ODF	**515.00**
B	**B19-554**	AC17868	2-1/8" ODF	**799.00**
B	**B19-555**	AC17871	2-5/8" ODF	**1245.00**
B	**B19-556**	AC17872	3-1/8" ODF	**1399.00**

Copper Spring Loaded Check Valves

- Prevents backward flow through dryers, strainers, and other devices designed for directional flow
- Straight flow-through design yields high flow capacities for small diameter valve bodies
- Metal-to-metal seating — stainless steel to brass
- Corrosion resistant construction
- One piece body eliminates leaks
- Valves can be mounted in any position

Parker



Order #	Mfg. #	Conn. Size	Length	Diam.	Each
B13-724	CV4P-6FS-6FS	3/8" ODF	3-3/4"	1/2"	**69.00**
B13-725	CV5P-8FS-8FS	1/2" ODF	3-3/4"	5/8"	**75.00**
B13-726	CV7P-10FS-10FS	5/8" ODF	4-1/2"	7/8"	**145.00**

Order #	Mfg. #	Conn. Size	Length	Diam.	Each
B13-727	CV9P-14FS-14FS	7/8" ODF	4-1/2"	1-1/8"	**229.00**
B13-728	CV11P-18FS-18FS	1-1/8" ODF	5"	1-3/8"	**279.00**

In-Line Check Valves

- Hermetically sealed spun copper body
- Stainless steel disc and brass seat assembly
- Magnetic actuation
- 30 mesh screen protects seat surface from debris
- Minimal pressure drop

Superior Refrigeration Products



Order #	Mfg. #	Conn. Size	Max. Working Pressure	Each
B14-158	900MA-4S	1/4" ODF	800	**115.00**
B14-159	900MA-6S	3/8" ODF	800	**115.00**
B14-160	900MA-8S	1/2" ODF	640	**115.00**

Order #	Mfg. #	Conn. Size	Max. Working Pressure	Each
B14-161	900MA-10S	5/8" ODF	640	**115.00**
B14-163	900MA-14S	7/8" ODF	560	**259.00**

Cooler Thermometer



- Self-adhesive tabs for permanent mounting
- 1-1/2" diameter
- °F/°C scale

Order #	Mfg. #	Temp. Range	Each
H26-907	535-0-8J	-20°F to +120°F	**20.49**

Remote Vapor Tension Thermometers



A



B



C

- Recalibrateable
- Dual °F/°C scale
- 48" capillary
- Tin-plated bulb and capillary
- Polycarbonate lens/bezel

Fig.	Order #	Mfg. #	Diam.	Flange Type	Temp. Range	NSF Approval	Each
A	**B14-272**	6142-20-3J	2"	Front	-40°F to +60°F	Yes	**79.00**
A	**B14-275**	6142-13-3J	2"	Front	-40°F to +120°F	Yes	**105.00**
A	**B14-276**	6142-06-3J	2"	Front	+40°F to +240°F	Yes	**105.00**
B	**B14-273**	6642-06-3J	2"	Flange-less	-40°F to +60°F	No	**75.00**
C	**B14-274**	6812-01-3J	2"	Back	-40°F to +60°F	Yes	**105.00**
C	**B14-278**	6812-02-3J	2"	Back	-40°F to +120°F	No	**179.00**
A	**B14-277**	7112-01-3J	2.5"	Front	-40°F to +60°F	Yes	**95.00**

Remote Vapor Tension Thermometers



A



B



C

- Recalibrateable
- Dual °F/°C scale
- 48" capillary
- Tin-plated bulb and capillary
- Stainless steel case

Fig.	Order #	Mfg. #	Diam.	Flange Type	Temp. Range	NSF Approval	Each
A	**B14-283**	21FB-060	2"	Front	-40°F to +60°F	Yes	**89.00**
B	**B14-284**	21HL-060	2"	Flange-less	-40°F to +60°F	Yes	**89.00**
C	**B14-285**	20BB-060	2"	Back	-40°F to +60°F	Yes	**105.00**
A	**B14-286**	25FB-060	2.5"	Front	-40°F to +60°F	Yes	**95.00**
B	**B14-287**	25HL-060	2.5"	Flange-less	-40°F to +60°F	Yes	**99.00**
A	**B14-288**	45RB-060	4.5"	Front	-40°F to +60°F	Yes	**205.00**
C	**B14-289**	45BB-060	4.5"	Back	-40°F to +60°F	Yes	**195.00**

Sure Temp



- Glycol filled thermometer
- Assures attainment and maintenance of proper internal product temperature of frozen or cooled foods

Order #	Mfg. #	Temp. Range	Each
B13-598	ST1236-31	-40°F to +60°F	**85.00**

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Digital Thermometer

- Designed to hang or stand in refrigerator or freezer applications
- Accurate for life, no calibration necessary
- Large easy-to-read display
- Water-resistant with anti-microbial additive



Order #	Mfg. #	Range	Each
H27-420	2560J	-22°F to +122°F	**49.49**

Refrigeration Temperature Alarm

- For refrigerators, freezers or any temperature sensitive area
- When temperature rises or falls at the selected temperature, an alert light will flash for one hour, then an audible beeper is activated or the no delay setting causes **B11-769** to sound an immediate alarm
- Designed so a remote alarm (120VAC, 5A) may be connected
- Encapsulated sensor with 6' cord



Order #	Mfg. #	Range	Each
B11-769	TA2	-10°F to +80°F	**245.00**

Winter Watchman

- Used as a freeze warning device
- Turns on household lamp when temperature is below setpoint
- Plugs directly into wall outlet and lamp plugs into the unit

Specifications:
- Switch action: SPST
- Electrical rating: 120W maximum for incandescent lamp load only
- Operating range: 30°F to 60°F, adjustable
- Dimensions: 3-3/8" x 2-1/8" W x 13/16" D



Order #	Mfg. #	Each
L39-735	S483B1002	**139.00**

Mechanical Temperature Controls

- For applications requiring single-stage and two-stage control of heating, ventilation, air conditioning, and refrigeration equipment (**L38-861** is a two-stage control)
- Universal shaft kit for concealed knob or slotted shaft applications
- **L36-931**, **L38-684**, **L36-932**, **L39-483** and **L39-484** have field adjustable differentials; **L38-861** is field adjustable at 5°F per stage, 2 to 7°F adjustable between stages; **L39-485**, **L39-486** and **L39-487** are manual reset; **L39-480** and **L39-488** have a fixed differential of 3-1/5°F
- **L36-931**, **L38-684** and **L39-480** are remote bulb thermostats
- **L36-932** and **L39-488** are space thermostats for walk-in coolers, ventilating, cooling or similar applications, have stainless steel element for greater accuracy and durability
- 120VAC: maximum full load 16A; maximum locked rotor 96A; maximum resistive load 22A (**L38-861**, 16A); maximum pilot duty 125VA
- 120VAC: maximum full load 6A; maximum locked rotor 36A, maximum resistive load 10A (**L39-480**, 6A); maximum pilot duty 125VA
- 240VAC: maximum full load 8A; maximum locked rotor 48A; maximum resistive load 22A (**L38-861**, 8A); maximum pilot duty 125VA



A



B



C



D

Fig.	Order #	Mfg. #	Sensing Element	Temp. Range	Switch Action	Diff.	Each
A	**L36-931**	A19ABC-24C	8' Remote (3/8" x 4")	-30°F to +100°F	SPDT	3° to 12°	**219.00**
B	**L38-684**	A19ABA-40C	6' Remote (3/8" x 4")	-30°F to +100°F	SPST	3° to 12°	**195.00**
B	**L39-480**	A19AAF-12C	10' Remote (3/8" x 3")	25°F to 225°F	SPDT	Fixed 3-1/2°	**395.00**
B	**L39-483**	A19ABC-36C	20' Remote (3/8" x 4")	-30°F to +100°F	SPDT	3° to 12°	**399.00**
B	**L39-484**	A19ABC-4C	8' Remote (3/8" x 5")	50°F to 130°F	SPDT	3-1/2° to 14°	**385.00**
B	**L39-485**	A19ACA-14C	6' Remote	-30°F to +100°F	SPST	Manual Reset	**355.00**
B	**L39-486**	A19ACA-15C	10' Remote	-30°F to +100°F	SPST	Manual Reset	**379.00**
C	**L36-932**	A19BBC-2	Coiled Air (1-3/8" x 2-1/4")	-30°F to +100°F	SPDT	3° to 12°	**315.00**
C	**L39-488**	A19BAC-1C	Coiled Air (1 3/8" x 2 1/4")	30°F to 110°F	SPDT	Fixed 3-1/2°	**305.00**

continued on next page

Fig.	Order #	Mfg. #	Sensing Element	Temp. Range	Switch Action	Diff.	Each
D	**L38-861**	A28AA-29C	8' Remote (3/8" x 4")	-30°F to +100°F	2 SPDT	5°/Stage	**645.00**
D	**L39-487**	A19ADB-1C	6' Remote	100°F to 240°F	SPST	Manual Reset	**355.00**

RANCO

Mechanical Temperature Controls



A



B



C

- For use on self-contained refrigerators, freezers and coolers, walk-in units, refrigeration display cases and condenser fans
- SPST switch opens low
- 120/240VAC — 24 FLA maximum; 144 LRA maximum; resistive load 24A
- Pilot duty: 720VA maximum
- **B10-515** thru **B10-517** have remote bulb length of 3/8" x 1-1/2

Fig.	Order #	Mfg. #	Sensing Element	Temp. Range	Diff.	Each
A	**B10-515**	O10-1408	72" Cap. Remote Bulb	-15°F to +40°F	3°F to 20°F Adj.	**285.00**
A	**B10-516**	O10-1409	72" Cap. Remote Bulb	0 to +55°F	3°F to 20°F Adj.	**255.00**
A	**B10-517**	O10-1410	72" Cap. Remote Bulb	25°F to 75°F	3°F to 20°F Adj.	**289.00**
B	**B10-521**	O10-1418	Air Coil	0 to +55°F	3°F to 20°F Adj.	**269.00**
C	**B10-520**	O10-1416	72" Cap.	0 to +55°F	3°F to 20°F Adj.	**305.00**

RANCO

Mechanical Temperature Control



- Wide temperature and differential range
- SPST switch, opens low
- Cross ambient bulb
- Well suited for a broad range of commercial refrigeration applications
- 120/240VAC – 17 FLA maximum; 102 LRA maximum
- Pilot duty: 720VA maximum

Order #	Mfg. #	Sensing Element	Temp. Range	Switch Action	Diff.	Each
B13-241	O60-109	96" Cap. w/Bulb	-20°F to +70°F	SPST	3.5°F to 35°F Adj.	**205.00**

RANCO

Mechanical Temperature Controls



- Wide temperature and differential range
- Suitable for return air or space temperature sensing, defrost termination, fan delay and evaporator coil sensing
- Non-position-sensitive bulb
- SPDT for close-or-open-on rise applications
- Can also be used for most heating and industrial applications
- 120/240VAC – 17 FLA maximum, 102 LRA maximum, resistive load 24A
- Pilot duty: 720VA maximum

Order #	Mfg. #	Sensing Element	Temp. Range	Diff.	Each
B11-272	O60-100	96" Cap. w/Bulb	-35°F to +95°F	3.5°F to 50°F Adj.	**239.00**
B11-273	O60-101	Air Coil	-35°F to +95°F	3.5°F to 50°F Adj.	**245.00**
B11-274	O60-200	96" Cap. w/Bulb	95°F to 240°F	6.0°F to 50°F Adj.	**305.00**

Honeywell

Mechanical Temperature Controls



- Wide-range controller for applications where remote mounting of sensing element is required
- Controls temperature in duct, tank, freezer or cooler
- 8' remote bulb can be directly immersed in the controlled medium
- Ambient temperature compensation
- Case has top and bottom knockouts
- Easy-to-wire screw terminals
- **B10-843** includes bulb holder and mounting plate

Order #	Mfg. #	Temp. Range	Switch Action	Diff.	Each
L37-559	T4031A1073	-30°F to +90°F	SPST	3.5°F to 12°F	**355.00**
B10-843	T6031A1029	-30°F to +90°F	SPDT	3.5°F to 16°F	**415.00**
B14-303	T6031A1136	-30°F to +90°F	SPDT	3.5°F to 16°F	**355.00**

Hazardous Material Shipping Alert

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Changeover Temperature Controller

Honeywell

- Ambient temperature compensated, high-limit controllers for agriculture and industrial applications
- Suitable for line-voltage, low voltage, or millivolt (powerpile) control of bulk milk tanks, beverage dispensing machines, ice cube machines, dishwashers and similar applications
- One SPDT relay output
- Includes 107324A duct bulb holder
- Immersion well available separately (**L37-828** or **L37-829**)
- Electrical rating: 120/240VAC, 50/60 Hz
- Bulb size: 3/8" x 2-7/8"



Order #	Mfg. #	Sensing Element	Temp. Range	Max. Operating Temp.	Diff.	Each
B14-304	T6031C1009	5.5 Ft.	40°F to 180°F	205°F	2°F	**599.00**

Electrical Ratings

	120V	240V
Full Load	8A	5.1A

	120V	240V
Locked Rotor	48A	30.6A

Remote Bulb Temperature Controllers

Honeywell

- Remote bulb thermostats regulate temperature of air or liquids
- Suitable for applications requiring temperature control of air or liquids where controller must be placed outside the sensing area
- Typical uses include control of dampers and valves in heating, cooling and heating-cooling systems
- Voltage input: 120/240/277VAC, 50/60 Hz
- All models except **L40-061** include 107324A duct bulb holder
- Switch action: **L40-061**, **L40-062**, **L40-063**, **L40-064** and **L40-065**: one SPDT; **L40-066** and **L40-067**: two SPDT switches in sequence
- Bulb size: 1/2" x 3-9/16" on **L40-061** and **L40-064**; 1/2" x 4-3/16" on **L40-062**, **L40-063**, **L40-065**, **L40-066** and **L40-067**



Order #	Mfg. #	Sensing Element	Temp. Range	Max. Operating Temp.	Diff.	Each
L40-061	T675A1425	20'	55°F to 175°F	200°F	3.6°F to 12°F	**735.00**
L40-062	T675A1508	5'	0°F to 100°F	125°F	3°F to 10°F	**655.00**
L40-063	T675A1516	5'	0°F to 100°F	125°F	1°F Fixed	**639.00**
L40-064	T675A1540	5'	55°F to 175°F	200°F	3.6°F to 12°F	**679.00**
L40-065	T675A1565	20'	0°F to 100°F	125°F	3°F to 10°F	**759.00**
L40-066	T678A1015	20'	0°F to 100°F	125°F	Interstage: 3°F to 1°F Adj., Switch 3°F Fixed	**1045.00**
L40-067	T678A1437	5'	0°F to 100°F	125°F	Interstage: 3°F to 10°F Adj., Switch 3°F Fixed	**885.00**

Electrical Ratings

	120V	240V	277V
Full Load	8A	5.1A	4.2A

	120V	240V	277V
Locked Rotor	48A	30.6A	25.2A

Mechanical Temperature Controls

WHITE-RODGERS

- Hydraulic action element, ambient compensated
- Adjustable differential
- Dust-proof steel case
- High electrical ratings allow operation of most equipment without use of relays or motor starters
- Easy-to-wire screw terminals
- Case has top and bottom knockouts
- Mounting clamp included with all models
- Bulb size: 3/8"



Order #	Mfg. #	Sensing Element	Temp. Range	Switch Action	Diff.	Each
B10-821	1609-101	5'	-30°F to +90°F	Close-on-Rise	3.5°F to 40°F Adj.	**165.00**
B10-827	1609-90	8'	-20°F to +50°F	Close-on-Rise	3.0°F to 25°F Adj.	**209.00**
B10-823	1609-103	10'	-30°F to +90°F	Close-on-Rise	3.5°F to 40°F Adj.	**199.00**
B10-824	1609-104	20'	-30°F to +90°F	Close-on-Rise	3.5°F to 40°F Adj.	**249.00**
B14-142	1687-9	8'	-30°F to +90°F	SPDT	4.5°F to 40°F Adj.	**209.00**

UNIVERSAL PARTS

WHITE-RODGERS



UNIVERSAL PARTS

Mechanical Temperature Control

- Large adjustment knob for applications where frequent changes in temperature settings are necessary
- Dust-proof steel case with top and bottom knockouts
- Mounting clamp included
- High electrical rating allows operation of most equipment without use of relays or motor starters
- Hydraulic action element — ambient compensated
- Bulb size: 5-3/4" x 3/8"

Order #	Mfg. #	Sensing Element	Temp. Range	Switch Action	Diff.	Each
B10-825	1609-105	5'	-30°F to +90°F	Close-On-Rise	3°F to 40°F Adj.	**185.00**

WHITE-RODGERS



UNIVERSAL PARTS

Ice Maker Temperature Control

- Maintains desired ice level on bin type ice making machines
- Nickel plated sensing bulb meets sanitary requirements
- Control starts and stops operation to maintain desired level of ice
- Hydraulic action element — leveling not required
- Dust-proof steel case with top and bottom knockouts
- Bulb size: 7-1/4" x 3/8"

Order #	Mfg. #	Sensing Element	Temp. Range	Switch Action	Diff.	Each
B10-828	1609-94	6'	35°F to 57°F	Close-on-Rise	3°F to 20°F Adj.	**189.00**

RANCO



Electronic Temperature Controls

- Digital display allows for simple and accurate setting
- Displays sensor temperature when not in program mode
- Wide temperature range (-30°F to +220°F) and differential adjustment (1°F to 30°F)
- User selectable heating/cooling modes for wide application use
- Capable of remote temperature sensing up to 400'
- Keypad lockout switch to prevent tampering
- Replaces most electromechanical and electronic temperature controls
- **L38-382**, **L38-383** and **L38-385** are single-stage; **L38-386**, **L38-714** and **L38-715** are two-stage

Specifications:
- Switch action: SPDT
- Includes thermistor sensor, 2" x 0.25" with 8' cable
- Relay output rating: N.O. contact 16A @ 120VAC, N.C. contact 5.8A @ 120VAC
- Dimensions: 6.52" H x 2.7" W x 2.48" D

Order #	Mfg. #	Description	Volts	Each
L38-383	ETC112000	NEMA 1 Enclosure Digital Temperature Control	24	**309.00**
L38-382	ETC111000	NEMA 1 Enclosure Digital Temperature Control	120/240	**259.00**
L38-385	ETC141000	NEMA 4X Enclosure Digital Temperature Control	120/208/240	**439.00**
L38-714	ETC211000	NEMA 1 Enclosure Digital Temperature Control	120/240	**415.00**
L38-715	ETC212000	NEMA 1 Enclosure Digital Temperature Control	24	**515.00**
L38-386	ETC241000	NEMA 4X Enclosure Digital Temperature Control	120/208/240	**395.00**

RANCO



Temperature Sensor

- For use with Ranco ETC family
- Can be used for air, duct or spot sensing; can also be used in bulb wells for immersion applications
- Multiple sensors can be wired in a series/parallel arrangement for sensing average temperature
- For each number of sensors wired in series, an equal number must be wired in parallel

Order #	Mfg. #	Description	Each
B14-250	1309007-044	ETC Temperature Sensor	**85.00**

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Electronic Refrigeration Controls

RANCO

- Microprocessor-based controller designed to manage all of the temperature and defrost functions in a piece of commercial equipment
- Can replace up to five different controls: the case thermostat, defrost timer, defrost termination switch, fan delay switch and thermometer
- NSF Approved temperature sensors for the case and evaporator
- Features 4 powerful relay outputs; one for the compressor, fan, defrost and alarm
- Selectable line voltage input power (120/208/240VAC at 50/60 Hz) enable it to handle a wide range of equipment
- Set point range: -40°F to +60°F
- Defrost cycles: **G32-702** 1 to 8 per day or 1 every 48 hours; **G32-703** 2 to 8 per day or 1 every 48 hours
- Temperature sensor: NTC Thermistor



Order #	Mfg. #	Description	Volts	Each
G32-702	ERC2-212111-370	NEMA 1 Case w/Integrated Display	120/208/240	**855.00**
G32-703	ERC2-222111-370	NEMA 1 Case w/Remote Display	120/208/240	**845.00**

Full Gauge Digital Controllers

RANCO

- Digital refrigeration controllers
- 120/240 Dual Voltage
- Cooler & freezer applications include walk-in, reach-in, prep-table, rack system, beverage cooler, and more



Order #	Mfg. #	Description	Volts	Each
B22-044	MT-512EL-2HP	Digital Controller and Indicator with Natural Defrost through Compressor Shutdown	12/24V	**219.00**
B22-045	MT-512E-2HP	NTC probe Digital Controller for Medium and High Temp Applications – one sensor included	120/240V	**219.00**
B22-046	MT-512E-LOG	Digital Controller for Medium and High Temp Applications + Sitrad + Datalogger with 1 sensor probe	120/240V	**309.00**
B22-047	MT-530E-SUPER	Humidity and Temperature Controller with Serial Communication	120/240V	**555.00**
B22-048	TC-900E-2HP	NTC Probe Freezer Controller with three relay outputs and two temperature sensors (Comp. / Fans/ Defrost)	120/240V	**369.00**
B22-049	TC-900E-LOG	NTC probe Freezer Controller with three relay outputs, two sensors, two digital inputs, Buzzer,Normal and economy setpoint modes and built-in datalloger + Sitrad	120/240V	**405.00**
B22-053	PCT-100E	Single stage pressure control	—	**319.00**
B22-054	PCT-120E	Dual stage pressure control	—	**509.00**

PENN TC Series Controls

Johnson Controls

- Easy to program microprocessor-based controllers with touch keys and large LED display
- Manage active or passive defrost, evaporator fan, alarm buzzer, and case lighting—all with one device
- Designed for panel mounting with included snap-in brackets
- Use industry-standard NTC temperature sensors with your choice of IP ratings and cable lengths
- Available with built-in or external RS485 Modbus communications



Order #	Mfg. #	Description	Volts	Each
B87-835	TC3X21N7V-000C	Reduced Depth Medium Temperature Control	115	**265.00**
B87-836	TC3X21N5V-000C	Reduced Depth Medium Temperature Control	230	**265.00**
B87-837	TC3B23N5V-000C	Low Temperature Control	115	**385.00**
B87-838	TC3B23N7V-000C	Low Temperature Control	230	**385.00**
B87-839	TC3224N9R-000C	Low and Medium Temperature Control	115/230	**415.00**
B87-840	TC3223N5V-000C	Low and Medium Temperature Control	115	**405.00**
B87-841	TC3222N5V-000C	Medium Temperature Control	115	**385.00**
B87-842	TC3221N5V-000C	Medium Temperature Control	115	**305.00**

Full Gauge Accessories

RANCO

- Accessories for Full Gauge Digital Controllers



Order #	Mfg. #	Description	Each
B22-042	CONV32	Serial Interface	**229.00**
B22-043	TCP-485-WIFI-LOG	Serial Converter transforms to ethernet signal WiFi	**535.00**
B22-050	EasyProg	NTC Sensor Probe	**269.00**
B22-051	SB-70	—	**59.00**
B22-052	E-CASE	Rear Protective Case	**55.00**
B22-055	SB-69-200A	Pressure Transducer	**509.00**
B22-056	SB-69-500A	Pressure Transducer	**509.00**
B22-057	SitradInbox	Server and Gateway for SITRAD compatible controllers	**1299.00**
B22-058	GB-01	Enclosure for Digital Control	**129.00**
B22-059	FGMP203545	Mounting Front Plate	**69.00**

PENN TC Series Accessories

- Sensors and accessories for use with TC Series controllers



A



B



C

Fig.	Order #	Mfg. #	Description	Each
A	**B22-406**	TC3KEY	TC Programming Key	**325.00**
B	**B22-407**	TCIF22TSX	TTL to Modbus Adapter	**285.00**
C	**B87-843**	EVTPN615F200-1C	IP67 Sensor 1.5M cable	**38.49**
C	**B87-844**	EVTPN630F200-1C	IP67 Sensor 3M cable	**48.49**
C	**B87-845**	EVTPNW15F200-1C	IP68 Sensor 1.5M cable	**59.00**
C	**B87-846**	EVTPNW30F200-1C	IP68 Sensor 3M cable	**75.00**

Universal XR Temperature Controls



- Replaces the functions of a mechanical thermostat, defrost time clock, fan control and alarm in one control
- Select from seven pre-set programs based on application with easy 4-step setup
- Replaces 20 different controls in the field
- Fully programmable to meet all warming, medium and low temperature applications
- UL and NSF listed
- Includes two temperature probes

Specifications:

- Operating temperature: +32°F to +140°F; Storage temperature: -22°F to +185°F
- Relative humidity: 20 to 85% (no condensing)
- Measuring and regulation range: NTC probe -40°F to +230°F
- Relay outputs: Compressor, SPST 16FLA/96LRA, 250VAC
- Defrost: SPDT 10A, 250VAC; Fan: SPST 5A

Order #	Mfg. #	Description	Each
E04-840	XR60CX-4N1F1-UR	Temperature Control 120V	**525.00**
E04-841	XR60CX-5N1F1-UR	Temperature Control 230V	**529.00**
E04-842	XR60CX-AN1F1-UR-12/24VA	Temperature Control 12/24V	**529.00**

Electronic Temperature Controls



A



B

- Replacement for A419 Series Temperature Controls
- Reliable electronic accuracy with adjustable, backlit display of current sensor temperature and other functions
- Customizable display brightness for any desired conditions making it easy to read in dark environments
- Sensor compensation adjustment for longer sensor leads, provides for greater temperature control accuracy
- Indexed programming, control automatically prompts for next programmable input
- High/low temperature stops, restricts temperature adjustments to desired range

Specifications:

- Setpoint range: -30°F to +212°F
- Differential range: 1°F to 30°F
- Switching: SPDT

Fig.	Order #	Mfg. #	Description	Volts	Each
A	**L47-814**	A421ABC-02C	Electronic Temp Controller (NEMA 1 Enclosure)	120/208/240	**255.00**
A	**L47-815**	A421AEC-01C	Electronic Temp Controller (NEMA 4x Enclosure)	120/208/240	**379.00**
A	**L47-816**	A421AEC-02C	Electronic Temp Controller (NEMA 4x Enclosure)	120/208/240	**419.00**
A	**L47-817**	A421GBF-02C	Electronic Temp Controller (NEMA 1 Enclosure)	24	**259.00**
A	**L47-818**	A421GEF-01C	Electronic Temp Controller (NEMA 4x Enclosure)	24	**409.00**
A	**L47-819**	A421ABD-02C	Electronic Temp Controller w/off Cycle Defrost Timer (NEMA 1 Enclosure)	120/208/240	**269.00**
A	**L47-820**	A421AED-01C	Electronic Temp Controller w/off Cycle Defrost Timer (NEMA 4X Enclosure)	120/208/240	**409.00**
A	**L47-821**	A421AED-02C	Electronic Temp Controller w/off Cycle Defrost Timer (NEMA 4X Enclosure)	120/208/240	**429.00**
A	**L47-822**	A421ABG-02C	Electronic Temp Controller Prewired w/2 Power Cords (NEMA 1 Enclosure)	120/208/240	**355.00**
A	**L47-823**	A421ABT-02C	Electronic Temp Controller w/Cycle Timer (NEMA 1 Enclosure)	120/208/240	**325.00**
A	**L47-824**	A421AET-01C	Electronic Temp Controller w/Cycle Timer (NEMA 4X Enclosure)	120/208/240	**409.00**
B	**L41-795**	WEL11A-601R	Immersion Well	—	**199.00**
B	**L38-717**	A99BB-200C	Sensor (6-1/2' Cable)	—	**99.00**

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System 450™ Control and Expansion Modules

Johnson Controls

- Up to three inputs (temperature, humidity and/or pressure) per control module provide flexibility and reduce the number of controls required
- A99 Series temperature sensors
- HE-67S3 humidity sensors
- P499 ratiometric transducers
- Backlit LCD built into the main control module, no need to order a separate display
- Up to ten stages of control
- Single and dual output modules
- A total of nine System 450 modules will replace 80 System 350™ modules, fewer parts to order and stock
- **L47-333** provides Ethernet/Internet connectivity for remote access; **L47-334** provides network communication with equipment/BAS utilizing the Modbus protocol

Specifications:

- Range:-40° to 250°F; 10 to 95% RH; 0 to 750 PSI
- Diff: 1° to 30°F; 2 to 10% RH; 2 to 50 PSI or 10 to 100 PSI



Order #	Mfg. #	Description	Switch Action	Each
L44-826	C450CCN-4C	Control Module 2 Relay	SPDT	**519.00**
L45-649	C450RBN-3C	Reset Module 1 Relay	SPDT	**545.00**
L45-650	C450RCN-3C	Reset Module 2 Relay	SPDT	**729.00**
L44-827	C450SBN-4C	Expansion Module 1Relay	SPDT	**239.00**
L44-828	C450SCN-4C	Expansion Module 2 Relay	SPDT	**385.00**
L45-651	C450SQN-4C	Expansion Module 1 Analog	Analog Out	**499.00**
L45-652	C450SPN-4C	Expansion Module 2 Analog	Analog Out	**225.00**

Order #	Mfg. #	Description	Switch Action	Each
L44-829	C450YNN-1C	Power Module	None	**149.00**
L45-647	C450CPN-4C	Control Module 1 Analog	Analog Out	**419.00**
L45-648	C450CQN-4C	Control Module 2 Analog	Analog Out	**485.00**
L47-333	C450CEN-1C	Control Module with RJ45 Ethernet Network Port	None	**895.00**
L47-334	C450CRN-1C	Control Module with RJ45 Modbus Network Port	None	**1045.00**

Electronic Remote Temperature Controllers

Honeywell

- Provides on/off, modulating or reset control in applications where electronic accuracy and remote sensing is desired
- Available with analog outputs (0-10VDC, 2 to 10VDC, 4 to 20mA or Series 90 selectable)
- Internal time clock scheduler allows for energy savings during unoccupied periods without the need for a separate time clock

L43-812 is a stage sequencing model that allows configuration of up to 12 relay outputs with one or two setpoints using **L43-814** relay expansion modules

- **L43-813** is a universal model that uses 0 to 10VDC or 4 to 20mA sensor input to control pressure, humidity, temperature



Order #	Mfg. #	Description	Relay Outputs	Sensors Inputs	Each
Temperature Controls					
L43-796	T775A2009	Standard	1 SPDT	1	**525.00**
L43-797	T775B2016	Standard - NEMA 4X	2 SPDT	2	**1045.00**
L43-798	T775B2032	Standard	2 SPDT	2	**849.00**
L43-799	T775B2024	Standard - NEMA 4X	4 SPDT	2	**1299.00**
L43-800	T775B2040	Standard	4 SPDT	2	**1245.00**
L43-801	T775M2006	Modulating	None (1 or 2 Analog)	2	**639.00**
L43-802	T775M2022	Modulating - NEMA 4X	2 SPDT (1 or 2 Analog)	2	**1245.00**
L43-803	T775M2048	Modulating	2 SPDT (1 or 2 Analog)	2	**1045.00**
L43-804	T775M2014	Modulating - NEMA 4X	4 SPDT (1 or 2 Analog)	2	**1745.00**
L43-805	T775M2030	Modulating	4 SPDT (2 Analog)	2	**1499.00**
L43-806	T775R2035	Reset Option	2 SPDT	2	**1045.00**
L43-807	T775R2043	Reset Option	None (2 Analog)	2	**1045.00**
L43-808	T775R2027	Reset Option	2 SPDT (2 Analog)	2	**1199.00**
L43-809	T775R2001	Reset Option	4 SPDT	2	**1345.00**
L43-810	T775R2019	Reset Option	4 SPDT (2 Analog)	2	**1445.00**
L43-812	T775L2007	Stage Sequencer with Reset	4 SPDT	2	**1245.00**
L43-813	T775U2006	Universal	2 SPDT (2 Analog)	2	**1145.00**
L43-814	T775S2008	Relay Expansion Module	4 SPDT	—	**355.00**
Sensors					
L46-223	50021579-001	Standard Temperature Sensor	—	—	**195.00**
L46-224	T775-SENS-OAT	Outdoor Air Temperature Sensor	—	—	**209.00**
L46-225	T775-SENS-STRAP	Strap On Sensor	—	—	**185.00**
L46-226	T775-SENS-WR	Water-resistant Temperature Sensor	—	—	**229.00**
L46-227	T775-SENS-WT	Water-tight Temperature Sensor	—	—	**289.00**

Universal Electronic Temperature Control

WHITE-RODGERS

- Multiple input voltages (24/120/208/240VAC)
- No common wire required: saves 30–60 min. when upgrading a mechanical control
- Wide set-point temperature range (-40°F to 220°F) and adjustable differential settings
- Electronic temperature accuracy
- Alarm output (with selectable delay — up to 99 min.)
- Adjustable anti-short cycle delay
- Setpoint locking function



Order #	Mfg. #	Description	Volts	Each
B17-321	16E09-101	Electronic Temperature Control	24/120/208/240	**215.00**

System 350™ Series ON/OFF Temperature Control Modules



- Used in conjunction with the A99B temperature sensors; base silicon sensor #A99BC-25C (not immersible) included
- **L39-489** is a proportional plus integral temperature control module; **L37-526** is an electronic on/off temperature control
- Remote sensing capability up to 800'
- For use with S350 Stage, D350 Display and Y350R Power Modules
- Supply voltage: 20 to 30VAC transformer or Y350R 120/240VAC Power Module

Order #	Mfg. #	Switch Action	Range	Diff.	Each
L37-526	A350AA-1C	SPDT	-30°F to +130°F	1° to 30°F	**465.00**
L39-489	A350PS-1C	Proportional	-30°F to +130°F	2° to 30°F	**1045.00**

System 350™ Series Temperature Stage Module



- For use with A350, A350E, A350P and A350R series modules to add multiple heating or cooling stage capability (room for up to nine additional stages)
- Supply voltage: 24V power supply provided by A350 or Y350R

Order #	Mfg. #	Switch Action	Diff.	Each
L37-527	S350AA-1C	SPDT	1° to 30°F	**299.00**

System 350™ Series Digital Temperature Display Module



- 3-Digit LCD display provides continuous actual space temperature indication (local or remote) when used with A350, A350E, A350P and A350R modules
- Supply voltage: 5VDC provided by the temperature control

Order #	Mfg. #	Range	Each
L37-528	D350AA-1C	-30°F to +250°F	**619.00**

System 350™ Series Power Module



- Provides unfiltered 24VDC power to System 350™ Controls
- Input voltage: 120/240VAC, 50/60 Hz

Order #	Mfg. #	Each
L37-529	Y350R-1C	**295.00**

System 350™ Series Electronic Temperature Reset Control



- Designed to raise or lower temperature of supply water or air based on proportionate rise or drop in temperature at the master sensor
- Use as a stand alone device or with plug-in accessory modules
- A99BC-25C Master and A99BB-300C Supply sensors included
- Adjustable master reset set-point (40°F to 70°F), minimum relay on-time selection (jumper selectable: OFF, 1, 2 or 3 minute), adjustable minimum (50°F to 160°F) and maximum (160°F to 220°F) supply temperature and selectable warm weather shutdown temperature (jumper selectable: OFF, 60, 64, 68 or 72°F)

Order #	Mfg. #	Switch Action	Each
L37-852	A350RS-1C	SPST, N.O.	**1199.00**

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System 350™ Series Electronic ON/OFF Humidity Modules

Johnson Controls

- Used in conjunction with the HE-67S3-0N0BT or HE-67S3-0N00P series of humidity transmitters to stage humidification and dehumidification
- For use with S351 Stage, D351 Display and Y350R Power Modules
- Supply voltage: 20 to 30VAC transformer or Y350R 120/140VAC Power Module
- **L37-854** does not come with a sensor
- **L44-523** is factory-equipped with HE-67S3-0N00P duct mount sensor
- **L41-797** used to add multiple staging capability, up to 5 stages (requires **L37-529** power module)



Order #	Mfg. #	Switch Action	Range	Diff.	Each
L37-854	W351AB-2C	SPDT	10 to 90% RH	2 to 10% RH	**579.00**
L44-523	W351AA-2C	SPDT	10 to 90% RH	2 to 10% RH	**1945.00**
L41-797	S351AA-1C	SPDT	10 to 90% RH	2 to 10% RH	**475.00**

System 350™ Series Digital Display Module

Johnson Controls

- For use with W351 humidity module
- 3-Digit LCD display provides continuous actual space humidity and setpoint sensed by HE-67S3-0N0BT or HE-67S3-0N00P humidity transmitter (order sensors separately)
- Supply voltage: 12VDC provided by the W351 Humidity Control



Order #	Mfg. #	Range	Each
L37-855	D351AA-1C	10 to 90% RH	**669.00**

System 350™ Series Humidity Transmitter with Sensors

Johnson Controls

- All-Polymer™ humidity transmitters with planar silicone temperature sensors
- For use with W351 humidity and D351 digital display modules, as well as other applications with an output signal of 0-10VDC or 0-5VDC, 1,000 ohm maximum load



Order #	Mfg. #	Switch Action	Range	Each
L38-955	HE-69S30NP-0	Duct Mount	0 to 100% RH	**729.00**

Special Application Temperature Controls

RANCO

- 120/240VAC — 17 FLA, 102 LRA; maximum resistive load 24A; maximum pilot duty 720VA
- **B11-722** Bulk Milk Control is suitable for chillers and any close-differential applications which require close adjustment
- **B11-723** Soft Ice Cream Machine is suitable for soft ice cream, slush ice and yogurt machine applications; features 72" capillary tube



A



B

Fig.	Order #	Mfg. #	Temp. Range	Switch Action	Diff.	Each
A	**B11-722**	O16-601	22.5 to 47.5	SPDT	1.5°F Fixed	**375.00**
B	**B11-723**	O16-588	-15.0 to +40.0	SPDT	1.5°F Fixed	**375.00**

Ice Bank Control

RANCO

- Controls the ice bank inside milk coolers or any refrigerating cabinet that cools by means of an ice bank
- Suitable for soft drink dispensers, vending machines and ice builders for thermal storage
- Cut-in over 32°F, cut-out under 32°F
- 120/240VAC — 24 FLA, 144 LRA; maximum resistive load 24A; maximum pilot duty 720VA



Order #	Mfg. #	Sensing Element	Switch Action	Range	Diff.	Each
B11-253	O18-100	76" Cap. w/Bulb	SPST	Fixed	1/8" Ice Thick-ness	**335.00**

Adaptable Replacement Refrigeration Controls

ARANCO



- Compact for nearly all commercial refrigerators and freezers
- Break-off shafts are included with instructions
- Controls have OFF position except **B10-327** and **B10-387**
- **B10-327** is not UL listed
- **B10-327**, **B10-387**: 120/240VAC — maximum 20 FLA; maximum 80 LRA; maximum resistive load 25A; maximum pilot duty 500VA
- **B10-359**, **B10-360**, **B10-361**, **B13-239**, **B13-240**, **B13-289**: 120/240VAC — maximum 20 FLA; maximum 80 LRA; maximum pilot duty 240VA

Order #	Mfg. #	Sensing Element	Normal On Temp.	Normal Off Temp.	Cold On Temp.	Cold Off Temp.	Warm On Temp.	Switch Action	Diff.	Each
B10-327	A22-391	66"	32.0°F	27.0°F	19.0°F	11.0°F	51.0°F	SPDT	8.0°F	**265.00**
B10-387	A22-1112	72"	—	—	30.0°F	25.0°F	44.0°F	SPST	5.0°F	**215.00**
B10-359	A30-260	72"	22.0°F	16.0°F	5.5°F	0.5°F	30.0°F	SPST	6.0°F	**225.00**
B10-360	A30-261	84"	—	—	38.0°F	32.0°F	61.0°F	SPST	6.0°F	**199.00**
B10-361	A30-262	84"	32.0°F	20.0°F	15.0°F	3.0°F	43.0°F	SPST	12.0°F	**199.00**
B13-289	A30-263	72"	33.5°F	11.0°F	5.5°F	0.5°F	47.0°F	SPST	22.5°F	**199.00**
B13-239	A30-301	84"	5.5°F	-3.0°F	—	-24.0°F	20.5°F	SPST	8.5°F	**195.00**
B13-240	A30-2210	48"	40.0°F	32.0°F	—	30.0°F	42.0°F	SPST	8.0°F	**199.00**
B14-251	A30-180	42"	22.0° F	9.0° F	-4.0°F	—	38.0° F	SPST	13.0°F	**199.00**

Low Temperature Cut-Out (Freeze-Stat)

Johnson Controls



- Provides monitoring of the face temperature of evaporator coils for freeze protection
- Snap-acting SPST switch
- External temperature scale
- Easy setpoint adjustment
- Galvanized mounting brackets and cover

Specifications:
- Switch action: SPST open low
- Range: 35°F to 45°F
- Bulb and capillary: 20' 1/8" tubing, 4' capillary

Order #	Mfg. #	Switch Action	Diff.	Each
B13-348	A11A-1C	SPST	Manual Reset	**385.00**
B13-650	A11B-1C	SPST	8°F	**415.00**

Special Application Temperature Controls

Johnson Controls



A



B

- Used for energizing an indicator light after a low temperature cutout
- Special 4-wire 2-circuit switch action with isolated contacts
- Long-life, snap-acting contacts
- Contacts designed so that when main contact opens, auxiliary contact closes
- Line—M2 (main): 120VAC; maximum full load: 16A; maximum locked rotor: 96A
- **L39-490** and **L39-491** have 20' bulb
- **L39-492** has remote bulb with 6' capillary

Fig.	Order #	Mfg. #	Switch Action	Range	Diff.	Each
A	**L39-490**	A70GA-1C	SPST Open Low	15°F to 55°F	5°F	**755.00**
A	**L39-491**	A70HA-1C	SPST Open Low	15°F to 55°F	Manual Reset	**445.00**
B	**L39-492**	A70HA-2C	SPST Open Low	35°F to 80°F	Manual Reset	**605.00**

Cooling Tower or Evaporative Condenser Control

Johnson Controls



- For control of cooling tower fans
- Heavy-duty DPST contacts
- Neoprene coated sensing elements
- 6' capillary
- 11/16" x 6-3/4" bulb

Order #	Mfg. #	Switch Action	Range	Diff.	Each
L39-493	A72AE-1C	DPST	25°F to 90°F	4°F to 25°F	**869.00**

Limit Controls

Honeywell



- Used to limit temperature in air conditioning or refrigeration systems
- Dual Fahrenheit and Celsius scaleplate
- Enclosed snap switch is dust and moisture proof for trouble-free operation

Specifications:
- Ambient temperature range: 20°F to 125°F
- Differential: 10°F, fixed
- **B13-315** includes manual reset

Order #	Mfg. #	Sensing Element	Temp. Range	Switch Action	Each
B13-315	L480G1044	20'	20°F to 60°F	SPST	**899.00**
B14-302	L480B1239	20'	20°F to 60°F	SPDT	**795.00**

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Low Limit Controller-Freeze Stat

Honeywell

- Used to limit or control temperature in air conditioning systems or refrigerated enclosures
- Applications include freezer cabinets, display cases, beverage coolers, milk cooling tanks and air conditioners
- Special applications include use as frost alarm where frost would damage equipment or crops.
- Dual Fahrenheit and Celsius scaleplate
- Enclosed dust and moisture resistant snap switch for trouble-free operation

Specifications:
- Differential: 10°F
- Dimensions: 3-29/32" H x 4-11/16" W x 2-3/32" D
- Pilot duty: 125VA at 120/240VAC
- Includes manual reset



Order #	Mfg. #	Sensing Element	Temp. Range	Switch Action	Each
B14-345	L482A1004	20'	15°F to 55°F	2 SPST: 1 NC, 1 NO	**845.00**

Electrical Ratings

	Break Contact 120V	Make Contact 120V	Break Contact 240V	Make Contact 240V
Full Load	16A	6A	8A	3A
Locked Rotor	44A	36A	39A	18A
Resistive	16A	6A	8A	6A

Defrost Termination/Fan Delay Control

RANCO

- Terminates defrost and delays the evaporator fan from operation on electric heat, hot gas, and reverse cycle on commercial refrigeration systems
- This prevents warm, moist air from being circulated into the refrigerated space
- Adjustable defrost termination from 40°F to 75°F
- Fan on temp: 20°F fixed



Order #	Mfg. #	Capillary Length	Switch Action	Each
B11-804	F25-107	60" Cap. w/ 1/8" x 4" Cross Ambient Bulb	SPDT	**329.00**

Ice, Beverage Dispensing and Thermal Storage Controls

RANCO

- 120/240VAC — maximum 20 FLA; maximum 80 LRA; maximum resistive load 25A; maximum pilot duty 500VA
- 277VAC — maximum 16 FLA; maximum 80 LRA; maximum pilot duty 500VA
- **B11-571** is a direct replacement ice bin control, provides narrow differential for accurate control of bin level
- **B13-242** is an ice bin level control for use on Hoshizaki ice machines
- **B11-572** is an adaptable replacement ice harvest control for ice machine applications



A

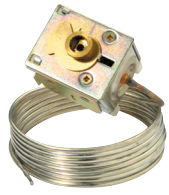

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Fig.	Order #	Mfg. #	Temp. Range	Diff.	Capillary Length	Switch Action	Each
A	**B11-571**	A22-1129	35°F to 51°F	6.0°F	48" Cap.	SPDT	**259.00**
A	**B13-242**	A30-3815	27°F to 49°F	5.5°F	60" Cap.	SPST	**195.00**
B	**B11-572**	A22-4506	-19°F to +22°F	8.0°F	72" Cap.	SPDT	**285.00**

Direct Replacement Constant Cut-In Control

RANCO

- Direct replacement constant differential or constant cut-in control
- Used on commercial refrigerators, freezers, ice machines, vending machines and beverage coolers
- Includes dial adjustment
- SPST switch
- Directly replaces Star Cooler #0308352



Order #	Mfg. #	Cold On Temp.	Cold Off Temp.	Warm On Temp.	Warm Off Temp.	Diff.	Capillary Length	Each
B14-252	A30-2209	44.5°F	36.5°F	46°F	35°F	8°	48"	**255.00**

Direct Replacement Constant Cut-In Controls

RANCO

- SPST switch with OFF position
- 120/208/240VAC — maximum 16 FLA; maximum 80 LRA; maximum pilot duty 240VA
- One-for-one replacements for vending machines, automatic beverage dispensers and reach-in coolers



Order #	Mfg. #	Cold Off Temp.	Normal Off Temp.	Warm Off Temp.	Cut-In Temp. °F	Capillary Length	Each
B11-596	A12-1560	19.0°F	24.0°F	29°F	38°F	72"	**209.00**
B11-597	A12-1506	9.0°F	15.0°F	22°F	38°F	39" x 5/8" x 1-3/8"	**255.00**
B10-333	A12-700	11.5°F	18.0°F	26°F	37°F	84"	**225.00**
B10-334	A12-701	15.0°F	23.5°F	31°F	41°F	84"	**235.00**

Supco

UNIVERSAL PARTS



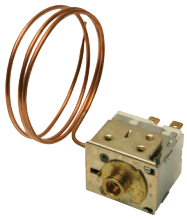
Temporary Cold Control

- Fully adjustable temperature control
- Temporary replacement of inoperable control or permanent replacement for discontinued controls
- Flush or suction cup mounting
- For freezer applications
- 125VAC, 20A FL, 80A LR SPST switch

Order #	Mfg. #	Temp. Range	Diff.	Each
B11-906	SC1002	-6°F to +40°F	7°F	**65.00**

ARANCO

Adaptable Replacement Cycling Controls for Room Air Conditioners

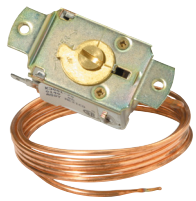


- Adaptable control to replace OEM models
- Includes break-off shaft, dial knob and mounting bracket
- Electrical ratings for **B10-379** through **B10-381**:
- 120/240VAC — maximum 30 FLA; maximum 80 LRA; maximum pilot duty 240VA
- 277VAC — maximum 16 FLA; maximum 60 LRA; maximum resistive load 16A; maximum pilot duty 240VA
- Electrical ratings for **B10-340**:
- 120/240VAC — maximum 20 FLA; maximum 80 LRA; maximum resistive load 25A; maximum pilot duty 500VA
- 277VAC — maximum 16 FLA; maximum 60 LRA; maximum pilot duty 500VA

Order #	Mfg. #	Temp. Range	Diff.	Capillary Length	Switch Action	Each
B10-340	A22-2451	45°F to 81°F	5°F	Straight	SPDT	**235.00**
B10-379	A30-X450	56°F to 86°F	5°F	Air Coil	SPST	**129.00**
B10-380	A30-X451	58°F to 86°F	5°F	Straight	SPST	**165.00**
B10-381	A30-X452	53°F to 85°F	5°F	3/8" x 4" Cross Ambient	SPST	**165.00**

ARANCO

Direct Replacement K-3000 Series Controls For Water Coolers



- Two controls replace over 200 OEM numbers
- Computer calibrated for precise settings
- Laser-welded bellows assure accurate temperature control and a long life
- Patented switch provides high performance and greater reliability
- Performance-matched to OEM specifications
- These temperature controls are a direct replacement for approximately 80% of the water cooler controls out in the field in equipment such as Ebco, Sunroc, Halsey-Taylor and Kelvinator
- Designed for the original OEM specifications having direct replacement temperature range, mounting configurations, dial shaft and driver arrangements and capillary lengths
- 10 FLA, 40 LRA @ 125VAC; 6 FLA, 36 LRA @ 250VAC; 10A @ 120V

Order #	Mfg. #	Cold Off Temp.	Normal On Temp.	Normal Off Temp.	Warm On Temp.	Diff.	Capillary Length	Each
B11-720	K-3001	37°F	53°F	46°F	61°F	7°F Fixed	30"	**169.00**
B11-721	K-3002	7°F	50°F	23°F	66°F	27°F Fixed	36"	**169.00**

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Low Pressure Controls

- For air conditioning and refrigeration applications
- Suitable for most refrigerants; **B15-396** and **B15-397** specifically designed for use with high pressure HFC refrigerants
- 120VAC — 20 FLA; 120 LRA; maximum resistive load 22A; maximum pilot duty 125A
- 240VAC — 17 FLA; 102 LRA; maximum resistive load 22A; maximum pilot duty 125VA
- **B13-356** and all P70 Models have 36" capillary with 1/4" flare nut; **B13-355** and P170 Models have 1/4" male flare connection
- **B11-568** and **B12-013** features Micro-Set adjustment for critical applications where close tolerances are required
- **B13-355** and **B13-356** have time delay and lockout features; 750VA, 120/240VAC

Fig.	Order #	Mfg. #	Switch Action	Pressure Range PSIG	Diff. PSIG	Each
A	**B11-561**	P70AB-2C	SPST Close High/Open Low	20" to 100	7 to 50	**275.00**
A	**B11-562**	P70CA-1C	SPST Open High/Close Low	20" to 100	7 to 50	**355.00**
A	**B11-568**	P70AB-12C	SPST Close High/Open Low	12" to 80	5 to 35	**285.00**
A	**B15-396**	P70AA-2C	SPST Close High/Open Low	0 to 150	10 to 70	**315.00**
B	**B12-013**	P170AB-12C	SPST Close High/Open Low	12" to 80	5 to 35	**279.00**
B	**B13-735**	P170AB-2C	SPST Close High/Open Low	20" to 100	6 to 50	**285.00**
B	**B15-397**	P170AA-2C	SPST Close High/Open Low	0 to 150	10 to 70	**299.00**
C	**B13-355**	P29NC-2C	SPST Close High/Open Low	20" to 100	Manual Reset	**689.00**
D	**B13-356**	P29NC-3C	SPST Close High/Open Low	20" to 100	Manual Reset	**645.00**


A


B


C


D

Approximate Low Pressure Settings for Typical Applications

	--Approximate Temp °F--		Pressure — PSIG ---------- R-12 ----------		---------- R-22 ----------		---------- R-502 ----------		---------- R-134A ----------	
Application	Cutout	Cut-in	Cutout	Cut-in	Cutout	Cut-in	Cutout	Cut-in	Cutout	Cut-in
Walk In, Defrost Cycle	9	37	14	34	32	64	40	75	12	32
Reach In, Defrost Cycle	20	39	19	36	40	68	48	78	16	36
Vegetable Display, Defrost Cycle	7	38	13	35	30	66	38	77	10	34
Vegetable Display Case — Open Type	12	45	16	42	35	77	44	89	14	40
Beverage Cooler, Blower Dry Type	11	37	15	34	34	64	42	75	12	32
Meat Display Case — Defrost Cycle	19	38	17	35	37	66	45	77	15	34
Meat Display Case — Open Type	4	28	11	27	27	53	35	63	8	25
Dairy Case — Open Type	2	38	10	35	26	66	33	77	16	34
Frozen Food — Open Type	-32	-9	(7)	5	4	17	8	24	10	3

Source: Johnson Controls, Inc.

Low Pressure Controls

- Automatic reset operation
- 120/240VAC — 24 FLA; 144 LRA; maximum resistive load 24A; maximum pilot duty 720VA
- **B10-528** specifically for use with R22 and R502
- **B10-513**, **B10-514** suitable for R12, R134a and R500
- **B13-243** universal control suitable for use with all CFC, HCFC and HFC refrigerants



Order #	Mfg. #	Switch Action	Pressure Range PSIG	Diff. PSIG	Conn. Size	Each
B10-513	O10-1401	SPST Open Low	12" to 50	5 to 35	Male Flare	**259.00**
B10-514	O10-1402	SPST Open Low	12" to 50	5 to 35	36" Cap. w/ Flare Nut	**275.00**
B10-528	O10-1483	SPST Open Low	10" to 100	10 to 40	36" Cap. w/ Flare Nut	**249.00**
B13-243	O16-624	SPST Open Low	12" to 80	5 to 38	36" Cap. w/ Flare Nut	**245.00**
B14-263	O16-107	SPDT	10" to 100	10 to 40	—	**259.00**
B14-265	O16-527	SPDT	10" to 100	10 to 40	36" Cap. w/ Flare Nut	**295.00**

Lube Oil Protection Controls

Johnson Controls


A


B

- Protects against major compressor breakdown by guarding against low lube oil pressure
- Built-in time delay switch avoids nuisance shutdowns on short pressure drops during the running cycle
- Manual reset operation
- Ambient compensated for uniform time delay
- 120/240VAC, maximum pilot duty 750VA
- **B15-404** is for Copeland applications
- **B15-406** is for Carlyle applications
- **B15-405** is for Bitzer applications

Fig.	Order #	Mfg. #	Switch Action	Pressure Range PSIG	Conn. Size	Each
A	**B11-774**	P28AA-1C	—	8 to 70	36" Cap. w/Flare Nut	**795.00**
A	**B11-775**	P28AA-17C	—	8 to 70	36" Cap. w/Flare Nut	**795.00**
—	**L51-068**	P145NCB-12C	SPST	—	—	**1099.00**
B	**B15-404**	P545NCB-22C	—	12.75 Fixed	40" Cable w/Copeland Sensor	**665.00**
B	**B15-405**	P545NCB-25C	—	10 Fixed	48" Cable w/Bitzer Sensor	**645.00**
B	**B15-406**	P545NCB-82C	—	7 Fixed	40" Cable w/Carlyle Sensor	**705.00**

High Pressure/Condenser Fan Cycling Controls

Johnson Controls


A



B

- For air conditioning and refrigeration applications
- Suitable for most refrigerants; **B15-398**, **B15-399**, **B15-400**, **B15-401**, **B15-402** and **B15-403** specifically designed for use with high pressure HFC refrigerants
- P70/72 models have 36" capillary with 1/4" flare nut; P170 models have 1/4" male flare connection
- P70AA/P170AA models are for condenser fan cycling
- 120VAC - 24 FLA; 144 LRA, max resistive load 22A, max pilot duty=125A
- 208VAC – 18.7 FLA; 112.2 LRA, max resistive load 22A, max pilot duty 125A
- 240VAC - 17 FLA; 102 LRA, max resistive load 22A, max pilot duty 125A

Fig.	Order #	Mfg. #	Switch Action	Pressure Range PSIG	Diff. PSIG	Each
A	**B11-563**	P70CA-3C	SPST Open High/Close Low	50 to 500	60 to 150	**339.00**
A	**B11-386**	P70AA-118C	SPST Close High/Open Low	100 to 400	35 to 200	**289.00**
A	**B13-743**	P72AA-27C	DPST Close High/Open Low	100 to 400	35 to 200	**495.00**
B	**B12-011**	P170AA-118C	SPST Close High/Open Low	100 to 400	35 to 200	**265.00**
A	**B15-398**	P70AA-400C	SPST Close High/Open Low	100 to 470	35 to 200	**319.00**
B	**B15-399**	P170AA-400C	SPST Close High/Open Low	100 to 470	35 to 200	**305.00**
A	**B15-400**	P70CA-400C	SPST Open High/Close Low	200 to 610	60 to 150	**365.00**
B	**B15-401**	P170CA-400C	SPST Open High/Close Low	200 to 610	60 to 150	**305.00**
A	**B15-402**	P70DA-400C	SPST Open High/Close Low	200 to 610	Lockout (Manual Reset)	**339.00**
B	**B15-403**	P170DA-400C	SPST Open High/Close Low	200 to 610	Lockout (Manual Reset)	**349.00**

High Pressure/Head Pressure Fan Cycling Controls

RANCO



- Suitable for R12, R22, and R502 refrigerants
- 36" capillary with flare nut; **B14-264** has 48" capillary
- Automatic reset operation, except **B14-264**
- **B11-231** for head pressure fan cycling
- Electrical rating for **B10-587** and **B10-592**: 120/240VAC — 17 FLA; 102 LRA; maximum resistive load 24A; maximum pilot duty 720VA
- Electrical rating for **B11-231**: 120/240VAC — 24 FLA; 144 LRA; maximum resistive load 24A; maximum pilot duty 720VA

Order #	Mfg. #	Switch Action	Pressure Range PSIG	Diff. PSIG	Each
B10-592	O16-142	SPDT	100 to 400	17 Fixed	**335.00**
B10-587	O16-108	SPDT	100 to 400	40 to 150	**265.00**
B11-231	O10-2054	SPST Close High/Open Low	100 to 400	40 to 150	**265.00**
B14-266	O20-7006	DPST Opens Low	100 to 400	40 to 150	**459.00**
B14-264	O16-200	SPDT	—	Manual Reset	**339.00**

Refrigerant Hose

RANCO



- Designed to resist breakage from compressor vibration
- Teflon® tubing, surrounded by a braided 304 stainless steel wire
- Hose I.D.: 3/16"; O.D.: 5/16"
- Maximum operating pressure: 3,000 PSI
- Minimum burst pressure: 12,000 PSI
- Minimum bend radius: 2"
- Vacuum: 28 in./Hg.

Order #	Mfg. #	Length	Fitting Size	Each
B14-248	1290132-A24	24"	1/4 SAE	**135.00**
B14-249	1290132-A36	36"	1/4 SAE	**169.00**

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UltraCap Armored Capillary

- Designed for use as a pressure connection in refrigeration and air conditioning applications
- Minimizes pressure pulsation and improves abrasion resistance
- Allows no effusion of refrigerant to the environment
- Break-away Shraeder depressors
- One straight and one 90° fitting
- 1/4" SAE flare connection



Order #	Mfg. #	Capillary Length	Each
B15-407	SEC99AB-18C	18"	**79.00**
B15-408	SEC99AB-24C	24"	**95.00**
B13-748	SEC99AB-36C	36"	**105.00**
B15-409	SEC99AB-48C	48"	**125.00**
B15-410	SEC99AB-60C	60"	**165.00**

Dual Pressure Controls

- Suitable for most refrigerants
- Lockout requires manual reset
- **B11-565**, **B11-566**, **B11-567**, **B11-569**, **B11-570** and **B13-259** include 36" capillary with 1/4" flare nut
- **B11-569**, **B13-259**, **B13-288**, **B13-736** and **B11-570** feature Micro-Set adjustment where close tolerances are required
- **B12-012**, **B13-288**, **B13-736** and **B13-737** have 1/4" male flare connection
- **B13-259** and **B13-288** are convertible between manual and automatic reset with independent high and low pressure SPDT switches
- Electrical Rating for **B11-565** through **B11-567**, **B11-569**, **B11-570**, **B12-012**, **B13-736** and **B13-737**: 120VAC — maximum full load 20A; locked rotor 120A; maximum resistive load 22A; maximum pilot duty 125A
- 240VAC — maximum full load 17A; maximum locked rotor 102A; maximum resistive load 22A; maximum pilot duty 57.5VA
- Electrical Rating for **B13-259** and **B13-288**: 120VAC — maximum full load 16A; locked rotor 96A; maximum resistive load 16A; maximum pilot duty 125VA
- 240VAC — maximum full load 8A; locked rotor 48A; maximum resistive load 8A; maximum pilot duty 125VA



A



B

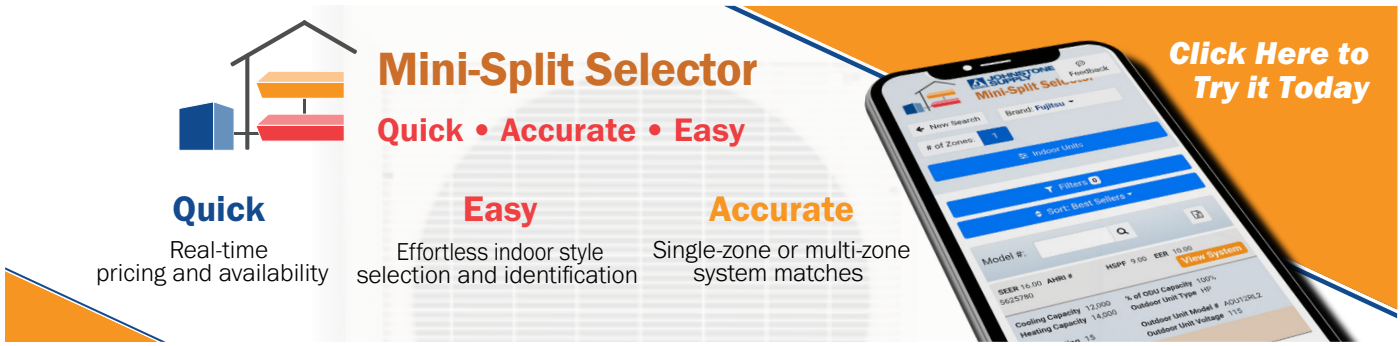
Fig.	Order #	Mfg. #	Low Range PSIG}	Low Pressure Diff. PSIG	High Range PSIG	Each
A	**B11-565**	P70LB-1C	20" to 100	7 to 50	100 to 500	**509.00**
A	**B11-566**	P70MA-1C	20" to 100	7 to 50	100 to 500	**525.00**
A	**B11-567**	P70NA-1C	20" to 100	Lock-Out	100 to 500	**625.00**
A	**B11-569**	P70LB-6C	12" to 80	5 to 35	100 to 500	**535.00**
A	**B11-570**	P70MA-18C	12" to 80	5 to 35	100 to 500	**499.00**
A	**B13-259**	P70SA-1C	12" to 80	5 to 35	100 to 500	**555.00**
B	**B12-012**	P170LB-1C	20" to 100	7 to 50	100 to 500	**505.00**
B	**B13-288**	P170SA-1C	12" to 80	5 to 35	100 to 500	**499.00**
B	**B13-736**	P170LB-6C	12" to 80	5 to 35	100 to 500	**505.00**
B	**B13-737**	P170MA-1C	20" to 100	7 to 50	100 to 500	**469.00**

Dual Pressure Controls

- Suitable for R12, R22, and R502 refrigerants
- SPST switch is actuated by both high and low pressure sides
- Automatic reset on low side
- 120/240VAC — 24 FLA; 144 LRA; maximum resistive load 24A; maximum pilot duty 720VA
- **B11-573** and **B11-574** have convertible manual/automatic reset feature on the high side



Order #	Mfg. #	Cut-In PSI	Cutout PSI	Pressure Range PSIG	Diff. PSIG	Conn. Size	Each
B10-557	O12-1506	12" to 50	100 to 250	5 to 35	50 Fixed	36" Cap. w/ Flare Nut	**509.00**
B10-565	O12-1549	10" to 100	150 to 450	Up to 100 Low; 450 High	70 Fixed	36" Cap. w/ Flare Nut	**475.00**
B11-573	O12-4833	12" to 50	150 to 450	5 to 35	70 Fixed	48" Cap. w/ Flare Nut	**529.00**
B11-574	O12-4834	10" to 100	150 to 450	10 to 40	70 Fixed	48" Cap. w/ Flare Nut	**475.00**
B14-262	O12-1502	12" to 50	150 to 450	5 to 35	70 Fixed	36" Cap. w/ Flare Nut	**529.00**





Pressure Controls

- Pressure Switches for use in residential air conditioning and commercial refrigeration/ air conditioning applications
- OEM approved design
- Factory set, hermetically sealed sensor
- Compact and lightweight for direct mounting
- Tamper-proof construction
- RoHS compliant

Specifications:

- Electrical rating: 5.8FLA@115VAC; 2.9FLA@230VAC
- 1/4" diameter female flare pressure port
- **B18-788** and **B18-789** includes capillary tube connection
- **B18-796** includes conduit clamp for 3/8" flexible metal conduit
- **B18-811** includes 1/4" male spade terminals
- **B18-784**, **B18-811**, **B18-792** and **B18-791** are compatible with R410A
- **B18-805** and **B18-801** include SPDT switch with heavy duty electrical contacts (high current capacity)

Order #	Mfg. #	Application	Reset Type	Switch Action	Cut-In PSI	Cutout PSI	Each
B18-775	P100AP-351C	Fan Cycling	Auto	SPST, Make on Rise	120	75	**69.00**
B18-776	P100AP-352C	Fan Cycling	Auto	SPST, Make on Rise	170	110	**69.00**
B18-777	P100AP-359C	Fan Cycling	Auto	SPST, Make on Rise	215	165	**65.00**
B18-778	P100AP-3C	Fan Cycling	Auto	SPST, Make on Rise	225	150	**75.00**
B18-779	P100AP-362C	Fan Cycling	Auto	SPST, Make on Rise	240	195	**65.00**
B18-780	P100AP-4C	Fan Cycling	Auto	SPST, Make on Rise	250	170	**75.00**
B18-782	P100AP-354C	Fan Cycling	Auto	SPST, Make on Rise	275	210	**59.00**
B18-783	P100AP-200C	Fan Cycling	Auto	SPST, Make on Rise	275	195	**65.00**
B18-784	P100AP-332C	Fan Cycling	Auto	SPST, Make on Rise	400	300	**65.00**
B18-785	P100DA-35C	High Pressure	Manual	SPST, N.C., Lockout High	Manual	350	**115.00**
B18-786	P100DC-3C	High Pressure	Manual	SPST, N.C., Lockout High	Manual	375	**125.00**
B18-787	P100DA-1C	High Pressure	Manual	SPST, N.C., Lockout High	Manual	410	**99.00**
B18-788	P100DA-100C	High Pressure	Manual	SPST, N.C., Lockout High	Manual	415	**95.00**
B18-789	P100DA-101C	High Pressure	Manual	SPST, N.C., Lockout High	Manual	440	**95.00**
B18-790	P100DA-2C	High Pressure	Manual	SPST, N.C., Lockout High	Manual	475	**89.00**
B18-791	P100DA-86C	High Pressure	Manual	SPST, N.C., Lockout High	Manual	575	**79.00**
B18-792	P100DA-81C	High Pressure	Manual	SPST, N.C., Lockout High	Manual	630	**99.00**
B18-793	P100CP-157C	High Pressure	Auto	SPST, Open on Rise	150	225	**69.00**
B18-794	P100CP-158C	High Pressure	Auto	SPST, Open on Rise	150	250	**69.00**
B18-795	P100CP-159C	High Pressure	Auto	SPST, Open on Rise	200	270	**69.00**
B18-796	P100CC-9C	High Pressure	Auto	SPST, Open on Rise	175	275	**75.00**
B18-797	P100CP-91C	High Pressure	Auto	SPST, Open on Rise	200	300	**65.00**
B18-798	P100CP-166C	High Pressure	Auto	SPST, Open on Rise	225	325	**69.00**
B18-799	P100CP-140C	High Pressure	Auto	SPST, Open on Rise	245	350	**75.00**
B18-800	P100CP-160C	High Pressure	Auto	SPST, Open on Rise	275	375	**69.00**
B18-801	P100EE-79C	High Pressure	Auto	SPDT, N.C., Open on Rise	300	370	**149.00**
B18-802	P100CP-161C	High Pressure	Auto	SPST, Open on Rise	200	400	**69.00**
B18-803	P100CP-162C	High Pressure	Auto	SPST, Open on Rise	280	400	**69.00**
B18-804	P100CP-1C	High Pressure	Auto	SPST, Open on Rise	300	400	**65.00**
B18-805	P100EE-78C	High Pressure	Auto	SPDT, N.C., Open on Rise	300	400	**139.00**
B18-806	P100CP-156C	High Pressure	Auto	SPST, Open on Rise	290	410	**69.00**
B18-807	P100CP-163C	High Pressure	Auto	SPST, Open on Rise	300	425	**69.00**
B18-808	P100CP-2C	High Pressure	Auto	SPST, Open on Rise	325	425	**75.00**
B18-809	P100CP-164C	High Pressure	Auto	SPST, Open on Rise	250	450	**69.00**
B18-810	P100CP-165C	High Pressure	Auto	SPST, Open on Rise	475	600	**59.00**
B18-811	P100CP-85C	High Pressure	Auto	SPST, Open on Rise	565	665	**75.00**
B18-812	P100AC-1C	Low Pressure	Auto	SPST, Open on Fall	20	5	**85.00**
B18-813	P100AP-355C	Low Pressure	Auto	SPST, Open on Fall	30	5	**65.00**
B18-814	P100AP-15C	Low Pressure	Auto	SPST, Open on Fall	25	10	**69.00**
B18-815	P100AP-201C	Low Pressure	Auto	SPST, Open on Fall	32	10	**55.00**
B18-816	P100AC-2C	Low Pressure	Auto	SPST, Open on Fall	30	15	**85.00**
B18-817	P100AP-356C	Low Pressure	Auto	SPST, Open on Fall	45	20	**65.00**
B18-818	P100AP-12C	Low Pressure	Auto	SPST, Open on Fall	50	25	**65.00**
B18-819	P100AP-9C	Low Pressure	Auto	SPST, Open on Fall	80	25	**75.00**
B18-820	P100AP-105C	Low Pressure	Auto	SPST, Open on Fall	60	30	**65.00**
B18-821	P100AP-2C	Low Pressure	Auto	SPST, Open on Fall	60	35	**69.00**
B18-822	P100AP-10C	Low Pressure	Auto	SPST, Open on Fall	60	40	**69.00**
B18-823	P100AP-357C	Low Pressure	Auto	SPST, Open on Fall	80	40	**65.00**
B18-824	P100AP-361C	Low Pressure	Auto	SPST, Open on Fall	90	50	**69.00**
B18-825	P100AP-358C	Low Pressure	Auto	SPST, Open on Rise	100	75	**69.00**

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Electronic Pressure Controls

- Electronic pressure control with display and adjustable anti-short cycle delay
- For use with P399 transducer
- Minimum differential PSIG: 5 or 20



Order #	Mfg. #	Switch Action	Pressure Range PSIG	Each
B13-741	P470EB-1C	SPDT	0 to 750	**345.00**
B13-742	P470FB-1C	SPDT	0 to 750	**275.00**

Electronic Pressure Transducers

- Designed for use in commercial refrigeration and air conditioning
- Compact, rugged and direct-mount
- Produces a low voltage analog signal based on sensed pressure
- Stainless steel with environmentally sealed electronics
- Resistant to the effects of wide temperature swings, high humidity, condensation and icing
- Suitable for use in all non-corrosive refrigerants, as well as ammonia
- "K" models include wire harness
- **B18-452** is sealed for wet and freeze/thaw applications such as the suction side of the compressor



A



B

Fig.	Order #	Mfg. #	Pressure Range PSIG	Each
A	**B13-747**	P499RCP-101K	0 to 100	**445.00**
A	**B13-746**	P499RCP-105K	0 to 500	**479.00**
A	**B13-639**	P499RCP-107K	0 to 750	**445.00**

Fig.	Order #	Mfg. #	Pressure Range PSIG	Each
A	**B15-411**	P499RAP-101K	0 to 100	**439.00**
A	**B15-412**	P499RAP-105K	0 to 500	**439.00**
B	**B18-452**	P499RCPS102K	0 to 200	**459.00**

Differential Pressure Controls

- Measures the pressure difference between supply and return lines, repositioning switching mechanism to cause corrective action of supplementary control equipment
- Provides differential pressure sensing on chillers, water cooled condensers or heating systems for proof of flow
- Can be used as lube oil failure cutout for refrigeration compressors
- Also suitable for use as refrigeration pressure limiting controls
- Pressure differential setting easily changed without removing cover
- Includes universal mounting bracket
- Brass bellows

Specifications:

- Switch action: SPDT, snap-acting
- Range pressure differential: 8 to 60 PSI
- Switch differential: 1.5 fixed
- Pressure connections: **B13-349**, 1/4" male flare; **B13-350**, 1/4" FNPT
- 120VAC — maximum full load 6A; locked rotor 36A; maximum resistive load 10A; maximum pilot duty 125VA
- 240VAC — maximum full load 3A; locked rotor 18A; maximum resistive load 10A; maximum pilot duty 125VA



A B

Fig.	Order #	Mfg. #	Conn. Size	Each
A	**B13-349**	P74FA-1C	1/4" Male Flare	**569.00**
B	**B13-350**	P74FA-5C	1/4" Female NPT	**615.00**

Differential Pressure Control

- Measures the pressure difference between two sources: supply lines and return
- A change in differential pressure repositions the switching mechanism to cause corrective action of the supplemetary control equipment
- Easy to change pressure differential (without removing cover)
- 36" capillary with flare nut specifications:
- Electrical rating: 120VAC — FLA 16, LRA 96
- Maximum resistive load: 16A
- Maximum pilot duty: 125VA



Order #	Mfg. #	Switch Action	Pressure Range PSIG	Diff. PSIG	Each
B13-744	P74EA-8C	SPDT	2 to 26	3.5	**599.00**

Lube Oil Protection Control

- 120-second time delay switch opens control circuit to stop compressor when oil pressure is lost
- Replaces Copeland #085-0062-00
- Manual reset, alarm circuit standard
- Ambient temperature compensated
- Super Cap® capillary protection system
- 120/240VAC, maximum pilot duty 720VA



Order #	Mfg. #	Reset Type	Pressure Range PSIG	Conn. Size	Each
B12-009	P30-5826	Manual	9 Fixed	36" Cap. w/ Flare Nut	**575.00**

INTERMATIC

Heavy-Duty In-Wall Timer



- 24-hour heavy-duty in-wall timer
- Captive trippers with 20-minute switching interval
- Manual ON/OFF/Auto switch
- 20A @ 120VAC, 60 Hz, 2400 watt resistive, 8A inductive, 1 HP @ 120VAC, 1350 watt tungsten

Order #	Mfg. #	Description	Volts	Switch Action	Amps	Time Range	Each
G32-431	KM2ST-1G	Heavy-Duty Mechanical In-Wall Timer - 20 A	120	SPST	8	24 hour	**179.00**

INTERMATIC

Automatic Shutoff Timers



- Automatically turns off fans, lights, heaters, pumps and other loads, saving energy and extending equipment life
- Non-metallic wall plate meets NEC requirements
- SPST 20A, 2 HP switch
- Each pole — 20A @ 125VAC (inductive), 50/60 Hz, 7A @ 125VAC Tungsten, 2 HP @ 250VAC, 50/60 Hz, 7A @ 125VAC Tungsten, 2 HP @ 250VAC, 50/60 Hz
- **G22-280**, **G31-587** and **G22-279** include timer hold feature

Order #	Mfg. #	Description	Volts	Switch Action	Amps	Time Range	Includes	Each	3 Lot
G22-475	FF5M	Spring Wound Countdown Timer - Commercial	125/250/277	SPST	7	5 Min.	Composite Wall Plate/White Knob	**95.00**	**89.00**
G22-476	FF15MC	Spring Wound Countdown Timer - Commercial	125/250/277	SPST	7	15 Min.	Composite Wall Plate/White Knob	**135.00**	**129.00**
G22-477	FF30MC	Spring Wound Countdown Timer - Commercial	125/250/277	SPST	7	30 Min.	Composite Wall Plate/White Knob	**135.00**	**129.00**
G22-478	FF60MC	Spring Wound Countdown Timer - Commercial	125/250/277	SPST	7	60 Min.	Composite Wall Plate/White Knob	**105.00**	**95.00**
G22-280	FD60MH	Spring Wound Countdown Timer - Commercial	125/250/277	SPST	7	60 Min.	Composite Wall Plate/White Knob	**119.00**	**115.00**
G36-851	FF34H	Spring Wound Countdown Timer - Commercial	125/250/277	SPDT	7	4 Hrs.	Composite Wall Plate/White Knob	**275.00**	**265.00**
G31-586	FF6H	Spring Wound Countdown Timer - Commercial	125/250/277	SPST	7	6 Hrs.	Composite Wall Plate/White Knob	**149.00**	**139.00**
G31-587	FF6HH	Spring Wound Countdown Timer - Commercial	125/250/277	SPST	7	6 Hrs.	Composite Wall Plate/White Knob	**165.00**	**155.00**
G22-279	FF12HHC	Spring Wound Countdown Timer - Commercial	125/250/277	SPST	7	12 Hrs.	Composite Wall Plate/White Knob	**115.00**	**109.00**

PARAGON

Paragon Direct Replacement Defrost Timers



- Timers are identical to original controls made by Paragon for household refrigerator and freezer industry
- Units manufactured with heavy-duty solid silver contacts and synchronous motors for domestic refrigerators and freezers since 1957

Order #	Mfg. #	Defrost Time	Defrost Frequency	Replaces	Each
B10-174	A1400-00	21 Mins.	6 Hrs.	34886, 34895	**59.00**
B10-178	B1400-00	20 Mins.	8 Hrs.	34887, 34888	**55.00**
B10-183	A1402-00	21 Mins.	8 Hrs.	34885	**47.49**
B10-185	G1400-00	25 Mins.	6 Hrs.	34890	**47.99**

Supco

Electronic Adjustable Defrost Timers



- Two dial adjustment configuration allows for setting of any defrost frequency from 4 to 12 hours and any defrost time from 10 to 35 minutes
- Standard size mounting and terminal configuration to fit most applications
- Direct replacement for all Whirlpool Continuous Run and Cumulative Run defrost timers, as well as other makes
- Plugs into existing wiring harness in most applications

Order #	Mfg. #	Volts	Amps	Max. Compressor HP	Each
B12-408	EDT10	115	10	1/3	**75.00**
B17-138	EDT11	115	15	3/4	**65.00**

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24-Hour Timers

- 24-hour timer, DIN rail or surface mounted with captive trippers
- 15-minute switching intervals
- Three-way override
- Real clock face

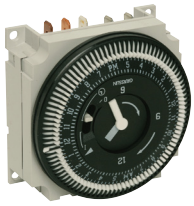
Specifications:
- Input voltage: 24VAC
- Switch rating: SPDT 21A @ 250V Res
- On/Off time: 15 min.



Order #	Mfg. #	Description	Volts	Switch Action	Amps	Time Range	Includes	Each	3 Lot
G32-657	MIL72ASTUZH24	21 A, 1-Circuit, 24-Hour Timer Module	24	SPDT	21	24 hour	Clear Plastic Dust Cover	**205.00**	**195.00**
G36-858	MIL72ASTUZ-120	21 A, 1-Circuit, 24-Hour Timer Modules	120	SPDT	21	24 hour	Clear Plastic Dust Cover	**215.00**	**199.00**

Electromechanical Timer Module

- 24-hour timer, surface mounted with spade terminals
- Easy-to-set captive trippers
- Synchronous drive for greatest accuracy
- 24-hour switch program
- Switch output: SPDT
- Program: ON/OFF every 15 minutes
- Voltage: 24VAC



Order #	Mfg. #	Description	Volts	Switch Action	Amps	Time Range	Each
G32-652	FM1STU-ZH-24	21 A, 1-Circuit, Panel Mount Timer Module	24	SPDT	21	24 hour	**195.00**

Multipurpose Control
E100B Series

- Multi-voltage input 120–277VAC
- Patented 40 amp contacts
- Indoor/outdoor enclosure standard
- LCD display, simple programming with brief easy-to-follow instructions
- Replaces Paragon EC4000 Series



Order #	Mfg. #	Volts	Switch Action	Amps	Each
G35-797	E101B	24/120/208/240/277	SPST	40	**455.00**

24 Hour Timer Switches

- Provides direct 24 hour control of most loads
- 1 to 12 ON/OFF operations each day with minimum ON/OFF times of 1 hour
- Manual override
- All models equipped with one ON and one OFF tripper



Order #	Mfg. #	Volts	Switch Action	Amps	Time Range	Includes	Each
G36-498	T101	125	SPST	40	24 hour	one ON and one OFF tripper	**209.00**
G36-499	T102	208-277	SPST	40	24 hour	one ON and one OFF tripper	**219.00**
G36-500	T103	125	DPST	40	24 hour	one ON and one OFF tripper	**215.00**
G36-501	T104	208-277	DPST	40	24 hour	one ON and one OFF tripper	**225.00**

7-Day Time Switches

- True 7-Day load control with minimum ON/OFF time of 3 ½ hours
- Separate clock motor terminals for switching loads not on-line voltage
- Carryover automatically rewinds when power resumes
- One hour of rewinding time for every two hours of power outage



Order #	Mfg. #	Volts	Switch Action	Amps	Time Range	Includes	Each
G36-502	T7401B	125	4PST	40	7 day	seven ON and seven OFF trippers	**425.00**
G36-503	T7402B	208-277	4PST	40	7 day	seven ON and seven OFF trippers	**885.00**
G36-504	T7801B	125	2 N.O./2 N.C.	40	7 day	seven ON and seven OFF trippers	**425.00**
G36-505	T7802B	208-277	3 N.O./2 N.C.	40	7 day	seven ON and seven OFF trippers	**805.00**

PARAGON

Commercial Defrost Timers



- One to six defrost cycles per day, four hours between cycles
- Cycle adjustable from four to 110 minutes, in two-minute increments
- Positive switch action slider bar
- Heavy-duty synchronous industrial type motor and steel enclosure
- Knockouts on bottom, back and sides
- Hasp and staple for padlock
- 40A electrical rating; choice of three contact arrangements
- UL approved except **G22-349**
- 8040 Series are time initiated, time terminated with accuracy of defrost duration ± two minutes
- 8140 Series are time initiated, remote temperature or pressure terminated and control works with an external temperature or pressure sensor

Order #	Mfg. #	Volts	Switch Action	Description	Each
G22-950	8041-00	120	2 N.C.–1 N.O.	Off-Cycle Defrost	**309.00**
G21-503	8045-00	120	1 N.C.–1 N.O.	Off-Cycle Defrost	**285.00**
G22-269	8045-20	208/240	1 N.C.–1 N.O.	Off-Cycle Defrost	**259.00**
G22-270	8047-20	208/240	1 N.C.–2 N.O.	Off-Cycle Defrost	**309.00**
G22-806	8141-00	120	2 N.C.–1 N.O.	For Electric or Hot Gas Defrost	**259.00**
G22-953	8141-20	208/240	2 N.C.–1 N.O.	For Electric or Hot Gas Defrost	**259.00**
G22-620	8145-00	120	SPDT	For Electric or Hot Gas Defrost	**259.00**
G21-505	8145-20	208/240	SPDT	For Electric or Hot Gas Defrost	**259.00**
G36-955	8145-20M	—	—	Mechanism Only	**205.00**
G37-302	M1129-00	120	—	Gear Motor	**205.00**
G37-303	M1130-20	240	—	Gear Motor	**179.00**
G22-349	X-3596	—	—	Extra Tripper Set	**15.49**

PARAGON

Commercial Defrost Timers



- Replaces over 40 competitive models
- Auto-voltage automatically adjust for 120-277V
- Heavy duty 40 Amp rated contacts
- LED indicators for defrost and refrigeration cycles
- Built-in protective housing
- Mounts in existing enclosures no tools required
- Real time clock for easy accurate settings

Order #	Mfg. #	Volts	Description	Each
G37-335	8145-AV	120-277	NEMA 1 Metal Enclosure, Electric, Hot Gas, and Compressor Off Cycle	**295.00**
G37-336	8145-AV-M	120-277	Mechanism Only, Electric, Hot Gas, and Compressor Off Cycle	**329.00**

PARAGON

Universal Commercial Defrost Timers



- Multi-voltage automatic adjustment for 120, 208 or 240V, no jumpers or dip switches required
- Up to 12 defrost cycles per day, 15 minutes between cycles
- Lighted electronic display with touchpad adjustments
- Easy set-up with 15-minute manual defrost
- Real time clock
- 100 hours of power loss protection
- Metal enclosure
- Switch rating: 30A resistive, 1HP @ 120VAC, 2HP @ 240VAC

Order #	Mfg. #	Volts	Description	Each
G32-825	9045-00	120/208/240	Time Initiated/Time Terminated	**415.00**
G32-826	9145-00	120/208/240	Time Initiated/Time, Temperature, Pressure Terminated	**379.00**

Johnson Controls

Electronic Defrost Control



- Combines functionality of electromechanical thermostat and time clock, thermometer and termination switch
- Provides defrost scheduling, and termination based on time or temperature, sensor fail-safe modes and temperature indication
- Control buttons can be locked to prevent tampering
- Programmable alarms for high or low case temperature, cooler door open, and sensor failure
- Alarm relay can connect to a dial-out modem for remote reporting
- Minimizes compressor wear through built-in short cycling delay
- Precision control of evaporator fan provides maximum benefit of cooling and defrost cycles
- Voltage: 120VAC or 240VAC
- Accuracy: ±1.8°F (±1°C)
- Includes two A99BB-200C 6.5 foot sensors (**L38-717**)

Order #	Mfg. #	Description	Each
L38-724	MR4PMUHV-12C	Electronic Defrost Control	**1145.00**

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24-Hour Time Switch

- Synchronous drive for low cost and greatest accuracy
- Easy-to-set captive trippers, 96 trippers provide up to 48 ON/OFF events
- Three-way OFF/AUTO/ON overide switch provides continuous override
- Replaces Intermatic, Tork and Paragon switches



Order #	Mfg. #	Description	Volts	Switch Action	Amps	Time Range	Each
G32-656	GMX ST-I-120	21 A, General Purpose, 1-Circuit Electronic Time Switch	120	SPDT	21	24 hour	**215.00**

Multi-Voltage On/Off Timers

- 40A heavy-duty contacts
- Manual override switch with OFF/AUTO/ON options
- NEMA 3R indoor/outdoor non-metallic enclosure
- Captive trippers can be set in 15-minute intervals
- No tools required — the "guts" simply snap into existing Grasslin or Intermatic enclosures
- Universal replacement; replaces over 50 competitive models
- **G36-168** is auto-voltage timers that can operate in any voltage between 120V and 277V



A



B

Fig.	Order #	Mfg. #	Description	Volts	Switch Action	Amps	Time Range	Includes	Each
A	**G33-056**	GM40AV-Q	40 A Autovoltage General Purpose Time Switch	120, 208/240, 277	SPDT/DPDT	40	24 hour	Type 3R outdoor enclosure	**405.00**
A	**G33-057**	GM40AV-W	40 A Autovoltage General Purpose Time Switch	120, 208/240, 277	SPDT/DPDT	40	7 day	Type 3R outdoor enclosure	**495.00**
A	**G33-058**	GM40AV-QW	40 A Autovoltage General Purpose Time Switch	120, 208/240, 277	SPDT/DPDT	40	7 day	Type 3R outdoor enclosure	**529.00**
A	**G36-168**	GM40AV-JS	Autovoltage Electric Water Heater Timer	120,208-240,277	SPDT/DPDT	40	24 hour	Type 3R outdoor enclosure	**255.00**
B	**G37-871**	GM40AVE-RD89	40 A Auto-Voltage General Purpose Electronic Time Switch	120-277	DPDT	40	24 hour	Type 3R outdoor enclosure with lockable hasp	**419.00**

Commercial Auto-Voltage Defrost Timers

- Automatically selects the appropriate voltage between 120V and 240 without the use of a dip switch
- Temperature, pressure or time terminated
- Red and green LEDs indicate refrigeration or defrost cycle
- 40A resistive, 1 HP @ 120V, 2HP @ 240V

Applications:

- Air defrost (compressor shutdown) and electric or hot gas defrost systems



A



B

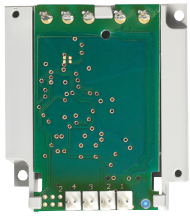
Fig.	Order #	Mfg. #	Volts	Switch Action	Description	Amps	Each
A	**G36-164**	DTAV40JS	120-240	1 SPDT, 1 NC SPST	Grässlin 24-Hour Electromechanical Defrost Timer	40	**315.00**
A	**G36-166**	DTAV40M-JS	120-240	1 SPDT, 1 NC SPST	Grässlin 24-Hour Electromechanical Defrost Timer - Mechanism Only	40	**335.00**
A	**G36-167**	DTAV40Q	120-240	1 SPDT, 1 NC SPST	Grässlin 24-Hour Electromechanical Defrost Timer	40	**415.00**
B	**G36-644**	DTAV40E2	120-240	1 SPDT, 1 NC SPST	Grässlin 24-Hour and/or 7-Day Electronic Defrost Timer	40	**559.00**

ICUBE™ Adaptive Defrost Module

- Reduces defrost cycles by 40% or more per day

Features:

- **G37-394** retrofits into existing Grässlin Defrost Timer (DTAV40, **G36-164**), initiating a defrost cycle only when needed, at optimal, low usage times
- **G36-635** is a defrost timer with ICUBE installed
- **G37-395** is the thermistor accessory for multi-evaporators



A



B

Fig.	Order #	Mfg. #	Volts	Switch Action	Description	Amps	Each	3 Lot
A	**G37-394**	DDFM	—	—	ICUBE™ Adaptive Defrost Refrigeration Module with Sensor	—	**485.00**	**465.00**
B	**G36-635**	DDT40	120-240	1 SPDT, 1 NC SPST	Complete Adaptive Defrost Refrigeration Time Control with ICUBE™ Module, Sensor, and Type 3R Enclosure	40	**865.00**	**819.00**
—	**G37-395**	178GR10K-1	—	—	Additional Separate Sensor Accessory (for Multiple Evaporator Applications)	—	**145.00**	**139.00**

Single-Phase Digital Line Monitors

ICM CONTROLS · Made in USA



A


B

UNIVERSAL PARTS

- Protects against over and under voltage and rapid short cycling caused by transient faults and power interruptions
- Easy-view, backlit digital display
- Universal control voltage input

Specifications:
- User adjustable settings: voltage set point — 95-280V
- Anti-short cycle time delay — 0–720 sec.

Fig.	Order #	Mfg. #	Universal Parts	Each
A	**B17-285**	ICM492C-LF	Y	**275.00**
B	**B19-304**	ICM493	—	**675.00**
A	**B22-276**	ICM493-60A	—	**775.00**

Three-Phase Motor Protector

Supco®



- Basic protection for motors against loss of phase and unbalanced voltage conditions
- Disconnects the motor pilot circuit when monitored problem is detected
- Re-energizes circuit only when all three phases are activated at the full voltage rating
- Power consumption: 3 VA maximum

Specifications:
- Operating voltage: compact 208-277VAC model
- Output relay: normally open and normally closed contacts, type C; 5A 240VAC, 10A 120VAC
- Phase imbalance: fixed 7%

Order #	Mfg. #	Each
B13-541	TPMP2	**69.00**

Three-Phase Loss/Reversal Monitors

ICM CONTROLS · Made in USA


A


B

- Provides three-phase single-side protection
- Universal voltage input (190 to 600VAC)
- Monitors for phase reversal, phase loss, and phase unbalance % as a function of input voltage
- Bright LED indicators for ON and FAULT
- Highly reliable passive electronics
- Interrogates the line during fault conditions to reduce nuisance trips from transients or compressor start-ups

Specifications:
- Fixed control voltage: 18 to 30VAC
- Output: relay, SPDT, N.O., 20A

Fig.	Order #	Mfg. #	Each
A	**B22-551**	ICM401A	**115.00**
B	**B18-077**	ICM402C	**209.00**



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Three-Phase Line Voltage Monitors

- Designed to protect motors and other three-phase loads from premature failure and damage due to common voltage faults
- Front and back-side fault identification
- Independent over/under voltage % adjustment
- Line voltage programmable

Specifications:

- Line voltage: universal — 190 to 600VAC, 50/60 Hz
- Type: relay, SPDT
- Voltage range: 277 VAC @ 10A maximum, 50-60 Hz
- Operating temperature range: -40°F to +149°F delay on break timer
- Phase Unbalance Protection: 2-20% adjustable
- Delay on break timer control voltage: 18 to 240VAC/VDC with time delay: 0 to 10 minutes adjustable fault interrogation delay
- Fault interrogation time delay: 0 to 15 seconds adjustable
- Terminations: 1/4" quick connects



A



B

Fig.	Order #	Mfg. #	Each
A	**B12-400**	ICM450A	**409.00**
B	**G38-298**	ICM450A+	**485.00**

Fan Speed Head Pressure Control

- Temperature or pressure sensitive motor fan speed control
- Near field communication (NFC) capable; configure using the ICM OMNI App
- Features: hard start, low temperature bypass, isolated 24 VAC supply
- Controls up to 3 refrigeration circuits
- RoHS compliant / lead free design
- Both A/C and heat pump applications
- Universal 120-600VAC line voltage and 24-240VAC control voltage
- Helps prevent evaporator freeze-ups, low pressure cut-outs and liquid-slugged compressors in low ambient conditions
- Integral heat pump bypass circuitry allows electronic bypass of speed control
- Eliminates overshoots common to on/off and pressure switch controls



Order #	Mfg. #	Operating Range PSIG	Throttling Range PSIG	Max. Control Range (Adjustable)	Max. Pressure	Sensors Inputs	Volts	Each
B22-550	ICM325A	-40°F to +167°F	350	600 VAC	350	2 Temp, 2 Press	120V - 600V	**415.00**

Pressure Actuated Motor Speed Controllers

- Pressure actuated electronic motor speed controller directly senses pressure and electronically varies fan motor speed
- Designed to replace on/off fan cycling controls, multiple speed motors, condenser flood back systems, temperature fan speed controls and modulating louver systems
- Provides soft start, reducing motor starting noise
- Built-in voltage surge protection
- 60" capillary with 1/4" flare nut connection
- Control voltage: 24VAC



Order #	Mfg. #	Operating Range PSIG	Throttling Range PSIG	Max. Control Range (Adjustable)	Max. Pressure	Sensors Inputs	Each
B13-347	P66AAB-1C	190 to 250	60	140 to 350	450	1	**1499.00**
B13-458	P66BAB-1C	190 to 250	60	140 to 350	450	1 or 2	**1999.00**
B15-416	P66AAB-34C	320 to 410	90	300 to 500	695	1	**1745.00**

P266 Series Single-Phase Condenser Fan Speed Controls

- For approved single-phase, permanent split-capacitor (PSC) motors
- Replaces P66 Series and P215 Series fan speed controls
- **B17-806** and **B17-809** provide optional control of up to three auxiliary fans or fan stages



Order #	Mfg. #	Sensors Inputs	Volts	Each
B17-805	P266AAA-100C	1 or 2	208 to 240	**1099.00**
B17-806	P266ABA-100C	1 or 2	208 to 240	**1199.00**
B17-807	P266ACA-100C	1 or 2	208 to 240	**1099.00**
B17-808	P266BCA-100C	1 or 2	440 to 575	**1099.00**
B17-809	P266BHA-100C	1 or 2	440 to 575	**1245.00**

P266 Electronic Pressure Transducers

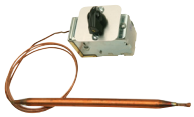


- Designed for use with P266 series controls to monitor condenser pressure
- Compact, economical, rugged, direct-mount and designed for use in commercial refrigeration and air conditioning applications
- Environmentally-protected electronics with stainless steel construction

Specifications:
- **B17-810**: 0 to 35 bar (0 to 508 psi) total range with a 1/4 in. SAE female flare connection and a 2 meter (6.6 ft) cable
- **B17-811**: 0 to 52 bar (0 to 754 psi) total range with a 1/4 in. SAE female flare connection and a 2 meter (6.6 ft) cable

Order #	Mfg. #	Each
B17-810	P266SNR-1C	**339.00**
B17-811	P266SNR-2C	**339.00**

Temperature Cycle Controls



A



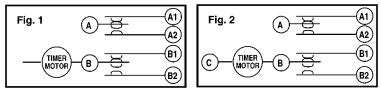
B

- For single- or two-stage heating/cooling systems
- Controls on/off cooling and heating functions in response to temperature
- Provides heat/cool cycle automatic changeover
- 120/240V, FLA 20, LRA 80; 240/277V, FLA 16, LRA 60
- Differential 3°F
- **B10-410**: temperature range, 60°F to 98°F
- **B10-412**: cooling range, 71°F to 101°F; heating range, 64°F to 94°F

Fig.	Order #	Mfg. #	Capillary Length	Switch Action	Each
A	**B10-410**	C12-5010	36" Cap. w/ 3/8" x 9" Bulb	SPDT	**215.00**
B	**B10-412**	C17-100	26" Cap. w/ 3/8" x 8-9/16" Bulb	2 SPDT	**299.00**

Air Conditioning Time Delay Sequencers

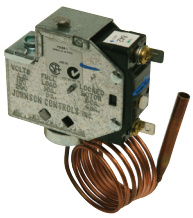




- For residential and commercial central and unitary air conditioning systems
- Prevents compressor short cycling
- Provides automatic resetting of safety devices during power outage, low and high pressure cutouts and thermostat jiggling
- Allows system pressures to equalize before compressor restart
- 125VAC; 9.8 FLA, 58.8 LRA, resistive load maximum 15A
- 250VAC; 4.9 FLA, 29.4 LRA, resistive load maximum 10A
- Maximum pilot duty 125/250VAC: 125VA
- **B10-500** replaces Carrier #**T34-111**, HK25MJ172 and HK25RC010
- **B10-502** replaces Carrier #**T34-112**, HK25MJ174 and HK25 RC011
- **B11-252** replaces Carrier #**T34-110**, HK25MJ173 and HK25RC012; Rheem-Ruud #**T34-123** and 47-18795-01

Order #	Mfg. #	Time Delay	Volts	Wiring Style	Each
B10-500	T34-131	5 Min.	208/240V	Fig. 2	**355.00**
B10-502	T34-133	5 Min.	120V	Fig. 2	**355.00**
B11-252	T34-153	5 Min.	24V	Fig. 1	**335.00**

P20 Series Air Conditioning Limit Controls



- Shuts compressor off when excessive pressure develops
- Specially designed for commercial and residential air conditioning units
- Can be used with all non-corrosive refrigerants
- Dust tight contact unit has male quick connect terminals
- Capillary is 36" long with 1/4" sweat connection
- 16A @ 120VAC; 8A @ 240VAC; maximum volts 300 AC
- Screwdriver adjustment slot
- Mounting bracket supplied on all models

Order #	Mfg. #	Switch Action	Pressure Range PSIG	Diff. PSIG	Max. Pressure	Each
L36-926	P20BB-1	Open-on-Fall	7 to 150	Manual Reset	250	**245.00**
L36-927	P20DB-1	Open-on-Rise	100 to 425	Manual Reset	450	**265.00**
L36-928	P20EB-1	SPDT	7 to 150	30 Fixed	250	**229.00**
L36-929	P20EB-2	SPDT	100 to 425	70 Fixed	450	**255.00**

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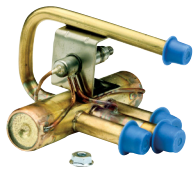
Solenoid Operated Reversing Valves

RANCO

- For unitary, spilt systems and window-type heat pump applications
- Instantaneously reversing
- Brass body construction with copper tubes
- Operates on pressure differential between high and low sides of refrigerant system
- Valves come less coil — proper coil should be ordered separately from the chart below
- Capacity ratings listed below are suggested capacity in tons
- Reversing valves have specific suction and discharge tube sizes as well as restricted refrigerant capacity; therefore the valves are not interchangeable

Warning: Keep valve cool while brazing into heat pump.


A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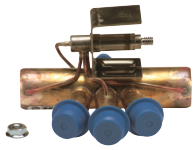
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D

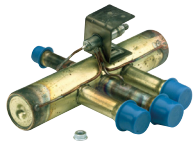

E

Fig.	Order #	Mfg. #	R22 Min. Capacity	R22 Max. Capacity	Discharge Conn.	Suction Conn.	Each
A	**B14-872**	V2-408060-170	0.75	1.6	3/8"	1/2"	**325.00**
B	**B14-873**	V2-408060-270	0.75	1.6	3/8"	1/2"	**365.00**
C	**B14-874**	V2-4100F0-370	0.75	1.6	3/8" O.D.	5/8"	**305.00**
D	**B14-875**	V2-410060-470	0.75	1.6	3/8"	5/8"	**305.00**
E	**B14-876**	V6-412080-170	1.0	4.3	1/2"	3/4"	**365.00**
E	**B14-877**	V6-414080-170	1.0	4.3	1/2"	7/8"	**365.00**
E	**B14-878**	V10-414080-170	3.0	6.8	1/2"	7/8"	**649.00**
E	**B14-879**	V10-414120-170	3.0	7.7	3/4"	7/8"	**645.00**

Coils for V1/V2/V3/V6/V10/V12-4 Series Valves

RANCO



Order #	Mfg. #	Coil Voltage	Watts	Color Code	Each
B14-880	LDK-110000-070	24	4	Red	**85.00**
B14-881	LDK-310000-070	120	4	Black	**95.00**
B14-882	LDK-410000-070	208/240	4	Green	**89.00**

Aluminum Foil Heaters

For Replacement in Philco and Whirlpool/Coldspot

Supco

- Six shapes and wattages for use in mullion, drain trough and spot heater applications


A


B

Fig.	Order #	Mfg. #	Watts	Volts	Length	Width	Each
A	**B11-185**	SH221	6	115	10"	1"	**20.49**
A	**B11-186**	SH222	10	115	24"	1-1/4"	**25.99**
B	**B11-191**	SH226	40	115	10-1/2"	10-1/2"	**55.00**

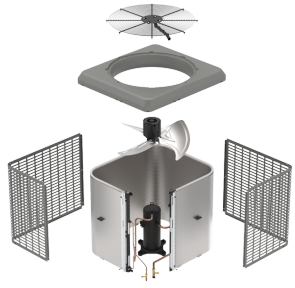
MODEL to PART

Critical Parts When You Need Them

Try it Today

Note: Must have a Johnstone Supply account

+ Featuring Mini-Splits, Residential & Commercial HVAC Equipment
+ Thousands of new products added including Trane and Carrier
+ Original, Aftermarket & Universal Part Options
+ Real-Time Pricing & Availability



NEW & INNOVATIVE TOOLS
TO GET THE JOB DONE!

HVAC\R





H29-086
KNECT™ Impact-Rated Pass Through Socket Set, 32-Piece



H28-878
Flip Impact Socket Set, 7-Piece



H28-946
Rechargeable Pro Thermal Imager with WiFi



H28-944
2-in-1 Insulated Electronics Screwdriver, Phillips, Slotted Bits

H28-948
11-IN-1 Screwdriver



H28-986
7-in-1 Impact Rated Flip Socket with Handle

H28-942
Plier Wrench, 10-Inch



Hand Tools

Hex Key Sets 1410-1411
Inspection Tools 1440-1441
Knives & Multi-Tools 1424-1426
Measuring Instruments 1441-1442
Nut Drivers 1416-1417
Pipe and Tubing Cutters 1427
Saws 1427-1428
Screwdrivers 1411-1416
Sheet Metal Cutting Tools 1428-1429
Sheet Metal Duct & Ductboard Tools . . 1429-1436
Specialty Tools 1437-1440
Staple Guns & Riveters 1437
Wrenches, Pliers & Cutters 1418-1424

Power Tools

Accessories 1463-1473
Corded Tools 1463
Cordless Tools 1452-1462
Flashlights 1442-1447
Industrial Batteries 1447-1448
Pressure Washers & Tube Cleaners . . . 1448-1450
Vacuums 1450-1451

Refrigeration & AC Tools

Charging Hoses & Accessories 1356-1361
Digital Manifolds 1345-1348
Manifolds & Accessories 1348-1355
Refrigerant Leak Detectors 1342-1345
Refrigerant Recovery 1340-1342
Scales 1368-1369
Tubing & Service Tools 1369-1376
Vacuum Gauges 1367-1368
Vacuum Pumps & Accessories 1361-1367

Safety

Safety Gear & Supplies 1403-1410

Straps & Tie Downs

Straps & Tie Downs 1397

Test Instruments

Airflow & Pressure Measurement 1491-1495
Clamp Meters 1482-1483
CO Detectors 1496
Combustible Gas Leak Detectors 1495-1496
Combustion Analyzers 1496-1499
Data Loggers & Recorders 1479-1481
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Tool Storage

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Brazing & Soldering Supplies 1391-1397
MAP-Pro™ & Propane Hand Torches . 1387-1389
Nitrogen Purging 1383-1387
Oxy-Acetylene Outfits 1379-1383
Plasma Cutting Systems 1389

G5Twin Refrigerant Recovery Unit



- A2L compatible
- Oil-less compressor with twin cylinders and twin condensers for greatly reduced liquid and vapor recovery time, up to 2–4 times faster
- 1/2 HP high-torque ball bearing motor with 550 PSI cutoff switch
- Heavy-duty crankcase isolated from refrigerant protects bearings for long life
- High-speed, high-pressure turbine fan with over 600 CFM for cooling
- Simple 2-valve unit control
- Field serviceable modular construction with easy to replace gauges and easy-to-clean inlet filter screen
- Compact casing with rubber over-molded ergonomic handle
- No purge required

Order #	Mfg. #	Vapor Rec. Rate - R22	Liquid Rec. Rate - R22	Push/Pull Rate R22	Width	Height	Depth	Wt. Lbs.	Each
H93-103	G5TWIN	0.62 Lbs./Min.	10.36 Lbs./Min.	16.62 Lbs./Min.	9.4"	10.3"	13.75"	24	**2145.00**

G1Single Refrigerant Recovery Unit



- A2L compatible
- Oil-less compressor for rapid liquid and vapor recovery
- 1/2 HP high-torque ball bearing motor with 550 PSI cutoff switch
- Heavy-duty crankcase isolated from refrigerant protects bearings for long life
- High-speed, high-pressure turbine fan blasting 600 CFM of cooling air over the entire assembly
- Advanced design: no purge and no throttling required
- Easily field serviceable: can be fully rebuilt in 20–30 minutes

Order #	Mfg. #	Vapor Rec. Rate - R22	Liquid Rec. Rate - R22	Push/Pull Rate R22	Width	Height	Depth	Wt. Lbs.	Each
H93-129	G1SINGLE	0.26 Lbs/Min.	8.55 Lbs/Min.	10.80 Lbs/Min.	9.4"	10.3"	11.4"	22	**1545.00**

MR45 Refrigerant Recovery Unit



- A2L compatible
- Powerful, variable speed, 1 HP DC motor
- Minimizes liquid slugging and maximizes vapor recovery with auto adjusting RPMs
- Large micro channel condenser for faster cooling
- Large backlit dual LCD display with status messages
- One push start, auto shutoff and self-purge
- Easy hose connections and built-in power cord storage
- For use with all common non-flammable refrigerants including R410A

Order #	Mfg. #	Vapor Rec. Rate - R22	Liquid Rec. Rate - R22	Push/Pull Rate R22	Width	Height	Depth	Wt. Lbs.	Each
H93-215	MR45	0.62 Lbs/Min.	10.34 Lbs/Min.	10.08 Lbs/Min.	9.8"	13.5"	14.8"	22	**2245.00**

F6 Boost Ignition Proof Refrigerant Recovery Unit



- A2L compatible
- Dual piston design for fast recovery
- Sealed internal start components with ignition proof switch
- Powerful 1.25 HP BLDC (Brushless DC) motor-drive oilless compressor
- High air-flow fan with a micro-channel condenser keeps the unit running cool
- Built in purge functionality to prevent cross contamination
- Auto shut-off when recovery is complete
- Dual voltage (100 to 240VAC)
- Recessed folding handle with rubber grip and padded shoulder strap

Order #	Mfg. #	Vapor Rec. Rate - R22	Liquid Rec. Rate - R22	Push/Pull Rate R22	Width	Height	Depth	Wt. Lbs.	Each
H86-193	F6-BOOST	0.77 Lbs./Min.	12.40 Lbs./Min	13.43 Lbs./Min.	9.5"	12"	14.5"	24	**2145.00**

PRO-SET® Molecular Transformator



- Increase performance of any recovery machine
- Cuts recovery time in half
- Functions as submersible condenser or evaporator
- Transforms hot refrigerant gas molecules into refrigerant liquid molecules
- Transforms cold refrigerant liquid molecules into a warm refrigerant gas
- Maintenance free
- Rugged, compact and easy to use

Order #	Mfg. #	Width	Height	Depth	Wt. Lbs.	Each
H27-417	MT69	4"	12"	4"	5	**349.00**

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Refrigerant Recovery Unit Pre-Filters

- Contains special filtering media which maximize removal of debris
- For temporary use only; should be changed after maximum of 200 lbs. of refrigerant processing (sooner depending on actual system conditions)
- Capacity ratings are refrigerant flow capacity at 2 PSI pressure drop



Order #	Mfg. #	Conn. Size	Cubic Inches	Length	Each
B11-929	PF052	1/4" SAE	5	4.38"	**119.00**
B11-930	PF052MF	1/4" SAE M x F	5	5.02"	**119.00**

Refrigerant Labels

- Color-coded, self-adhesive
- Environmental safety notice (**B12-008**) for use when discarding old, unrepairable equipment



Order #	Mfg. #	For Use With	Type	Color	Size	Pkg. Qty.	Each
B11-900	04022	R22	Refrigerant	Green	3" x 4"	10	**30.99**
B11-994	04134	R134a	Refrigerant	Sky Blue	3" x 4"	10	**30.49**
B21-506	04402	R402A	Refrigerant	White	3" x 4"	10	**30.49**
B12-342	04404	R404A	Refrigerant	Bright Orange	3" x 4"	10	**30.49**
B13-007	04407	R407C	Refrigerant	Caramel	3" x 4"	10	**30.49**
B13-008	04410	R410A	Refrigerant	Lavender	3" x 4"	10	**30.49**
B21-505	04099	R438A	Refrigerant	Blue	3" x 4"	10	**31.49**
B12-008	04850	Removal	Equipment	White	5" x 6"	10	**29.99**

DOT-Approved Recovery Cylinders

- 2-tone, gray and yellow, for recovered refrigerants
- Powder coated cylinder for a high gloss, durable finish
- Y-valve for liquid or vapor on 30# and 50# tanks
- Dual port CGA 660 liquid/vapor valve protected by a threaded steel cap on 123# tank
- Reusable and conforms to DOT-4BA specifications and AHRI guidelines
- Suitable for recovery of R410A refrigerant


A


B


C

Fig.	Order #	Mfg. #	Nom. Lbs.	Water Capacity	Diam.	Overall Length	Wt. Lbs.	Each
A	**H93-168**	285311P	16.9	26.1	9.2"	18"	30	**325.00**
B	**H93-169**	285397P	29.3	47.7	12.2"	19.3"	50	**435.00**
C	**H93-165**	295055	58	123	10"	54.8"	123	**855.00**

Individual Quick Connect Test Gauges

- Designed for quick pressure checks on recovery tanks
- Brass 1/4" quick connect fitting



Order #	Mfg. #	Description	Each
H26-713	40331	2-1/2" Pressure Test Gauge for R12, R22 & R502	**85.00**
H26-714	40332	2-1/2" Compound Test Gauge for R12, R22 & R502	**95.00**

Individual Quick Connect Test Gauges



- Designed for quick pressure checks on tanks or larger systems
- Brass 1/4" quick connect fitting

Order #	Mfg. #	Description	Each
H28-218	QC-G851	3-1/8" Compound Test Gauge for R22, R134A & R404A	119.00
H28-219	QC-G856	3-1/8" Pressure Test Gauge for R22, R134A & R404A	119.00
H28-220	QC-G430	2-1/2" Compound Test Gauge for R22, R134A & R404A	89.00
H28-221	QC-G434	2-1/2" Pressure Test for R22, R134A & R404A	89.00
H28-222	QC-G825	3-1/8" Pressure Test Gauge for R22, R404A & R410A	119.00
H28-223	QC-G820	3-1/8" Compound Test Gauge for R22, R404A & R410A	119.00
H28-224	QC-G465	2-1/2" Pressure Test Gauge for R22, R404A & R410A	89.00
H28-225	QC-G460	2-1/2" Compound Test Gauge for R22, R404A & R410A	89.00

D-TEK Stratus™ Refrigerant Leak Detector and Portable Monitor



Hazardous Material Shipping Alert

- Dual mode functionality to find leaks faster
- Cloud hunting mode finds area highest in concentration and classic pinpoint mode locates the exact leak point
- Sensitivity of 0.10 oz./year (3 g/a)
- Detects all CFCs, HCFCs, HFCs and HFOs including A2Ls
- Large easy-to-read LCD display
- Automatic and manual zero modes
- Includes spare filters, AC wall charger, DC vehicle charger, ear buds and carrying case

Warning: This product contains lithium batteries and cannot be shipped by air

Order #	Mfg. #	Each
H86-087	724-202-G1	2699.00

D-TEK® 3 Infrared Refrigerant Leak Detector



Hazardous Material Shipping Alert

- A2L compatible
- Minimum sensitivity of 0.03 oz./year (1 g/a)
- Detects all CFCs, HCFCs, HFCs, HFOs and blends including A2Ls
- Low, medium, high and super sensitivity settings with pinpoint and manual zero modes
- Easy field replacement of sensor
- Optional CO2 sensor sold separately with sensitivity of 0.07 oz./year (2 g/a)
- Includes spare filters, AC wall charger and carrying case

Warning: This product contains lithium batteries and cannot be shipped by air

Order #	Mfg. #	Each
H93-222	721-202-G1	1345.00

TEK-Mate® Heated Diode Refrigerant Leak Detector



- A2L compatible
- Sensitivity of 0.25 oz./year (7 g/a)
- Detects all CFCs, HCFCs, HFCs, and HFOs
- No false alarms from soap solutions
- Includes spare filters, 2 D batteries and carrying case

Order #	Mfg. #	Each
H25-784	705-202-G1	565.00

Leak Detector Replacement Parts and Accessories

Hazardous Material Shipping Alert

Warning: This product contains lithium batteries and cannot be shipped by air

Order #	Mfg. #	Description	Each
H25-785	703-020-G1	Replacement Sensor (for TEK-Mate, Compass and Old D-Tek)	145.00
H26-260	705-600-G1	Filters 20-Pk. (for TEK-Mate and Compass)	55.00
H26-398	712-701-G1	Replacement Sensor (for D-TEK Select)	305.00
H26-647	712-707-G1	Filters 5-Pk. for D-TEK Select	69.00

Order #	Mfg. #	Description	Each
H26-397	712-700-G1	NiMH Battery (for D-TEK Select and Compass)	145.00
H28-706	724-701-G1	Replacement Sensor for D-TEK 3	325.00
H28-707	724-701-G2	CO2 Sensor for D-TEK 3	665.00
H28-708	721-702-G1	Replacement Battery for D-TEK 3	225.00

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Whisper Ultrasonic Leak Detector

- A2L compatible
- Detects ultrasonic frequencies generated by leaks of any gas under pressure or vacuum
- Uses heterodyne signal to allow leaks to be heard by the human ear
- Adjustable sensitivity
- 165-hour battery life
- Optional **H27-055** transmitter helps check seals in enclosed spaces such as freezer cases or tanks
- Includes rubber probe extension, headphones, batteries and hard plastic storage case
- 2-year replacement warranty



Order #	Mfg. #	Description	Each
H27-054	711-202-G1	Whisper Ultrasonic Leak Detector	**709.00**
H27-055	711-600-G1	Whisper Ultrasonic Transmitter	**285.00**

Refrigerant Monitors

- For standalone constant monitoring of refrigerant gas
- Easy field service with single point calibration
- 3 adjustable alarm set points with relay outputs tie to any system or device
- LDM150R monitors include remote sensors



Order #	Mfg. #	Description	Each
H28-987	743-202-HFC	LDM150 Refrigerant Monitor for HFCs, CFCs, HCFCs, HFOs, and A2Ls	**1345.00**
H28-709	743-203-HFC	LDM150R Refrigerant Monitor for HFCs, CFCs, HCFCs, HFOs, and A2Ls	**1499.00**
H28-710	743-203-R290	LDM150R Refrigerant Monitor for R290, R600 and R441a	**2199.00**

Refrigerant Monitor Replacement Parts and Accessories

Order #	Mfg. #	Description	Each
H28-711	743-600-G1	MCT150 Monitor Calibration Tool	**1345.00**
H28-712	743-707-G1	Red Flashing Siren	**599.00**

Infrared Refrigerant Leak Detector

- A2L compatible
- Large LCD to display leak information
- Detects CFC, HFC, HCFC, HFO and blends
- Numerical leak size indicator, bar graph, audio speaker and lighted tip
- Does not trigger on oil or soap bubbles
- Sensor life up to 10 YEARS
- USB-C rechargeable lithium-ion battery with up to 18 hour battery life per charge
- Certified IP54
- Includes rugged case and 5 replacement filter tips

Warning: This product contains lithium batteries and cannot be shipped by air



Hazardous Material Shipping Alert

Order #	Mfg. #	Each
H28-729	DR82	**1099.00**

Heated Diode Refrigerant Leak Detector

- A2L compatible
- Large LCD to display leak information
- Detects CFC, HFC, HCFC, HFO and A2Ls
- Numerical leak size indicator, bar graph, audio speaker and lighted tip
- Sensor life up to 300 Hours (field replaceable)
- USB-C rechargeable lithium-ion battery with up to 18 hour battery life per charge
- Certified IP54
- Includes rugged case and 5 replacement filter tips

Warning: This product contains lithium batteries and cannot be shipped by air



Hazardous Material Shipping Alert

Order #	Mfg. #	Each
H28-728	DR58	**755.00**

BigEZ™ Fluorescent Dye Injection System

- A2L compatible
- Concentrated, co-solvent free dye remains safely in the system
- Inject dye into the system with a turn of the handle
- Calibrated cartridge provides exact dosing for multiple systems
- Multi-dose reusable cartridge
- Each cartridge treats up to 16 gallons of lubricant, 400 pounds of refrigerant or 150 tons of cooling
- Compatible with all medium-large sized A/C&R system pressures up to 200 PSI
- BigEZ Complete kit includes SPE-HVL-CS LED flashlight with 3 AAA batteries, SPE-BEZ5E-4CS dye cartridge, BEZ-50 BigEZ dye injector assembly, BEZ-25 hose assembly with low-loss fitting and check valve, UVS-40 glasses and GLO-AWAY Plus dye cleaner



Order #	Mfg. #	Description	Each
H28-586	SPE-HVLBEZE	BigEZ Complete Dye Injection Kit	**815.00**
H28-587	SPE-BEZ5E-4CS	BigEZ Fluorescent Dye Cartridge	**365.00**

EZ-Ject™ Fluorescent Dye Injection System



- A2L compatible
- Concentrated, co-solvent free dye remains safely in the system
- Multi-dose reusable cartridge, inject with the turn of a handle
- Each cartridge treats up to 2 gallons of lubricant, 25 pounds of refrigerant or 12 tons of cooling
- Compatible with all systems and system pressures up to 450 PSI
- EZ-Ject Complete kit includes SPE-HVL-CS LED flashlight with 3 AAA batteries, (2) SPE-EZ5E-CS dye cartridges, EZ-50 EZ-Ject dye injector assembly, EZ-25 hose assembly with low-loss fitting and check valve, 128186 R-410a adapter, UVS-40 glasses and GLO-AWAY Plus dye cleaner
- A2L Compatible
- Standard EZ-Ject kit includes (2) SPE-EZ5E-CS dye cartridges, EZ-50 EZ-Ject dye injector assembly, EZ-25 hose assembly with low-loss fitting and check valve and 128186 R-410a adapter

Order #	Mfg. #	Description	Each
H28-578	SPE-HVLEZE	EZ-Ject Complete Dye Injection Kit	**489.00**
H28-579	SPE-EZ100E-CS	EZ-Ject Dye Injection Kit	**299.00**
H28-580	SPE-EZ5E-CS	EZ-Ject Fluorescent Dye Cartridge	**42.99**
H28-829	SPE-EZDS-CS	EZ-Ject GLO-SEAL Cartridge	**59.00**

GLO-STICK® Fluorescent Dye Capsule System



- A2L compatible
- Convenient and mess-free with single-dose capsules
- Choose from 4 sizes/concentrations to match system capacity
- Inject dye while charging with refrigerant or when connecting from the high side to the low side
- Compatible with all systems and overcomes system pressures up to 450 PSI
- SPE-GS1E-CS capsules treat up to 1.6 quarts of lubricant, 4.9 pounds of refrigerant or 2 tons of cooling
- SPE-GS2E-CS capsules treat up to 3.2 quarts, 9.9 pounds of refrigerant or 6 tons of cooling
- SPE-GS3E-CS capsules treat up to 2 gallons of lubricant, 25 pounds of refrigerant or 12 tons of cooling
- GLO-STICK Complete kit includes SPE-HVL-CS LED flashlight with 3 AAA batteries, SPE-GS1E, SPE-GS2E (2), SPE-GS-3E dye capsules, BV-50 bleed valve, EZ-25 hose assembly with low-loss fitting and check valve, PC-0249 purge capsule, 128186 R-410a adapter, UVS-40 glasses and GLO-AWAY Plus dye cleaner

Order #	Mfg. #	Description	Each
H28-581	SPE-HVLGSE	GLO-STICK Complete Dye Injection Kit	**489.00**
H28-585	SPE-GS3E-CS	GLO-STICK 3E Fluorescent Dye Capsule	**49.99**
H28-583	SPE-GS1E-CS	GLO-STICK 1E Fluorescent Dye Capsule	**28.99**
H28-584	SPE-GS2E-CS	GLO-STICK 2E Fluorescent Dye Capsule	**36.99**
H28-830	SPE-GSDS-CS	GLO SEAL Stick Capsule	**59.00**

Leak Detection Kit Replacement Parts and Accessories

Order #	Mfg. #	Description	Each
H28-588	SPE-HVL-CS	Violet Light LED Leak Detection Lamp	**215.00**
H28-831	SPE-MVL-CS	Mini LED UV Flashlight	**95.00**
H25-818	RP-UVS-40	Replacement UV Spectacles	**65.00**
H25-202	RP-BV-50	Bleed Valve	**65.00**
H28-589	RP-GA-2	GLO-AWAY Plus Fluorescent Dye Cleaner	**19.49**

Flash™ High Resolution UV Dye



Hazardous Material Shipping Alert

- Advanced class of UV dye distributes cleanly and instantaneously
- Flashes into refrigerant as a mist for instant distribution
- Leaks revealed in as little as 15 minutes
- Will not react with moisture
- Clean no mess installation
- Compatible with all oils and refrigerants
- Works with all leak detection lights
- No UV enhancement glasses required
- **B17-320** clear hose sold separately

Order #	Mfg. #	Description	Each
B17-319	980	Flash UV Dye	**44.49**
B17-320	20122	Clear Hose w/ Anti-Blow Back Fitting	**41.49**

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UV Leak Detection LED Flashlight

- 7 high intensity UV LEDs
- Easily detects all dyes without UV enhancing glasses
- Magnetic swivel clip and base
- 3 AAA batteries included



Order #	Mfg. #	Description	Each
H28-100	89DC	UV LED Flashlight	**69.00**

SMAN Digital Manifolds with Micron Gauge

NEW

- A2L compatible
- Powerful wireless signal with up to 1000' range
- Displays all critical measurements on one screen
- Wireless compatibility with JL3PC and JL3RH Job Link Probes, SRS3 Scale and Job Link mobile app
- Monitor and record refrigerant weight directly on SMAN using SRS3 scale
- Displays vacuum in microns with timer and alarm
- Data logging stores up to 9 jobs internally with easy export to spreadsheet
- Logs up to 7 days (168 continuous hours)
- Easily check for leaks after repairs or installations with built in tightness test
- Water resistant (IP54 rating)
- Powered by 6 AA batteries
- Includes 2 TC24 type K pipe clamp thermocouples, ATA1 type K bead thermocouple with clip and ANC11 padded drawstring case
- Compatible refrigerants include R11, R12, R13, R22, R23, R32, R113, R114, R115, R116, R123, R124, R125, R134A, R236FA, R245FA, R290, R401A, R401B, R402A, R402B, R403B, R404A, R406A, R407A, R407C, R407F, R408A, R409A, R410A, R413A, R414A, R414B, R416A, R417A ,R417C, R420A, R421A, R421B, R422A, R422B, R422C, R422D, R424A, R427A, R428A, R434A, R438A, R448A, R449A, R450A, R452A, R452B, R453A, R454B, R458A, R500, R501, R502, R503, R507A, R508B, R513A, R600, R600A, R601, R601A, R744, R1233ZD, R1234YF and R1234ZE



Order #	Mfg. #	Description	Each
H86-304	SM382V	3-Port, 2-Valve Digital Manifold	**1245.00**
H86-305	SM482V	4-Port, 4-Valve Digital Manifold	**1645.00**

Job Link™ Probes

- A2L compatible
- Powerful wireless signal with up to 1000' range
- Directly transmits to iOS or Android devices with free Job Link app
- Pipe clamp Rapid Rail™ sensor stabilizes in under 5 seconds
- Automatic calibration and long battery life
- Powered by 2 AAA batteries per probe (included)
- JL3KR4 Charge Test Kit includes 2 pressure probes, 2 pipe clamps and carrying case
- JL3KH6 Charge and Air Kit includes 2 psychrometer probes, 2 pressure probes, 2 pipe clamps and carrying case



Order #	Mfg. #	Description	Each
H28-466	JL3RH	Job Link Flex Psychrometer Probe	**325.00**
H28-467	JL3PR	Job Link Pressure Probe	**299.00**
H28-468	JL3PC	Job Link Premium Pipe Clamp Probe	**299.00**
H28-469	JL3KR4	Job Link Charge Test Kit	**995.00**

Order #	Mfg. #	Description	Each
H28-470	JL3KH6	Job Link Charge and Air Kit	**1599.00**
H28-685	JL3LC	Job Link Premium Large Pipe Clamp Probe	**349.00**
H28-472	ANC18	Job Link Probe Kit Case	**175.00**

System Selector
Free • Simple • Intuitive
Current and Accurate
AHRI certified system matches
System Specific
Critical installation supplies
Search by Features
Such as: SEER2 Ratings, Brand, and BTUH
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550i Digital Manifolds



- A2L compatible
- Fully wireless app-controlled 2-valve digital manifold
- All measurements and documentation via app on your phone or tablet
- Bluetooth 5.0 range of up to 500'
- 90 refrigerants stored with automatic app updates
- Rugged housing with IP54 rated protection
- Includes carrying case
- Compatible refrigerants include R407H, R23, R290, R1234YF, R442A, R134A, R123, R452B, R438A, R421A, R453A, R401B, R1233ZD, R410A, R407A, R407C, R452A, R401A, R422C, R427A, R422B, R424A, R125, R414B, R404A, R408A, R448A, R422D, R12, R114, R421B, R449A, R409A, R420A, R444B, R32, R454A, R124, R402A, R450A, R407F, R416A, R13, R437A, R1234ZE, R454B, R402B, R22, R434A, R454C, R455A, R458A, R500, R502, R503, R507, R513A, R600A, R718 (H_2O), R744 (CO_2), R11, FX80, I12A, R1150, R1270, R13B1, R14, R142B, R152A, R161, R170, R227, R236FA, R245FA, R401C, R406A, R407B, R407D, R41, RA11A, R412A, R413A, R417A, R417B, R417C, R422A, R426A, R508A, R508B, R600, RIS89, SP22

Order #	Mfg. #	Description	Each
H86-147	0564-2550-01	550i Digital Manifold	**779.00**
H86-148	0564-3550-01	550i Digital Manifold Kit w/Wireless Temp Probes	**1245.00**
H86-149	0564-4550-01	550i Digital Manifold Kit w/Wireless Temp and Vac Probes	**1399.00**
H86-150	0564-5550-01	550i Digital Manifold Kit w/Wireless Temp and Thermohygrometer	**1499.00**

550s and 557s Digital Manifolds



- A2L compatible
- Fast measurement and easy operation via extralarge graphic display
- All measurements and documentation can also be done via app on your phone or tablet
- Bluetooth 5.0 range of up to 500'
- 90 refrigerants stored with automatic app updates
- Rugged housing with IP54 rated protection
- Includes carrying case
- Compatible refrigerants include R407H, R23, R290, R1234YF, R442A, R134A, R123, R452B, R438A, R421A, R453A, R401B, R1233ZD, R410A, R407A, R407C, R452A, R401A, R422C, R427A, R422B, R424A, R125, R414B, R404A, R408A, R448A, R422D, R12, R114, R421B, R449A, R409A, R420A, R444B, R32, R454A, R124, R402A, R450A, R407F, R416A, R13, R437A, R1234ZE, R454B, R402B, R22, R434A, R454C, R455A, R458A, R500, R502, R503, R507, R513A, R600A, R718 (H_2O), R744 (CO_2), R11, FX80, I12A, R1150, R1270, R13B1, R14, R142B, R152A, R161, R170, R227, R236FA, R245FA, R401C, R406A, R407B, R407D, R41, RA11A, R412A, R413A, R417A, R417B, R417C, R422A, R426A, R508A, R508B, R600, RIS89, SP22

Order #	Mfg. #	Description	Each
H86-151	0564-5501-01	550s 2-Valve Digital Manifold Basic Kit w/Wired Temp Probes	**1045.00**
H86-152	0564-5502-01	550s 2-Valve Digital Manifold Smart Kit w/Wireless Temp Probes	**1399.00**
H86-153	0564-5504-01	550s 2-Valve Digital Manifold Smart Kit w/Wireless Temp and Vac Probes	**1699.00**
H86-154	0564-5505-01	550s 2-Valve Digital Manifold Smart Kit w/Wireless Temp/Vac Probes and Hoses	**1945.00**
H86-155	0564-5571-01	557s 4-Valve Digital Manifold Smart Vacuum Kit w/Wireless Temp and Vac Probes	**1899.00**
H86-156	0564-5572-01	557s 4-Valve Digital Manifold Smart Vacuum Kit w/Wireless Temp/Vac Probes and Hoses	**2199.00**

570 4-Valve Digital Manifolds



- A2L compatible
- Long-term measurements with intelligent error analysis
- Measuring accuracy of 0.25% fs
- Up to 360 hours battery life
- IP54 protection class
- Compatible with the testo Smart App
- Carrying case
- **H86-277** includes two testo 115i wireless clamp temperature probes and a 552i wireless vacuum probe
- **H86-278** includes the 115i and 552i probes and a 4 piece hose set

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Each
H86-276	0564-5701-01	570 4-Valve Digital Manifold	**1799.00**
H86-277	0564-5702-01	570 4-Valve Digital Manifold Vacuum Probes Kit	**2245.00**
H86-278	0564-5703-01	570 4-Valve Digital Manifold Vacuum Probes and Hose Kit	**2445.00**

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Wireless Smart Probes

- A2L compatible
- Wireless probes for common HVACR measurements
- Remotely read and analyze measurements from up to 8 probes
- Bluetooth connectivity for use with iOS and Android devices with free app
- Up to 350' Bluetooth Range
- Save results as PDF or Excel files and create custom reports that can be saved or shared via email



Order #	Mfg. #	Description	Each
H28-182	0560-1405-01	405i Hot Wire Anemometer Smart Probe	**389.00**
H28-183	0560-1410-01	410i Vane Anemometer Smart Probe	**359.00**
H28-184	0560-1510-01	510i Differential Pressure Smart Probe	**415.00**
H28-617	0560-2115-03	115i Pipe Clamp Thermometer Smart Probe	**225.00**
H28-618	0560-2549-03	549i Refrigeration Pressure Smart Probe	**325.00**
H28-619	0560-2605-03	605i Thermo-Hygrometer Smart Probe	**345.00**
H28-188	0560-1805-01	805i IR Thermometer Smart Probe	**325.00**
H28-787	0563-4915	915i Thermometer Flexible Smart Probe	**305.00**

Order #	Mfg. #	Description	Each
H28-788	0602-5093	915i Temperature Probe Kit	**379.00**
H86-095	0563-0002-20	Refrigeration/AC Smart Probe Kit	**1045.00**
H86-096	0563-0009	Refrigeration/AC Smart Probe Test/Load Kit	**1745.00**
H86-097	0563-0007	HVACR Complete Smart Probe Kit	**3099.00**
H28-193	0516-0240	Refrigeration Smart Probe Case	**109.00**
H28-194	0516-0260	Ventilation/AC Smart Probe Case	**109.00**
H28-195	0516-0270	Hydronic Heating Smart Probe Case	**109.00**

Digital Manifold Replacement Parts and Accessories

Order #	Mfg. #	Description	Each
H28-725	0564-2552-01	552i Vacuum Smart Probe	**489.00**
H28-726	0613-5507	Temperature Probe Set (2-Pk.)	**199.00**

Order #	Mfg. #	Description	Each
H28-727	0564-1001	Magnetic Belt	**169.00**

TITANMAX™ Digital Manifolds

◀ NEW

- A2L compatible
- Bluetooth range up to 1,000'
- Calculates and displays temperatures, pressures, superheat and subcooling
- 5" high resolution, full color, backlit touchscreen display
- On-board data logging
- Pressure hold mode
- External vacuum sensor with high and low alarms
- Temperature clamps for up to 1-5/8" pipes
- Compatible with YJACK VIEW app
- Rechargeable battery with USB-C cable
- Kits include PLUS II hoses and backpack
- **H86-292** wireless kit includes YJACK VAC vacuum gauge and 2 YJACK temperature clamps



Order #	Mfg. #	Description	Each
H86-289 ◀	40881	TITANMAX™ Digital Manifold	**1899.00**
H86-290 ◀	40880	TITANMAX™ Digital Manifold Kit	**2299.00**
H86-291 ◀	40885	TITANMAX™ Digital Manifold Ball Valve Kit	**2699.00**
H86-292 ◀	40887	TITANMAX™ Digital Manifold Wireless Kit	**3199.00**

TITANMAX Digital Manifold Replacement Parts and Accessories

◀ NEW

Order #	Mfg. #	Description	Each
H28-532	67010	Pipe Clamp Probe	**115.00**
H86-294 ◀	40846	TITAN® Temperature Clamp	**155.00**
H28-672	67031	Adjustable Temperature Probe Strap	**145.00**

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YELLOW JACKET

YJACK™ Series Wireless Kits and Accessories

◀ NEW

- A2L compatible
- YJACK products create a network of connected wireless devices for HVAC/R diagnostics
- Multiple devices can measure system and environmental parameters simultaneously and communicate directly with YJACK compatible digital manifolds
- Free YJACK VIEW app provides ease of access to all information measured by the YJACK devices
- Utilizes Low Energy Bluetooth® (BLE) technology to interconnect with each other and smart Android or iOS devices



Order #	Mfg. #	Description	Each
H28-665	67060	YJACK PATH Range Extender	**225.00**
H28-666	67061	YJACK Temperature Clamp	**265.00**
H28-667	67062	YJACK Temperature Strap	**289.00**
H28-668	67063	YJACK DEW Psychrometer	**365.00**
H28-669	67070	YJACK Temperature Clamp Kit	**725.00**
H28-670	67071	YJACK Temperature/Humidity Kit	**1345.00**
H28-754	67065	YJACK PRESS Pressure Gauge	**415.00**
H28-755	67066	YJACK VAC Vacuum Gauge	**515.00**
H28-756	67067	YJACK AMP Current Probe	**315.00**
H86-176	67072	YJACK Charging Kit	**1499.00**
H86-177	67073	YJACK Charging and Air Kit	**2145.00**
H86-178	67074	YJACK Charging and Evacuation Kit	**1999.00**
H28-833	67068	YJACK MANO Dual Port Manometer	**495.00**
H29-013 ◀	67069	YJACK FLOW™ Anemometer	**725.00**

YELLOW JACKET

Brute II™ and Titan™ 4-Valve Manifolds

- Valves are front mounted for fast easy access
- Proven sliding double O-ring piston for reliability and long service life
- Each manifold is individually tested before shipping
- Slip resistant handle design
- Lifetime warranty on manifold bar and stem assembly
- **H86-199**, **H86-200**, **H28-837** and **H28-838** have R32/R410A gauges
- **H28-912**, **H28-913**, **H28-914**, **H28-915** compatible with R-32/454B/410A



Order #	Mfg. #	Body Type	Hose Conn.	Gauge Size	Non-Flutter Gauge	Sight Glass	Hose Set	Hose Fitting	R22	R134A	R404A	R407C	R410A	R422D	Each
Brute II															
H85-488	46022	Aluminum	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	Y	Standard	Y	—	Y	—	Y	—	**775.00**
H85-489	46032	Aluminum	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	Y	Standard	—	Y	Y	Y	—	—	**775.00**
H85-553	46010	Aluminum	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	—	—	Y	—	Y	—	Y	—	**559.00**
H85-554	46013	Aluminum	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	Y	Ball Valve	Y	—	Y	—	Y	—	**1045.00**
H86-199	46000	Aluminum	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	—	—	—	—	—	—	Y	—	**575.00**
H86-200	46003	Aluminum	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	Y	Ball Valve	—	—	—	—	Y	—	**1099.00**
H28-912	46014	Aluminum	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	—	—	—	—	—	—	—	—	**569.00**
H28-913	46015	Aluminum	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	y	Ball Valve	—	—	—	—	—	—	**1099.00**
H28-838	49960	Aluminum	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	Y	Ball Valve	—	—	—	—	Y	—	**789.00**
H28-837	49962	Aluminum	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	—	—	—	—	—	—	Y	—	**465.00**
Titan															
H28-914	49974	Aluminum	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	—	—	—	—	—	—	—	—	**459.00**
H28-915	49975	Aluminum	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	Y	Ball Valve	—	—	—	—	—	—	**885.00**
H26-863	49963	Aluminum	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	—	—	Y	—	Y	—	Y	—	**419.00**
H26-499	49967	Aluminum	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	Y	Standard	Y	—	Y	—	Y	—	**655.00**
H26-501	49987	Aluminum	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	Y	Standard	Y	Y	Y	—	—	—	**655.00**
H26-871	49900	Aluminum	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	Y	Standard	—	—	—	—	—	Y	**699.00**

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Series 41 and Titan™ 2-Valve Manifolds

- Bold easy-to-read gauges
- Double O-ring non-rotating pistons for long life
- Each manifold is individually tested before shipping
- Flutterless technology minimizes needle pulsation for more accurate readings
- Lifetime warranty on manifold bar and stem assembly
- **H28-835** and **H28-836** have R32/R410A gauges
- **H28-910** and **H28-911** compatible with R-32/454B/410A


A


B

Fig.	Order #	Mfg. #	Body Type	Hose Conn.	Gauge Size	Non-Flutter Gauge	Sight Glass	Hose Set	Hose Fitting	R12	R22	R134A	R404A	R410A	R502	Each
Series 41																
A	**H26-416**	41212	Brass	1/4"	2-1/2"	Y	—	—	—	Y	Y	—	—	—	Y	**215.00**
A	**H25-711**	41215	Brass	1/4"	2-1/2"	Y	—	Y	Standard	Y	Y	—	—	—	Y	**275.00**
A	**H27-555**	41202	Brass	1/4"	2-1/2"	Y	—	—	—	—	Y	Y	Y	—	—	**179.00**
A	**H27-556**	41211	Brass	1/4"	2-1/2"	Y	—	Y	Standard	—	Y	Y	Y	—	—	**289.00**
A	**H26-848**	41712	Brass	1/4"	2-1/2"	Y	—	—	—	—	—	—	—	Y	—	**179.00**
A	**H26-847**	41709	Brass	1/4"	2-1/2"	Y	—	Y	Standard	—	—	—	—	Y	—	**379.00**
A	**H26-419**	42005	Brass	1/4"	3-1/8"	Y	—	—	—	—	Y	Y	Y	—	—	**209.00**
A	**H26-420**	42006	Brass	1/4"	3-1/8"	Y	—	Y	Standard	—	Y	Y	Y	—	—	**349.00**
A	**H26-423**	42001	Brass	1/4"	3-1/8"	Y	—	—	—	—	Y	—	Y	Y	—	**209.00**
A	**H26-424**	42004	Brass	1/4"	3-1/8"	Y	—	Y	Standard	—	Y	—	Y	Y	—	**349.00**
A	**H28-835**	42021	Brass	1/4"	3-1/8"	Y	Y	—	—	—	—	—	—	Y	—	**215.00**
A	**H28-836**	42024	Brass	1/4"	3-1/8"	Y	Y	Y	Standard	—	—	—	—	Y	—	**359.00**
A	**H28-910**	42035	Brass	1/4"	3-1/8"	Y	—	—	—	—	—	—	—	—	—	**225.00**
A	**H28-911**	42036	Brass	1/4"	3-1/8"	Y	—	Y	Standard	—	—	—	—	—	—	**415.00**
Titan																
B	**H26-860**	49863	Aluminum	1/4"	3-1/8"	Y	Y	—	—	—	Y	—	Y	Y	—	**365.00**
B	**H26-496**	49867	Aluminum	1/4"	3-1/8"	Y	Y	Y	Standard	—	Y	—	Y	Y	—	**509.00**
B	**H26-498**	49887	Aluminum	1/4"	3-1/8"	Y	Y	Y	Standard	—	Y	Y	Y	—	—	**509.00**

2-Valve Heat Pump Manifolds

- Two 800 PSI gauges to read pressures in heating or cooling mode
- Large 3-1/8" gauges with 1% accuracy
- Double O-ring non-rotating pistons for long life
- Full porting maximizes capacity and flow
- Forged brass body for durability
- Lifetime warranty on manifold bar and stem assembly



Order #	Mfg. #	Body Type	Hose Conn.	Gauge Size	Non-Flutter Gauge	Sight Glass	Hose Set	Hose Fitting	R22	R407C	R410A	Each
H27-155	42041	Brass	1/4"	3-1/8"	Y	Y	—	—	Y	Y	Y	**225.00**
H27-156	42044	Brass	1/4"	3-1/8"	Y	Y	Y	Standard	Y	Y	Y	**365.00**
H27-248	42055	Brass	1/4"	3-1/8"	Y	Y	Y	Ball Valve	—	—	Y	**605.00**
H27-249	42054	Brass	1/4" & 5/16" Vacuum	3-1/8"	Y	Y	Y	Ball Valve	—	—	Y	**689.00**

Replacement Manifold Gauges and Accessories

Order #	Mfg. #	Description	Each
H26-852	49036	2-1/2" Low Side Gauge for R410A	**65.00**
H27-250	49141	3-1/8" High Side 800 PSI Gauge for R410A	**105.00**
H27-251	49142	3-1/8" Low Side 800 PSI Gauge for R410A	**105.00**
H26-418	49002	2-1/2" Low Side Gauge for R12, R22 and R502	**65.00**
H26-417	49001	2-1/2" High Side Gauge for R12, R22 and R502	**65.00**
H28-121	49051	2-1/2" High Side Gauge for R134A, R404A and R507	**65.00**
H28-122	49052	2-1/2" Low Side Gauge for R134A, R404A and R507	**65.00**
H26-426	49138	3-1/8" Low Side Gauge for R22, R404A and R410A	**79.00**
H26-425	49137	3-1/8" High Side Gauge for R22, R404A and R410A	**79.00**
H26-422	49106	3-1/8" Low Side Gauge for R22, R134A and R404A	**79.00**
H26-421	49105	3-1/8" High Side Gauge for R22, R134A and R404A	**79.00**
H26-872	49112	3-1/8" Low Side Gauge for R417A, 422A and 422D	**79.00**
H26-873	49111	3-1/8" High Side Gauge for R417A, 422A and 422D	**79.00**
H28-916	49117	3-1/8" High Side Gauge for R32/410A/454B	**85.00**
H28-917	49118	3-1/8" Low Side Gauge for R32/410A/454B	**85.00**
H28-918	49217	3-1/8" High Side Gauge for R32/410A/454B	**475.00**

Order #	Mfg. #	Description	Each
H28-919	49218	3-1/8" Low Side Gauge for R32/410A/454B	**475.00**
H27-157	49133	3-1/8" High Side 800 PSI Gauge for R22, R410A and R407C	**105.00**
H27-158	49134	3-1/8" Low Side 800 PSI Gauge for R22, R410A and R407C	**105.00**
H26-548	49512	3-1/2" Low Side Liquid-Filled Gauge for R22	**195.00**
H26-547	49511	3-1/2" High Side Liquid-Filled Gauge for R22	**195.00**
H25-633	49090	2-1/2" Gauge Boots (2-Pk.)	**48.49**
H26-571	49190	3-1/8" Gauge Boots for Older Style Gauges (2-Pk.)	**55.00**
H26-850	49010	2-1/2" Replacement Crystal	**13.99**
H26-855	49100	3-1/8" Replacement Crystal	**17.99**
H26-842	41133	1/4" Piston for Series 41 and Titan	**15.99**
H26-843	41141	Replacement Metal Handle with Screw for Series 41	**12.49**
H26-844	41143	Complete Handle Assembly for Series 41	**36.99**
H28-834	61193	Magnetic Hook (Holds up to 65 Lbs.)	**59.00**
H26-851	49035	2-1/2" High Side Gauge for R410A	**65.00**

4-Valve CO2 Manifolds



- For use with transcritical CO2 systems
- Large, easy-to-read 3-1/2" liquid-filled gauges
- Double o-ring for reliability and long service life
- Mesh in-line filter on all flare fittings
- No sight glass for added safety
- 3/8" vacuum port for faster evacuations
- Includes 3/8" vacuum hose, (3) 1/4" 6' hoses and carrying case

Order #	Mfg. #	Description	Each
H86-173	45925	C02 Transcritical CO2 Manifold Kit w/Hoses	**2045.00**
H86-174	45930	C02 Transcritical CO2 Manifold Kit w/Hoses and Quick Couplers	**3145.00**

Hydrocarbon Charging Kit



- Complete kit to charge and service R290 and R600A hydrocarbon systems
- Single valve manifold and small ID hoses allow for effective system pressure measurement while minimizing the impact on the system charge
- Kit includes compact charging scale, bottle stand for inverted liquid charging, single valve manifold with 24" REFFLEX® charging hoses, bottle valve for 7/16" threaded bottles, bottle adapter for 1" threaded bottles, 90° quick-coupler fitting for compatibility with piercing and other right-angle bottle valves, line tap valve for system connection to 1/4", 5/16" or 3/8" process lines, pinch-off tool for crimping process tube, safety placard and carrying case

Order #	Mfg. #	Each
H86-172	61001	**1099.00**

Single Manifold Gauge for Hydrocarbon Refrigerants



- Quickly check pressure on hydrocarbon systems
- Nylon seal with double O-ring piston

Order #	Mfg. #	Description	Each
H28-673	40339	High Side Manifold for R290, R600, R600a	**175.00**
H28-674	40340	Low Side Manifold for R290, R600, R600a	**175.00**

Mini-Split Tool Kits



- Complete kit for mini-split installation and service
- Heat pump manifold handles all mini-split refrigerants and pressures
- 60" PLUS II 1/4" hose set (red, yellow and blue)
- Eccentric cone flare tool flares 3/16" to 3/4" O.D. tubing
- Hex Key Set includes 5/32", 3/16", 5mm and 6mm
- Adjustable Digital Torque Wrench displays torque measurement and features adjustable spanner head for flare nut sizes 5 to 30 mm
- Tube cutter, deburring tool and 16" nylon tool bag

Order #	Mfg. #	Description	Each
H86-175	60993	Mini-Split Tool Kit	**1499.00**
H86-198	60994	Deluxe Mini-Split Tool Kit	**2099.00**

2-Valve CO2 Manifold



- For use with R744 refrigerant only
- Large 3-1/8" Class 1 pulse-free liquid filled gauges
- Unique spindle valves tighten easily
- Lifetime warranty on manifold bar and stem assembly
- Includes rugged carrying case

Order #	Mfg. #	Body Type	Hose Conn.	Gauge Size	Non-Flutter Gauge	Hose Set	Each
H86-048	30744	Aluminum	1/4"	3-1/8"	Y	Y	**1345.00**

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The Revolver™ 4-Valve Ball Valve Manifolds

- Four internal metering ball valves adjust to finite openings for liquid charging
- Quarter turn to open and close
- Full 3/8" bore lets you work quickly and efficiently
- Hose holders swivel for flexibility
- Lifetime warranty on manifold bar and stem assembly



Order #	Mfg. #	Body Type	Hose Conn.	Gauge Size	Non-Flutter Gauge	Illuminating Gauge	Sight Glass	Hose Set	Hose Fitting	R22	R404A	R410A	Each
H27-275	26233	Brass	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	Y	Y	Standard	Y	Y	Y	**759.00**
H85-749	26246	Brass	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	Y	Y	Secure Seal	Y	Y	Y	**829.00**

The Revolver™ 4-Valve Manifolds for A2L

- A2L compatible
- Four internal metering ball valves adjust to finite openings for liquid charging
- Quarter turn to open and close
- Full 3/8" bore lets you work quickly and efficiently
- hose holders swivel for flexibility
- Lifetime warranty on manifold bar and stem assembly
- Compatible with R32, R454B, and R410A



Order #	Mfg. #	Body Type	Hose Conn.	Gauge Size	Non-Flutter Gauge	Illuminating Gauge	Hose Set	Hose Fitting	R410A	Each
H28-999	26625	Brass	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	—	—	Y	**619.00**
H29-001	26633	Brass	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	Y	Standard	Y	**759.00**

Zeppelin Series 2-Valve Manifolds

- Color-coded refrigerant dials
- Free-floating O-ring sealing system for zero leakage
- Stem seats retract completely for full refrigerant flow
- Surge dampened gauges for reduced pointer movement
- Lifetime warranty on manifold bar and stem assembly



Order #	Mfg. #	Body Type	Hose Conn.	Gauge Size	Non-Flutter Gauge	Illuminating Gauge	Sight Glass	Hose Set	Hose Fitting	R22	R134A	R404A	R410A	Each
H27-282	24125	Aluminum	1/4"	3-1/8"	Y	Y	Y	—	—	Y	Y	Y	—	**239.00**
H26-580	24133	Aluminum	1/4"	3-1/8"	Y	Y	Y	Y	Standard	Y	Y	Y	—	**429.00**
H26-951	24225	Aluminum	1/4"	3-1/8"	Y	Y	Y	—	—	Y	—	Y	Y	**239.00**
H26-581	24233	Aluminum	1/4"	3-1/8"	Y	Y	Y	Y	Standard	Y	—	Y	Y	**429.00**
H26-952	24600	Aluminum	1/4"	3-1/8"	Y	Y	Y	—	—	Y	Y	Y	Y	**495.00**

Zeppelin™ 4-Valve Manifolds

- Color-coded glow-in-the-dark gauges
- Free-floating O-ring sealing system for zero leakage
- "Soft Grip" handwheels and reduced turning to open/close
- Lightweight design with new machined aluminum styling
- Stem seats retract completely for full refrigerant flow
- Double size flow path throughout length of center port
- Lifetime warranty on manifold bar and stem assembly



Order #	Mfg. #	Body Type	Hose Conn.	Gauge Size	Non-Flutter Gauge	Illuminating Gauge	Sight Glass	Hose Set	Hose Fitting	R22	R134A	R404A	R410A	Each
H27-276	25125	Aluminum	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	Y	—	—	Y	Y	Y	—	**429.00**
H85-504	25133	Aluminum	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	Y	Y	Standard	Y	Y	Y	—	**629.00**
H26-946	25225	Aluminum	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	Y	—	—	Y	—	Y	Y	**475.00**
H85-505	25233	Aluminum	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	Y	Y	Standard	Y	—	Y	Y	**629.00**
H85-750	25246	Aluminum	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	Y	Y	Sec. Seal	Y	—	Y	Y	**705.00**
H26-947	25600	Aluminum	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	Y	—	—	Y	Y	Y	Y	**605.00**
H27-277	25708	Aluminum	1/4" & 3/8" Vacuum	4"	Y	Y	Y	Y	Standard	Y	Y	Y	Y	**665.00**

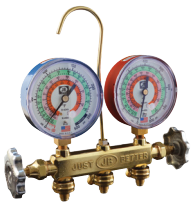
Zeppelin 4-Valve Manifolds for A2L



- A2L compatible
- Free-floating O-ring sealing system for zero leakage
- "Soft Grip" handwheels and reduced turning to open/close
- Lightweight design with new machined aluminum styling
- Stem seats retract completely for full refrigerant flow
- Double size flow path throughout length of center port
- Lifetime warranty on manifold bar and stem assembly
- Compatible with R32, R454B, and R410A

Order #	Mfg. #	Body Type	Hose Conn.	Gauge Size	Non-Flutter Gauge	Illuminating Gauge	Hose Set	Hose Fitting	R410A	Each
H28-997	25625	Aluminum	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	—	—	Y	**475.00**
H28-998	25633	Aluminum	1/4" & 3/8" Vacuum	3-1/8"	Y	Y	Y	Standard	Y	**629.00**

Patriot 2-Valve Manifolds



- Class 1 illuminated gauges with 1% accuracy
- Rugged metal handle design
- Convenient swiveling hose holders
- JB is donating $1 per Patriot manifold sold to support Operation Homefront
- Lifetime warranty on manifold bar and stem assembly

Order #	Mfg. #	Body Type	Hose Conn.	Gauge Size	Non-Flutter Gauge	Illuminating Gauge	Hose Set	Hose Fitting	R22	R134A	R404A	R410A	Each
H85-964	22233L	Brass	1/4"	3-1/8"	Y	LED	Y	Standard	Y	—	Y	Y	**439.00**
H85-886	22500	Brass	1/4"	2-1/2"	Y	Y	—	—	—	—	—	Y	**185.00**
H85-812	22225	Brass	1/4"	3-1/8"	Y	Y	—	—	Y	—	Y	Y	**219.00**
H85-813	22233	Brass	1/4"	3-1/8"	Y	Y	Y	Standard	Y	—	Y	Y	**365.00**
H85-887	22246	Brass	1/4"	3-1/8"	Y	Y	Y	Secure Seal	Y	—	Y	Y	**435.00**
H85-921	22125	Brass	1/4"	3-1/8"	Y	Y	—	—	Y	Y	Y	—	**225.00**
H85-922	22133	Brass	1/4"	3-1/8"	Y	Y	Y	Standard	Y	Y	Y	—	**365.00**

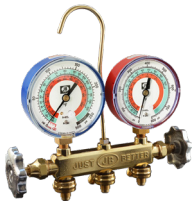
Patriot Camouflage 2-Valve Manifolds



- Camouflage Class 1 illuminated gauges with 1% accuracy
- Rugged metal handle design
- Convenient swiveling hose holders
- JB is donating $1 per Patriot manifold sold to support Operation Homefront
- Lifetime warranty on manifold bar and stem assembly

Order #	Mfg. #	Body Type	Hose Conn.	Gauge Size	Non-Flutter Gauge	Illuminating Gauge	Hose Set	Hose Fitting	R22	R404A	R410A	Each
H85-888	22225CM	Brass	1/4"	3-1/8"	Y	Y	—	—	Y	Y	Y	**235.00**
H85-889	22233CM	Brass	1/4"	3-1/8"	Y	Y	Y	Standard	Y	Y	Y	**385.00**
H85-890	22246CM	Brass	1/4"	3-1/8"	Y	Y	Y	Secure Seal	Y	Y	Y	**449.00**

Patriot 2-Valve Manifolds for A2L and Hydrocarbon Refrigerants



- Class 1 gauges with 1% accuracy
- Rugged metal handle design
- Convenient swiveling hose holders
- JB is donating $1 per Patriot manifold sold to support Operation Homefront
- Lifetime warranty on manifold bar and stem assembly
- **H28-456** and **H86-123** compatible with R290 and R600A
- **H29-005** compatible with R32, R454B, R410A
- **H86-259** compatible with R134a and 1234yf
- **H86-260** compatible with R32, R454B, R410A
- **H86-261** compatible with R448A, R449A, R410A
- **H86-262** compatible with R448A, R449A, R407A

Order #	Mfg. #	Body Type	Hose Conn.	Gauge Size	Non-Flutter Gauge	Illuminating Gauge	Hose Set	Hose Fitting	Each
H28-456	22725	Brass	1/4"	3-1/8"	Y	Y	—	—	**239.00**
H29-005	22625	Brass	1/4"	3-1/8"	Y	Y	—	—	**219.00**
H86-123	22733RF-18	Brass	1/4"	3-1/8"	Y	Y	Y	—	**415.00**
H86-259	22433	Brass	1/4"	1-1/2"	Y	Y	Y	Standard	**319.00**
H86-260	22633	Brass	1/4"	3-1/8"	Y	Y	Y	Standard	**355.00**
H86-261	22833	Brass	1/4"	3-1/8"	Y	Y	Y	Standard	**355.00**
H86-262	22933	Brass	1/4"	3-1/8"	Y	Y	Y	Standard	**355.00**

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REFFLEX® Charging Hoses for Hydrocarbon Refrigerants

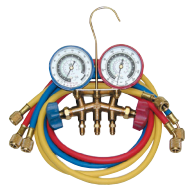
- For use with R290 and R600A
- Highly flexible with short bending radius
- Absorbs multi directional vibrations
- Rated for 1,160 PSI working pressure and 14,500 PSI burst pressure
- Ozone, UV and oil resistant



Order #	Mfg. #	Description	Each
B22-015	CLRF-18Y	18" Refflex Yellow Hose	**85.00**
B22-016	CLRF-18R	18" Refflex Red Hose	**85.00**
B22-017	CLRF-18B	18" Refflex Blue Hose	**85.00**
B22-018	CCLRF-18	18" Refflex Yellow, Red & Blue Set	**255.00**

M2 Series 2-Valve Manifolds

- Color-coded refrigerant dials
- Free-floating O-ring sealing system for zero leakage
- Stem seats retract completely for full refrigerant flow
- Surge dampened gauges for reduced pointer movement
- Lifetime warranty on manifold bar and stem assembly
- **H28-925** compatible with R22, R134a, R404A
- **H28-925** includes automotive hose set



Order #	Mfg. #	Body Type	Hose Conn.	Gauge Size	Non-Flutter Gauge	Illuminating Gauge	Hose Set	Hose Fitting	R12	R22	R404A	R407A	R407C	R410A	R422B	R427A	R502	Each
H24-578	M2-8	Brass	1/4"	2-1/2"	Y	—	—	—	Y	Y	—	—	—	—	—	—	Y	**175.00**
H24-579	M2-6	Brass	1/4"	2-1/2"	Y	—	Y	Standard	Y	Y	—	—	—	—	—	—	Y	**279.00**
H26-948	M2-8-410A	Brass	1/4"	2-1/2"	Y	—	—	—	—	Y	Y	—	—	Y	—	—	—	**175.00**
H26-733	M2-5-410A	Brass	1/4"	2-1/2"	Y	—	Y	Standard	—	Y	Y	—	—	Y	—	—	—	**309.00**
H27-572	M2-5-410A-SS	Brass	1/4"	2-1/2"	Y	—	Y	Secure Seal	—	Y	Y	—	—	Y	—	—	—	**379.00**
H26-670	M2-22231	Brass	1/4"	3-1/8"	Y	Y	Y	Standard	—	Y	Y	—	—	Y	—	—	—	**369.00**
H26-949	M2-22325	Brass	1/4"	3-1/8"	Y	Y	—	—	—	—	—	Y	—	—	Y	Y	—	**219.00**
H26-950	M2-22425	Brass	1/4"	3-1/8"	Y	Y	—	—	—	Y	—	—	Y	Y	—	—	—	**219.00**
H27-280	M2-22225	Brass	1/4"	3-1/8"	Y	Y	—	—	—	Y	Y	—	—	Y	—	—	—	**225.00**
H28-925	M2-134AH	Brass	1/4"	3-1/8"	Y	—	Y	Standard	—	Y	—	—	—	—	—	—	—	**575.00**

2-Valve Heat Pump Manifold

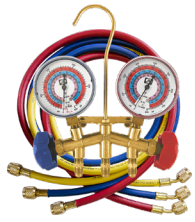
- Two 800 PSI gauges to read pressures in heating or cooling mode
- Large 3-1/8" gauges with 1% accuracy
- Free floating dual O-ring sealing system for faster evacuation and charging
- Lifetime warranty on manifold bar and stem assembly



Order #	Mfg. #	Body Type	Hose Conn.	Gauge Size	Non-Flutter Gauge	Illuminating Gauge	Hose Set	Hose Fitting	R22	R407C	R410A	Each
H27-281	M2-HP-5	Brass	1/4"	3-1/8"	Y	Y	Y	Standard	Y	Y	Y	**379.00**

M2 Series 2-Valve Manifolds for A2L

- A2L compatible
- Color-coded refrigerant dials
- Free-floating O-ring sealing system for zero leakage
- Stem steats retract completely for full refrigerant flow
- Surge dampened gauges for reduced pointer movement
- Lifetime warranty on manifold bar and stem assembly
- Compatible with R32, R454B, and R410A



Order #	Mfg. #	Body Type	Hose Conn.	Gauge Size	Non-Flutter Gauge	Illuminating Gauge	Hose Set	Hose Fitting	R410A	Each
H28-995	M2-5-454-32	Brass	1/4"	2-1/2"	Y	Y	Y	Standard	Y	**309.00**
H28-996	M2-8-454-32	Brass	1/4"	2-1/2"	Y	Y	—	—	Y	**175.00**

Replacement Manifold Gauges and Accessories

Order #	Mfg. #	Description	Each
H26-099	M2-410	2-1/2" Low Side Gauge for R410A	59.00
H26-100	M2-415	2-1/2" High Side Gauge for R410A	59.00
H26-960	M2-460	2-1/2" Low Side Gauge for R22, R404 and R410A	59.00
H26-961	M2-465	2-1/2" High Side Gauge for R22, R404 and R410A	59.00
H25-163	M2-250	2-1/2" Low Side Gauge for R12, R22 and R502	59.00
H25-164	M2-500	2-1/2" High Side Gauge for R12, R22 and R502	59.00
H27-362	M2-810	3-1/8" Low Side Gauge for R410A	99.00
H27-363	M2-815	3-1/8" High Side Gauge for R410A	99.00
H26-381	M2-820	3-1/8" Illuminated Low Side Gauge for R22, R404A and R410A	99.00
H26-382	M2-825	3-1/8" Illuminated High Side Gauge for R22, R404A and R410A	99.00
H26-379	M2-851	3-1/8" Illuminated Low Side Gauge for R22, R134A and R404A	99.00
H26-380	M2-856	3-1/8" Illuminated High Side Gauge for R22, R134A and R404A	99.00
H27-633	M2-844	3-1/8" Illuminated Low Side Gauge for R422D, R438A and R407C	99.00
H27-634	M2-845	3-1/8" Illuminated High Side Gauge for R422D, R438A and R407C	99.00
H26-969	M2-830	3-1/8" Low Side Gauge for R22, R407C and R410A	99.00
H26-970	M2-831	3-1/8" High Side Gauge for R22, R407C and R410A	99.00
H26-967	M2-828	3-1/8" Low Side Gauge for R407A, R422B and R427A	99.00
H26-968	M2-829	3-1/8" High Side Gauge for R407A, R422B and R427A	99.00
H26-953	M2-860	3-1/8" Liquid Filled Low Side Gauge for R22, R134A, R404A and R410A	305.00
H26-954	M2-865	3-1/8" Liquid Filled High Side Gauge for R22, R134A, R404A and R410A	305.00
H27-761	M2-924	3-1/8" Low Side Gauge for R22, R404 and R410A (1% Accuracy)	105.00
H27-762	M2-925	3-1/8" High Side Gauge for R22, R404 and R410A (1% Accuracy)	135.00
H28-053	M2-924CM	3-1/8" Camo Low Side Gauge for R22, R404 and R410A (1% Accuracy)	115.00
H28-054	M2-925CM	3-1/8" Camo High Side Gauge for R22, R404 and R410A (1% Accuracy)	115.00
H28-216	M2-820L	3-1/8" Low Side LED Gauge for R22, R404A and R410A	135.00
H28-217	M2-825L	3-1/8" High Side LED Gauge for R22, R404A and R410A	135.00

Order #	Mfg. #	Description	Each
H28-457	M2-600	3-1/8" Low Side Gauge for R290 and R600A	115.00
H28-458	M2-605	3-1/8" High Side Gauge for R290 and R600A	115.00
H27-278	M2-400	4" Illuminated Low Side Gauge for R22, R134A, R404A and R410A	125.00
H27-279	M2-405	4" Illuminated High Side Gauge for R22, R134A, R404A and R410A	125.00
H27-631	MR-590	2-1/2" Black Gauge Boot	23.99
H27-632	MR-598	2-1/2" Black Gauge Boot (2-Pk.)	40.99
H26-955	MR-593	3-1/8" Black Gauge Boot	28.49
H26-956	MR-594	3-1/8" Red Gauge Boot	69.00
H26-957	MR-595	3-1/8" Blue Gauge Boot	69.00
H28-600	MR-596	3-1/8" Black Gauge Boot (2-Pk.)	65.00
H28-601	MR-593L	3-1/8" Black LED Gauge Boot	28.49
H28-602	MR-596L	3-1/8" Black LED Gauge Boot (2-Pk.)	75.00
H26-964	MR-517	2-1/2" Gauge Lens	14.49
H26-383	MR-533	3-1/8" Gauge Lens	31.49
H26-958	MR-U1-4A	1/4" Manifold Intake Fitting	2.49
H26-959	MR-U1-6B	3/8" Manifold Intake Fitting	15.49
H25-110	MR-505	Manifold Piston and Seat Assembly	11.99
H25-111	M2-300	Manifold Hose Holder	19.99
H25-112	M2-102N	Manifold Hanging Hook	17.49
H25-228	MR-501B	Blue Hand Wheel and Screw	12.49
H25-229	MR-501R	Red Hand Wheel and Screw	12.49
H26-687	MR-601	Zeppelin Hand Wheel and Screw	26.49
H28-603	MR-508	Patriot Metal Hand Wheel	18.99
H26-971	M2R-S	Standard M2 Series Rebuild Kit	40.49
H26-972	M2R-P	Premium M2 Series Rebuild Kit with Handles	69.00
H26-973	2VZR-S	Standard 2-Valve Zeppelin Rebuild Kit	38.49
H26-974	2VZR-P	Premium 2-Valve Zeppelin Rebuild Kit with Handles	85.00
H26-975	4VZR-S	Standard 4-Valve Zeppelin Rebuild Kit (for 1 Valve)	85.00
H26-976	4VZR-P	Premium 4-Valve Zeppelin Rebuild Kit with Handles (for 2 of 4 Valves)	165.00
H28-926	M2-472	2-1/2" Compound Gauge for R134A/1234YF	43.49
H28-927	M2-473	2-1/2" Pressure Gauge for R134A/1234YF	43.49
H28-993	M2-863	2-1/2" Illuminated Low Side Gauge for R32, R454B and R410A	59.00
H28-994	M2-864	2-1/2" Illuminated High Side Gauge for R32, R454B and R410A	59.00
H28-928	M2-861	3-1/8" Compound Gauge for R32A/410A/454B	75.00
H28-929	M2-862	3-1/8" Pressure Gauge for R32A/410A/454B	75.00
H28-930	M2-871	3-1/8" Compound Gauge for R407A/448A/449A	75.00
H28-931	M2-872	3-1/8" Pressure Gauge for R407A/448A/449A	75.00
H28-932	M2-876	3-1/8" Compound Gauge for R410A/448A/449A	75.00
H28-933	M2-877	3-1/8" Pressure Gauge for R410A/448A/449A	75.00



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Mini-Split Tool Kits

- Eccentric cone flare tool flares 3/16" to 3/4"
- Hex key set includes 5/64" to 1/4" and 2mm to 8mm
- Adjustable torque wrench set, range of 10 to 80 Nm (7.375 to 59.004 ft/lb.)
- Nylon tool bag with strap, rubber feet and 20 pockets
- 2 brass adapters
- Complete kit for mini-split installation and service; Patriot R410A brass manifold with 2-1/2" gauges and 360° swiveling hose holders; 60" Kobra hose set with UL approved low loss fittings; Valve core remover and 5 brass caps; 4 Shield refrigerant locking caps with 1 tamper resistant bit
- Basic kit for mini-split installation and service; includes tool bag instead of backpack and does not include manifold, hoses or Shield caps



Order #	Mfg. #	Description	Each
H85-891	MSKIT1	Complete Mini-Split Kit with 1/4" Tools	**1245.00**
H85-892	MSKIT2	Complete Mini-Split Kit with 5/16" Tools	**1245.00**
H85-924	MSKIT3	Basic Mini-Split Kit with 1/4" and 5/16" Tools	**755.00**

VaporVue Charging Device

- Connects to the low side of charging manifold to increase charging rate up to 8 times
- Absorbs heat and flashes liquid refrigerant from the cylinder and charges into the system as a vapor preventing slugging and damaging the compressor
- Easily monitor vapor rate through the double sight glass
- Place over hot discharge airflow of the condensing unit to increase charging rate efficiency
- Pressure tested at 800 psi



Order #	Mfg. #	Description	Each
H27-503	VV1	Vapor Vue with 1/4" Flare Fittings	**155.00**

EZ Turn™ Anti-Blowback Adaptors

- Reduces friction so service hose easily connects to access fitting under pressure
- Deep square knurling and textured band for easy fingertip control
- Compatible for R-410A and all CFC, HCFC and HFC refrigerants
- Rated for 800 PSI working pressure and 4,000 PSI burst pressure
- **B19-528** repair kit includes spring, depressor, square seat, O-ring and gasket



A B

Fig.	Order #	Mfg. #	Description	Each
A	**B19-524**	EZAB	1/4" x 1/4", Straight	**45.99**
B	**B19-525**	EZAB90	1/4" x 1/4", 90°	**48.49**
A	**B19-526**	EZABM	1/4" x 5/16", Straight	**45.99**
B	**B19-527**	EZABM90	1/4" x 5/16", 90°	**48.49**
—	**B19-528**	EZHRK	EZ Turn Repair Kit	**33.49**

HVAC Strap™ Magnetic Manifold Gauge Holder

- Position manifold gauges where you want them for improved readability and safety
- Strong magnet for secure placement
- Rubberized coating helps prevent equipment scratches



Order #	Mfg. #	Description	Each
H27-816	HVAC STRAP	Magnetic manifold gauge holder	**48.49**

Charging Jacket

- Use to charge TXV systems in cold weather
- Works in outside temperatures between 37°F and 70°F
- Easily attaches to the condensing unit with hooks and drawstring
- Simply adjust until proper difference between high and low side pressures is reached



Order #	Mfg. #	Description	Each
H85-647	S365	TXV charging jacket	**319.00**

YELLOW JACKET



A



B



C

Plus II™ Permeation Resistant Charging Hoses

- Double barrier protection helps contain smaller molecules of newer refrigerants
- Hose rated for 4,000 PSI burst pressure and 800 PSI working pressure, approved for R410A
- All hoses include 1/4" fittings
- Optional FlexFlow assemblies for easier access in tight areas

Fig.	Order #	Mfg. #	Description	Length	Each
A	**B17-156**	21036	Yellow Hose	3'	**55.00**
A	**B17-157**	21636	Red Hose	3'	**55.00**
A	**B17-158**	21236	Blue Hose	3'	**55.00**
A	**B17-159**	21048	Yellow Hose	4'	**65.00**
A	**B17-160**	21648	Red Hose	4'	**65.00**
A	**B17-161**	21248	Blue Hose	4'	**65.00**
A	**B17-162**	21060	Yellow Hose	5'	**69.00**
A	**B17-163**	21660	Red Hose	5'	**69.00**
A	**B17-164**	21260	Blue Hose	5'	**69.00**
A	**B17-165**	21072	Yellow Hose	6'	**79.00**
A	**B17-166**	21672	Red Hose	6'	**79.00**
A	**B17-167**	21272	Blue Hose	6'	**79.00**

Fig.	Order #	Mfg. #	Description	Length	Each
A	**B17-168**	21983	Yellow, Red & Blue Set	3'	**165.00**
A	**B17-169**	21984	Yellow, Red & Blue Set	4'	**195.00**
A	**B17-170**	21985	Yellow, Red & Blue Set	5'	**205.00**
B	**B19-459**	25985	Yellow, Red & Blue Set w/FlexFlow	5'	**405.00**
A	**B17-171**	21986	Yellow, Red & Blue Set	6'	**235.00**
C	**B17-172**	25002	Yellow FlexFlow Assembly	9"	**89.00**
C	**B17-173**	25602	Red FlexFlow Assembly	9"	**89.00**
C	**B17-174**	25202	Blue FlexFlow Assembly	9"	**89.00**
C	**B17-175**	25980	Yellow, Red & Blue FlexFlow Set	9"	**269.00**
C	**B21-263**	29011	1/4" to 5/16" Yellow FlexFlow	9"	**109.00**
C	**B21-264**	29211	1/4" to 5/16" Blue FlexFlow	9"	**109.00**
C	**B21-265**	29611	1/4" to 5/16" Red FlexFlow	9"	**109.00**

YELLOW JACKET



Plus II™ Permeation Resistant Charging Hoses with Compact Ball Valve

- Hose and ball valve rated for 4,000 PSI burst pressure and 800 PSI working pressure
- Compact design ball valve at end of hose fits tight areas and traps all the gas using standard gasket and valve opening
- Full flow valve for faster recovery

Order #	Mfg. #	Description	Length	Each
B13-523	29036	Yellow Hose	3'	**105.00**
B13-525	29636	Red Hose	3'	**105.00**
B13-524	29236	Blue Hose	3'	**105.00**
B13-527	29048	Yellow Hose	4'	**109.00**
B13-529	29648	Red Hose	4'	**109.00**
B13-528	29248	Blue Hose	4'	**109.00**
B13-531	29060	Yellow Hose	5'	**119.00**
B13-533	29660	Red Hose	5'	**119.00**
B13-532	29260	Blue Hose	5'	**119.00**

Order #	Mfg. #	Description	Length	Each
B13-535	29072	Yellow Hose	6'	**129.00**
B13-537	29672	Red Hose	6'	**129.00**
B13-536	29272	Blue Hose	6'	**129.00**
B13-526	29983	Yellow, Red & Blue Set	3'	**299.00**
B13-530	29984	Yellow, Red & Blue Set	4'	**325.00**
B13-534	29985	Yellow, Red & Blue Set	5'	**349.00**
B13-538	29986	Yellow, Red & Blue Set	6'	**379.00**
B20-664	29805	Black Set	5'	**369.00**
B20-665	29806	Black Set	6'	**399.00**

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- Technology to make your job easier
- Training to keep you competitive
- Service and support

BETTER SERVICE & LOCAL SUPPORT WITH GLOBAL PARTNERS

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Plus II™ Permeation Resistant Charging Hoses With Sealright™ Fittings

- PLUS II™ environmentally responsible, permeation resistant hose
- Compatible with current CFC, HCFC and HFC refrigerants and oils
- All hoses include standard 1/4" fitting on one end, 1/4" 45° SealRight™ fitting spring-loaded check valve on the other end


A


B


C


D

Fig.	Order #	Mfg. #	Description	Length	Each
A	**B11-920**	22036	Yellow Hose	3'	**75.00**
A	**B12-470**	22636	Red Hose	3'	**75.00**
A	**B12-471**	22236	Blue Hose	3'	**75.00**
A	**B13-466**	22048	Yellow Hose	4'	**79.00**
A	**B13-468**	22648	Red Hose	4'	**79.00**
A	**B13-467**	22248	Blue Hose	4'	**79.00**
A	**B13-337**	22060	Yellow Hose	5'	**95.00**
A	**B13-339**	22660	Red Hose	5'	**95.00**
A	**B13-338**	22260	Blue Hose	5'	**95.00**
A	**B11-921**	22072	Yellow Hose	6'	**99.00**
A	**B12-472**	22672	Red Hose	6'	**99.00**

Fig.	Order #	Mfg. #	Description	Length	Each
A	**B12-473**	22272	Blue Hose	6'	**99.00**
B	**B11-922**	22983	Yellow, Red & Blue Set	3'	**219.00**
B	**B13-469**	22984	Yellow, Red & Blue Set	4'	**245.00**
B	**B13-340**	22985	Yellow, Red & Blue Set	5'	**269.00**
B	**B11-923**	22986	Yellow, Red & Blue Set	6'	**299.00**
C	**B11-958**	19109	SealRight Adapter Straight	—	**46.99**
D	**B11-959**	19209	SealRight Adapter 90°	—	**47.99**
—	**B18-868**	19208	SealRight Adapter 45°	—	**55.00**
—	**B13-539**	19040	SealRight Rebuild Kit	—	**39.49**
—	**B17-155**	19041	SealRight Overhaul Kit	—	**46.49**

Heavy-Duty Plus II™ Permeation Resistant Vacuum/Charging Hoses with Standard Fittings

- PLUS II™ environmentally responsible, permeation resistant hose
- Compatible with current CFC, HCFC and HFC refrigerants and oils



Order #	Mfg. #	Description	Length	Size	Each
B11-828	15060	Black Hose (1/4")	5'	1/4" Str. x 1/4" 45°	**105.00**
B11-829	15660	Black Hose (3/8")	5'	3/8" Str. x 3/8" Str.	**149.00**
B11-830	16260	Black Hose (3/8")	5'	1/4" 45° x 3/8" Str.	**165.00**
B12-415	15872	Black Hose (1/2")	6'	1/2" Str. x 1/2" Str.	**239.00**
B11-888	15125	Black Hose (1/4")	25'	1/4" Str. x 1/4" 45°	**335.00**

PLUS II™ Permeation Resistant A2L Charging Hoses and Adapters

- Compatible with R32 and R454B refrigerants
- Works with or without Schrader core
- Identified by double ring on tighting knurl for left-handed connection
- Rated for 800 PSI working pressure and 4,000 burst pressure


A


B


C


D

Fig.	Order #	Mfg. #	Description	Length	Size	Each
A	**B22-808**	30260	Yellow Hose (45°)	5'	1/4" LH x 1/4" RH	**89.00**
A	**B22-810**	30660	Yellow Hose (90°)	5'	1/4" LH x 1/4" RH	**95.00**
A	**B22-809**	30460	Yellow Hose (45° w/ ball valve)	5'	1/4" LH x 1/4" RH	**129.00**
B	**H28-980**	19124	Adapter Straight	—	1/4" LH FFL x 1/4" RH MFL	**39.49**
C	**H28-981**	19180	Adapter 45°	—	1/4" LH FFL x 1/4" RH MFL	**44.99**
D	**H28-982**	19204	Adapter 90°	—	1/4" LH FFL x 1/4" RH MFL	**42.99**

Charging Hose "Adjust-A-Valve" Core Depressor

- Opens out-of-tolerance Schrader valves in 1/4" and 3/16" couplers
- For use with Yellow Jacket® Plus II™ and premium charging hoses
- Priced per 10-pack



Order #	Mfg. #	Description	Each
B13-463	19302	Charging Hose Depressor	**33.49**

YELLOW JACKET

Gasket Remover Tool



- Easily remove worn gaskets from hoses
- Sharp, angled pick pulls gasket from deep inside hose
- Includes 5 gaskets stored in handle

Order #	Mfg. #	Each
H28-156	19047	**34.99**

YELLOW JACKET

Quick Coupler Hose Gaskets



- Designed for optimum performance with Yellow Jacket® and other charging hoses
- Works with all refrigerants
- Manufactured to strict tolerances to resist blow out
- Sold in 10-packs

Order #	Mfg. #	Size	Each
B12-873	19020	1/4"	**17.49**
B12-874	19011	3/8"	**55.00**
H26-662	19037	1/4" SealRight O-Rings	**25.99**

YELLOW JACKET

Quick Couplers

- Deep knurling for easy handling



A



B



C



D

Fig.	Order #	Mfg. #	Size	Each
A	**H26-661**	19110	1/4" Female QC x 1/8" NPT Female	**33.99**
B	**H26-839**	19101	1/4" Female QC x 1/4" Male Flare	**28.49**

Fig.	Order #	Mfg. #	Size	Each
C	**H26-840**	19116	1/4" Female QC x 1/4" NPT Male	**37.49**
D	**H26-841**	19105	3/4" NPS with 1/4" Male Flare	**48.99**

YELLOW JACKET

Compact Ball Valve Adapters

- Full flow for charging and recovery
- Metal valve handle



A



B

Fig.	Order #	Mfg. #	Description	Each
A	**B14-870**	93842	1/4" Compact Ball Valves (45°), 3-Pk.	**205.00**
A	**B19-571**	93843	1/4" Compact Ball Valve (45°)	**75.00**
A	**B19-572**	93825	5/16" x 1/4" Compact Ball Valve (45°)	**99.00**
B	**B14-871**	93844	1/4" Compact Ball Valve (Straight)	**69.00**

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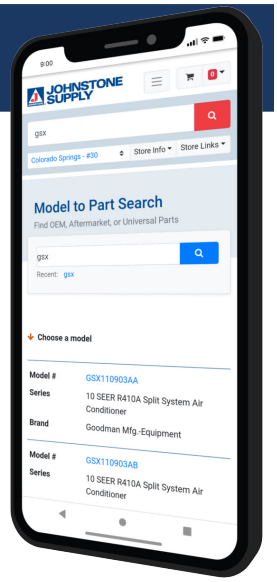

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CLE Kobra Charging Hoses

- Blowout resistant gasket
- Rated for 800 PSI working pressure and 4,000 burst pressure
- Compatible with R410A



Order #	Mfg. #	Description	Length	Each
B17-100	CLE-36Y	CLE Series Yellow Hose	3'	**65.00**
B17-101	CLE-36R	CLE Series Red Hose	3'	**65.00**
B17-099	CLE-36B	CLE Series Blue Hose	3'	**65.00**
B17-103	CLE-48Y	CLE Series Yellow Hose	4'	**69.00**
B17-104	CLE-48R	CLE Series Red Hose	4'	**69.00**
B17-102	CLE-48B	CLE Series Blue Hose	4'	**69.00**
B17-106	CLE-60Y	CLE Series Yellow Hose	5'	**75.00**
B17-107	CLE-60R	CLE Series Red Hose	5'	**75.00**
B18-906	CLE5-60R	CLE Series Red Hose (1/4" x 5/16")	5'	**79.00**
B17-105	CLE-60B	CLE Series Blue Hose	5'	**75.00**

Order #	Mfg. #	Description	Length	Each
B18-907	CLE5-60B	CLE Series Blue Hose (1/4" x 5/16")	5'	**79.00**
B17-109	CLE-72Y	CLE Series Yellow Hose	6'	**85.00**
B17-108	CLE-72B	CLE Series Blue Hose	6'	**85.00**
B17-110	CLE-72R	CLE Series Red Hose	6'	**85.00**
B17-111	CCLE-36	CLE Series Yellow, Red & Blue Set	3'	**165.00**
B85-630	CCLE-48	CLE Series Yellow, Red & Blue Set	4'	**185.00**
B17-112	CCLE-60	CLE Series Yellow, Red & Blue Set	5'	**209.00**
B18-908	CCLE5-60	CLE Series Yellow, Red & Blue Set (1/4" x 5/16" on Red/Blue)	5'	**219.00**
B18-314	CCLE-72	CLE Series Yellow, Red & Blue Set	6'	**229.00**
B18-323	CCLE4-60	CLE Series Yellow, Red, Blue & Black Set	5'	**325.00**

Kobra Charging Hoses with Ball Valves

- Quarter turn lever style ball valves trap refrigerant in the hose to help meet non-venting requirements
- Blowout resistant gasket
- Rated for 800 PSI working pressure and 4,000 PSI burst pressure
- Compatible with R410A



Order #	Mfg. #	Description	Length	Each
B17-119	CLBV-60Y	CLBV Series Yellow Hose	5'	**135.00**
B17-120	CLBV-60R	CLBV Series Red Hose	5'	**135.00**
B17-118	CLBV-60B	CLBV Series Blue Hose	5'	**135.00**
B18-315	CCLBV-36	CLBV Series Yellow, Red & Blue Set	3'	**355.00**

Order #	Mfg. #	Description	Length	Each
B85-642	CCLBV-48	CLBV Series Yellow, Red & Blue Set	4'	**379.00**
B17-121	CCLBV-60	CLBV Series Yellow, Red & Blue Set	5'	**385.00**
B85-643	CCLBV-72	CLBV Series Yellow, Red & Blue Set	6'	**415.00**

A2L Kobra Charging Hoses

- Left-hand thread fitting on yellow hose
- Blowout resistant gasket
- Rated for 800 PSI working pressure and 4,000 burst pressure
- Compatible with R410A, R32, R454B



Order #	Mfg. #	Description	Length	Each
B22-835	CCLE-A2L-60	CLE Series Yellow, Red & Blue Hose Set	5'	**215.00**
B22-838	CLE-A2L-60Y	CLE Series Yellow Hose	5'	**85.00**

Kobra Charging Hoses with Whip End and Ball Valves

- Quarter turn lever style ball valves trap refrigerant in the hose to help meet non-venting requirements
- Whip ends are great for tight spaces or retrofitting a CLE series hose to non-venting
- Rated for 800 PSI working pressure and 4,000 PSI burst pressure
- Compatible with R410A



A



B

Fig.	Order #	Mfg. #	Description	Length	Each
A	**B11-955**	CLV-6Y	CLV Series Yellow Whip End Hose	6"	**79.00**
A	**B17-375**	CLV-6R	CLV Series Red Whip End Hose	6"	**79.00**
A	**B17-374**	CLV-6B	CLV Series Blue Whip End Hose	6"	**79.00**
A	**B12-765**	CCLV-6	CLV Series Whip End Yellow, Red & Blue Set	6"	**235.00**
B	**B17-125**	CCLV-36	CLV Series Yellow, Red & Blue Set	3'	**355.00**
B	**B84-296**	CCLV-48	CLV Series Yellow, Red & Blue Set	4'	**389.00**
B	**B17-126**	CCLV-60	CLV Series Yellow, Red & Blue Set	5'	**435.00**

Kobra Secure Seal Charging Hoses

- UL recognized low loss fitting
- Rated for 800 PSI working pressure and 4,000 PSI burst pressure



A



B



C

Fig.	Order #	Mfg. #	Description	Length	Each
A	**B85-632**	CLS-36Y	CLS Series Yellow Hose	3'	**85.00**
A	**B85-633**	CLS-36R	CLS Series Red Hose	3'	**85.00**
A	**B85-631**	CLS-36B	CLS Series Blue Hose	3'	**85.00**
A	**B85-635**	CLS-48Y	CLS Series Yellow Hose	4'	**89.00**
A	**B85-636**	CLS-48R	CLS Series Red Hose	4'	**89.00**
A	**B85-634**	CLS-48B	CLS Series Blue Hose	4'	**89.00**
A	**B17-114**	CLS-60Y	CLS Series Yellow Hose	5'	**99.00**
A	**B17-115**	CLS-60R	CLS Series Red Hose	5'	**99.00**
A	**B18-909**	CLS5-60R	CLS Series Red Hose (1/4" x 5/16")	5'	**105.00**
A	**B17-113**	CLS-60B	CLS Series Blue Hose	5'	**99.00**
A	**B18-910**	CLS5-60B	CLS Series Blue Hose (1/4" x 5/16")	5'	**105.00**
A	**B85-638**	CLS-72Y	CLS Series Yellow Hose	6'	**115.00**
A	**B85-639**	CLS-72R	CLS Series Red Hose	6'	**115.00**
A	**B85-637**	CLS-72B	CLS Series Blue Hose	6'	**115.00**

Fig.	Order #	Mfg. #	Description	Length	Each
A	**B17-116**	CCLS-36	CLS Series Yellow, Red & Blue Set	3'	**245.00**
A	**B85-640**	CCLS-48	CLS Series Yellow, Red & Blue Set	4'	**269.00**
A	**B17-117**	CCLS-60	CLS Series Yellow, Red & Blue Set	5'	**289.00**
A	**B18-918**	CCLS5-60	CLS Series Yellow, Red & Blue Set (1/4" x 5/16" on Red/Blue)	5'	**299.00**
A	**B85-641**	CCLS-72	CLS Series Yellow, Red & Blue Set	6'	**305.00**
A	**B18-324**	CCLS4-60	Yellow, Red, Blue & Black Set	5'	**399.00**
B	**B18-311**	33112N	Secure Seal Fitting Straight	—	**79.00**
B	**B18-911**	33115N	Secure Seal Fitting Straight (5/16" x 1/4")	—	**75.00**
C	**B18-312**	33113N	Secure Seal Fitting 90°	—	**79.00**
C	**B18-912**	33116N	Secure Seal Fitting 90° (5/16" x 1/4")	—	**79.00**
—	**B18-313**	33112RK	Secure Seal Repair Kit	—	**59.00**
—	**H27-763**	T21295	Snap Ring Pliers & Secure Seal Repair Kit	—	**95.00**

A2L Kobra Charging Hoses with Ball Valves



- Features A2L fitting for left-handed threads
- Rated for 800 PSI working pressure and 4,000 burst pressure
- Compatible with R410A, R32, R454B

Order #	Mfg. #	Description	Length	Each
B22-834	CCLBV-A2L-60	CLBV Series Yellow, Red & Blue Hose Set	5'	**395.00**
B22-837	CLBV-A2L-60Y	CLBV Series Yellow Hose	5'	**139.00**

Heavy-Duty Evacuation/Charging Hoses



- Hose rated for 800 PSI working pressure and 4,000 PSI burst pressure
- Compatible with current CFC, HCFC and HFC refrigerants and oils

Order #	Mfg. #	Description	Length	Each
H86-090	CL64-60	3/8" Black Evacuation/Charging Hose (1/4" x 3/8" Fittings)	5'	**185.00**
H86-263	CL264-48	1/2" Black Evacuation/Charging Hose (1/4" x 3/8" Fittings)	4'	**215.00**
H86-264	CL264-60	1/2" Black Evacuation/Charging Hose (1/4" x 3/8" Fittings)	5'	**275.00**

A2L Kobra Charging Hoses with Whip Ends and Ball Valves



- Features A2L fitting for left-handed threads
- Rated for 800 PSI working pressure and 4,000 burst pressure
- Compatible with R410A, R32, R454B

Order #	Mfg. #	Description	Length	Each
B22-836	CCLV-A2L-60	CLV Series Whip End Yellow, Red & Blue Hose Set	5'	**439.00**
B22-839	CLV-A2L-6Y	CLV Series Yellow Whip End Hose with Shut-Off Ball Valve	6'	**89.00**
B22-840	CLV-A2L-60Y	CLV Series Yellow Whip End Hose	5'	**155.00**

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Charging Hose Accessories and Adapters

Order #	Mfg. #	Description	Each
B11-956	V34901	1/4" x 1/8" Replacement Ball Valve	**75.00**
B17-387	QC-S4A	1/4" x 1/8" Quick Coupler	**32.99**
B18-913	A31656	1/4" Male x 5/16" Female Adapter	**34.99**
B18-914	A31665	5/16" Male x 1/4" Female Adapter	**34.99**
H27-764	P90016	3/8" Replacement Gasket (10-Pk.)	**20.99**
H26-386	P509	1/4" Replacement Gasket (6-Pk.)	**13.99**
H26-387	P90513	1/4" Replacement Depressor (5-Pk.)	**13.49**
H27-111	P90514	1/4" Replacement Depressor for CLE/CLBV/CLV Hoses (5-Pk.)	**19.99**

Order #	Mfg. #	Description	Each
H27-112	P511	1/4" Replacement Gasket for CLE/CLBV/CLV Hoses (6-Pk.)	**14.99**
H27-113	P90022	Replacement O-Ring for CLS Hoses (10-Pk.)	**25.49**
B22-019	QC-S45-45	5/16" x 1/4" Quick Coupler (45°)	**44.49**
H28-934	AC-15530	1/4" SAE Quick Coupler (90°) for R134A	**179.00**
H28-935	AC-15535	1/4" SAE Quick Coupler (90°) for R134A	**179.00**
H28-936	QC-A2L-LH	1/4" F. Flare x 1/4" M. Flare Left-handed Adapter	**31.99**
H28-937	QC-1234-LH	1/2" ACME Left-handed Adapter	**37.99**
H28-992	QC-A2L-LH45	1/4" F. Flare x 1/4" M. Flare Left-handed Adapter (45°)	**31.99**

Mini Ball Valves

- Compact ball valves for full flow during charging and recovery
- Rated for 800 PSI maximum working pressure and 4,000 PSI burst pressure



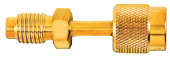
Order #	Mfg. #	Description	Each
B20-903	MBV4-01	1/4" Mini Ball Valve	**75.00**
B20-904	MBV4-03	1/4" Mini Ball Valve Set (3-Pk.)	**215.00**

Order #	Mfg. #	Description	Each
B20-905	MBV5-01	5/16" Mini Ball Valve	**75.00**
B20-906	MBV5-03	5/16" Mini Ball Valve Set (3-Pk.)	**215.00**

Acme Adapters

- For interfacing R134a automotive fittings with conventional 1/4" flare fittings.

Fig.	Order #	Mfg. #	Description	Each
A	**B11-995**	CD2012	1/4" F. Flare Coupler w/Depressor Tip and Seal x 1/2" M. Acme	**35.49**
B	**B12-401**	CD2028	1/2" F. Acme Swivel w/Depressor Tip and Seal x 1/4" M. Flare	**35.49**



A



B

Shut-Off Valve

- Great for blanking off systems
- 1/4" female quick coupler x 1/4" flare



Order #	Mfg. #	Description	Each
H28-110	D10162	1/4" Female QC x 1/4" flare Shut-Off Valve	**85.00**

Insta-Charge Low Side Charging Adapter

- Converts liquid refrigerant to a saturated vapor for faster charging
- Unique internal restrictor reduces liquid flow to a level below the compressor capacity
- Connects directly to the refrigerant can or cylinder valve
- No need to heat the refrigerant cylinder while charging



Order #	Mfg. #	Each
B12-407	RC-1	**35.99**

Liquid Charging Adapters

- For fast liquid charging through the low side of a system
- Metering element reduces liquid flow below capacity of the compressor
- Eliminates the need to heat the refrigerant cylinder while charging



Order #	Mfg. #	Description	Each
B17-936	LC-4	1/4" Liquid Charging Adapter	**55.00**
B17-937	LC-5	5/16" Liquid Charging Adapter	**59.00**

Micron Gauge Blankoff Test Unit



- Isolate your micron gauge to check for vacuum
- Close off the micron gauge and open the refrigerant line for quick and easy charging
- Use with manifold and charging hoses

Order #	Mfg. #	Each
H26-476	DV-29	**445.00**

Eliminator Vacuum Pumps



- SP and DC models are A2L compatible
- Two-stage design
- Break-resistant steel cushioned handle
- O-ring seal drain valve
- Made in the U.S.A.
- DV-6E-250SP is spark-proof

Specifications:
- Factory rating: 25 microns
- Voltage: 115V (DV-4E, DV-6E), 115/230V dual voltage (DV-6E-250, DV-6E-250SP)

Order #	Mfg. #	CFM	Motor HP	Oil Cap.	Conn. Size	Length	Width	Height	Wt. Lbs.	Each
H93-123	DV-4E	4	1/2	25 Oz.	1/4" & 3/8" Male Flare	17-5/8"	14"	9-1/8"	30	**939.00**
H93-124	DV-6E	6	1/2	25 Oz.	1/4" & 3/8" Male Flare	17-5/8"	14"	9-1/8"	30	**1099.00**
H93-218	DV-6E-250	6	1/2	25 Oz.	1/4" & 3/8" Male Flare	17-5/8"	14"	9-1/8"	30	**1199.00**
H93-219	DV-6E-250SP	6	1/2	25 Oz.	1/4" & 3/8" Male Flare	17-5/8"	14"	9-1/8"	30	**1299.00**
H93-228	DV-6EDC	6	1/2 DC	25 Oz.	1/4" & 3/8" Male Flare	18	14	9-1/8"	24	**1199.00**

Platinum Vacuum Pumps



- SP and DC models are A2L compatible
- Two-stage design
- Blank-off valve isolates pump and assists in determining a leak within the system
- Check valve prevents oil from back flowing during power failure
- Internal oil filter protects pump from particle damage
- Protected oil drain
- Non-slip cushioned handle, tilted upward to prevent oil leakage
- 10' lead cord
- Made in the U.S.A.
- DV-200N-250SP is spark-proof

Specifications:
- Factory rating: 15 microns
- Voltage: 115V (DV-85N, DV-142N, DV-200N, DV-285N), 115/230V dual voltage (DV-200N-250, DV-200N-250SP)

Order #	Mfg. #	CFM	Motor HP	Oil Cap.	Conn. Size	Length	Width	Height	Wt. Lbs.	Each
H93-015	DV-85N	3	1/2	26 Oz.	1/4" & 3/8" Male Flare	17-5/8"	14"	9-1/8"	30	**1345.00**
H93-022	DV-142N	5	1/2	22 Oz.	3/8"x 1/4" x 1/2" Male Flare	17-5/8"	14"	9-1/8"	32	**1445.00**
H93-071	DV-200N	7	1/2	22 Oz.	3/8"x 1/4" x 1/2" Male Flare	17-5/8"	14"	9-1/8"	32	**1545.00**
H93-220	DV-200N-250	7	1/2	22 Oz.	3/8"x 1/4" x 1/2" Male Flare	17-5/8"	14"	9-1/8"	32	**1645.00**
H93-221	DV-200N-250SP	7	1/2	22 Oz.	3/8"x 1/4" x 1/2" Male Flare	17-5/8"	14"	9-1/8"	32	**1745.00**
H93-072	DV-285N	10	1/2	26 Oz.	3/8"x 1/4" x 1/2" Male Flare	19-1/8"	14"	9-1/8"	34	**1999.00**
H93-227	DV-340N	12	1	32 Oz.	3/8"x 1/4" x 1/2" Male Flare	17.6"	14"	9.1"	34	**2299.00**
H93-229	DV-240DC	8.4	1/2 DC	21 Oz.	3/8"x 1/4" x 1/2" Male Flare	18"	14"	9"	24	**1699.00**
H93-230	DV-285DC	10	1/2 HP	21 Oz.	3/8"x 1/4" x 1/2" Male Flare	14"	18"	9"	34	**2045.00**

Platinum Flex AC/Battery Vacuum Pumps



- Cordless vacuum pumps powered by 18V lithium-ion battery or AC
- Easy access 1/4", 3/8" or 1/2" intake tee
- 15-micron vacuum rating
- Gas ballast and blank-off isolation valve
- Ergonomic 1/2" NPT exhaust handle with lift ring
- Large, easy-to-see oil level sight glass with easy access oil fill located on cover
- O-ring sealed oil drain valve to prevent leaks and tethered safety cap to prevent spills
- Battery run time of approximately 90 minutes on 3 CFM models and 60 minutes on 5 CFM models

Warning: This product contains lithium batteries and cannot be shipped by air

Order #	Mfg. #	Description	Each
H86-158	DV-85-FLEX	3 CFM Platinum Flex AC/Battery Vacuum Pump	**2145.00**
H86-161	DV-85-FLEX-AC	3 CFM Platinum Flex AC Vacuum Pump	**1699.00**
H86-162	DV-85-FLEX-BAT	3 CFM Platinum Flex Battery Vacuum Pump	**1645.00**
H86-159	DV-142-FLEX	5 CFM Platinum Flex AC/Battery Vacuum Pump	**2399.00**
H86-163	DV-142-FLEX-AC	5 CFM Platinum Flex AC Vacuum Pump	**1945.00**
H86-164	DV-142-FLEX-BAT	5 CFM Platinum Flex Battery Vacuum Pump	**1899.00**

Hazardous Material Shipping Alert

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Platinum Flex AC/Battery Vacuum Pump Accessories

Warning: This product contains lithium batteries and cannot be shipped by air

Order #	Mfg. #	Description	Each
H28-732	DV-BP-AC	Flex Pump AC Adapter	**675.00**
H28-733	DV-BP-BAT	Flex Pump 18V Battery	**569.00**
H28-734	DV-BP-CHRG	Flex Pump Battery Charger	**159.00**

Hazardous Material Shipping Alert

Vacuum Pump Repair Kits

- Kit consists of drain valve, rubber foot and screw assembly (2), motor foot and screw, flexible shaft coupler and sight glass



Order #	Mfg. #	Description	Each
H25-762	PR-45	Repair Kit (for Platinum Series)	**125.00**
H26-477	PR-208	Flexible Coupler (for Platinum/Eliminator Series)	**65.00**
H26-689	PR-6	Flexible Coupler (DV-3/5/42 manufactured prior to 2001)	**65.00**

The TANK Vacuum Pump Oil Caddy

- Easily change vacuum pump oil in between jobs
- No more mess and spills
- Extends the life of your vacuum pump and ensures pump is running at maximum efficiency
- Vacuum pump not included



Order #	Mfg. #	Each
H85-742	DV-T1	**105.00**

Vacuum Pump Oil

- High quality, low-vapor pressure mineral oil is specially formulated for use in all deep vacuum mechanical pumps manufactured by JB Industries and others
- For best results use fresh vacuum pump oil for each job and avoid storing oil in partially empty containers



Order #	Mfg. #	Description	Each
H85-165	DVO-1-BX	Pint	**27.99**
H85-227	DVO-12-BX	Quart	**46.49**
H85-096	DVO-24-BX	Gallon	**115.00**

Velocity Rapid Evacuation Kit

- A2L compatible
- Remove valve cores and perform system evacuations up to 10 times faster with 1/2" diameter hose
- Includes valve core removal tool and 5' black hose
- 3/8" x 1/4" SAE flare
- Vacuum-rated to 20 microns



Order #	Mfg. #	Each
H28-455	VL-100	**405.00**

Accelerator Rapid Evacuation Kit

- Paired with a JB vacuum pump allows technicians to remove restrictive valve cores and perform HVAC/R system evacuations up to 20x Faster
- 1/2" diameter vacuum certified hose will not collapse or permeate
- Vacuum rated to 20 microns
- Easily attaches and protects vacuum gauge with the slide valve side port
- Includes (2) Y-FORCE dual high-speed coupler connectors, A32525SV valve core removal tool, A32525N valve core removal tool, (2) CL264-48 48" evacuation hoses with female swivel hose connections and drawstring storage bag



Order #	Mfg. #	Each
H86-167	VL-200	**975.00**

Y-FORCE Dual High-Speed Coupler Connectors



- Speed up evacuation with dual hose connections
- Vacuum rated and designed for high-pressure refrigerants
- Rugged solid brass construction
- Use with any vacuum pump

Order #	Mfg. #	Description	Each
H28-737	QC-206	3/8" Y-FORCE Coupler Connector	**129.00**
H28-738	QC-208	1/2" Y-FORCE Coupler Connector	**129.00**

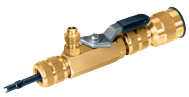
Valve Core Removal Tool



- Designed for removal or replacement of valve cores
- Contains 1/4" bit with six extra valve cores
- Hollow handle allows for storage of valve cores

Order #	Mfg. #	Each
H24-946	A32004	**36.49**

Valve Core Removal Tools



- Designed to remove and replace valve cores without losing system charge
- Speed up evacuation, recovery or recharging with full unrestricted flow
- Includes side port for vacuum measurement

Order #	Mfg. #	Description	Each
H27-361	A32525N	1/4" Valve Core Removal Tool	**155.00**
H27-573	A32530N	5/16" Valve Core Removal Tool	**165.00**

Slide Valve Core Removal Tools



- Designed to remove and replace valve cores without losing system charge
- Convenient slide valve side port to accommodate a vacuum gauge
- In-line actuated handle for easy open/close
- A32525SVT automatically sets torque 3 to 5 in.-lb.

Order #	Mfg. #	Description	Each
H28-735	A32525SV	Slide Valve Core Removal Tool	**195.00**
H28-736	A32525SVT	Slide Valve Core Removal Torque Tool	**249.00**

Valve Core Torque Tool



- Calibrated to precise torquing requirements for valve cores
- Won't tighten after proper torque is achieved

Order #	Mfg. #	Each
H27-114	A32008	**65.00**

CoreMax® Service SnapMate® High-Flow Connector



- Provides quick and easy connections to CoreMax valve cores as well as standard 1/4" access valves
- Brass body and hardened steel sleeve

Order #	Mfg. #	Each
B20-657	CM-SNAP	**515.00**

CoreMax® Valve Core Removal Tool



- Designed for removal or replacement of CoreMax valve cores without refrigerant loss
- Stainless steel handle, heavy duty brass body and ball bearing quick connect coupler

Order #	Mfg. #	Each
H28-423	CM-CRTOOL	**975.00**

CoreMax® Manual Torque Wrench



- Used to install CoreMax valve cores into seat with proper torque
- Handle grip for easier control

Order #	Mfg. #	Each
H28-424	CM-TRQ	**889.00**

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Bullet™ Vacuum Pumps

- High efficiency two-stage design
- Heavy-duty rotors and bearings
- Wide mouth oil reservoir port for easier and cleaner filling
- Oil reservior port doubles as pump exhaust and is threaded to attach garden hose for exhausting to remote location
- Large oil sight glass for easy monitoring of oil level
- Large brass oil drain for fast oil changes
- Internal intake check valve prevents oil backup into the system during a power failure
- Intake filter screen keeps damaging particles from entering the pump
- Made in the U.S.A.
- **H86-201** is A2L compatible

Specifications:
- Factory rating: 25 microns
- Voltage: 115V/60 Hz



Order #	Mfg. #	CFM	Motor HP	Oil Cap.	Conn. Size	Length	Width	Height	Wt. Lbs.	Each
H85-596	93600	7	1/2	28 oz.	1/4", 3/8" & 3/8" Male Flare	16.25"	6"	11.5"	30	**1245.00**
H86-201	93870	7	BLDC 1/2	28 oz.	1/4", 3/8" & 1/2" Male Flare	17.5"	6"	12"	27.5	**1445.00**

SuperEvac™ PLUS II Vacuum Pumps

- A2L compatible
- High efficiency two-stage design with high torque brushless DC motor
- Wide mouth oil reservoir port for easier, cleaner filling
- Isolation valve for oil changes without losing vacuum in the system
- Internal intake check valve to help prevent oil backup into the system
- Shoulder strap for easy carrying
- Non-sparking switch

Specifications:
- Factory rating: 15 microns
- Voltage: 115V/60 Hz



Order #	Mfg. #	CFM	Motor HP	Oil Cap.	Conn. Size	Length	Width	Height	Wt. Lbs.	Each
H93-223	93740	4	1/2	36 Oz.	1/4" and (2) 3/8" Male Flares	16"	6"	11-1/2"	24.6	**1745.00**
H93-224	93760	6	1/2	36 Oz.	1/2", 3/8", 1/4" Male Flares	16"	6"	11-1/2"	25.9	**1799.00**
H93-225	93780	8	1/2	28 Oz.	1/2", 3/8", 1/4" Male Flares	17-1/2"	6"	11-1/2"	26.8	**1899.00**
H93-226	93790	11	1/2	28 Oz.	1/2", 3/8", 1/4" Male Flares	17-1/2"	6"	11-1/2"	28.4	**3599.00**

Vacuum Pump Replacement Coupling

- For use with Bullet and Superevac vacuum pumps



Order #	Mfg. #	Each
H27-246	93047	**65.00**

SuperEvac™ Evacuation Manifold

- Decreases vacuum time by over 50% and improves micron readings
- Mounts with 1/2" female flare quick coupler and provides easy connection for two 3/8" vacuum hoses
- Extra port for connecting micron gauge or charging cylinder
- Convenient 1/4 turn, full flow shutoff valve
- Includes 3/8" adapter for competitor pumps



Order #	Mfg. #	Each
H25-576	93850	**259.00**

MegaFlow Vacuum Speed Kit-V

- Faster evacuation with unrestricted full flow
- Easy to hook-up multiple simultaneous connections
- All components vacuum rated to 20 microns
- Includes (2) 1/4" and (2) 5/16" Valve Core Removal Tools, (2) 1/2" x 6' black MegaFlow hoses, 1/2" and 3/8" Speed-Y Fittings and MegaFlow tool bag



Order #	Mfg. #	Each
H86-125	SPDKIT-V	**1299.00**

MegaFlow Recovery Speed Kit-R



- Faster recovery with unrestricted full flow
- Easy to hook-up multiple connections to a recovery unit
- All components vacuum rated to 20 microns
- Includes (2) 1/4" and (2) 5/16" Valve Core Removal Tools, (2) 3/8" x 6' (red/blue) MegaFlow hoses, 1/4" x 4' yellow MegaFlow hose, 3/8" x 1' drier hose, 3/8" Speed-Y Fitting and MegaFlow tool bag

Order #	Mfg. #	Each
H86-126	SPDKIT-R	**1199.00**

MegaFlow™ Speed Kit Replacement Parts and Accessories

- All components are vacuum-rated to 20 microns
- 1/2" bore forged aluminum manifold with 7 ports for multiple high-flow connections
- Manifold knobs are ball bearing-actuated for easy operation under high pressure
- Manifold diaphragm valves are vacuum-tight when finger-tight
- Ultra-flexible, larger diameter hoses with open, unrestricted fittings for greater flow and faster evacuation and recovery speeds

Order #	Mfg. #	Description	Each
B17-371	MH380006EAR	6' Red MegaFlow 3/8" Hose (1/4" to 3/8")	**135.00**
B17-372	MH380006EAB	6' Blue MegaFlow 3/8" Hose (1/4" to 3/8")	**135.00**
B17-373	MH120006EAK	6' Black MegaFlow 1/2" Hose (1/4" to 3/8")	**195.00**
B18-279	MH380006AAY	6' Yellow MegaFlow 3/8" Hose (1/4" to 1/4")	**135.00**
B21-541	MH380001BAB	1' Blue MegaFlow 3/8" Filter-Drier Adapter Hose (1/4" to 1/4")	**105.00**

Order #	Mfg. #	Description	Each
B21-542	MH380004AAY	4' Yellow MegaFlow 3/8" Hose (1/4" to 1/4")	**115.00**
H28-592	KT11AA-R	1/4" MegaFlow Hose Gaskets (10-Pk.)	**65.00**
H28-593	KT11EE-R	3/8" MegaFlow Hose Gaskets (10-Pk.)	**75.00**
H28-594	KT11GG-R	1/2" MegaFlow Hose Gaskets (10-Pk.)	**79.00**

Hose Hangers



- Easily hang and organize recovery and evacuation hoses
- Keeps hoses clean, dry and free of contaminates
- Protect hose fittings and gaskets from damage

Order #	Mfg. #	Description	Each
H28-678	HH1414	1/4" x 1/4" Hose Hanger (5-Pk.)	**75.00**
H28-679	HH1438	3/8" x 1/4" Hose Hanger (5-Pk.)	**75.00**

MegaFlow Speed-Y Fittings



- Maximizes hose connections
- Merging flow paths eliminates flow restrictions
- Faster evacuation and recovery with unrestricted full flow
- No manifold required, eliminates the tangle of hoses and potential leak points
- Vacuum rated to 20 microns
- Aircraft-Grade aluminum

Order #	Mfg. #	Description	Each
H28-675	SPDY12	Speed-Y Fitting (2 x 3/8" MFL to 1/2" FFL)	**189.00**
H28-676	SPDY14	Speed-Y Fitting (2 x 3/8" MFL to 1/4" FFL)	**185.00**
H28-677	SPDY38	Speed-Y Fitting (2 x 3/8" MFL to 3/8" FFL)	**189.00**

MegaFlow™ Basics Kits



- For use with vacuum pumps (5CFM or more) with 3/8" inlets
- 1/2" ID hose for increased speed and reduced evacuation time
- Vacuum-rated to 20 microns
- Includes MegaFlow 1/4"valve core removal tool and 6' black hose

Order #	Mfg. #	Description	Each
H27-202	MGABAS	1/4" MegaFlow Basics Kit	**335.00**
H28-488	MGABRO	5/16" MegaFlow Basics Kit	**335.00**

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MegaFlow™ Valve Core Removal Tools

NEW

- Removes restrictive access valve cores for high-speed recovery and evacuation
- Rated to hold a 20 micron vacuum
- Compatible with all common refrigerants and oils, including R410a
- Remove and replace valve cores without exposing system to atmosphere
- 1/4" side access port for inline vacuum gauge measurement



Order #	Mfg. #	Description	Each
H26-921	MGAVCT	1/4" Valve Core Removal Tool	**169.00**
H27-056	MGAVCR	5/16" Valve Core Removal Tool	**169.00**
H28-629	KTMV25	Valve Core Tool Rebuild Kit	**129.00**
H29-027	KTMV50	Valve Core O-Rings	**129.00**

Core Control Tools

- Vacuum rated to 20 microns
- 1/4" side port for gauge or hose connections
- Compatible with high-pressure refrigerants
- Double O-Ring design
- Aircraft-grade aluminum
- 1/4" and 5/16" Female flare fittings available



Order #	Mfg. #	Description	Each
H28-888	CCT14	1/4" Vacuum-Rated Core Control Tool	**145.00**
H28-889	CCT516	5/16" Vacuum-Rated Core Control Tool	**145.00**

MegaSeal™ Tools and Accessories

Order #	Mfg. #	Description	Each
B20-536	CTEE14	Low-Loss Charging T-Fitting (1/4" Flare)	**135.00**
B20-537	CTEE516	Low-Loss Charging T-Fitting (5/16" Flare)	**135.00**

Order #	Mfg. #	Description	Each
B20-538	VFL45L	4" 45° Vacuum-Rated Connector (1/4" F-Flare)	**109.00**
B20-628	VFL90L	4" 90° Vacuum-Rated Connector (1/4" F-Flare)	**109.00**

Wireless Full Range Digital Vacuum Gauge

- A2L compatible
- Full range response and accurate measurements from atmosphere to 1 micron
- Free ION app enables remote viewing and advanced features on your Smartphone or tablet
- ION App features include rate of change, alarms and reporting
- Reveal extreme leak points, helping avoid preventable delays
- Rubberized water resistant housing (IP65 Rated)
- Optional auto power off (15 minutes with no change)
- Large, easy-to-read backlit LCD & easy-to-clean sensors
- Certifiable and NIST traceable accuracy
- Displays 6 different units of measurement



Order #	Mfg. #	Each
H27-760	AV760	**1099.00**

SUPEREVAC™ Vacuum Gauge

- Full range measurements from atmosphere to 1 micron
- Automatic ambient temperature and battery compensation
- Calibration standards traceable to (NIST)
- 5.5' sensor cable
- Automatic shutoff after 20 minutes
- Powered by D battery (included)



Order #	Mfg. #	Each
H28-380	69075	**965.00**

Digital Vacuum Gauge

- Patented thermal conductivity sensor automatically compensates for temperature
- Replaceable, cleanable plug-in sensor handles 450 PSI positive pressure
- Digital display reads microns, milliTorr, Torr, millimeters of mercury, millibar, kiloPascal and Pascal
- Calibration standards traceable to (NIST)
- 12" coiled sensor cord stretches to 24" for easy reach, connectivity and display readability
- Numeric readout: 25,000 to 10 microns
- Operating temperature range: +32°F to +122°F
- Automatic shutoff after 20 minutes
- Includes 9V battery



Order #	Mfg. #	Description	Each
H26-665	69086	Digital Vacuum Gauge	**699.00**
H26-666	69087	Replacement Sensor	**189.00**

Omni™ Digital Vacuum Gauges



- Easy-to-use, compact vacuum gauges
- Measures vacuum in microns, Pascals, mBar and mmHg
- Audio and visual signal when target vacuum level is reached
- Electronic paper display for clear visibility, even in direct sunlight
- 45° fitting
- Low battery indicator and automatic power-down when inactive
- Includes 2 AAA batteries

Order #	Mfg. #	Description	Each
H28-425	69020	Omni Vacuum Gauge (1/4" Coupler)	**459.00**
H28-426	69021	Omni Vacuum Gauge (5/16" Coupler)	**459.00**

Vacuum Sensor Cleaning Kit



- Use to clean sensors on ManTooth and Omni/69086 vacuum gauges
- Includes syringe, tubing and adapters

Order #	Mfg. #	Each
H28-671	69030	**79.00**

Supernova Digital Vacuum Gauge



- Large, easy-to-read backlit display
- 3' coiled sensor cord stretches to 6 feet
- Accurate from 10 to 12,000 microns
- Measures in microns, PSI, inHg, Pascals, Torrs, mTorrs and mBars
- Programmable alarm, shutoff and backlight
- Factory calibrated and requires no additional calibration

Order #	Mfg. #	Description	Each
H27-110	DV-41	Vacuum Gauge w/Case and AC Adapter	**739.00**
H26-982	DV-40C	Carrying Case and AC Adapter	**125.00**
H26-983	DV-40AC	AC Adapter	**55.00**

Digital Vacuum Gauges



- Large, easy-to-read backlit display
- Accurate from 10 to 100,000 microns
- Measurements in microns, mBar, Torr and Pascals
- Audio and visual alarms when target vacuum level is achieved
- Includes 3 AAA batteries

Order #	Mfg. #	Description	Each
H25-973	DV-22N	Digital Vacuum Gauge	**555.00**
H28-505	DV-24N	Digital Vacuum Gauge with Case	**585.00**
H27-283	P90009	Replacement O-Ring (10-Pk.)	**16.49**

Wireless Vacuum Gauge



- A2L compatible
- Easy-to-read backlit LCD with bar graph
- Measurement range 50 to 25,000 microns
- Powerful wireless signal with up to 1,000' range
- View readings on your smart device with the Job Link App or on your SMAN digital manifold
- High/low alarms
- IP54 water resistance
- Includes 2 AA batteries

Order #	Mfg. #	Each
H28-730	MG44	**559.00**

Electronic Refrigerant Scale with Alarm



- 110 lb. capacity with 0.25 oz. resolution
- Integrated charge/recover weight alarm
- Full numeric keypad for easy operation
- Strong magnetic back on handset
- Includes soft carrying case

Order #	Mfg. #	Each
H28-135	SRS1	**509.00**

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Wireless Refrigerant Scale

- 13" platform
- Load capacity up to 252 lbs
- Accuracy range ±0.03%rdg + 0.25 oz
- 200+ hours battery life
- IP64 weather resistant rating
- Job Link compatible
- Includes wireless LED remote, carrying case, 9V and 6 AA batteries



Order #	Mfg. #	Each
H28-848	SR47	**795.00**

Atlas Electronic Refrigerant Scale

- Compatible with all refrigerants including R410A
- 220 lb. capacity with 0.25 oz. resolution
- Powered by 9V battery (not included)
- Includes heavy-duty storage case



Order #	Mfg. #	Each
H86-023	DS-20000	**659.00**

Atlas Wireless Electronic Refrigerant Scale

- Wireless connection to smart devices via app
- Wired full color LCD display on removable handset
- 250 lb. capacity
- Job time recording/data logging with email capability
- Programmable weight alarms
- Adjustable units of measurement
- Slip-resistant platform and water-resistant design
- Powered by 4 AA batteries (included)
- Includes durable blow molded case
- Wired handset includes built-in magnets and hanging hook



Order #	Mfg. #	Each
H86-192	DS-250	**679.00**

Atlas Propane Scale

- Accurately measure R600a and R290
- Resolution accuracy within 0.1oz
- Capacity up to 11 lbs.
- Inverted and Upright charging orientations
- Includes charging valve for precise charging
- Schrader valves to prevent loss/leaks
- Includes CLRF Series hoses



Order #	Mfg. #	Description	Each
H86-203	DS-5000	Propane Scale	**505.00**
B22-752	DSR-290SS	¼" Female Secure Seal Fitting (7/16-28)	**69.00**
B22-753	DSR-290LDL	1" Male Lindal Fitting (7/16-28)	**37.99**

560i Refrigerant Scale and Intelligent Valve

- Wireless Bluetooth and digital connection up to 100'
- Highly accurate with .02lb. resolution
- 220 lb. maximum load for all common refrigerant containers
- Dust and water protection (IP44)
- Up to 70 hours battery life
- Compatible with testo Smart App
- Purchase separately or kit option available with scale and intelligent valve



Order #	Mfg. #	Description	Each
H28-825	0564-1560-01	Wireless Refrigerant Scale	**805.00**
H28-826	0564-2560-01	Wireless Refrigerant Scale and Valve Kit	**1299.00**
H28-827	0560-5600-01	Wireless Refrigeration Valve	**545.00**

Flaring/Swaging Spin Sets

NEW

- Flare or swage copper and aluminum tubing in seconds without deburring or clamping tools
- Preserves the malleability of tubing during flaring/swaging without cracks
- Stopper ensures the same size flare/swage every time
- Compatible with corded and 18V cordless drills with at least 1,800 RPM
- **H28-130** includes 1/4", 3/8", 1/2" and 5/8" bits
- **H28-131** includes 1/4", 3/8", 1/2", 5/8" and 3/4" bits
- **H29-030** includes 1/4", 3/8", 1/2", 5/8", 3/4", and 7/8" bits
- **H28-133** includes 1/4", 3/8", 1/2", 5/8", 3/4" and 7/8" bits



Order #	Mfg. #	Description	Each
H28-130	F4000	Flaring Spin Set (4-Pc.)	**215.00**
H28-131	F5000	Flaring Spin Set (5-Pc.)	**235.00**
H29-030	F6000	Flaring Spin Set (6-Pc.)	**285.00**
H28-133	S6000	Swaging Spin Set (6-Pc.)	**285.00**

PRO-Fit™ Flaring and Swaging Kits

RECTORSEAL — A CSW Industrials Company
PRO-Fit™ PRECISION FLARING KIT



- Flares or swages in copper and aluminum tubing in seconds
- Stopper ensures a consistent length
- Compatible with corded and 12V cordless drills with at least 2,000 RPM
- Standard 1/4" hex shank with color coded bits for easy identification
- Includes durable see-through case
- Flaring kit includes 1/4", 3/8", 1/2", 5/8" and 3/4" bits
- Swaging kit includes 1/4", 3/8", 1/2", 5/8", 3/4" and 7/8" bits

Order #	Mfg. #	Description	Each
H28-555	87001	Pro-Fit Flaring Kit (5-Pc.)	**279.00**
H28-556	87011	Pro-Fit Swaging Kit (6-Pc.)	**315.00**

Pinch-Off Tool

YELLOW JACKET



- Allows you to close suction line for testing compressor pumping efficiency and then reopen the line to restore normal flow
- For 1/4", 5/16", 3/8" and 1/2" O.D. tubing

Order #	Mfg. #	Each
H25-298	60665	**65.00**

Tube Expander/Swager Kit

YELLOW JACKET



- Expands 3/8" to 1-1/8" O.D. tubing
- Provides precise swaging on the job
- Able to re-round deformed tube and fitting ends
- Salvage shorts and scrap to make couplings
- Includes handles, 6 expander heads, deburring tool and steel carrying case

Order #	Mfg. #	Each
H85-511	60407	**939.00**

Hydraulic Tube Expander Kit

YELLOW JACKET



- Expands 3/8” to 1-5/8” O.D. tubing with one-hand operation
- Save time and money by eliminating fittings, soldering points and materials
- Includes hydraulic expander pump, 3/8”, 1/2”, 5/8”, 3/4”, 7/8”, 1-1/8”, 1-3/8” and 1-5/8” expander heads, tubing cutter, inner-outer reamer and carrying case

Order #	Mfg. #	Each
H27-358	60493	**1345.00**

Deluxe Flaring Tool

YELLOW JACKET



- Automatic tube height gauge
- Bearings and cam allow burnishing action
- Self-centering flaring yoke
- Multi-faceted burnishing cone rolls out smooth, polished flare seat
- Jaws grip without marring or constricting tube
- Rugged one-piece for dependable long-life performance
- Full range: 1/8" to 3/4" O.D.

Order #	Mfg. #	Each
H26-428	60278	**415.00**

Electric/Manual Lightweight Flaring Tools

YELLOW JACKET



- Use with a cordless or corded power tool for fast flaring
- Aluminum body and bar for lighter weight than traditional steel designs
- Hardened, polished eccentric cone with 45° flare produces a rolling action for uniform flare walls
- Built-in slide gauge to easily meet the desired flare sizes
- Built-in clutch release prevents over-torquing
- Includes carrying case and handle for manual flaring
- **H28-103** includes 6 positions for 1/4”, 5/16”, 3/8”, 1/2”, 5/8” and 3/4” O.D. tubing
- **H28-104** includes 6 positions for 6mm, 8mm, 10mm, 12mm, 16mm and 18mm O.D. tubing

Order #	Mfg. #	Description	Each
H28-103	60241	Standard Power/Manual Flaring Tool	**669.00**
H28-104	60242	Metric Power/Manual Flaring Tool	**699.00**

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Lightweight Flare and Swage Kits

- Aluminum body and bar for lighter weight than traditional steel designs
- Quick connect feature on yoke for easy flaring and swaging
- Built-in slide gauge to easily meet the desired flare sizes
- Includes carrying case
- **H28-101** includes 6 positions for 1/4", 5/16", 3/8", 1/2", 5/8" and 3/4" O.D. tubing
- **H28-102** includes 6 positions for 1/4", 5/16", 3/8", 1/2", 5/8" and 3/4" O.D. tubing and 6 positions for 6mm, 8mm, 10mm, 12mm, 16mm and 18 mm O.D. tube

Order #	Mfg. #	Description	Each
H28-101	60430	Standard Flare and Swage Kit	**525.00**
H28-102	60431	Standard/Metric Flare and Swage Kit	**699.00**



Flare and Swage Kit

- Flares and swages soft copper using interchangeable adapters
- Chrome plated adapters, flare bars, flare cone and yoke
- Flares: 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8" and 3/4" O.D. copper
- Swages: 3/16", 1/4", 5/16", 3/8", 1/2", 5/8" and 3/4" O.D. copper
- Includes deluxe blow molded carrying case

Order #	Mfg. #	Description	Each
H25-407	60440	Swaging and 45° Flaring Tool Kit	**375.00**



45° Flaring Tool

- Self-centering yoke and swivel-type flaring cone makes accurate SAE flares on 7 sizes of tubing
- Flaring bars are hardened steel and yoke is forged steel; both are nickel-chrome plated
- Flares: 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" and 5/8" O.D. tubing

Order #	Mfg. #	Each
H25-301	60210	**105.00**



Slide Block Flare Tool

- Slip-on steel yoke locks on bar with a twist
- Chrome plated burnishing cone polishes flare seat for optimum sealing surface
- Flare 3/16" through 5/8" sizes using heat-treated dies
- Die blocks hold tubing firmly in place

Order #	Mfg. #	Each
H25-405	60270	**215.00**



Heavy-Duty Large Flaring Tool

- Hardened steel flaring bar
- Forged steel yoke
- For sizes 3/4", 7/8", 1" and 1-1/8" O.D.

Order #	Mfg. #	Each
H25-406	60290	**315.00**



Eccentric Cone Flaring Tool

- Off-center hardened steel cone produces a rolling action for uniform flare walls
- Black oxide-finished steel flaring bars are heat-treated for durability and secure grip on tubing
- Flares 3/16" to 3/4" O.D. tubing
- Recommended by some mini-split manufacturers for R410A flare

Order #	Mfg. #	Each
H26-864	60295	**315.00**



Swaging Tool

- Made of fatigue-proof steel with precision ground to size
- Bright chrome finish
- Expands 3/16", 1/4", 5/16", 3/8", 1/2" and 5/8" tube

Order #	Mfg. #	Each
H24-266	60460	**44.49**



Swaging Tools



- Safety turned and chamfered heads
- Exclusive bell-chamfer to meet recognized aluminum tube soldering practice
- Brite-plated, heat treated hex steel

Order #	Mfg. #	Description	Each
H25-303	T21004	1/4"	**25.49**
H25-305	T21006	3/8"	**30.49**
H25-306	T21008	1/2"	**33.49**

Order #	Mfg. #	Description	Each
H25-307	T21010	5/8"	**46.49**
H25-302	T21003	3/16"	**23.99**
H25-304	T21005	5/16"	**27.49**

Order #	Mfg. #	Description	Each
H25-308	T21012	3/4"	**55.00**
H25-309	T21014	7/8"	**75.00**
H25-310	T21024	1/4", 3/8", 1/2", 5/8" Set	**115.00**

Multi-Swage Kit



- 3-piece set for 9 sizes
- Swages 3/16", 1/4", 5/16", 3/8", 7/16", 1/12", 5/8", 3/4", and 7/8" O.D. (1/8", 1/4", 3/8", 1/2", 5/8", and 3/4" nominal)

Order #	Mfg. #	Each
H26-728	T21000	**189.00**

45° Flare/Swage Tool



- Heavy-duty wide range bar type flaring tool
- Hardened bars provide positive clamping action with minimum distortion
- Flares 1/8", 3/16", 1/4", 5/16", 3/8", 7/16" and 3/4" O.D. (1/8", 1/4", 1/2" and 5/8" nominal)
- Swages 3/16", 1/4", 5/16", 3/8", 1/2", 5/8" and 3/4" O.D. (1/8", 1/4", 3/8", 1/2" and 5/8" nominal)

Order #	Mfg. #	Each
H26-819	T20275	**359.00**

Flaring Tools



- **H26-820** flares 3/16", 1/4", 5/16", 3/8" and 7/16" O.D. (1/8", 1/4", 3/8" and 1/2" nominal)
- **H26-821** flares 3/16", 1/4", 5/16", 3/8", 1/2" and 5/8" O.D.

Order #	Mfg. #	Description	Each
H26-820	T20195	3/16" to 7/16" Flaring Tool	**159.00**
H26-821	T20500	3/16" to 5/8" Flaring Tool	**135.00**

Eccentric Cone Flaring Tool



- Off-center hardened steel cone produces a rolling action for uniform flare walls
- Built-in ratchet action has an internal clutch to prevent over-torqueing
- Flares 3/16" to 3/4" O.D. tubing
- Recommended by some mini-split manufacturers for R410A flare

Order #	Mfg. #	Each
H28-055	T30600	**375.00**

Metal Flare Size Gauge



- Designed to measure all flares to provide superior seal tightness against flare fittings
- 1/4", 3/8", 1/2", 5/8", 3/4" SAE

Order #	Mfg. #	Each
H28-664	T30600-G	**59.00**

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Evacuation Recovery Tool

- Quick release trigger punctures large holes into the line for discharge of a recovery unit
- Fits 3/16" to 7/8" O.D. hard tubing



Order #	Mfg. #	Description	Each
H26-937	A32100	Evacuation Recovery Tool	**149.00**
H26-938	A32101	Replacement Needle Assembly	**37.49**

Capillary Tubing Cutting Tool

- Sturdy design
- Clean cut
- No chips
- No collapse of tube



Order #	Mfg. #	Each
H26-369	A10973	**33.99**

Capillary Tubing Gauge and File

- Specifically designed file to cut and open tube
- Precision engineered
- Stainless steel with black etched numbers
- Stainless steel wire plugs
- 14 I.D. sizes from .026" to .090"
- 22 O.D. sizes from .072" to 7/16"



Order #	Mfg. #	Description	Each
H26-368	A10971	Capillary Tubing Gauge and File Set	**85.00**
H28-438	A10972	Capillary Tubing File	**28.99**

Tight Spaces Tubing Cutters

- Non-slip grooved body only needs 1/2" clearance to cut
- Color coded for easy tool recognition and cutting direction
- Stainless steel rollers protect the cutter from corrosion



Order #	Mfg. #	Description	Each
H27-382	14830TS12	1/2" Tube Cutter (5/8" O.D.)	**40.99**
H27-383	14831TS34	3/4" Tube Cutter (7/8" O.D.)	**59.00**
H27-384	14832TS1	1" Tube Cutter (1-1/8" O.D.)	**69.00**
H27-385	14833TSK	1/2", 3/4" and 1" Tube Cutter Kit	**129.00**
H27-386	14829TSB	Replacement Cutter Wheels (2-Pk.)	**29.49**

Tube Cutters

- Won't "walk" while cutting
- Will not damage cutting wheels; full-stop feed system prevents wheels and rollers from coming into contact
- Change out wheels with only a screwdriver
- Store an extra cutting wheel in the handle
- Four roller tracking system keeps tube from threading (**H26-508** and **H26-509** only)



A



B

Fig.	Order #	Mfg. #	Description	Each
A	**H26-505**	21008TC58	1/8" to 5/8" Tube Cutter	**45.49**
A	**H26-506**	21009TC1	1/8" to 1" Tube Cutter	**85.00**
A	**H26-507**	21010TC118	1/8" to 1-1/8" Tube Cutter	**79.00**
B	**H26-508**	21011TC138	1/8" to 1-3/8" Tube Cutter	**109.00**

Fig.	Order #	Mfg. #	Description	Each
B	**H26-509**	21012TC134	1/8" to 1-3/4" Tube Cutter	**165.00**
—	**H26-510**	21192TCW158C2	Repl. Copper Cutter Wheels (2-Pk.)	**36.49**
—	**H26-563**	21193TCW158SS2	Repl. S-Steel Cutter Wheels (2-Pk.)	**36.49**

RIDGID

Tube Cutters



A



B

- For use with hard or soft copper, aluminum, brass and plastic tubing
- Large knurled feed screw knob gives easy control of cutting pressure for clean cuts
- Rollers include grooves for close-to-flare cuts
- **H25-313**, **H25-833**, **H25-834** and **H27-406** include spare wheel in knob
- **H25-833** has a telescoping feed screw design that keeps the cutter at the same length regardless of tubing diameter and a fold-away reamer
- **H25-834** and **H27-406** have a quick-acting design, I-beam construction, hardened wear surfaces, thrust bearing slide assembly and a fold-away reamer

Fig.	Order #	Mfg. #	Model #	Description	Each
A	**H25-311**	32975	103	1/8" to 5/8" Close Quarters Tube Cutter	**44.49**
A	**H25-312**	32985	104	3/16" to 15/16" Close Quarters Tube Cutter	**46.99**
A	**H25-313**	40617	101	1/4" to 1-1/8" Close Quarters Tube Cutter	**65.00**
B	**H25-833**	31622	150	1/8" to 1-1/8" Constant Swing Tube Cutter	**89.00**
B	**H25-834**	31632	151	1/4" to 1-5/8" Quick Acting Tube Cutter	**145.00**
B	**H27-406**	31642	152	1/4" to 2-5/8" Quick Acting Tube Cutter	**235.00**
—	**H25-315**	41317	E-3469	Repl. Copper/Aluminum Cutter Wheels (2-Pk.)	**36.99**

RIDGID

Close Quarters Autofeed Tube Cutters



A


B

- For use with copper, aluminum and brass tubing
- Compact design for easier cutting in tight spaces
- Spring-loaded autofeed cutter wheel only needs to be tightened once
- Includes spare cutter wheel
- **H27-405** includes removable ratcheting handle that can be used in spaces too small to rotate by hand

Fig.	Order #	Mfg. #	Model #	Description	Each
A	**H27-404**	86127	118	1/4" to 1-1/8" Tube Cutter	**85.00**
B	**H27-405**	32573	118	1/4" to 1-1/8" Tube Cutter w/ Ratcheting Handle	**109.00**

YELLOW JACKET

Deburring Tools



- For fast deburring
- Rotating blade

Order #	Mfg. #	Description	Each
H26-663	60163	Deburring Tool	**95.00**
H25-735	60165	Economy Deburring Tool	**28.99**
H26-664	60164	Replacement Blade for 60163	**40.99**

Deburring Tools



- For use with copper and plastic tube
- **H26-806** has non-replaceable blade
- Use the **H26-808** replacement blade for the **H26-807**

Order #	Mfg. #	Description	Each
H26-806	RT21660	Small Deburring Tool	**39.99**
H26-807	RT21655	Deluxe Deburring Tool	**55.00**
H26-808	RT21652B	Replacement Deburring Blade (10-Pk.)	**135.00**

Internal/External Reamer



- For use with 1/8" to 1-5/8" O.D. copper and plastic tube

Order #	Mfg. #	Each
H26-939	RT11006	**69.00**

YELLOW JACKET

3-in-1 Tube Bender



- For 1/4", 5/16" and 3/8" tubing
- Stationary hook holds tubing securely while bending
- Calibrated markings for bends up to 180°
- Versatile, short, compact design

Order #	Mfg. #	Each
H24-097	60390	**89.00**

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Alloy Ratchet Tube Bender Kits

- One-handed bending tool for soft copper, aluminum and light wall hydraulic tubing
- Color coded alloy mandrels to bend 1/4" 5/16", 3/8", 1/2", 5/8", 3/4" and 7/8" tubing
- Bend 3/4" tube to 90˚ in less than 10 seconds
- Simple and secure mandrel attachments with ball-dent feature
- Includes reamer, tube cutter and hard carrying case
- 63325 kit includes a reverse bend adapter



Order #	Mfg. #	Description	Each
H86-160	63331	Ratchet Tube Bender	**505.00**
H86-157	63325	Ratchet Tube Bender w/Rev. Bend Adapter	**725.00**

Reverse Bend Adapter

- Attaches to 63331 ratcheting tube bender for bending tubing from the outside of the bend



Order #	Mfg. #	Each
H28-731	63342	**249.00**

Minibend Tube Bender

- For exact 2 hand bending up to 180°
- Bends 1/4", 5/16" and 3/8" O.D. copper, brass, aluminum and steel tube



Order #	Mfg. #	Each
H26-817	RT25151	**145.00**

Spring Type Tube Benders

- Ideal for irregular bends in soft copper, aluminum, brass and steel
- Carrying pouch included



Order #	Mfg. #	Description	Each
H25-109	BS-55	5-Pc. Spring Set for 1/4", 5/16", 3/8", 1/2" and 5/8"	**75.00**
H26-965	BS-77	7-Pc. Spring Set for 1/4", 5/16", 3/8", 7/16", 1/2", 5/8" and 3/4"	**105.00**
H28-463	BS-12	3/4" Individual Spring	**30.49**
H28-464	BS-14	7/8" Individual Spring	**42.49**

Fin Comb

- Cleans and straightens fins
- Sliding tension bars adjust to various fin sizes
- Stainless steel teeth
- Cushioned handle is contoured to protect your knuckles



Order #	Mfg. #	Each
H25-050	UFC1	**36.49**

Multi-Head Fin Comb

- Used to straighten and clean condenser and evaporator fins
- Color-coded heads are angled and reversible
- Kit includes nylon master handle and 6 heads



Order #	Mfg. #	Description	Fins Per Inch	Color	Each
H25-636	T-100	Fin Comb Kit	Assorted	Assorted	**48.99**

FinFix™ Fin Comb Set

- Designed to easily straighten and clean fins on condensers and evaporators
- Color-coded for quick identification
- Fits fin sizes from 8 to 20 fins per inch



Order #	Mfg. #	Each
H27-822	61158	**42.49**

YELLOW JACKET

Ratchet Wrenches

- For opening and closing compressor service valves, rotalock valves and shutoff valves from 3/16" sq. to 1/2" sq.



Fig.	Order #	Mfg. #	Description	Each
A	**H24-127**	60613	3/16" x 1/4" Sq. x 5/16" x 3/8" Sq.	**29.49**
A	**H28-119**	60610	60613 Ratchet Wrench and 60609 Hex Key Adapter Set	**65.00**
A	**H24-695**	60612	3/16" x 1/4" Sq. x 1/2" x 9/16" Hex	**59.00**
A	**H25-535**	60615	3/8" Sq. x 1/2" Sq.	**65.00**
B	**H26-865**	60616	Offset 3/16" x 1/4" Sq. x 5/16" x 3/8" Sq.	**36.99**
B	**H28-120**	60633	Offset 5/16" x 1/4" Sq.	**36.49**

YELLOW JACKET

Hex Key Adapters

- 3/16" and 5/16" hex adapter in one tool
- Use in conjunction with standard refrigeration service wrench for opening and closing most base mounted service valves on A/C units
- Heat treated with black oxide plating for long life



Order #	Mfg. #	Description	Each
H25-634	60609	Hex Key Adapter	**22.99**
H26-866	60638	Shorter Hex Key Adapter (fits select Coleman/York units)	**37.99**

Ratchet Wrenches

- For opening and closing compressor service valves and shutoff valves



Fig.	Order #	Mfg. #	Description	Each
A	**H27-270**	T21127U	3/16" x 1/4" Sq. x 5/16" x 3/8" Sq.	**45.49**
A	**H27-574**	T21124U	3/16" x 1/4" Sq. x 1/2" x 9/16" Hex	**65.00**
A	**H27-268**	T21125U	3/8" Sq. x 1/2" Sq.	**69.00**
B	**H27-269**	T21126U	Offset 3/16" x 1/4" Sq. x 5/16" x 3/8" Sq.	**43.49**

Hex Key Adapter

- 3/16" and 5/16" hex adapter in one tool
- Use in conjunction with a standard refrigeration service wrench for opening and closing most base mounted service valves
- Heat treated with black oxide plating for long life



Order #	Mfg. #	Each
H27-360	T2-HKA	**39.49**

TURBOTORCH

Self-Igniting Air-Acetylene Torch Kits

- Piezo crystal ignitor built into tip assembly for self-lighting ease of use, no flint, striker or batteries
- Tip uses swirl combustion for maximum brazing temperature, cuts brazing time by 30%
- **H85-307** includes AR-MC regulator, G-4 handle, AH-12 hose and PL-8A tip
- **H85-657** includes AR-B acetylene regulator, G-4 handle, AH-12 hose and PL-8A tip



Order #	Mfg. #	Description	Each
H85-307	PL-8ADLX-MC	Self-Igniting Air Acetylene Kit for MC Tanks	**719.00**
H85-657	PL-8ADLX-B	Self-Igniting Air Acetylene Kit for B Tanks	**775.00**

TURBOTORCH

Self-Igniting Air-Acetylene Replacement Tips



Order #	Mfg. #	Tip Size	Soft Solder	Silver Braze	Each
H26-098	PL-3A	1/4"	1/4"–1"	1/8"–1/2"	**245.00**
H25-554	PL-5A	3/16"	3/4"–1-1/2"	1/4"–3/4"	**395.00**
H25-555	PL-8A	5/16"	1"–2"	1/2"–1"	**389.00**
H25-556	PL-12A	3/8"	2"–4"	1"–2"	**405.00**

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Air-Acetylene Torch Kits

TURBOTORCH

- Swirl combustion tips for maximum brazing temperature
- Bronze braze light to medium gauge steel
- Tip sizes available to match BTUs required for pipe size
- Includes 12' AH-12 hose, acetylene regulator and G-4 handle



Order #	Mfg. #	Soft Solder	Silver Braze	For Use With	Tips Included	Each
H85-223	X-3B	Up to 3"	Up to 1-1/2"	B Tank	A-3, A-11	**1099.00**
H85-224	X-4B	Up to 3-1/2"	Up to 2"	B Tank	A-5, A-14	**1099.00**
H85-226	X-6MC	Up to 2"	Up to 1"	MC Tank	A-3, A-8	**1099.00**

Air-Acetylene Replacement Tips

TURBOTORCH

- Swirl combustion tips available to match Btu´s required for copper tubing size



Order #	Mfg. #	Tip Size	Soft Solder	Silver Braze	Each
H25-021	A-2	3/16"	1/8"–1/2"	1/8"–1/4"	**219.00**
H25-022	A-3	1/4"	1/4"–1"	1/8"–1/2"	**235.00**
H25-023	A-5	5/16"	3/4"–1-1/2"	1/4"–3/4"	**275.00**
H25-024	A-8	3/8"	1"–2"	1/2"–1"	**305.00**
H25-025	A-11	7/16"	1-1/2"–3"	7/8"–1-5/8"	**319.00**
H25-026	A-14	1/2"	2"–3-1/2"	1"–2"	**395.00**
H26-837	A-32	3/4"	4"–6"	1-1/2"– 4"	**565.00**
H28-939	0386-0577	1/8", 1/4", 5/16"	1/8"-2"	1/8"-1"	**885.00**

Air-Acetylene Torch Handle

TURBOTORCH

- Quick disconnect for changing tips
- Accepts all tip sizes
- Tip swivels 360°



Order #	Mfg. #	Each
H25-020	G4	**235.00**

Adjustable Regulators

TURBOTORCH

- Both regulators fit 3/8" 24-thread left hand hose nut



Order #	Mfg. #	Description	Each
H25-028	AR-B	Fits B (CGA-520) Tank	**335.00**
H25-040	AR-MC	Fits MC (CGA-200) Tank	**355.00**
H26-836	AG-1	Replacement Gauge	**105.00**

Twister® Air-Acetylene Torch Kits and Tips

UNIWELD

- Twister swirl combustion tips produce high-energy efficient flame that is stable in windy conditions
- Helical blade inside the tip premixes the fuel gas and air to achieve maximum combustion
- Includes acetylene regulator, quick connect torch handle (TH6), Twister tips and 12-1/2' hose



Order #	Mfg. #	Description	Soft Solder	Silver Braze	For Use With	Tips Included	Each
H85-442	X3BU	Twister Torch Kit	Up to 3"	Up to 1-5/8"	B Tank	A3, A11	**789.00**
H85-443	X4BU	Twister Torch Kit	Up to 3-1/2"	Up to 2"	B Tank	A5, A14	**815.00**
H26-614	X5MCU	Twister Torch Kit	Up to 1-1/2"	Up to 3/4"	MC Tank	A5	**559.00**
H26-301	A-3	Twister Tip	To 1"	To 1/2"	—	—	**199.00**
H26-302	A-5	Twister Tip	3/4"–1-1/2"	1/4"–3/4"	—	—	**235.00**
H26-303	A-8	Twister Tip	1"–2"	1/2"–1"	—	—	**255.00**
H26-304	A-11	Twister Tip	1-1/4"–3"	7/8"–1-5/8"	—	—	**269.00**
H26-305	A-14	Twister Tip	2"–3-1/2"	1"–2"	—	—	**319.00**

Air-Acetylene Torch Handle

UNIWELD

- Ergonomically designed tough grip for balance and comfort
- Quick connect with rear control valve
- Quick connect tips swivel 360°
- Accepts all quick connect tips



Order #	Mfg. #	Each
H26-300	TH6	**205.00**

UNIWELD


A


B

Twister® Ignite Air-Acetylene Torch Kits and Tips

- Twister® swirl combustion technology for stable flame in windy conditions
- Quick connect handle with rear control valve
- Stainless steel metal flame tube
- Self-igniting
- KT2A8XC kit includes RB acetylene regulator, TH6 handle, T2A-8 tip, A-5 tip and 502 carrying stand
- KT2A8XMCC kit includes RMC acetylene regulator, TH6 handle, T2A-8 tip, A-5 tip and 512 carrying stand
- Tanks sold separately

Fig.	Order #	Mfg. #	Description	Soft Solder	Silver Braze	Each
A	**H28-866**	KT2A8XC	RB-Acetylene Twister 2 Kit	3/4" - 2"	1/4" - 1"	**649.00**
B	**H28-867**	KT2A8XMCC	MC-Acetylene Twister 2 Kit	3/4" - 2"	1/4" - 1"	**649.00**
—	**H28-862**	T2A-3	Twister Ignite Tip	Up to 1"	Up to 1/2"	**275.00**
—	**H28-863**	T2A-5	Twister Ignite Tip	3/4"– 1-1/2"	1/4"– 3/4"	**345.00**
—	**H28-864**	T2A-8	Twister Ignite Tip	1"– 2"	1/2"– 1"	**359.00**
—	**H28-865**	T2A-12	Twister Ignite Tip	1-1/4" – 3"	7/8" – 1-5/8"	**375.00**

TURBOTORCH



Sof-Flame™ Acetylene Kit and Tips

- Soft solders to 1"
- "B" tank connection
- Accessory tips listed below fit the WA-400 handle
- Includes CGA-520 regulator, cylinder wrench, gauge guard, WA-400 handle, AH-12 hose and S-4 tip

Order #	Mfg. #	Description	Soft Solder	Each
H85-493	WSF-4	Sof-Flame Kit	Up to 1"	**325.00**
H26-534	S-2	Sof-Flame Tip	Up to 3/8"	**89.00**
H26-535	S-3	Sof-Flame Tip	Up to 1/2"	**75.00**
H26-536	S-4	Sof-Flame Tip	Up to 1"	**75.00**
H26-537	S-5	Sof-Flame Tip	Up to 1-1/2"	**85.00**

TURBOTORCH

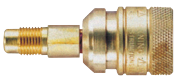


Sof-Flame™ Handle

- Interchangeable with Prest-O-Lite®, Uniweld® and GOSS® equipment
- "A" size 3/8" 24 LH hose threads
- Stainless steel ball valve for added durability
- Replaceable O-ring seal for safety

Order #	Mfg. #	Each
H26-538	WA-400	**175.00**

TURBOTORCH



Snappy Adapter

- Screws into Sof-Flame™ or other threaded handles, adapting it to the TurboTorch® Quick Disconnect tips
- For use with the Acetylene A series and Swirl Propane/MAPP® PL series tips

Order #	Mfg. #	Each
H26-539	0386-0500	**179.00**

UNIWELD



Soft Flame Air-Acetylene Torch Kit

- Ideal for soldering copper tubing
- Produces a precise 2,700°F target heat
- RMC acetylene regulator is fully adjustable 2–15 PSIG
- Use with MC tank
- Includes TH3 screw connect torch handle, S23 air-acetylene tip, RMC acetylene regulator and 12-1/2' "A" connect hose

Order #	Mfg. #	Each
H85-172	K38	**469.00**

UNIWELD



Air-Acetylene/Air-Fuel Torch Handle

- Ergonomically designed tough grip for balance and control
- Accepts all Uniweld Twister®, Thruster®, Soft Flame and specialty screw connect tips
- Screw connect handle with rear control valve

Order #	Mfg. #	Each
H24-463	TH3	**165.00**

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Air-Acetylene Tote Kits

TURBOTORCH

- Complete kit for brazing and soldering projects
- Extreme standard and self-lighting tips provide maximum temperatures and "on target" heat
- Tank sold separately
- **H95-491** includes AR-MC regulator, G-4 handle, PL-5A tip, A-8 tip, AH-12 hose, "MC" tank connections and TT-MC tote
- **H85-549** includes AR-B regulator, G-4 handle, PL-8A tip, A-3 tip, AH-12 hose, "B" tank connections and TT-150 tote
- **H85-656** Includes AR-B regulator, G-4 handle, PL-8A tip, A-3 tip, AH-12 hose and rolling tote


A B C

Fig.	Order #	Mfg. #	Description	Each
A	**H85-491**	TDLX2003	Air Acetylene Kit for MC Tanks	**745.00**
B	**H85-549**	TDLX2003B	Air Acetylene Kit for B Tanks	**1199.00**
C	**H85-656**	TDLX2010B	Air Acetylene Rolling Tote Kit for B Tanks	**889.00**

Oxy-Acetylene Brazing Kits

VICTOR AN ESAB BRAND

- Designed for medium-duty cutting, brazing and heating jobs
- Neutral flame temperature reaches 5,720°F with equal pressure design
- Use with MC and R cylinders
- Includes torch handle, oxygen regulator, acetylene regulator, check valves, air-fuel adapter, self-igniting tip, 12-1/2' twin hose, "A" fitting 3/16", green plastic tote, goggles, striker and additional items listed in chart below



Order #	Mfg. #	Brazing Nozzles	Braze/Weld Range	Cutting Attachment	Cutting Tip	Tanks	Tank Key	Each
H85-282	G150-J-APT	2-W-J & 4-W-J	1/2"–1-1/2"	—	—	MC & R	Y	**1699.00**
H85-495	G150-J-ACP	00-W-J, 1-W-J & 3-W-J	1/8"–3/4"	Y	0-3-101	—	—	**1899.00**
H85-494	G150-J-AP	2-W-J & 4-W-J	1/2"–1-1/2"	—	—	—	—	**1499.00**

Oxy-Acetylene Brazing Kits

VICTOR AN ESAB BRAND

- Designed for light-duty cutting, brazing and heating jobs
- Stainless steel needle valves
- Solid one-piece tip and mixer design
- Includes: torch handle, oxygen regulator, acetylene regulator, check valves, striker, goggles and 12-1/2' twin hose
- Refer to the following chart for additional components



Order #	Mfg. #	Brazing Nozzles	Braze/Weld Range	Cutting Attachment	Cutting Tip	Tanks	Tank Key	Tote Case	Each
H85-401	G150-J-CPT	0-W-J & 2-W-J	1/4"–1-1/2"	Y	0-3-101	MC & R	Y	Y	**1499.00**
H85-400	G150-J-CP	0-W-J & 2-W-J	1/4"–1-1/2"	Y	0-3-101	—	—	Y	**889.00**
H85-399	G150-J-P	0-W-J & 2-W-J	1/4"–1-1/2"	—	—	—	—	Y	**775.00**
H85-497	G150-J-CE	0-W-J & 2-W-J	1/4"–1-1/2"	Y	0-3-101	—	—	—	**879.00**
H85-496	G150-J-E	0-W-J & 2-W-J	1/4"–1-1/2"	—	—	—	—	—	**805.00**

Oxy-Acetylene Torch Handle

TURBOTORCH

- For use with "A" hose fittings, 3/8"–24
- Threaded joints provide easier service
- Stainless steel ball stems and Teflon® packing for gas-tight operation



Order #	Mfg. #	Each
H26-090	103-01FP	**299.00**

Adapter

TURBOTORCH

- Fits TurboTorch® oxy-acetylene handle **H26-090** allowing the use of TurboTorch air-acetylene tips with just the acetylene regulator of the oxy-acetylene kit
- Adapter accepts standard and self-ignition TurboTorch tips



Order #	Mfg. #	Each
H25-563	160-02P	**269.00**

Cutting Attachment

TURBOTORCH

- Use with TurboTorch® **H26-090** handle
- Stainless steel lever and tubes for durability
- Double O-ring seal



Order #	Mfg. #	Each
H25-330	152-01FP	**459.00**

TURBOTORCH

Oxy-Acetylene Cutting Tips

- For use with 151-01FP and 152-01FP TurboTorch® cutting attachments



Order #	Mfg. #	Description	Brazing Capacity	Each
H24-406	00-3-101-CS	Size 00 Cutting Tip	To 1/4"	**65.00**
H25-331	0-3-101-CS	Size 0 Cutting Tip	To 1/2"	**65.00**
H26-546	2-3-101-CS	Size 2 Cutting Tip	To 1"	**65.00**

TURBOTORCH

Reverse Flow Check Valve Set

- "A" fittings



Order #	Mfg. #	Each
H26-541	SKCV	**119.00**

TURBOTORCH

Oxy-Acetylene Twin Hose

- 12-1/2' twin hose, "A" fitting 3/16"



Order #	Mfg. #	Each
H26-540	252-03P	**149.00**

VICTOR AN ESAB BRAND

Oxygen and Acetylene Regulators

- Durable, all brass construction
- Smooth pressure adjustment
- Easy-to-read 50mm gauges, 1/8" 27 NPT



A



B

Fig.	Order #	Mfg. #	Description	Gas Type	High Pressure Gauge	Low Pressure Gauge	Each
A	**H26-091**	G150-15-200	Regulator	Acetylene	400 PSIG	30 PSIG	**185.00**
B	**H26-092**	G150-60-540	Regulator	Oxygen	4,000 PSIG	100 PSIG	**185.00**
—	**H26-545**	1435-0090RP	Replacement Gauge	Acetylene — Delivery	—	0–30 PSIG	**85.00**
—	**H26-544**	1435-0091RP	Replacement Gauge	Oxygen — Delivery	—	0–100 PSIG	**85.00**
—	**H26-543**	1435-0094RP	Replacement Gauge	Acetylene — Contents	0–400 PSIG	—	**85.00**
—	**H26-542**	1435-0096RP	Replacement Gauge	Oxygen — Contents	0–4,000 PSIG	—	**85.00**

TURBOTORCH

Oxy-Acetylene Brazing Tips

- Fits all TurboTorch® front valve handles



A



B

Fig.	Order #	Mfg. #	Description	Each
A	**H26-093**	00-W-J	Size 00 Welding Nozzle & Mixer	**85.00**
A	**H26-094**	0-W-J	Size 0 Welding Nozzle & Mixer	**85.00**
A	**H26-095**	1-W-J	Size 1 Welding Nozzle & Mixer	**79.00**
A	**H26-096**	2-W-J	Size 2 Welding Nozzle & Mixer	**79.00**
A	**H26-487**	3-W-J	Size 3 Welding Nozzle & Mixer	**79.00**
A	**H26-488**	4-W-J	Size 4 Welding Nozzle & Mixer	**85.00**
B	**H26-097**	VMA-J-15	Multi Flame Nozzle & Mixer	**175.00**

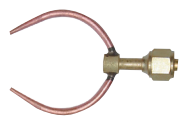
TURBOTORCH

Oxy-Acetylene Brazing Tips

- Ideal for hard to reach areas
- These tips can be used on TurboTorch® handles with adapter **H25-981**
- Can be used directly with Smith handles



A



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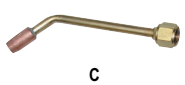

C

Fig.	Order #	Mfg. #	Description	Brazing Capacity	Each
A	**H25-989**	V-1	Single-Flame Tip	1/4"–7/8"	**145.00**
A	**H25-990**	V-2	Single-Flame Tip	1/2"–1"	**145.00**
A	**H25-991**	V-3	Single-Flame Tip	5/8"–1-1/8"	**145.00**
B	**H25-983**	D-1	Dual-Flame Twin Tip	1/4"–7/8"	**245.00**
B	**H25-984**	D-2	Dual-Flame Twin Tip	1/2"–1-1/8"	**265.00**
C	**H25-988**	VMA	Multi-Flame Heating Tip	1/4"–1-3/4"	**209.00**

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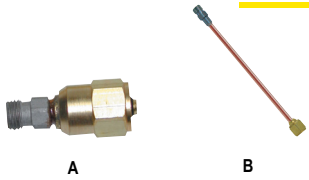
Accessories For Oxy-Acetylene Brazing Tips

- **H25-981** mixer adapter allows oxy-acetylene brazing tips to be used on TurboTorch® oxy-acetylene handles

Fig.	Order #	Mfg. #	Description	Each
A	**H25-981**	VM-J	Adapter for CWK Kit Handles	**189.00**
B	**H25-992**	E-6	6" Flexible Extension	**265.00**
B	**H25-993**	E-10	10" Flexible Extension	**255.00**



Cap'n Hook® Oxy-Acetylene Brazing Outfits

- Cap'n Hook flame tip brazes up to 1" copper tubing
- Welding tip brazes up to 1" copper tubing and welds up to 1/8" steel
- Centurion® regulators with reseatable safety blow off feature protective rubber gauge boots
- Includes front valve welding handle with stainless steel ball point valves for accurate gas control
- **H85-957** and **H85-958** include cutting attachment for cutting up to 1/2" steel

Order #	Mfg. #	Description	Each
H85-955	KCHP	Without Cutting Attachment, no Tanks	**745.00**
H85-956	KCHPT	Without Cutting Attachment, with Tanks	**1399.00**
H85-957	KLCHP	With Cutting Attachment, no Tanks	**845.00**
H85-958	KLCHPT	With Cutting Attachment, with Tanks	**1499.00**



Centurion® Oxy-Acetylene Brazing Outfits

- Capable of brazing up to 1" copper tubing and welding up to 1/8" steel (with supplied tips)
- Includes Centurion® regulators
- Includes welding handle (Mfg.# 71), 2 welding/brazing tips (Type 17-0, Type 17-2), oxygen regulator (RO100), acetylene regulator (RMC100), twin hose, safety goggles, flint lighter and plastic carrying stand
- **H85-440** also includes cutting attachment (CA100) and cutting tip (CT100-0)

Order #	Mfg. #	Description	Each
H85-439	KC100P	Without Cutting Attachment, no Tanks	**725.00**
H85-440	KLC100P	With Cutting Attachment, no Tanks	**815.00**
H85-441	KC100PT	Without Cutting Attachment, with Tanks	**1345.00**



Oxy-Acetylene Torch Handle

- "A" hose connection
- 2-tube silver brazed construction
- Front stainless steel ballpoint valves
- One-hand fingertip control and positive shutoff

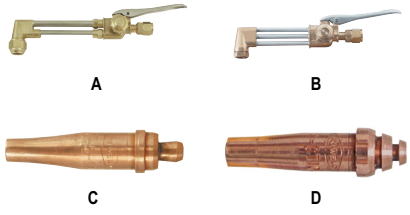
Order #	Mfg. #	Description	Each
H26-283	71	Welding Handle	**329.00**



Cutting Attachments and Tips

- For cutting through steel and other metals
- For use with Uniweld and most TurboTorch® welding handles (no adapters required)
- Fits various attachments which cut up to 2" steel
- CA550 is a heavy-duty one-piece solid copper mixer
- CA100 mixes all fuel gases in the cutting tip for superior performance and safety
- Cutting tips 5-101-0D and CT100-0D cut up to 1/2"

Fig.	Order #	Mfg. #	Description	Each
A	**H26-295**	CA550	Cutting Attachment	**429.00**
B	**H26-622**	CA100	Cutting Attachment	**385.00**
C	**H26-296**	5-101-0D	Cutting Tip for CA550	**69.00**
D	**H26-623**	CT100-0D	Cutting Tip for CA100	**65.00**



Oxygen and Acetylene Regulators

- Compact design with rear inlet service and various CGA cylinder connections
- Forged brass body
- Low profile forged brass pressure adjusting screw
- Specially compounded diaphragm and seat material
- Easy-to-read 1-1/2" gauges with protective boot



A B C D E F

Fig.	Order #	Mfg. #	Description	Gas Type	Cylinders	Max. Pressure	Contents Gauge Range	Delivery Gauge Range	Each
A	**H26-299**	RB	Regulator	Acetylene	B Tank	15	0–Full	—	**265.00**
B	**H26-615**	RMC	Regulator	Acetylene	MC Tank	15	0–Full	—	**249.00**
C	**H26-297**	RMC2	Regulator	Acetylene	MC Tank	15	0–Full	0–30	**295.00**
D	**H26-298**	RO	Regulator	Oxygen	R Tank	60	0–4,000 PSI	0–100	**315.00**
E	**H27-151**	RMC100	Centurion Regulator	Acetylene	MC Tank	15	0–Full	0–30	**275.00**
F	**H27-152**	RO100	Centurion Regulator	—	R Tank	60	0–4,000 PSI	0–100	**295.00**
—	**H26-410**	G56D	Replacement Gauge	Oxygen — Contents	—	—	0–4,000 PSI	—	**48.49**
—	**H26-408**	G19D	Replacement Gauge	Acetylene — Contents	—	—	1/4–Full	—	**40.49**
—	**H26-409**	G49D	Replacement Gauge	Oxygen — Delivery	—	—	—	0–100 PSI	**40.49**
—	**H26-407**	G15D	Replacement Gauge	Acetylene — Delivery	—	—	—	0–30 PSI	**40.49**

Oxy-Acetylene Brazing Tips

- For use with acetylene, propane, MAPP® and natural gas fuels
- Type 17-15 has rosebud tip designed with multi-flame nozzle and mixer
- All Type 17 brazing and welding tips fit both Uniweld and TurboTorch® oxy-acetylene torch handles

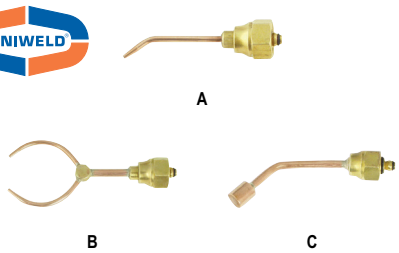


A B

Fig.	Order #	Mfg. #	Description	Each
A	**H26-284**	Type17-0	Braze to 1/2", Weld to 5/64"	**95.00**
A	**H26-285**	Type17-1	Braze to 3/4", Weld to 3/32"	**95.00**
A	**H26-286**	Type17-2	Braze to 1", Weld to 1/8"	**95.00**
A	**H26-287**	Type17-3	Braze to 1-1/2", Weld to 3/16"	**99.00**
B	**H26-288**	Type17-15	Rosebud Heating Tip, Braze to 2-5/8"	**199.00**

Micro 6000™ Oxy-Acetylene Brazing Tips

- Provide concentrated heat up to 6000°F
- Minimize chances of overheating adjacent components
- Fit both Uniweld and TurboTorch® oxy-acetylene torch handles (no adapters required)



A B C

Fig.	Order #	Mfg. #	Description	Brazing Capacity	Each
A	**H26-293**	MTW-2	Micro Precision Tip	To 1"	**75.00**
B	**H26-294**	MTT	Flexible Twin Tip	To 1"	**129.00**
C	**H26-292**	MTR	Rosebud Tip	To 1-1/2"	**109.00**

Cap'n Hook® Oxy-Acetylene Brazing Tips

- 100% flame wraparound for even heat distribution
- Provide concentrated stable flame that heats up to 5,600°F
- Fit both Uniweld and TurboTorch® oxy-acetylene torch handles



A B

Fig.	Order #	Mfg. #	Description	Brazing Capacity	Each
A	**H26-290**	MTF-5	Five Flame Tip	To 1"	**155.00**
B	**H26-291**	MTF-9	Nine Flame Tip	2"	**235.00**

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Tuning Fork™ Oxy-Acetylene Tip

- Designed for removal/replacement of a heat pump reversing valve
- Heats up all fittings at once and removes the valve without altering the original copper tubing and fittings
- Fits both Uniweld and TurboTorch® oxy-acetylene torch handles



Order #	Mfg. #	Description	Each
H26-289	Type17TFT	Tuning Fork Tip	**255.00**

Flashback Arrestors

- Flashback occurs when mixed gases are ignited in the torch, hose or regulator, causing a potentially dangerous situation
- Flashback arrestors are designed specifically to help prevent reverse flow of gases and quench flashbacks at the torch handle
- Built-in check valve also prevents reverse flow of gases
- 2 pack includes one each for oxygen and fuel
- “A” fitting, 3/8"–24



Order #	Mfg. #	Each
H26-620	TFAA	**265.00**

Nitrogen Purge Tote Kit

- A complete tote kit to pressure check and purge lines before brazing
- Includes empty nitrogen cylinder (40 cu. ft.), nitrogen regulator, 6' hose, blow gun and carrying tote



Order #	Mfg. #	Each
H85-658	SKP-40T	**1699.00**

Nitrogen Purge Kit

- A complete kit to pressure check and purge lines before brazing
- Includes nitrogen regulator, turbo tornado, 1/2" cone plug, 3/4" cone plug, needle tip, CO2 adapter, 36" x 1/4" hose, 72" x 1/4" hose and blow gun



Order #	Mfg. #	Each
H85-585	NPK-TT	**715.00**

Nitrogen Purge Kit Replacement Parts and Accessories

Order #	Mfg. #	Description	Each
H27-009	TT-1	Turbo Tornado	**89.00**
H27-016	BG-NPK	Blow Gun	**195.00**

Nitrogen Regulators

- Forged brass body with easy to read 2" (51mm) gauges
- 1/4" flare outlet fittings accept standard refrigeration hoses
- CGA-580 inert gas inlet connection fits all nitrogen tanks
- Gauge content: 4,000 PSIG, 600 PSIG delivery



Order #	Mfg. #	Description	Delivery Pressure	Each
H85-432	245-03P	Nitrogen Regulator	500 PSIG	**195.00**
H26-531	1424=0019	Replacement Gauge — Contents	—	**85.00**
H26-532	1424=0381	Replacement Gauge — Delivery	—	**79.00**

G Series Nitrogen Purge Regulator

- Heavy-duty steel gauge guard for added protection
- Patented G series high strength alloy bonnet
- Contoured, easy to grip knob for precision control
- 1/4" flare fitting accept standard refrigeration hoses
- CGA-580 inert gas inlet connection fits all nitrogen tanks



Order #	Mfg. #	Delivery Pressure	Each
H28-049	GP250-500-580	500 PSIG	**249.00**

TURBOTORCH



High Pressure Nitrogen Regulator

- Heavy-duty gauge guard for added protection
- Contoured, easy to grip knob for precision control
- 1/4" flare fitting accept standard refrigeration hoses
- CGA-580 inert gas inlet connection fits all nitrogen tanks

Order #	Mfg. #	Delivery Pressure	Each
H27-378	250-800-580	800 PSIG	**285.00**

TURBOTORCH



Nitrogen Flowmeter

- Provides visual confirmation and controlled flow of nitrogen gas flow through copper lines while brazing
- Helps eliminate scale and oxidation that can cause blockage in a system
- 1/4" flare outlet connection; attaches directly to any nitrogen regulator with a 1/4" male flare outlet fitting

Order #	Mfg. #	Each
H27-379	NFM-TT	**115.00**

TURBOTORCH



EDGE™ 2.0 Series Pressure/Flow Hybrid Nitrogen Regulator

- Single stage cylinder delivers convenience, safety and performance
- Dual stage orifice technology allows one regulator to control both pressure and flow
- Fully enclosed, highly visible modular gauges
- SLAM™ (Shock Limitation and Absorption) technology built into the adjusting knob
- 1/4" flare fitting to accept standard refrigeration hoses
- CGA-580 inert gas inlet connection fits all nitrogen

Order #	Mfg. #	Delivery Pressure	Each
H28-535	0781-3652	800 PSIG	**459.00**

UNIWELD



Sludge Sucker™ Kits

- For use with nitrogen or CO2 (with adapter)
- **H85-344** includes nitrogen regulator, Sludge Sucker attachment, Sludge Blaster, 2 and 6-foot hoses, blowgun and carrying stand
- **H85-608** includes nitrogen regulator, Sludge Sucker attachment, Sludge Blaster, 2 and 6' hoses, needle tip, 1/2" and 3/4" rubber plugs, blowgun and air chuck
- Nitrogen and CO2 tanks not included
- **H26-213** CO2 adapter delivers up to 175 PSI; can be used for cleaning condensate drain lines, cleaning coils, unclogging sinks
- **H26-211** Sludge Blaster™ accessory expands inside pipe, and uses pressure exerted on the clog to "blast" sludge free; attaches to any standard 1/4" service hose

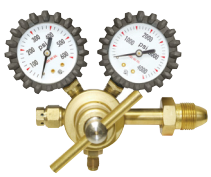
Order #	Mfg. #	Description	Each
H85-344	40040	Sludge Sucker Kit with Stand	**645.00**
H85-329	40000	Sludge Sucker Attachment	**95.00**
H85-608	40055	Sludge Sucker/Blaster Maintenance Kit without Stand	**555.00**

UNIWELD

Sludge Sucker™ Replacement Parts and Accessories

Order #	Mfg. #	Description	Each
H85-330	H6SMBY	6' Yellow Hose	**69.00**
H85-423	H2SSM	2' Yellow Hose	**38.49**
H25-658	BG1	Blow Gun	**69.00**
H26-211	40061	Sludge Blaster	**65.00**
H26-213	F36	CO Adapter	**48.49**

UNIWELD



Nitrogen Regulators

- Forged brass body with easy-to-read 2" gauges
- 1/4" flare outlet fittings accept standard refrigeration hoses
- CGA-580 inert gas inlet connection fits all nitrogen tanks

Order #	Mfg. #	Description	Delivery Pressure	Each
H26-212	RHP400	400 PSI Nitrogen Regulator	400 PSIG	**265.00**
H27-740	RHP800	800 PSI Nitrogen Regulator	800 PSIG	**275.00**
H26-648	G7SD	Replacement Gauge — Contents	—	**47.99**
H26-649	G8SD	Replacement Gauge — Delivery	—	**39.49**
H28-749	G34SD	Replacement Gauge (Delivery/1,000 PSI)	—	**47.99**

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CO2 High Pressure Regulator

- Forged brass body with easy-to-read 2" gauges
- 1/4" male flare outlet connection
- CGA-320 CO2 gas inlet connection
- Large T-handle for easy adjustment



Order #	Mfg. #	Description	Each
H28-750	RHPC1500	1,500 PSI CO2 Regulator	**439.00**
H28-751	G3SD	Replacement Gauge (Delivery/3,000 PSI)	**47.99**

Nitrogen Flowmeter

- Low-pressure nitrogen gas must be flowing through the copper lines when brazing to eliminate scale and oxidation that can cause blockage in a system
- A nitrogen flowmeter has a float ball that rises in the flowmeter tube indicating low-pressure flow of nitrogen when purging copper lines during the brazing process
- 1/4" flare outlet connection; attaches directly to any nitrogen regulator with a 1/4" male flare outlet fitting



Order #	Mfg. #	Each
H26-625	UNF3	**175.00**

NitroVue™ Flow Indicator

- Precision adjustable valve to control the low flow of nitrogen
- Easy-to-read flow indicator label simplifies purging and brazing
- Reseatable safety blow off opens at 200+PSI
- 1/4" female inlet by 1/4" male flare outlet connections



Order #	Mfg. #	Each
H27-741	NV1	**159.00**

Braze-Rite Adapter

- Quickly connects to manifold gauge hose and slips easily and securely into pipe
- Allows for bleed of nitrogen through pipe being brazed to keep pipes clean and oxide-free



Order #	Mfg. #	Each
H26-966	BRZ1000	**129.00**

Nitrogen Purge Boot

- Creates hands-free connection between nitrogen regulator and refrigerant line
- O-rings are compatible with all refrigerants, oils, and flushing agents
- Use on de-burred refrigerant tubing
- Compatible with 3/8", 1/2", 5/8", 3/4" 7/8" and 1-1/8" OD ACR



Order #	Mfg. #	Each
H28-984	TFXNPB	**75.00**

Nitrogen Purge Tool

- Quick and easy way to purge copper pipes with nitrogen
- Just switch between purge, braze and off without the need to fumble with a flow indicator valve
- Designed to operate at 50 PSI inlet pressure, with a maximum pressure of 200 PSI



Order #	Mfg. #	Each
H28-091	DP-1	**179.00**

DIVERSITECH



Hazardous Material Shipping Alert

Drain Gun™

- Lightweight portable tool designed to blow out drain lines instantly
- 800 PSI of oil-free food grade air available at the press of a trigger
- Tapered fitting works on 3/8" through 3/4" drain openings
- Flexible hose assembly
- Eliminates need for air or nitrogen tanks

Order #	Mfg. #	Description	Each
H26-164	GG-1	Drain Gun	**95.00**
H26-165	GGC-12	SWOOSH CO2 Cartridges (12-Pk.)	**85.00**

DIVERSITECH



Hazardous Material Shipping Alert

SWOOSH® Drain Gun Big Shot™

- Designed to blow out drain lines instantly
- New larger 20 gram SWOOSH CO2 cartridges deliver 800 PSI of oil free air to clear the line, with 25% more capacity
- Comes equipped with a tapered fitting to work on 3/8" - 3/4" drain openings
- Flexible hose assembly maneuvers through cabinets, coils and hard to reach drains

Order #	Mfg. #	Description	Each
H28-660	SG-1	Drain Gun	**95.00**
H28-661	SGC-12	20 Gram CO2 Cartridges (12-Pk.)	**89.00**

DIVERSITECH



SWOOSH® Drain Gun Double Shot™

- Designed to blow out drain lines instantly
- Uses one or two large 20 gram SWOOSH CO2 cartridges which deliver 800 PSI of oil free air to clear the line
- Indicator indicates when cylinders are charged
- Kit includes drain gun, 2 20 gram CO2 cartridges, 1 connector, 1 3/16" - 1/4" adaptor, 1 Super Lube packet and one carrying case
- Uses **H28-661** replacement CO2 cartridges

Order #	Mfg. #	Each
H28-824	SG-2KIT	**255.00**

hilmar

Line Set Cleaner Tool Kit

NEW

- Uses a pressurized source to launch a foam pig into the line set to wipe the pipe clean of contaminants and remaining refrigerants
- Simply connect the correct nozzle, chamber the corresponding pig size, connect to a regulated compressed Nitrogen source, and pull the trigger for a perfectly clean line set
- Effectively wipes contaminants and remaining oil from line sets ranging from 3/8" to 7/8"
- The rinseable/reusable foam cleaning pigs are specially formulated and manufactured to flow through normal line set configurations and most deformations
- **H28-886** kit consists of 10EA 3/8" & 1/2" and 25EA 5/8", 3/4" and 7/8"



A



B



C



D

Fig.	Order #	Mfg. #	Description	Each
Tool Kit				
A	**H86-197**	HLC007	Complete Tool Kit	**989.00**
Accessories				
B	**H28-817**	HLP038	3/8" Foam Pig 10-Pk.	**36.49**
B	**H28-818**	HLP012	1/2" Foam Pig 10-Pk.	**38.49**
B	**H28-819**	HLP058	5/8" Foam Pig 10-Pk.	**39.99**
B	**H28-820**	HLP034	3/4" Foam Pig 10-Pk.	**41.99**
B	**H28-821**	HLP078	7/8" Foam Pig 10-Pk.	**43.99**
B	**H28-822**	HLP099	Foam Pig Kit - 2 of Each Size	**29.99**
C	**H28-886**	HLP095	Foam Pig Kit - 95-Pk.	**205.00**
D	**H29-028** ◀	HLN014	1/4" Nozzle	**149.00**
D	**H29-029** ◀	HLN118	1-1/8" Nozzle	**205.00**

DIVERSITECH



Drain Dawg

- Inflatable drain line flusher for 3/4" to 1" pipe
- Fills and seals the line, then allows air pressure to flush the line
- For use with air, nitrogen and CO2
- 140 PSI maximum pressure

Order #	Mfg. #	Description	Each
H26-145	DF-75	Drain Dawg	**65.00**
H26-147	AP-06	Drain Dawg Accessory Pack	**219.00**

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Drain Dawg™ Drain Cleaning Kit

DIVERSITECH

- Complete kit for cleaning clogged drains and condenser and evaporator coils
- **H85-408** includes CT-475M regulator, FA-02 C02 to nitrogen adapter, DF-75 Drain Dawg, CK-141 universal drain cone, BS-25 blowgun with safety tip, TG-10 10' straight hose, CW-24 24" whip hose, QN-S3 needle tip and TC-25 tire chuck
- **H26-588** includes DF-75 Drain Dawg, BS-25 blowgun with safety tip, TG-10 10' straight hose, CW-15 15" whip hose, QN-S3 needle tip and TC-25 tire chuck



Order #	Mfg. #	Description	Each
H85-408	CB-2	Nitrogen/CO2 Regulator and Blowgun Kit	**565.00**
H26-588	HK-12	Nitrogen/CO2 Accessory Kit	**469.00**
H85-409	CT-475M	Nitrogen/CO2 Regulator with CO2 Adapter	**305.00**

Drain Kat™ Mini Kit for Nitrogen or CO2

DIVERSITECH

- Lightweight and portable kits are perfect for blowing drain lines and cleaning equipment on roofs or remote locations
- Refill at your truck or at the shop
- Includes 2.5 lb. cylinder, EZ carry tote with holster, deluxe shoulder strap, 87" hose, blowgun with safety tip, adjustable 250 PSI regulator, FA-01 nitrogen/CO2 transfill adapter, FA-03 CO2 refill adapter and CK-141 universal drain cone



Order #	Mfg. #	Each
H26-144	MBK-6	**865.00**

Nitrogen and CO2 Cleaning System Replacement Parts and Accessories

DIVERSITECH

Order #	Mfg. #	Description	Each
H26-583	CK-141	Universal Drain Cone (for MBK-6)	**55.00**
H26-584	CW-30	30" Whip Hose	**79.00**
H26-585	FA-01	Nitrogen to CO2 Adapter MxM (for MBK-6)	**95.00**

Order #	Mfg. #	Description	Each
H26-586	FA-02	CO2 to Nitrogen Adapter FxF (for CB-2 and CT-475M)	**55.00**
H26-587	FA-03	CO2 to CO2 Adapter FxF (for MBK-6 and RBK-6)	**59.00**

A/C Drain Pump

RECTORSEAL
A CSW Industrials Company

- Powerful tool can be used from inside home to keep A/C drain lines flowing freely, allowing a homeowner to clear a drain line if a contractor is not available immediately
- Works on any 3/4" PVC drain line and most cleanout devices, not just All-Access
- Foot activated pump



Order #	Mfg. #	Each
H86-092	83418	**205.00**

Self-Igniting Hand Torches

TURBOTORCH

- For use with propane/MAP-Pro™ fuel
- Extreme® swirl tip concentrates heat and reduces heating time
- Diaphragm regulator provides high gas flow for maximum temperatures
- Size 3 tip is perfect for smaller sizes (1/2" and smaller) and soft soldering applications
- Size 4 tip will braze up to 2" and soft solder up to 4"



Order #	Mfg. #	Description	Each
H26-486	TX500	With #3 and #4 Tip	**369.00**
H25-403	TX504	With #4 Tip	**335.00**

Self-Lighting Hand Torch

TURBOTORCH

- 180° swivel tip
- Preset flame with safety trigger lock
- For use with MAPP, MAP-Pro and propane



Order #	Mfg. #	Each
H24-391	SK-7000	**245.00**

UNIWELD

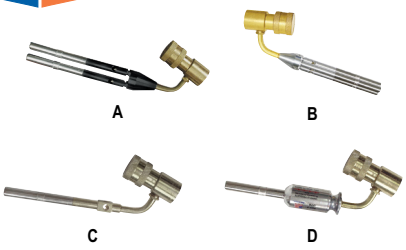


Twister®2 Self-Igniting Hand Torch

- For use with propane/MAP-Pro™ fuel
- Solders up to 3" and brazes up to 1" with MAP-Pro
- Flame tube swivels 360°, operates in any position
- Self-igniting with swirl combustion tip and trigger lock
- Ergonomically designed pistol grip handle

Order #	Mfg. #	Each
H85-477	HT44	**239.00**

UNIWELD

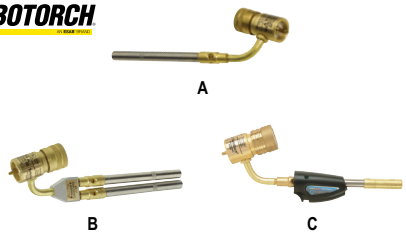


Unitorch® Swivel Tip Hand Torch Kits

- For use with propane/MAP-Pro™ fuel
- All brass and stainless steel piston design regulator for positive, safe shut-off
- Tip swivels 360° for operation in any position, even upside down
- RP3T2 and RP3T3 must be operated in an upright position

Fig.	Order #	Mfg. #	Tip	Solders	Brazes w/ MAP-Pro	Brazes w/ Propane	Barrel	Self-Lighting	Each
A	**H26-616**	RP3T2	UT2	Up to 2–1/2"	Up to 4"	Up to 2–1/2"	Double	—	**305.00**
B	**H26-617**	RP3T3	UT3	Up to 4"	Up to 6"	Up to 4"	Triple	—	**379.00**
C	**H26-618**	RP3T5	UT5	Up to 1–1/2"	Up to 7/8"	Up to 5/8"	Single	—	**229.00**
D	**H26-619**	RP3T6	UT6	Up to 1–1/2"	Up to 7/8"	Up to 5/8"	Single	Y	**285.00**

TURBOTORCH



Swivel Tip Hand Torch Kits

- For use with propane/MAP-Pro™ fuel
- Includes STK-R pressure regulator CGA-600 and tip
- Steel flame holder ensures consistent swirl combustion in high temperatures

Fig.	Order #	Mfg. #	Tip	Solders	Brazes w/ MAP-Pro	Brazes w/ Propane	Barrel	Self-Lighting	Each
A	**H25-029**	STK-9	ST-3	Up to 3-1/2"	Up to 1-3/4"	Up to 1"	Single	—	**245.00**
B	**H26-151**	STK-11	ST-11	Up to 6"	Up to 3"	Up to 2"	Double	—	**299.00**
C	**H26-533**	STK-99	ST-33	Up to 3-1/2"	Up to 1-3/4"	Up to 1"	Single	Y	**309.00**

TURBOTORCH



Self-Igniting MAP-Pro™ and Propane Torch Kit

- Piezo crystal ignitor built into tip assembly for self-lighting — no flint, no striker or batteries
- Tip uses swirl combustion for maximum brazing temperature
- Cuts brazing time by 30%
- Silver braze to 1-1/4" with MAP-Pro gas
- Fits a 10 lb. tank
- For use on larger non-disposable propane and MAP-Pro cylinders
- Includes R-LP propane/MAP-Pro regulator, 12' hose, PL-B4 handle, PL-4T tip

Order #	Mfg. #	Description	Each
H85-308	PL-4TDLX	Torch Kit	**959.00**
H25-560	R-LP	Regulator	**445.00**

Order #	Mfg. #	Description	Each
H25-561	PL-B4	Handle	**345.00**
H25-562	H-12	Hose	**175.00**

TURBOTORCH



Portable Torch Kit

- Complete starter kit for soldering and brazing
- Push trigger ignition
- Swirl combustion tip for faster brazing
- Flame tube swivels for work at any angle
- Includes self-lighting PL-3T tip, PL-4T tip, torch handle, STK-R regulator, 12' hose, PL-812 heat shield, Viper SX solder and tool bag

Order #	Mfg. #	Each
H85-586	PL-DLXPT	**819.00**

TURBOTORCH



Replacement Torch Tips

Order #	Mfg. #	Brazes w/ MAP-Pro	Brazes w/ Propane	Each
H25-557	PL-3T	Up to 1-1/2"	Up to 1"	**549.00**
H25-558	PL-4T	Up to 2-1/2"	Up to 1-1/2"	**549.00**
H25-559	PL-5T	Up to 4"	Up to 2-1/2"	**549.00**

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Gas Cylinders

TURBOTORCH

- Disposable cylinders for use with all hand torches



Order #	Mfg. #	Description	Each
H85-083	0916-0004	Propane Cylinder, 14.1 oz.	**24.49**
H85-542	0916-0122	MAP-Pro™ Cylinder, 14.1 oz.	**29.49**

Hazardous Material Shipping Alert

Plasma Cutting System Replacement Parts and Accessories

TURBOTORCH

Order #	Mfg. #	Description	Each
H27-017	9-6003	Shield Cup	**265.00**
H27-018	9-6006	Plasma Electrode	**65.00**

Order #	Mfg. #	Description	Each
H27-019	9-6007	Plasma Gas Distributor	**159.00**
H27-020	9-6099	Plasma Tip	**42.49**

Acetylene, Oxygen, Nitrogen and CO2 Tanks

- Local pickup only, call for current pricing
- Weights are for full tanks



Hazardous Material Shipping Alert

Order #	Description	Capacity	Height	Diam.	Wt. Lbs.
H93-016	MC Acetylene	10 Cu. Ft.	14"	4"	8.0
H93-017	B Acetylene	40 Cu. Ft.	23"	6.25"	26.0
H93-018	R Oxygen	20 Cu. Ft.	14"	5.25"	13.5
H93-090	RR Oxygen	40 Cu. Ft.	21.3"	7.0"	29.4

Order #	Description	Capacity	Height	Diam.	Wt. Lbs.
H93-091	R Nitrogen	20 Cu. Ft.	17.8"	5.3"	13.6
H93-045	RR Nitrogen	40 Cu. Ft.	19"	5.25"	35.0
H93-092	20 Lb CO2	176 Cu. Ft.	27.2"	8.0"	44.4

Portable Tote

VICTOR

- Ergonomic carrying handle
- Built-in storage compartments
- Patented balance design



Order #	Mfg. #	Each
H85-490	TOTE	**225.00**

Tank Tote

TURBOTORCH

- Durable composite construction fits “B” tank
- Storage for tips, hose, handle and striker



Order #	Mfg. #	Each
H25-036	TT-150	**305.00**

Tank Adapters

TURBOTORCH



A



B

Fig.	Order #	Mfg. #	Description	Each
A	**H27-380**	BTMCR	MC-B Adapter	**135.00**
B	**H27-381**	MCT	B-MC Adapter	**135.00**

TURBOTORCH



Air-Acetylene Hose

- For use with Turbo Torch's "A" inlet connection torch handles
- 12' length

Order #	Mfg. #	Each
H24-408	AH-12	**129.00**

UNIWELD

Metal Carrying Stands

- Steel finished in blue enamel
- Molded handle grips for stability



A



B



C



D

Fig.	Order #	Mfg. #	Description	Each
A	**H85-474**	502	1 "B" Tank Stand	**149.00**
B	**H85-475**	500S	1 "MC" & 1 "R" Tank Stand	**235.00**
C	**H85-476**	504	1 "MC" or "B" Tank & 1 "R" or "R40" Tank Stand	**399.00**
D	**H85-331**	516	1 "N40" Tank or 1 10 Lb. CO2 Tank Stand	**149.00**

UNIWELD

Portable Tote



- Lightweight molded plastic carrying case with front hose wrap-around
- Accepts one each "MC" acetylene and "R" oxygen tanks
- Front accessory compartment for tips and tools

Order #	Mfg. #	Each
H85-518	511	**215.00**

UNIWELD

Valve Wrench



- Box wrench for valve on B or MC tanks

Order #	Mfg. #	Each
H23-678	WO5	**12.99**

UNIWELD

Tank Adapters



A



B

Fig.	Order #	Mfg. #	Description	Each
A	**H24-419**	F31	Connects B Tank to MC Regulator	**65.00**
B	**H24-420**	F41	Connects MC Tank to B Regulator	**69.00**

UNIWELD

Fitted Hose Assembly



- For use with Uniweld's "A" inlet connection torch handles
- 12.5' length

Order #	Mfg. #	Description	Each
H26-411	H12	Single — Acetylene Hose	**105.00**
H26-412	H32A	Twin — Oxygen & Acetylene Hose	**135.00**

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Tip Cleaners

- 12 stainless steel
- Drill size range, 49–75



Order #	Mfg. #	Each
H24-810	TCSD	**19.99**

Flint Lighter Set

- Includes friction lighter, spiral tip cleaner set and 5-pack replacement flints



Order #	Mfg. #	Each
H26-621	FL3437TC	**33.99**

Flint Lighter

- A convenient tool for lighting torches



Order #	Mfg. #	Description	Each
H23-664	FL34D	Flint Lighter	**14.49**
H28-420	FL37	Replacement Flints (5-Pk.)	**11.99**

Spark-Key™

- Quick, easy and safe way to ignite torches
- 100,000 sure-fire sparks
- Water-resistant
- No batteries required



Order #	Mfg. #	Each
H27-647	580512	**40.99**

Scotch-Brite™ Pad

- Cleans copper pipe and fittings for soldering
- Cleans relay contacts
- Cleans battery connections at substations
- Cleans and polishes Buss bars
- Removes rust from metal cabinets
- Cleans cable jackets, insulation and conductors



Order #	Mfg. #	Each
G31-892	7447	**5.29**

Sandscreen Cloth

- For cleaning of metal surfaces before brazing, soldering and epoxy repairs
- 180 grit
- Water resistant



Order #	Mfg. #	Description	Each
R53-822	A52008	1-1/2" x 2yd Roll	**21.99**
R57-487	A52005	1-1/2" x 5yd Roll	**40.49**
R57-488	A52010	1-1/2" x 10yd Roll	**55.00**
R57-489	A52025	1-1/2" x 25yd Roll	**139.00**

Abrasive Cloth

- For refrigeration and plumbing
- Cleans and polishes metal surfaces
- Impervious to dampness
- 1-1/2" wide, 120 grit



Order #	Description	Each
R53-616	10 Yds.	**17.49**

Order #	Description	Each
R53-390	25 Yds.	**36.49**

Supco



HVAC Super Pro Kit

- Solderless copper and brass bonding
- Rated to 1200 psi and -65°F to +350°F after 2-hour curing time
- Compatible with all refrigerants and oils
- Use with standard copper or brass fittings
- Bonds copper, aluminum and brass in any combination
- One bottle makes 200 bonds
- Includes sanding cloth

Order #	Mfg. #	Each
R57-266	HS32098	**129.00**

LucasMilhaupt® Lasting Connections



Phosphorus/Copper/Silver Alloys

- For copper to copper or copper to brass
- Self-fluxing on copper to copper
- Use **R56-212** flux for copper to brass
- Sil-Fos 15 is for loose or large tolerance joints providing slow flow and vibration resistance
- Handy Flo 6 and Sil-Fos 5 have similar characteristics to 15% but the lower silver content reduces ductility
- Silvabraze is for copper to copper
- Fos-Flo is an economical and very fluid 0% Ag alloy for low to moderate vibration applications
- **R55-843** is 1/8" square rod

Order #	Mfg. #	Description	Ag %	Soldus °F (Melt)	Liquidus °F (Flow)	Sticks
R56-711	95000-1	Fos-Flo	0	1,310	1,460	1
R56-712	95000	Fos-Flo	0	1,310	1,460	28
R53-647	31418-1	Silvabraze	1 to 2	1,295	1,540	1
R53-646	31418	Silvabraze	1 to 2	1,295	1,540	28
R56-194	95060-1	Sil-Fos 5	5	1,190	1,495	1
R56-195	95060	Sil-Fos 5	5	1,190	1,495	28

Order #	Mfg. #	Description	Ag %	Soldus °F (Melt)	Liquidus °F (Flow)	Sticks
R56-196	95120-1	Handy Flo 6	6	1,190	1,460	1
R56-197	95120	Handy Flo 6	6	1,190	1,460	28
R56-198	95150-1	Sil-Fos 15	15	1,190	1,475	1
R56-662	95177	Sil-Fos 15	15	1,190	1,475	7
R56-199	95150	Sil-Fos 15	15	1,190	1,475	28
R55-843	1202092	Sil-Fos 15	15	1,190	1,475	11

LucasMilhaupt® Lasting Connections



Sil-Fos® Phosphorus/Copper/Silver Alloy Coils

- Coil design allows for continuous brazing without stubs
- Great for loose or large tolerance joints
- Use on copper to copper (self-fluxing) or copper to brass

Order #	Mfg. #	Description	Ag %	Soldus °F (Melt)	Liquidus °F (Flow)
R58-454	32299	5' Coil	5	1,190	1,495
R58-456	32302	22' Coil	5	1,190	1,495
R58-269	32181	5' Coil	15	1,190	1,475
R58-271	32183	22' Coil	15	1,190	1,475

HARRIS A LINCOLN ELECTRIC COMPANY



Phosphorus/Copper/Silver Alloys

- For copper to copper or copper to brass
- Self-fluxing on copper to copper
- 0% is for copper to copper when brazing temperature is not critical
- 2% is an economical, low silver alloy, designed to broaden the melting range of 0%
- 5% is for close tolerances
- 6% is a medium-range alloy is well suited where close fit-up cannot necessarily be maintained
- Dynaflow 6% has melt and flow properties of 15%
- 15% is for loose or large tolerance joints and an excellent filler metal for situations in which close fit-up does not exist, and where thermal expansion and service vibration are involved
- 1/8" x 5/100" x 20"
- **R55-842** is 1/8" x 1/8" x 20"

Order #	Mfg. #	Description	Ag %	Soldus °F (Melt)	Liquidus °F (Flow)	Sticks
R54-563	0620F1J-1	Harris 0	0	1,310	1,475	1
R58-272	0620FMPOP	Harris 0	0	1,310	1,475	7
R54-560	0620F1J	Harris 0	0	1,310	1,475	28
R56-780	2620F1-1	Stay-Silv 2	2	1,190	1,450	1
R56-781	2620F1	Stay-Silv 2	2	1,190	1,450	28
R56-034	5620F1-1	Stay-Silv 5	5	1,190	1,500	1
R56-033	5620F1	Stay-Silv 5	5	1,190	1,500	28
R53-674	D620F1J-1	Dynaflow 6	6	1,190	1,465	1

Order #	Mfg. #	Description	Ag %	Soldus °F (Melt)	Liquidus °F (Flow)	Sticks
R53-673	D620F1J	Dynaflow 6	6	1,190	1,465	28
R56-782	6620F1-1	Stay-Silv 6	6	1,190	1,425	1
R56-783	6620F1	Stay-Silv 6	6	1,190	1,425	28
R56-032	15620F1-1	Stay-Silv 15	15	1,190	1,480	1
R56-784	1520FMPOP	Stay-Silv 15	15	1,190	1,480	7
R55-842	15620S1	Stay-Silv 15	15	1,190	1,480	11
R56-031	15620F1	Stay-Silv 15	15	1,190	1,480	28

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Ring of Fire™ Phosphorus/Copper/Silver Alloys

- Stay-Silv® 15 in a convenient ring form to minimize waste
- Easy to use and gives a consistent braze every time
- Great alternative to brazing rod for any brazing project
- **R56-821** includes 1/4" (4), 3/8" (8), 1/2" (5), 5/8" (3), 3/4" (3), 7/8" (1) and 1-1/8 (1)



Order #	Mfg. #	Description	Ag %	Soldus °F (Melt)	Liquidus °F (Flow)
R56-814	RF15250	1/4" O.D.	15	1,190	1,480
R56-815	RF15375	3/8" O.D.	15	1,190	1,480
R56-816	RF15500	1/2" O.D.	15	1,190	1,480
R56-817	RF15625	5/8" O.D.	15	1,190	1,480

Order #	Mfg. #	Description	Ag %	Soldus °F (Melt)	Liquidus °F (Flow)
R56-818	RF15750	3/4" O.D.	15	1,190	1,480
R56-819	RF15875	7/8" O.D.	15	1,190	1,480
R56-820	RF151125	1-1/8" O.D.	15	1,190	1,480
R56-821	RF15VAR	Assorted	15	1,190	1,480

Silvaloy High-Silver Alloys

- Available in 25%, 45% and 56% silver content
- Maximizes flow characteristics while minimizing the brazing temperatures
- Melting range: 25%: 1,270°F, 45%: 1,225°F to 1,370°F, 56%: 1,145°F to 1,205°F



Order #	Mfg. #	Troy Oz.	Silver Content
R53-639	57308	1	25%
R56-200	98000	1	45%
R56-202	98002	5	45%

Order #	Mfg. #	Troy Oz.	Silver Content
R56-203	98060	1	56%
R56-205	98062	5	56%

Safety-Silv® High-Silver Alloys

- Available in 45% and 56% silver content
- Maximizes flow characteristics while minimizing the brazing temperatures
- Melting range: 45%: 1,225°F to 1,370°F, 56%: 1,145°F to 1,205°F
- **R56-789** is flux cored



Order #	Mfg. #	Sticks	Troy Oz.	Silver Content
R56-785	4531	Coiled	1	45%
R56-786	4533	Coiled	3	45%
R56-787	4535	Coiled	5	45%
R56-788	45F3184	9	—	45%
R56-789	45TCW25004	4	—	45%

Order #	Mfg. #	Sticks	Troy Oz.	Silver Content
R56-790	5631	Coiled	1	56%
R56-791	5633	Coiled	3	56%
R56-792	5635	Coiled	5	56%
R56-793	56F3184	9	—	56%

Fluxed Coated and Cored High-Silver Brazing Alloys

- For use on stainless steel applications and joining both ferrous and non-ferrous materials
- Applies the right amount of flux every time
- **R56-213**, **R56-890** and **R56-891** have 1/16" diameter wire coated with Handy Flux
- **R56-214** has flux on inside preventing cracking or peeling; Bends for working around joints; No sodium glare is easier on the eyes



Order #	Mfg. #	Description	Silver Content
R56-890	98100	Silvaloy 452 Flux Coated Alloy	45%
R56-213	98110	Silvaloy 505 Flux Coated Alloy	50%

Order #	Mfg. #	Description	Silver Content
R56-891	98120	Silvaloy 560 Flux Coated Alloy	56%
R56-214	99076	Handy One® 505 Flux-Cored Alloy	50%

Handy One® Flux Cored Aluminum Brazing Alloy

- For aluminum to aluminum or aluminum to copper joints
- Easy flow for patching aluminum coils
- Non-corrosive flux doesn't need to be removed after brazing
- 78% zinc, 22% aluminum; 800°F melt, 900°F flow
- Contains 4 20" x .090" diameter sticks



Order #	Mfg. #
R56-215	99088

HARRIS
A LINCOLN ELECTRIC COMPANY



Al-Braze Aluminum Brazing Kit

- Superior brazing alloy for the joining of aluminum to aluminum
- Wider melting range than standard braze products fills gaps easier
- Often used to repair cracks and splits
- Tensile strength 35,000 PSI; solidus 1,070°F, liquidus 1,080°F (**R53-604**); solidus 1,065°F, liquidus 1,170°F (**R56-798**)
- Includes 0.75 oz. 1/16" aluminum brazing wire and 1/3 oz. flux plus instructions (**R53-604**)

Order #	Mfg. #
R53-604	1070K

HARRIS
A LINCOLN ELECTRIC COMPANY



Aluminum Solder Kit

- For low-temperature applications
- Forms corrosion-resistant joints on all solderable aluminum alloys and dissimilar metals, both ferrous and non-ferrous
- Also beneficial as high-temperature solder
- Tensile strength 20,000 PSI; solidus 391°F; liquidus 482°F
- Contains: 1 oz. 1/16" solder and 1 oz. aluminum solder flux

Order #	Mfg. #
R53-729	10022

LucasMilhaupt
Lasting Connections



Wire Solder

- 1/8" O.D.
- 1 lb. spool
- **G21-528** is lead free

Note: Lead bearing solder not to be used for potable water.

Order #	Mfg. #	% Lead	% Tin	Core
R56-211	53137	50	50	Solid
G21-528	57263	0 (5% Antimony)	95	Solid

LucasMilhaupt
Lasting Connections



Silvabrite 100 Lead-Free Solder

- Lead, antimony and zinc-free for potable water systems
- Superior strength makes it stronger than 50%/50% and 95%/5%
- Use with any general purpose solder flux
- Recommended temperature of 440°F to 500°F
- 1 lb. spool

Order #	Mfg. #	% Lead
R53-831	56761	0

LucasMilhaupt
Lasting Connections



Silvabrite Silver Bearing Solder

- Lead-free solder in 1 lb. spool
- Low melting point of 430°F
- Can be used on most ferrous and non-ferrous metals
- Use with **R56-713**, **R58-251** and **R54-013** flux
- **R53-405** is designed for field repairs and tight fitting joints
- **R53-406** has plastic range of 430°F to 535°F, great for loose-fitting couplings
- **R59-038** is designed for applications where slightly more sluggish flow is required

Order #	Mfg. #	Ag %
R53-405	56619	4%
R53-406	53113	5%
R59-038	96010	6%

HARRIS
A LINCOLN ELECTRIC COMPANY



Plumbing Solders

- 1/8" X 1 lb. spool
- **R56-795** lead-free solder used in plumbing applications; excellent for large diameter fittings and ill-fitted or non-concentric pipes; fills gaps and caps off easily and effectively
- **R56-797** is a common lead-bearing solder used to join copper and most copper alloys, lead, nickel alloys and steel; not for joints subject to high stress or vibration in the cooling applications; not for use in potable water systems

Order #	Mfg. #	Description	Soldus °F (Melt)	Liquidus °F (Flow)
R56-795	BRGT61	100% Lead Free	460	630
R56-797	505061	50/50% Leaded Solder	360	420

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Stay-Brite Lead-Free Solder

- Silver-bearing solder often used instead of brazing alloys
- Effective in filling loosely fitted couplings
- Bonds with all ferrous and non-ferrous alloys
- Produces very strong, vibration resistant joints
- 1/8" x 1 lb. spool



Order #	Mfg. #	Ag %
R56-794	SB61	4

Order #	Mfg. #	Ag %
R54-564	SB861	6

Ultra Flux Silver Brazing Flux

- For high-temperature brazing (effective to 1,600°F)
- Use with phos/copper alloys when brazing copper-to-brass
- Use with high-silver alloys for copper-to-brass, copper-to-steel, and steel-to-brass
- 7 oz. brush top container



Order #	Mfg. #	Each
R53-410	75014	**18.49**

TEC® Liquid Soldering Flux

- Used where aggressive fluxing is required for difficult solder materials such as steel and stainless steel
- Temperature protection from 400°F to 800°F



Order #	Mfg. #	Each
R56-713	97000	**16.99**

Handy Flux

- For high temperature brazing up to 1,600°F
- Use with phos/copper alloys when brazing copper-to-brass
- Use with high silver alloys for copper-to-brass, copper-to-steel and steel-to-brass
- 7 oz. brush top container



Order #	Mfg. #	Each
R56-212	97030	**18.49**

Silvabrite Paste Soldering Flux

- General purpose solder flux protects to 550°F
- 4 oz. jar with brush cap



Order #	Mfg. #	Each
R56-206	75108	**17.99**

Stay-Clean Aluminum Solder Flux

- Unsurpassed for low-temperature soldering on aluminum and aluminum to dissimilar metals
- 4 oz.



Order #	Mfg. #	Each
R53-403	SCAF4	**38.99**

Hazardous Material Shipping Alert

HARRIS
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Stay-Clean Flux

- Used for soldering all metals, except aluminum, magnesium or titanium
- Not recommended for electrical or electronic applications
- Paste flux used for copper to copper and copper to brass connections
- Works with most leaded and lead-free solder compositions
- Liquid flux is a general purpose zinc chloride flux for soldering with all soft solders use with tin-lead solder, tin-antimony solder and Stay-Brite solder

Order #	Mfg. #	Description	Each
R56-800	SCPF4	Stay-Clean Paste Flux 4 oz	**12.99**
R56-801	SCLF4	Stay-Clean Liquid Flux 4 oz	**15.99**
R56-802	SCLF16	Stay-Clean Liquid Flux 16 oz	**27.49**

HARRIS
A LINCOLN ELECTRIC COMPANY



Stay-Silv® Flux

- All purpose flux used in silver brazing
- **R56-803** white flux low-temperature flux; Use with most ferrous and non ferrous metals, not recommended on aluminum, magnesium, and titanium
- **R56-804** black flux high-temperature flux for use in silver brazing; Use with stainless steel, carbide, heavy parts, prolonged heating cycles

Order #	Mfg. #	Description	Each
R56-803	SSWF7	White Flux	**14.49**
R56-804	SSBF1/2	High Temperature Black Flux	**24.49**

HIGHSIDE CHEMICALS INC.



Solderlene Low Temperature Paste Flux

- Petroleum based, non-acid
- Special wetting agents promote solder flow
- Use with all low temperature solders and on all metals except aluminum and magnesium
- 4 oz. size

Order #	Mfg. #	Each
R54-013	HS30004	**23.49**

Nu-Calgon



Thermo-Trap®

- Protects sensitive material from heat generated by soldering, welding, or brazing
- Harmless to skin and clothing

Order #	Mfg. #	Description	Each
R53-391	4371-36	11 oz. Paste	**37.49**
R87-792	4371-32	1 Qt. Gel	**59.00**
B87-349	4371-38	Thermo-Trap Putty 12 Oz. Tub	**55.00**

RECTORSEAL
A CSW Industrials Company



Cool Braze™ Reusable Heat Absorption Putty

- Blocks direct and conductive heat transfer on any surface
- Protects heat sensitive parts
- Stops heat transfer up to 3000°F
- Add water to re-energize
- Stops discoloration, warpage and distortion
- Can be used as a jigging tool
- Non-toxic, non-flammable, odor free and biodegradable

Order #	Mfg. #	Each
R58-743	83562	**95.00**

REFRIGERATION TECHNOLOGIES



Viper Wet Rag Reusable Heat Blocking Putty

- Reusable like a wet rag
- Protects surfaces, valves and other sensitive parts from heat damage
- Blocks direct and conductive heat transfer
- No mess formula
- Use with MAP/Pro, Oxy/Acetylene, Mig, Tig, Arc and propane torches
- Non-Toxic

Order #	Mfg. #	Size	Each
R58-421	RT400P	12 oz.	**75.00**

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Cool Gel™ Heat Dissipating Spray

- Provides maximum protection during soldering, brazing and welding
- Protects seats and seals in valves (including thermostatic expansion valves), surface finishes, paints and other heat-sensitive components
- Also protects surrounding surfaces like studs, walls and insulation
- Unique gel formula will not drip or run
- No-drip formula is non-corrosive, non-toxic and harmless to skin
- 32 oz.



Order #	Mfg. #	Each
R87-565	11509	65.00

Torch Shield

- 8" x 12" flame barrier for brazing, soldering or welding
- Withstands direct flame without burning at temperatures in excess of 3,000°F
- Contains no asbestos or ceramic



Order #	Mfg. #	Each
H27-150	PL-812	115.00

Blaze Barrier Cloth

- Withstands temperatures to 3,000°F
- Grommets at each corner
- Keyhole cutout to facilitate draping over pipes and tubes
- 18" x 18"



Order #	Mfg. #	Each
H24-839	16510	185.00

Truck Rope

- High strength polypropylene
- 3/8" x 50'



Order #	Mfg. #	Each
H26-691	25001	65.00

Tie Downs

- Use to quickly secure loads
- Choose from various lengths



Order #	Mfg. #	Description	Each
X72-086	HS-144	12' Lash Tie Down	109.00
X72-087	HS-192	16' Ratcheting Tie Down	129.00

Rubber Stretch Straps

Order #	Mfg. #	Description	Each
X89-405	RS-9	9" Stretch Strap	9.29
X89-406	RS-15	15" Stretch Strap	13.49
X89-407	RS-20	20" Stretch Strap	14.99
X89-408	RS-31	31" Stretch Strap	16.99
X89-409	RS-41	41" Stretch Strap	16.49



Hanging Straps

- 1" polypropylene webbing with spring loaded adjustable buckle
- Choose from various lengths



Order #	Mfg. #	Description	Each
X72-015	HS-30-2	31" Hanging Straps (2-Pk.)	30.49
X72-089	HS-60	60" Hanging Strap	22.49
X72-026	HS-60-2	60" Hanging Straps (2-Pk.)	38.49

Strap-It™ Heavy Duty Tie-Down Straps

- 1" wide web construction with rust-resistant cam-lock buckles
- Easy tightening and release
- Color indicates length for quick selection
- Not rated for single strap use on loads over 100 lbs.



Order #	Mfg. #	Description	Each
X72-228	WS02	2' Tie Down Strap (Red)	12.99
X72-229	WS04	4' Tie Down Strap (Yellow)	14.99
X72-230	WS06	6' Tie Down Strap (Green)	17.49
X72-231	WS08	8' Tie Down Strap (Purple)	19.49
X72-232	WS10	10' Tie Down Strap (Blue)	21.99
X72-233	WS12	12' Tie Down Strap (Black)	24.49

KLEIN TOOLS



Tradesman Pro™ Magnetic Wristband

- Strong rare earth magnets keep small parts close at hand
- Wrap around your wrist, belt, or tool bag
- Breathable mesh interior for comfort
- Secure adjustable hook and loop closure
- Made of durable 1680d ballistic material

Order #	Mfg. #	Each
H28-577	55895	**55.00**

CLC WORK GEAR



Tech Gear™ LED Lighted Business Portfolio

- LED light with flexible neck can easily be positioned
- Built-in calculator, external tape measure clip and full zipper
- Includes large pocket to hold documents and loose notes, clear window pocket, several small pockets to hold business or credit cards, 2 pencil/marker pockets, pencil/marker loop and 8-1/2" x 11" notepad
- Durable Ballistic polyester cover with a textured spine for grip
- 2 #2016 button cell batteries included

Order #	Mfg. #	Dimensions	Each
H27-772	L217	13" L x 9-3/4" W x 1-1/2" H	**79.00**

CLC WORK GEAR



18-Pocket Drawstring BucketBag™

- 6 large compartments for organizing and stowing small parts
- 6 pockets outside and 6 inside for a variety of tools and accessories
- Easy lock and release drawstring system
- Soft bottom panel prevents tipping and spilling
- Tools pictured not included

Order #	Mfg. #	Dimensions	Each
H86-077	1148	10" L x 10" W x 7" H	**55.00**

CLC WORK GEAR

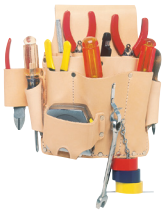


4-Pocket Tool and Cell Phone Holder

- Attach to belt with snap closure or carry in pocket with wide padded flap
- Durable polyester construction
- Fits most compact cell phones
- Webbing slot for small flashlights or other tools
- Tools pictured not included

Order #	Mfg. #	Each
H26-874	1501	**36.49**

CLC WORK GEAR



8-Pocket Leather Tool Pouch

- 7" x 6" deep main pocket
- 3 screwdriver slots
- 3 flared front pockets
- Electrical probe holder
- 16'–30' tape holder
- Hammer holder
- Tape chain and tool snap
- Tools pictured not included

Order #	Mfg. #	Description	Each
H23-887	W500	5"L x 10"W x 11.5" H Tool Pouch	**69.00**

CLC WORK GEAR



21-Pocket Tool Pouch

- Rugged shoulder bag made of double-layer, lightweight 600D polyester
- Zippered top flap prevents spillage of tools
- Ergonomic rubber handle and padded shoulder strap
- Zippered back pocket for 8" x 5" writing pad
- Tools pictured not included

Order #	Mfg. #	Description	Each
H26-604	1509	12" L x 4" W x 14-1/2" H Tool Pouch	**119.00**

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44-Pocket Tool Backpack

- 36 inside and 8 outside pockets to organize a wide variety of tools and accessories
- Large pads on back for extra comfort
- Adjustable padded shoulder straps
- Reinforced padded carrying handles
- Tools pictured not included



Order #	Mfg. #	Dimensions	Each
H85-636	1134	16" L x 13-1/4" W x 6" H	**265.00**

38-Pocket Tool Works™ Molded Base Tool Backpack

- Molded base provides a flat surface to stand the backpack upright
- Main back zippered compartment has padded pockets for laptop, tablet and charging accessories
- 38 pockets with 9 outside and 29 inside
- Main front zippered compartment folds all the way down for easy access
- 3 large foam back pads for extra comfort
- Adjustable padded shoulder straps with slip-resistant material
- Tools pictured not included



Order #	Mfg. #	Dimensions	Each
H86-190	PB1133	15-1/2" L x 8" W x 19-1/2" H	**279.00**

53-Pocket Tech Gear™ LED Lighted Tool Backpack

- Built-in LED light illuminates work or into backpack interior
- 3 levels of light output
- Dual compartment design with 28 tool pockets, 14 accessory pockets and 11 multi-use pockets
- Large pads on back for extra comfort
- Adjustable padded shoulder straps
- Base pad feet reduce wear and abrasion
- 2 AAA batteries included
- Tools pictured not included



Order #	Mfg. #	Dimensions	Each
H85-814	L255	16" L x 13" W x 8" H	**305.00**

75-Pocket Tool Backpack

- Made of durable polyester fabric
- 7" x 5" multi-compartment plastic tray included
- Tools pictured not included



Order #	Mfg. #	Dimensions	Each
H85-302	1132	17-1/2" L x 13" W x 9" H	**395.00**

36-Pocket E-Charge LED Lighted Charging Backpack

- 31 multi-use pockets inside, 5 pockets outside, 4 loops and measuring tape clip
- Integrated and removable 15000mAh power bank with 2 USB ports for internal charging
- Integrated 2-level, 200 lumen LED light system with adjustable steel neck for lighting bag contents or work area
- Padded web carrying handles and adjustable shoulder strap
- Tools pictured not included



Order #	Mfg. #	Dimensions	Each
H86-029	ECPL38	15" L x 10.5" W x 18.25" H	**469.00**

25-Pocket Tool Carrier

- Box-shaped design prevents tipping over
- 7" x 5-1/2" Multi-compartment plastic tray included to organize small parts
- Pockets for drill bits and tips, testers, pliers and screwdrivers
- Extra padded carrying handle and adjustable shoulder strap
- Tools pictured not included



Order #	Mfg. #	Dimensions	Each
H85-563	1526	8" L x 8" W x 16" H	**155.00**

22-Pocket Large Tool Carrier



- 14 multi-use pockets outside and 8 inside
- Box-shaped design prevents tipping
- 8.75" x 6.5" multi-compartment plastic tray included
- Adjustable, padded shoulder strap
- Tools pictured not included

Order #	Mfg. #	Dimensions	Each
H85-564	1528	11" L x 10" W x 19" H	**169.00**

20-Pocket Tool Works™ Molded Base Tool Carrier



- Molded base for longer wear, keeps your tools dry and safe
- Divided main compartment for power tools and accessories
- Multiple pockets to organize testers, pliers and screwdrivers
- 20 pockets with 12 outside and 8 inside
- Adjustable padded shoulder strap
- Large, clear zippered pocket for easy view of contents
- Tools pictured not included

Order #	Mfg. #	Dimensions	Each
H86-191	PB1531	14-1/2" L x 12-1/2" W x 20" H	**209.00**

21-Pocket Open-Top Soft-Sided Tool Carrier



- 21 multi-use pockets and 6 sleeves
- Wide open main compartment
- Zippered pocket to secure valuables
- Sturdy metal handle bar with foam grip
- Padded adjustable shoulder strap
- Tools pictured not included

Order #	Mfg. #	Dimensions	Each
H85-510	1578	14" L x 11" W x 11" H	**165.00**

43-Pocket Tool Carrier



- Window pocket for easy view of pocket
- Box-shaped design prevents tipping
- 8.75" x 6" multi-compartment plastic tray
- Tools pictured not included

Order #	Mfg. #	Dimensions	Each
H85-424	1530	23" L x 9" W x 15" H	**179.00**

22-Pocket Tech Gear™ LED Lighted Handle Tool Carrier



- LED light handle illuminates work or into carrier
- 3 levels of light output
- Ergonomic handle design
- Padded adjustable shoulder strap
- Base pad feet reduce wear and abrasion
- 2 AAA batteries included
- Tools pictured not included

Order #	Mfg. #	Dimensions	Each
H85-744	L234	16" L x 9.75" W 16.65" H	**185.00**

50-Pocket Tool Carrier



- 43 pockets inside and 7 pockets outside
- Larger center compartment for power tools and two outside compartments for hand tools
- 18”L x 7”W x 14”H
- Tools pictured not included

Order #	Mfg. #	Dimensions	Each
H85-509	1539	18" L x 7" W x 14" H	**225.00**

Two Bag Combo



- Designed for HVACR contractors
- One bag measures 4-1/2" W x 5-1/2" H x 12" L
- The other bag measures 5-1/2" W x 6" H x 14" L
- Tools pictured not included

Order #	Mfg. #	Each
H26-218	1107	**43.49**

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8-Pocket Standard Tool Bag

- 8 multi-use pockets to organize tools and accessories
- 14" L x 5-1/2" W x 6" H
- Tools pictured not included



Order #	Mfg. #	Dimensions	Each
H25-524	1116	14" L x 5-1/2" W x 6" H	**59.00**

25-Pocket MegaMouth™ Tool Bag

- 12 multi-use pockets inside and 13 outside
- Opens wide for easy access
- Adjustable, padded shoulder strap
- Padded reinforced web carrying handles
- Tools pictured not included



Order #	Mfg. #	Dimensions	Each
H85-565	1163	18" L x 11" W x 12" H	**149.00**

17-Pocket Tech Gear™ Lighted Handle Roller Tool Bag

- LED light handle illuminates work or into bag
- 3 levels of light output
- Sturdy telescoping handle extends for fast transport of heavy loads
- 11 multi-use pockets outside and 6 inside
- Heavy-duty wheels for easy bag movement over rough terrain
- Padded carrying handles
- 2 AAA batteries included
- Tools pictured not included



Order #	Mfg. #	Dimensions	Each
H85-896	L258	17" L x 9.5" W x 12.5" H	**345.00**



PACKOUT™ Modular Storage System

NEW

- Versatile and durable modular storage system
- Unique stacking design for combining various PACKOUT modules
- Constructed with impact resistant polymers
- IP65 rated weather seal



Order #	Mfg. #	Description	Each
H86-106	48-22-8431	PACKOUT Low-Profile Organizer	**105.00**
H86-107	48-22-8436	PACKOUT Low-Profile Compact Organizer	**69.00**
H29-114 ◀	48-22-8432	PACKOUT Deep Organizer	**149.00**
H86-080	48-22-8435	PACKOUT 5-Compartment Organizer	**79.00**
H86-081	48-22-8430	PACKOUT 11-Compartment Organizer	**115.00**
H86-082	48-22-8424	PACKOUT Tool Box	**179.00**
H86-083	48-22-8425	PACKOUT Large Tool Box	**205.00**
H86-084	48-22-8426	PACKOUT Rolling Tool Box	**315.00**
H29-110 ◀	48-22-8442	PACKOUT 2-Drawer Tool Box	**349.00**
H29-111 ◀	48-22-8443	PACKOUT 3-Drawer Tool Box	**405.00**
H29-112 ◀	48-22-8447	PACKOUT 3-Drawer Multi-Depth Tool Box	**405.00**
H29-113 ◀	48-22-8444	PACKOUT 4-Drawer Tool Box	**449.00**
H86-109	48-22-8450	PACKOUT Tool Case with Foam Insert	**175.00**
H86-110	48-22-8451	PACKOUT Foam Insert	**59.00**
H86-108	48-22-8440	PACKOUT Crate	**115.00**
H86-111	48-22-8485	PACKOUT Mounting Plate	**69.00**
H86-112	48-22-8410	PACKOUT Dolly	**219.00**
H29-076 ◀	48-22-8311	PACKOUT 10” Structured Tote	**465.00**
H86-114	48-22-8315	PACKOUT 15” Tote	**229.00**
H86-115	48-22-8320	PACKOUT 20” Tote	**279.00**
H86-116	48-22-8321	PACKOUT 15” Tool Bag	**145.00**
H29-077 ◀	48-22-8316	PACKOUT 15” Structured Tool Bag	**565.00**
H86-117	48-22-8322	PACKOUT 20” Tool Bag	**179.00**
H86-119	48-22-8301	PACKOUT Backpack	**275.00**
H86-120	48-22-8302	PACKOUT Cooler	**169.00**
H86-121	2950-20	PACKOUT Radio	**729.00**
H29-115 ◀	48-32-4082	SHOCKWAVE Impact Duty™ Driver Bit PACKOUT Set - 100 Piece	**219.00**
H86-296 ◀	2356-20	PACKOUT M12™ Lithium-Ion Flood Light	**289.00**

Tote Trays

- Portable storage and organization solutions for fittings and supplies
- Chemical, acid, and oil resistant
- High-density polyethylene material
- Holds up to 60 lbs



Order #	Mfg. #	Description	Each
H86-266	T1000	15" x 9" x 3" Tote Tray	**33.99**
H86-267	T1025	16 3/4" x 11 3/4" x 4 1/2" Tote Tray	**42.99**
H86-268	T1050	15" x 9" x 5" Tote Tray	**40.49**
H86-269	T1050-BLU	15" x 9" x 5" Blue Tote Tray	**42.49**
H86-270	T1065	22" x 14" x 8" Saddle Tote Tray	**95.00**

Dirt Rider Tray and Totes

- Portable storage and organization solutions for tools and supplies
- Dirt Rider tray to move tools and supplies in crawl spaces and rough terrain
- Chemical, acid, and oil resistant
- High-density polyethylene material
- Holds up to 60 lbs



Order #	Mfg. #	Description	Each
H86-274	T1075-DRTT	Dirt Rider Tray and Tote Combo	**139.00**
H86-271	T1075	24" Dirt Rider Tote	**79.00**
H86-272	T1075-BLU	24" Blue Dirt Rider Tote	**85.00**
H86-273	T1075-DR	Dirt Rider Tray	**65.00**

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Thunder XC™ Gloves

- XtraCoverage™ palm is reinforced for added abrasion resistance and better grip
- Insulated liner helps keep hands dry and warm
- Full neoprene cuff with medical grade hook and loop closure and textured pull-on tab
- Padded fingers for protection against bumps
- Stretch spandex back for flexibility and greater fit
- StretchFit™ thumb for a better fit and greater flexibility
- Terry-wipe thumb helps gently remove sweat or debris from face



Order #	Mfg. #	Size	Each
W69-313	173L	Large	**79.00**
W69-314	173X	Extra Large	**79.00**

Tradesman™ Gloves

- Stretch spandex back for flexibility and fit
- Heavy-duty TPR knuckle for protection against bumps
- Neoprene padded knuckles protect against bumps and scraps
- Reinforced fingertips for enhanced wear and durability
- Synthetic leather palm material for increased abrasion and tear resistance
- Reinforced padded palm for enhanced wear and durability
- Full neoprene cuff with textured TPR wrist strap with medical grade hook and loop closure, and textured pull-on tab
- Terry-wipe thumb helps gently remove sweat or debris from face



Order #	Mfg. #	Size	Each
W69-702	145S	Small	**65.00**
W69-300	145M	Medium	**65.00**
W69-301	145L	Large	**65.00**
W69-302	145X	Extra Large	**65.00**

Contractor XC™ Gloves

- XtraCoverage™ palm is reinforced for added abrasion resistance and better grip
- Padded fingers and knuckles for protection against bumps
- Terry-wipe thumb helps gently remove sweat or debris from face
- Full neoprene cuff with medical grade hook and loop closure and textured pull-on tab
- Stretch-Fit™ thumb and spandex back for flexibility and fit
- Textured TPR wrist closure with secure hook and loop closure



Order #	Mfg. #	Size	Each
W69-297	160M	Medium	**59.00**
W69-298	160L	Large	**59.00**
W69-299	160X	Extra Large	**59.00**

Subcontractor™ Gloves

- Ring-Cut™ feature easily converts to "fingerless" glove of your choice
- Synthetic leather palm material for increased abrasion and tear resistance
- Padded palm for enhanced wear and durability
- Padded knuckles provide protection against bumps
- Reinforced fingertips for enhanced wear and durability
- Stretch spandex back for flexibility and fit
- Full neoprene cuff with textured TPR wrist strap with medical grade hook and loop closure, and textured pull-on tab
- Terry-wipe thumb helps gently remove sweat or debris from face



Order #	Mfg. #	Size	Each
W69-494	130M	Medium	**42.49**
W69-495	130L	Large	**42.49**
W69-496	130X	Extra Large	**42.49**

Handyman™ Gloves

- Padded synthetic leather palm material is soft and comfortable to wear
- Elastic cuff design with textured pull-on tab for easy-on, easy-off
- Textured fingertip pads provide added abrasion resistance
- Padded knuckles for protection against bumps
- Stretch spandex back for flexibility and fit
- 3 Touch screen fingertips for ruse with mobile devices



Order #	Mfg. #	Size	Each
W69-309	125M	Medium	**34.49**
W69-310	125L	Large	**34.49**
W69-311	125X	Extra Large	**34.49**

Pigskin Leather Gloves



- Genuine top grain pigskin leather
- Keystone thumb
- Double elastic back

Order #	Mfg. #	Size	Each
W69-276	2069L	Large	**37.49**

Leather Gloves



- Genuine top grain cowhide leather
- Keystone thumb
- Shirred elastic back

Order #	Mfg. #	Size	Each
W69-294	2065L	Large	**34.49**

Cut Resistant Polyurethane Dip Gloves



- High-density knit fiber provides high dexterity with cut level 5 protection
- Polyurethane coating on palm provides excellent abrasion and puncture resistance

Order #	Mfg. #	Size	Each
W69-619	2105M	Medium	**43.99**
W69-620	2105L	Large	**43.99**
W69-621	2105X	Extra Large	**43.99**

Cut and Impact Resistant Nitrile Dip Gloves



- High-density knit fiber provides high dexterity with cut level 5 protection
- Complete impact protection from top of hand to the tip of fingers
- Nitrile dipped palm for oil and chemical resistance with superb grip on wet or dry surfaces

Order #	Mfg. #	Size	Each
W69-622	2115M	Medium	**65.00**
W69-623	2115L	Large	**65.00**
W69-624	2115X	Extra Large	**65.00**

Nitrile Dip Knit Gloves



- Nylon knit shell
- 100% nitrile dipped palm
- Elasticized wrist

Order #	Mfg. #	Size	Each
W69-462	2033M	Medium	**16.99**
W69-463	2033L	Large	**16.99**
W69-464	2033X	Extra Large	**16.99**

Contact Heat Resistant Gloves



- Provides thermal protection from heat contact up to 212°F
- Acrylic/polyester shell with textured nitrile coating
- Elasticized wrist

Order #	Mfg. #	Size	Each
W69-746	2106M	Medium	**24.99**
W69-747	2106L	Large	**24.99**

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T-Touch™ Technical Safety Gloves

- 3 Touch screen finger tips for use with mobile devices
- Nitrile and Polyurethane palm for a more sensitive grip
- Knit shell design to maximize air circulation
- Elasticized writs
- Best used for handling small parts such as metals, glass, tubes and precision tools
- Its application is ideal for, but not limited to machining, automotive, engineering, painting and horticulture
- CE tested



Order #	Mfg. #	Size	Each
W69-559	2038M	Medium	**23.49**
W69-560	2038L	Large	**23.49**
W69-561	2038X	Extra Large	**23.49**

Rubberized Knit Gloves

- Cotton/polyester shell dipped in latex
- Elastic wrist for better fit
- Ideal for wet projects



Order #	Mfg. #	Size	Each
W69-546	2030M	Medium	**9.89**
W69-703	2030L	Large	**9.89**
W69-547	2030X	Extra Large	**9.89**

Black Jersey Gloves

- Soft cotton jersey gloves, 9 oz.
- Knit wrist
- One size fits most



Order #	Mfg. #	Each
W69-398	2011	**5.79**

Cotton Canvas Work Gloves

- General purpose utility glove
- Knit wrist
- One size fits most



Order #	Mfg. #	Each
W69-097	2004	**6.19**

Latex Disposable Gloves

- Ambidextrous
- Powder coated inside to absorb perspiration
- 5 mil thick
- 100-pack



Order #	Mfg. #	Size	Each
W69-295	2316L	Large	**43.99**

Nitrile Disposable Gloves

- 4 mil thick
- More chemical-resistant than latex gloves
- Excellent resistance to most vegetable and petroleum-based oils, latex solvents, low concentration acids, gasoline, kerosene, refrigerant and numerous other chemicals
- 100-pack



Order #	Mfg. #	Size	Each
W69-536	2320M	Medium	**43.49**
W69-422	2320L	Large	**43.49**
W69-537	2320X	Extra Large	**43.49**

Black Nitrile Disposable Non-Powdered Gloves

- 6 mil thick
- Rolled cuff
- Textured finish
- 100-pack



Order #	Mfg. #	Size	Each
W69-512	2337M	Medium	**69.00**
W69-513	2337L	Large	**69.00**
W69-514	2337X	Extra Large	**69.00**

Yellow Lightweight Poncho



- Lightweight 0.10mm PVC body material
- Attached hood
- Welded seam construction
- Large size, 50"x 80"
- One size fits most

Order #	Mfg. #	Each
W69-508	R10410	18.49

3-Piece Nylon Rain Suit



- Black jacket, elastic pants and detachable hood
- Full cut sizes to fit over clothing
- Storm front jacket with zippered closure
- High visibility reflective stripe on arms and legs
- Lightweight and durable nylon with PVC backing

Order #	Mfg. #	Size	Each
W69-456	R103M	Medium	105.00
W69-457	R103L	Large	105.00
W69-458	R103X	Extra Large	105.00

Order #	Mfg. #	Size	Each
W69-471	R1032X	2X Large	105.00
W69-506	R1033X	3X Large	105.00

3-Piece PVC Rain Suit



- Jacket, bib pants and detachable hood
- Full cut sizes to fit over clothing
- Heavyweight PVC with polyester backing

Order #	Mfg. #	Size	Each
W69-453	R101M	Medium	47.49
W69-454	R101L	Large	47.49
W69-455	R101X	Extra Large	47.49

Order #	Mfg. #	Size	Each
W69-470	R1012X	2X Large	47.49
W69-507	R1013X	3X Large	47.49

High-Visibility Safety Vests



- Zipper closure in front for secure fit
- Breathable mesh fabric on back
- 2" retro-reflective stripes enhance visibility
- Exterior tab to attach radio clip or other items
- Interior and exterior pockets
- Meets ANSI/ISEA 107-2015, Type R, Class 2

Order #	Mfg. #	Description	Each
W69-725	60269	Safety Vest (Medium/Large)	34.49
W69-726	60268	Safety Vest (Extra Large)	34.49

Disposable Coveralls



- Contractor grade protection for the jobsite
- Protects against liquids, sprays, powders, fiberglass and dust
- Breathable 3-layer material for comfort
- Zip front, includes elastic wrists, ankles and waist

Order #	Mfg. #	Size	Each
W69-543	68527	Large	18.49
W69-544	68528	Extra Large	18.49
W69-545	68524	2X Large	18.49

Disposable Full Body Coveralls



- Professional grade full body protection with lead abatement protection
- Compliant with OSHA regulations for working environments that contain lead
- Breathable 3-layer material for comfort
- Includes elastic hood and wrists, attached booties, heavy-duty zipper with flap and front/back pockets

Order #	Mfg. #	Size	Each
W69-540	68441	Large	21.99
W69-541	68442	Extra Large	21.99
W69-542	68443	2X Large	21.99

Disposable Polypro Coveralls



- Economy-grade protection for the jobsite
- Protects against liquids, sprays, powders and dust
- Zip front, includes collar, elastic wrists, ankles, waist and hood

Order #	Mfg. #	Size	Each
W69-738	68510	Large	16.99
W69-739	68509	Extra Large	16.99
W69-740	68508	2X Large	16.99
W69-741	68507	3X Large	16.99

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Quick-Response Spill Kit

- 5 gallon containment of oil or chemical spills
- Includes 15 medium bonded pads, 3-4' socks, 1 disposal bag, nitrile gloves and instructions



Order #	Mfg. #	Each
W89-919	92000	**85.00**

Bucket Spill Kit

- 6.5 gallon containment of oil or chemical spills
- Includes 15 medium bonded pads, 1-4' sock, 1-10' sock, goggles, disposal bag, nitrile gloves, guidebook and instructions



Order #	Mfg. #	Each
W89-980	92010	**175.00**

Magnetic Umbrella

- Stay in the shade on scorching rooftops, and keep tools dry during rainy repairs
- Waterproof 60" umbrella with durable and flexible fiberglass ribs
- Fire Rated Umbrella contains NFPA 701 rated fabric
- Base Swivels and locks
- Heavy duty magnet attaches securely to any metal housing and holds up to 250 Lbs.
- Kit includes umbrella and magnetic base



Order #	Mfg. #	Description	Each
W80-203	MUKIT	Magnetic Umbrella Kit	**179.00**
W80-204	MUUMB	Magnetic Umbrella Only	**95.00**
W80-205	MUBASE	Magnetic Umbrella Base Only	**125.00**
W80-284	MUKIT-FR	Fire Rated Magnetic Umbrella Kit	**249.00**
W80-285	MUPOLE	Umbrella Pole Extension	**59.00**
W80-286	MUCLAMP	Heavy-Duty Steel Clamp	**30.99**

Covergrip™ Safety Drop Cloths

- Reduces slips and falls
- Liquid and tear resistant
- Rubberized dots made of PVC
- Fits snugly on stairs and corners
- 100% washable canvas



A



B

Fig.	Order #	Mfg. #	Description	Each
A	**W80-093**	CGQD3.5X4	Quick Drop 8 oz. Safety Drop Cloth 3.5' X 4'	**30.49**
A	**W80-091**	CGC5X8	Classic 8 oz. Safety Drop Cloth 5' x 8'	**59.00**
A	**W80-092**	CGC8X10	Classic 8 oz. Safety Drop Cloth 8' x 10'	**115.00**
A	**W80-090**	CGC3.5X12	Classic 8 oz. Safety Drop Cloth 3.5' X 12'	**69.00**
B	**W80-094**	CGHD4X15	Heavy Duty 10 oz. Safe Zone Drop Cloth 4' X 15'	**99.00**
B	**W80-095**	CGHD9X12	Heavy Duty 10 oz. Safe Zone Drop Cloth 9' X 12'	**175.00**
B	**W80-096**	CGHD12X15	Heavy Duty 10 oz. Safe Zone Drop Cloth 12' X 15'	**299.00**

Disposable Shoe Covers

- Fits up to size 15 boot
- Non-skid surface



Order #	Mfg. #	Description	Each
W69-324	SC-1	50 Pair	**85.00**
W69-608	SC-1WP	50 Pair - Waterproof	**109.00**

Disposable Shoe Covers

- Low-profile, extra-large size to fit over size 18 work boots
- Elastic top and bottom for a secure fit
- Protects flooring and offers shoe protection



Order #	Mfg. #	Description	Each
W69-742	68402	Economy Shoe Cover (50-Pk.)	**89.00**
W69-743	68404	Waterproof Shoe Cover (40-Pk.)	**105.00**

KLEIN TOOLS



Neck and Face Cooling Band

- Fast cooling with evaporative performance knit fabric
- Anti-odor treatment for long lasting freshness
- Seamless moisture-wicking fabric can be worn wet or dry
- When wet, cooling is instant and can last for hours
- UPF 50+ sun protection from harmful UV rays
- Can be worn by itself or under a hard hat
- Machine washable

Order #	Mfg. #	Each
W69-727	60439	**24.49**

3M



Respirators

- NIOSH approved N95
- Easily adjustable for comfort fit
- **W69-448** has Cool Flow™ exhalation valve for cool dry comfort
- Pricing per package

Order #	Mfg. #	Pkg. Qty.	Each
W69-447	8210	20	**65.00**
W69-448	9211plus	10	**79.00**

3M



Impact Protective Goggles

- Protects eyes from flying objects
- Clear polycarbonate lens
- Perforated mask reduces fogging
- Can be worn over personal glasses
- Adjustable headband
- Meets ANSI Z87.1

Order #	Mfg. #	Each
W69-017	7100159245	**7.95**

3M



E-A-R® Foam Ear Plugs

- One size fits all, self-fitting
- Noise reduction rating — 29dB
- Reusable, washable

Order #	Mfg. #	Each
W69-207	90581-200-1C	**0.84**

KLEIN TOOLS



Hard Hats

- Flexible open frame design for optimal fit and improved ventilation
- Pivot adjustment allows user to position the ratchet mechanism to accommodate other headwear
- Large knob mechanism allows for easy one-hand adjustment, even with gloves on
- Sweat-wicking and breathable padding with anti-microbial and odor control materials
- Meets ANSI Z89.1-2014, CSA Z94.1-15 and EN397:2012+A1:2012 standards
- Class E hard hats include electrical protection up to 20kV
- Class C hard hats are for general use and don't provide electrical protection

Warning: This product contains lithium batteries and cannot be shipped by air

Order #	Mfg. #	Description	Each
W80-253	60406RL	Full Brim Style Class E Hard Hat with Headlamp (Non-Vented)	**185.00**
W80-254	60407	Full Brim Style Class E Hard Hat with Headlamp (Vented)	**145.00**
W80-255	60105	Cap Style Class C Hard Hat (Vented)	**105.00**
W80-293	60526	Cap Style Class C Hard Hat (Vented) with Headlamp	**235.00**

Hazardous Material Shipping Alert

KLEIN TOOLS



Safety Glasses

- High-quality protective eyewear with anti-fog coating
- Scratch resistant lenses with UV protection blocks 99.9% of harmful UV rays
- Lightweight and flexible materials for long-term comfort
- Rubber nose piece and temples for face conforming fit and sure grip

Order #	Mfg. #	Description	Each
W69-713	60159	Safety Glasses with Clear Lens	**22.49**
W69-714	60160	Safety Glasses with Tinted Lens	**22.49**
W69-715	60171	Safety Glasses with Clear Lens (2-Pk.)	**35.99**
W69-716	60172	Safety Glasses with Wide Clear Lens (2-Pk.)	**55.00**

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Safety Glasses

- Wraparound lens design fits over most eyeglasses
- Built-in side shields for front and side protection
- Clear frame and lens for unobstructed view
- Meets ANSI Z87.1 and CSA Z94.3 standards



Order #	Mfg. #	Each
W69-641	70006953817	**10.99**

SecureFit™ 400 Series Protective Eyewear

- Clear polycarbonate wraparound lens
- Soft, adjustable nose pads for comfort
- 99.9% UV protection



Order #	Mfg. #	Each
W80-142	66211	**13.99**

Kneeling Pad

- Excellent shock absorption and cushioning
- Silicone-free material will not degrade with oil or petroleum contact
- Square cut edge with diagonal perimeter striping
- 21" L x 14" W x 1" H



Order #	Mfg. #	Each
W89-883	302	**75.00**

Ultraflex™ Non-Skid Professional Knee Pads

- Sure-grip shell surface
- Thick foam inner pads for all-day comfort and protection
- Adjustable rubber straps to fit all sizes



Order #	Mfg. #	Each
W69-174	361	**65.00**

Gel-Tek™ Stabili-Cap™ Knee Pads

- Stabili-Cap™ design provides a solid kneeling base and allows for easier forward movement, effectively increasing your range of motion
- Injection-molded polyurethane and Gel technology give our Contour-Fit Kneecups™ unsurpassed all-day comfort and support
- Nylon web and woven elastic straps with slide buckle connectors allow for easy adjustment and a secure fit



Order #	Mfg. #	Each
W69-446	376	**119.00**

Knee Pad Sleeves

- Second-skin fit design for agility
- Anti-abrasion layer contours to leg shape
- Elastic cuff with slip-resistant silicone
- Made with lightweight, breathable mesh
- Lightweight sleeves include Flexible EVA padding
- Heavy-duty sleeves include triple layer neoprene foam padding
- Sold in pairs and two different sizes



Order #	Mfg. #	Description	Each
W69-754	60492	Lightweight Knee Pad Sleeves M/L	**48.99**
W69-755	60592	Lightweight Knee Pad Sleeves L/XL	**48.99**
W69-756	60511	Heavy Duty Knee Pad Sleeves M/L	**99.00**
W69-757	60611	Heavy Duty Knee Pad Sleeves L/XL	**99.00**

ANSI First Aid Kits

- Weatherproof carrying case
- Handle is wall mountable
- Contents exceed 2015 ANSI Class A requirements



Order #	Mfg. #	Description	Each
W69-700	FAK-10	10 Person First Aid Kit	**89.00**
W69-701	FAK-25	25 Person First Aid Kit	**119.00**

FIRST ALERT PRO

First Alert Fire Extinguisher

NEW

- Easy to read pressure gauge
- Fits easily inside standard fire box
- Commercial grade metal valve and trigger



A



B

Hazardous Material Shipping Alert

Fig.	Order #	Mfg. #	Height	Diam.	Wt. Lbs.	Each
A	**W80-311**	PRO5	16.2”	4.8”	10.2lb	**119.00**
B	**W80-310**	BRACKET2	7.8”	2”W	.49lb	**13.49**

FIRST ALERT PRO

EZ Fire Spray

NEW

- Aerosol fire extinguishing spray
- Compact, lightweight, and safe for indoor and outdoor use
- Discharges four times longer than a traditional fire extinguisher
- Light aerosol can is easy to hold, carry and use
- Extinguishes grease, paper, fabric, wood and electrical fires
- Extinguishing formula is biodegradable and easy-to-clean



Hazardous Material Shipping Alert

Order #	Mfg. #	Height	Diam.	Wt. Lbs.	Each
W80-312	AF400	9.6”	2.6”	18oz	**35.99**

KLEIN TOOLS

9” T-Handle Hex Key Set

- 10-piece set includes 3/32”, 7/64”, 1/8”, 9/64”, 5/32”, 3/16”, 7/32”, 1/4”, 5/16” and 3/8”
- Soft touch grips for maximum control and comfort
- Includes metal stand



Order #	Mfg. #	Description	Each
H85-635	JTH910E	10-Piece Set	**155.00**
H27-208	JTH9E06	3/32”	**13.49**
H27-209	JTH9E07	7/64”	**12.49**
H27-210	JTH9E08	1/8”	**13.49**
H27-211	JTH9E09	9/64”	**13.49**
H27-212	JTH9E10	5/32”	**13.99**

Order #	Mfg. #	Description	Each
H27-213	JTH9E11	3/16”	**16.49**
H27-214	JTH9E12	7/32”	**16.99**
H27-215	JTH9E13	1/4”	**19.49**
H27-216	JTH9E14	5/16”	**22.49**
H27-217	JTH9E15	3/8”	**27.99**

KLEIN TOOLS

L-Style Hex Key Sets

NEW

- Long L-style keys for hard-to-reach applications
- Heat-treated and tempered alloy steel for added strength and durability
- Rust and corrosion resistant
- Hex key sizes 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16 and 3/8”
- **H29-097** includes chamfered ends for engagement with fasteners
- **H29-098** includes ball-end versions which work on angles up to 25°



Order #	Mfg. #	Description	Each
H29-097	LS12	12-Piece SAE L-Style Hex Key Set	**31.49**
H29-098	BLS12	12-Piece SAE Ball-End L-Style Hex Key Set	**36.49**

KLEIN TOOLS

Compact Folding Hex Key Sets

NEW

- High-leverage blades open independently up to 270°
- Hex-key ends are square-cut for a secure, full-depth fit
- Heat-treated and tempered alloy steel for strength and durability
- Reinforced nylon handle has a sturdy, comfortable grip
- **H29-089** SAE set include 5/64”, 3/32”, 7/64”, 1/8”, 9/64”, 5/32”, 3/16”, 7/32” and 1/4”
- **H29-091** Metric set includes 1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm and 8 mm
- **H29-092** TORX set includes T9, T10, T15, T20, T25, T27, T30 and T40



Order #	Mfg. #	Description	Each
H29-089	70540	9-Piece SAE Compact Folding Hex Key Set	**31.49**
H29-091	70540M	8-Piece Metric Compact Folding Hex Key Set	**31.49**
H29-092	70540T	8-Piece TORX® Compact Folding Hex Key Set	**31.49**
H29-090	70542	Compact Folding Hex Key Sets 2-Pk (SAE and Metric)	**48.49**
H29-093	70543	Compact Folding Hex Key Sets 3-Pk (SAE, Metric and TORX®)	**75.00**

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Pro Folding Hex Key Sets

NEW

KLEIN TOOLS

- High-leverage blades open independently up to 270°
- Extended-reach blades from 3-1/2" to 4-1/2" long for greater reach
- Hex-key ends are square-cut for a secure, full-depth fit
- Heat-treated and tempered alloy steel for strength and durability
- Reinforced nylon handle has a sturdy, comfortable grip
- **H29-095** includes SAE hex key set: 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8" and 1/2" and a Metric hex key set: 1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm and 12 mm
- **H29-096** includes SAE, Metric and TORX hex key sets
- TORX hex key sizes T6, T8, T9, T10, T15, T20, T25, T27, T30 and T40



Order #	Mfg. #	Description	Each
H29-094 ◀	70550T	10-Piece TORX® Pro Folding Hex Key Set	**48.49**
H28-637	70550	11-Piece SAE Pro Folding Hex Key Set	**46.99**
H29-095 ◀	70552	Pro Folding Hex Key Set 2-Pk (SAE and Metric)	**75.00**
H29-096 ◀	70553	Pro Folding Hex Key Set 3-Pk (SAE, Metric and TORX®)	**99.00**

9-Piece Folding Hex Key Set

KLEIN TOOLS

- Hex ends are square cut for a secure fit
- Compact folding design easily fits in pocket or tool box
- Handle length: 4-1/4"
- Includes 5/64'', 3/32'', 7/64'', 1/8'', 9/64'', 5/32'', 3/16'', 7/32'' and 1/4''



Order #	Mfg. #	Each
H28-254	70591	**20.49**

7-Piece 12" Long Arm Hex Key Set

Malco

- Long L-style keys for hard-to-reach applications
- Tough alloy steel with black oxide finish
- Includes 5/64", 3/32", 1/8", 5/32", 3/16", 7/32" and 1/4"



Order #	Mfg. #	Each
H28-381	W12	**75.00**

Screwdrivers

KLEIN TOOLS

- Cushion grip handle for greater torque and comfort
- **H27-565** includes 1/4" keystone, 3/16" cabinet, 5/16" keystone tip and #2 Phillips tip
- **H25-280** includes 3/16" and 1/4" cabinet, 1/4" and 5/16" keystone and #2 Phillips



Order #	Mfg. #	Description	Shank Type	Blade Length	Overall Length	Each
H27-565	85105	4-Piece Set	Assorted	Assorted	Assorted	**115.00**
H25-280	85075	5-Piece Set	Assorted	Assorted	Assorted	**129.00**
H24-911	601-4	3/16" Slotted Cabinet Tip	Round	4"	7-3/4"	**25.49**
H25-282	601-6	3/16" Slotted Cabinet Tip	Round	6"	9-3/4"	**25.49**
H25-281	600-4	1/4" Slotted Keystone Tip	Square	4"	8-11/32"	**33.49**
H25-284	605-6	1/4" Slotted Cabinet Tip	Round	6"	10-11/32"	**31.99**
H24-912	602-4	1/4" Slotted Keystone Tip	Round	4"	8-11/32"	**33.49**
H25-283	602-6	5/16" Slotted Keystone Tip	Round	6"	10-15/16"	**38.49**
H24-909	603-3	#1 Phillips Tip	Round	3"	6-3/4"	**24.99**
H24-910	603-4	#2 Phillips Tip	Round	4"	8-5/16"	**28.49**
H27-566	603-7	#2 Phillips Tip	Round	7"	11-5/16"	**26.49**
H28-498	662	4" Recess Screwdriver	Round	4-1/4"	8-1/4"	**23.49**
H28-499	666	8" Recess Screwdriver	Round	6-1/4"	12-1/4"	**27.99**

Precision Magnetic Screwdriver Set

KLEIN TOOLS

- Includes 39 bits for applications that require precision
- Reversible barrel has standard and extended-reach ends
- Barrel contains powerful rare earth magnets for securing bits and fasteners
- Spin cap offers optimum and precise control
- Cushion grip handle for greater torque and comfort
- Includes compact carrying case



Order #	Mfg. #	Each
H28-739	32717	**75.00**

KLEIN TOOLS



14-in-1 Precision Screwdriver/Nut Driver

- Precision screwdriver and integrated nut driver
- Includes Phillips #00, #0; Slotted 3/32", 1/8"; Tamperproof Torx® T7, T8, T10, T15; Hex 9/64", 5/32", 3/16", 7/32", 1/4", 5/16"
- Interchangeable steel shaft for easy bit changes
- Sizes are etched into integrated barrels and bits
- Spin cap offers optimum and precise control
- Cushion grip handle for greater torque and comfort

Order #	Mfg. #	Each
H28-740	32314	38.49

KLEIN TOOLS



Precision Screwdriver Set

- Includes two phillips #0, #00 and two slotted 3/32", 1/8" screwdrivers
- Rotating caps for maximum precision
- Cushion-Grip™ handles
- Color coded rings for easy identification

Order #	Mfg. #	Each
H28-943	85615	45.49

KLEIN TOOLS



13-in-1 Impact Ratcheting Screwdriver ◀NEW

- Twelve bit tips plus a 1/4" nut driver
- Forward, fixed and reverse ratchet positions
- #0, #1, #2, #3 Phillips
- 3/16", 1/4" Slotted and #1, #2 Square
- T10, T15, T20, T25 TORX and 1/4" hex
- Slim ratcheting handle with cushion-grip

Order #	Mfg. #	Each
H29-084 ◀	32313HD	65.00

KLEIN TOOLS



15-in-1 Multi-Bit Ratcheting Screwdriver

- Multi-Bit screwdriver features a durable ratcheting mechanism
- On-board storage of 14 double-sided screwdriver bits and a 1/4" nut driver
- Industrial-strength bits that are conveniently housed in the handle
- Includes Phillips (#0, #1, #2, #3), Slotted (3/16", 1/4"), Square (#1, #2), Torx® (T10, T15, T20, T25), and Combo (#1, #2) bits
- Spin cap offers optimum and precise control
- Cushion grip handle for greater torque and comfort

Order #	Mfg. #	Each
H28-741	32305	55.00

KLEIN TOOLS



27-in-1 Magnetic Multi-Bit Tamperproof Screwdriver

- Multi-Bit screwdriver features onboard storage of 26 tamperproof bits and a 1/4" nut driver
- Industrial-strength, double-sided bits that are conveniently housed in the handle
- Stainless steel barrel provides great impact and wear resistance
- Includes Torx®, TORQ-SET®, Hex, and Spanner
- Barrel contains powerful rare earth magnets for securing bits and fasteners
- Spin cap offers optimum and precise control
- Cushion grip handle for greater torque and comfort

Order #	Mfg. #	Each
H28-742	32307	65.00

KLEIN TOOLS



8-in-1 Magnetic Multi-Bit Adjustable Length Stubby Screwdriver

- Multi-bit stubby screwdriver includes 7 screwdriver bits and a 1/4" nut driver
- Industrial-strength bits that are conveniently housed in the handle
- Adjust the length of the blade for easier access
- Impact rated blade can be removed for use as an impact driver attachment
- Stainless steel bit holder contains powerful rare earth magnets for securing bits and fasteners
- Spin cap offers optimum and precise control
- Cushion grip handle for greater torque and comfort

Order #	Mfg. #	Each
H28-743	32308	40.99

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Slim-Profile Mini Ratchet Set

KLEIN TOOLS

- Slim profile for use in tight spaces
- Includes 1/4" and 5/16" nut drivers, a 1/4" adapter and 4 drive bits (#1 and #2 Phillips, 3/16" and 1/4" slotted)
- 1/4" dual-drive head and socket adapter for more versatility
- Finger loop allows for one-hand driving



Order #	Mfg. #	Each
H28-744	65200	**38.99**

12-in-1 Impact Stubby Driver Set

◀ NEW

KLEIN TOOLS

- Multi-bit stubby screwdriver includes 7 screwdriver bits and 2 hex flip sockets
- 1/4" bit holder
- Includes 1/4, 5/16, 11/32 and 3/8" hex
- #1, #2, #3 Phillips, 3/16, 1/4" Slotted, #1, #2 Square
- Impact rated shaft, bits and sockets for heavy-duty applications
- Cushion grip handle for greater torque and comfort



Order #	Mfg. #	Each
H29-083 ◀	32308HD	**79.00**

Mini Screwdrivers

KLEIN TOOLS

- Cushion grip handle for greater torque and comfort
- **H26-637** includes 3/32" and 1/8" cabinet, 1/16" keystone and #0 Phillips



Order #	Mfg. #	Description	Blade Length	Overall Length	Each
H26-637	85484	4-Piece Set	Assorted	Assorted	**69.00**
H27-223	607-3	3/32" Slotted Cabinet Tip	3"	5-3/4"	**19.49**
H27-567	604-3	#0 Phillips Tip	3"	5-3/4"	**19.49**

Terminal Block Screwdriver

KLEIN TOOLS

- Precision machined tip provides exact fit for terminal block screws
- Tip provides 76% higher torque value than the required ASME B107 standard
- Cushion grip handle for greater torque and comfort



Order #	Mfg. #	Description	Blade Length	Overall Length	Each
H27-224	612-4	1/8" Slotted Tip	4"	7-3/4"	**24.99**

Demolition Drivers

KLEIN TOOLS

- Heat treated metal shaft runs complete length of handle to metal strike cap to transfer metal strike force
- Plated metal strike cap to protect handle from hammer blows
- Patented Tip-Ident® quickly identifies the type of screwdriver and screwdriver tip orientation
- Meets or exceeds applicable ASME / ANSI specifications
- Cushion grip handle for greater torque and comfort



Order #	Mfg. #	Description	Blade Length	Overall Length	Each
H27-437	602-4DD	1/4" Slotted Keystone Tip	4"	9"	**40.99**
H27-438	602-7DD	5/16" Slotted Keystone Tip	7"	12"	**59.00**
H27-820	603-4DD	#2 Phillips Tip	4"	9"	**41.49**
H27-821	650-DD	Scratch Awl	3-1/2"	7-7/8"	**49.99**

Screw-Holding Screwdrivers

KLEIN TOOLS

- Starts and drives screws with 1 hand when working in hard-to-reach spaces
- Cushion grip handle for greater torque and comfort



Order #	Mfg. #	Description	Blade Length	Overall Length	Each
H27-218	32215	1/4" Flat Tip	7"	11-1/4"	**24.99**
H27-219	32216	#2 Phillips Tip	7"	11-1/4"	**24.99**

Adjustable Length Screwdriver



- Removable shaft adjusts 4'' to 8''
- Simply press down to extend or lengthen the shaft and push up to retract or shorten the shaft
- Includes #2 Phillips and 1/4'' Slotted tips
- Cushion grip handle for greater torque and comfort

Order #	Mfg. #	Each
H28-144	32751	**59.00**

Magnetic Screwdriver with 32-Piece Tamperproof Bit Set



- Sturdy bit and screw holding magnet keeps screws securely in place
- Includes 1/4" square to 1/4" hex adaptor to drive sockets
- TORX® bits included: T7, T8, T10, T15, T20, T25, T27, T30 and T40
- Fraction hex bits included: 3/32", 7/64", 1/8", 9/64", 5/32" and 3/16"
- Metric hex bits included: 2 mm, 2.5 mm, 3 mm, 4 mm and 5 mm
- Spanner bits included: 4, 6, 8 and 10
- Tri-Wing® bits included: 1, 2, 3 and 4
- TORQ-SET® bits included: 6, 8 and 10
- Cushion grip handle for greater torque and comfort

Order #	Mfg. #	Description	Each
H26-750	32510	Magnetic Screwdriver with 32-Piece Tamperproof Bit Set	**85.00**
H26-751	32525	32-Piece Tamperproof Bit Set	**65.00**
H26-752	32526	32-Piece Standard Bit Set	**65.00**

4-in-1 Electronics Screwdriver



- Rotating cap for optimum and precise control
- Interchangeable shaft holds 4 universal tips
- Includes #0 and #00 Phillips, 1/8" and 3/32" slotted

Order #	Mfg. #	Each
H28-388	32581	**30.99**

Pocket Screwdrivers



- Compact with concealable tip and pocket clip for easy storage
- Interchangeable shaft with short and long side
- 3-in-1 screwdriver includes #0 Phillips, 1/8" slotted and Schrader valve core remover bit
- 4-in-1 screwdriver includes #0 and #00 Phillips, 1/8" and 3/32" slotted
- Cushion grip handle for greater torque and comfort

Order #	Mfg. #	Description	Each
H28-614	32613	3-in-1 Pocket Screwdriver	**38.99**
H28-615	32614	4-in-1 Pocket Screwdriver	**38.99**

Stubby 6-in-1 Screwdriver/Nut Driver



- Compact design allows easy access to tight work spaces
- Interchangeable shaft holds 4 universal tips and converts to 2 nut driver sizes
- Includes 3/16" and 1/4" slotted, #1 and #2 Phillips, 1/4" and 5/16" nut drivers
- Cushion grip handle for greater torque and comfort

Order #	Mfg. #	Each
H27-222	32561	**30.99**

Ratcheting 6-in-1 Stubby Screwdriver/Nut Driver



- 3-way ratcheting mechanism with forward, reverse and locked positions
- Compact design allows easy access to tight work spaces
- Interchangeable shaft holds 4 universal tips and converts to 2 nut driver sizes
- Includes #1 and #2 Phillips, 1/4" & 3/16" slotted bits and 1/4" and 5/16" hex drivers
- Cushion grip handle for greater torque and comfort

Order #	Mfg. #	Each
H28-387	32593	**43.99**

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Extended Reach 6-in-1 Screwdriver/Nut Driver

KLEIN TOOLS

- Extra-long shaft provides full reach of 4" standard-blade screwdriver
- Interchangeable shaft holds 4 universal tips and converts to 2 nut driver sizes
- Includes 3/16" and 1/4" slotted, #1 and #2 Phillips, 1/4" and 5/16" nut drivers
- Cushion grip handle for greater torque and comfort



Order #	Mfg. #	Each
H27-221	32559	**43.99**

8-in-1 Insulated Interchangeable Screwdriver Set

KLEIN TOOLS

- Insulated handle and 5 interchangeable blades for quick changes while you work
- Meets or exceeds ASTM F1505-16 standard for insulated tools, 1000V rated
- Includes roll pouch, #2 Phillips (2), 1/4" slotted (2), #1 Phillips, #1 square, #2 square and 3/16" slotted tops
- Cushion-Grip handle for greater torque and comfort



Order #	Mfg. #	Each
H28-638	32288	**115.00**

2-in-1 Insulated Electronics Screwdriver

KLEIN TOOLS

- 1000V insulation rated
- Includes #0 phillips and 1/8" slotted bits
- Interchangeable shaft for bit changeouts
- Cushion-Grip™ handles
- Meet or exceed ASTM F1505 standard



Order #	Mfg. #	Each
H28-944	32581INS	**36.49**

11-in-1 Magnetic Screwdriver/Nut Driver

KLEIN TOOLS

- Integrated screwdriver/nut driver magnetic shaft holds 8 popular tips and converts to 3 nut driver sizes
- Strong, rare earth magnets securely hold bits and fasteners
- Includes 3/8", 5/16" and 1/4" nut drivers, #1 and #2 Phillips, 1/4" and 3/16" slotted, T10 and T15 TORX®, and #1 and #2 square recess
- Cushion grip handle for greater torque and comfort



Order #	Mfg. #	Each
H28-691	32500MAG	**55.00**

11-in-1 Screwdriver/Nut Driver

KLEIN TOOLS

- 3/8", 5/16" and 1/4" nut drivers, #1 and #2 Phillips, 1/4" and 3/16" slotted, #1 and #2 square recess
- Includes Schrader valve core remover/ extractor tip
- Cushion grip handle



Order #	Mfg. #	Each
H27-026	32527	**55.00**

11-in-1 Impact Rated Screwdriver/Nut Driver

KLEIN TOOLS

- Includes impact rated 1/4", 5/16" and 3/8" power nut drivers
- 1/2" standard nut driver
- Phillips #1 and #2
- Slotted 1/4" and 3/16"
- T25 TORX® plus #1 and #2 square recess
- Color coded power nut drivers
- Cushion-Grip™ handle



Order #	Mfg. #	Each
H28-948	32500HD	**55.00**

Magnetizer/Demagnetizer Tool

KLEIN TOOLS

- Quickly magnetize and demagnetize screwdriver tips and bits
- Powerful rare-earth magnets provide long-lasting charge
- Compatible with most precision screwdrivers up to #3 Phillips and 1/4" slotted with square shank
- Includes stainless steel key ring for attaching to tool bags/backpacks



Order #	Mfg. #	Each
H28-511	MAG2	**25.49**

14-in-1 Adjustable-Length Screwdriver with Flip Socket



- Adjustable length screwdriver includes 1/4” and 5/16” flip socket and 12 driver bits conveniently housed in the handle
- Impact rated blade for use in an impact driver
- Powerful rare-earth magnet securely holds bits and fasteners
- Includes #0, #1, #2 Phillips, 1/8”, 3/16” and 1/4” slotted, #2 square, T10, T15 , #2 JIS bit
- Schrader valve insertion and core removal bits
- Spin cap for optimum control
- Cushon-Grip handle for greater torque and comfort

Order #	Mfg. #	Each
H28-796	32304	**65.00**

7-in-1 Magnetic Multi-Nut Driver



- Integrated nut driver shaft holds 7 popular sizes
- Color coded bands for easy identification
- Wrench-assist on handle for greater torque
- Includes 1/4’’, 5/16’’, 11/32’’, 3/8’’, 1/2’’, 7/16’’ and 9/16’’ hex sizes
- Cushion grip handle for greater torque and comfort

Order #	Mfg. #	Each
H28-560	32807MAG	**79.00**

7-in-1 Impact Flip Socket Set with Handle



- Impact rated flip socket set features 6 integrated hex sizes plus a 1/4” bit holder
- Cushion grip handle for greater torque and comfort
- Includes 1/4”, 5/16”, 3/8”, 7/16”, 1/2” and 9/16” nut driver sizes
- Powerful rare-earth magnet securely holds bits and fasteners
- Sockets are color coded for easy identification
- Detachable sockets allow for easy removal of metal shavings

Order #	Mfg. #	Each
H28-986	32910	**75.00**

9-in-1 Pass Through Impact Multi Nut Driver ◀NEW



- Pass-through handle for fastening hex nuts onto threaded rod of any length
- Includes 3/16, 1/4, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16 and 3/4” nut driver sizes
- Spring coil holds nuts and bolts in place
- Cushion grip handle for greater torque and comfort

Order #	Mfg. #	Each
H29-082 ◀	32809MAG	**85.00**

Magnetic Power Nut Driver Set 7-Piece ◀NEW



- 1/4”, 5/16”, 3/8”, 7/16”, 1/2” and 9/16” hex sizes
- 5” shaft
- 3-3/4” hollow core
- Ratcheting handle for comfort and control
- Powerful Rare-Earth magnet securely holds fasteners
- Nut drivers are made of high-grade impact steel and color coded for easy identification

Order #	Mfg. #	Each
H29-085 ◀	32950	**139.00**

Nut Drivers



- 7-Piece set includes 3/16”, 1/4”, 5/16”, 11/32”, 3/8”, 7/16” and 1/2”
- Cushion grip handle for greater torque and comfort

Order #	Mfg. #	Description	Shank Type	Color Code	Overall Length	Each
H25-274	631	7-Piece Set	Regular	Assorted	Assorted	**155.00**
H26-277	610	2-Piece Set (1/4” and 5/16”)	Regular	Red & Yellow	3-1/2”	**48.99**
H25-285	630-3/16	3/16” Hex Size	Regular	Black	6-5/8”	**25.99**
H25-286	630-1/4	1/4” Hex Size	Regular	Red	6-5/8”	**25.99**
H25-287	630-5/16	5/16” Hex Size	Regular	Yellow	6-5/8”	**24.99**
H25-288	630-11/32	11/32” Hex Size	Regular	Green	6-5/8”	**25.99**
H25-289	630-3/8	3/8” Hex Size	Regular	Blue	6-5/8”	**24.99**
H25-290	630-7/16	7/16” Hex Size	Regular	Brown	7-1/4”	**27.49**
H25-291	630-1/2	1/2” Hex Size	Regular	Red	7-1/4”	**31.99**

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Magnetic Nut Drivers

KLEIN TOOLS

- 7-Piece set includes 3/16", 1/4", 5/16", 11/32", 3/8", 7/16" and 1/2"
- Rare earth magnetic tip
- Hollow shaft for long bolts or studs
- Chrome-plated shaft helps prevent corrosion
- Tip-Ident® quickly identifies nut driver hex orientation and size
- Cushion grip handle for greater torque and comfort



Order #	Mfg. #	Description	Shank Type	Color Code	Overall Length	Each
H26-636	631M	7-Piece Set	Assorted	Assorted	Assorted	**209.00**
H26-313	610M	2-Piece Set (1/4" and 5/16")	—	Red & Yellow	3-1/2"	**55.00**
H26-314	630M	2-Piece Set (1/4" and 5/16")	—	Red & Yellow	6-3/4"	**59.00**
H26-315	646M	2-Piece Set (1/4" and 5/16")	—	Red & Yellow	9-3/4"	**65.00**
H26-316	610-1/4M	1/4" Hex Size	—	Red	3-1/2"	**29.49**
H26-317	610-5/16M	5/16" Hex Size	—	Yellow	3-1/2"	**29.49**
H26-318	630-1/4M	1/4" Hex Size	—	Red	6-3/4"	**29.49**
H26-319	630-5/16M	5/16" Hex Size	—	Yellow	6-3/4"	**29.49**
H26-753	630-3/8M	3/8" Hex Size	—	Blue	6-3/4"	**32.49**
H26-754	630-11/32M	11/32" Hex Size	—	Green	6-3/4"	**32.99**
H26-320	646-1/4M	1/4" Hex Size	—	Red	9-3/4"	**32.49**
H26-321	646-5/16M	5/16" Hex Size	—	Yellow	9-3/4"	**35.49**
H26-755	646-3/8M	3/8" Hex Size	—	Blue	9-3/4"	**35.49**

2-in-1 Nut Driver

KLEIN TOOLS

- Quickly flip between 1/4" and 5/16" six-point hex nut drivers
- Powerful magnets for maximum fastener-retention
- Color coded bands for easy identification
- Wrench-assist to help remove stubborn fasteners
- Cushion grip handle for greater torque and comfort



Order #	Mfg. #	Each
H28-429	65064	**45.49**

Slide Drive Magnetic Nut Drivers

KLEIN TOOLS

- Nut driver head quickly adjusts from 5/16" to 1/4" nut driver
- Cushion grip handle for greater torque and comfort



Order #	Mfg. #	Description	Each
H28-449	65129	Slide Driver	**59.00**
H28-460	65131	Slide Drive Stubby	**44.49**

8-in-1 Slide Drive Magnetic Screwdriver/Nut Driver

KLEIN TOOLS

- Slide Drive head quickly adjusts from 5/16" to 1/4" nut driver
- Includes 3/8" and 1/4" regular nut drivers, #2 Phillips, 1/8" and 1/4" slotted and Schrader valve core remover
- Cushion grip handle for greater torque and comfort



Order #	Mfg. #	Each
H28-461	32596	**75.00**

4-in-1 Pocket Size Nut Driver

Malco

- High torque, non-slip over-molded grip
- Positive locking telescoping shaft
- Includes 1/4", 5/16", 3/8" and 7/16" hex openings



Order #	Mfg. #	Each
H28-149	4IN1	**43.49**

Z-Tool Nut Driver

ESP ENERGY SAVING PRODUCTS

- 1/4" x 5/16" magnetic swivel nut drivers
- Aircraft grade aluminum body
- Anodized knurled grip



Order #	Mfg. #	Each
H27-698	ZT10	**30.49**

Conduit Locknut Wrench



- Easily attach locknuts in tight or deep cut-in boxes
- For 1/2'' and 3/4'' connectors
- Direct-drive heads rotate each other when twisted
- Heavy-duty steel construction

Order #	Mfg. #	Each
H28-296	56999	**129.00**

TwinKey Control Cabinet Key



- Multifunction key for opening and closing control cabinets in HVAC applications, electrical panels and gas/water supply shut-off systems
- Compact interlocking design
- Includes reversible slotted/Phillips screwdriver bit

Order #	Mfg. #	Each
H27-483	001101	**105.00**

MagHex™ Wrench

NEW



- Designed for adding a threaded nut, bolt, or screw to threaded rod
- Two 9/16" sections and one 7/16" section
- Spins for quick action
- 3 magnets for secure contact and 2 magnets on face for easy storage

Order #	Mfg. #	Each
H29-109 ◀	826017	**65.00**

8" Extra-Wide Jaw Adjustable Wrench



- Extra-wide 1-1/2'' jaw has the same capacity as a standard 12'' wrench
- Standard and metric sizes marked on jaw for faster adjustment
- Unique design minimizes protruding jaw shank for greater capacity in tight spaces
- Wide plastic dipped handle for comfortable use

Order #	Mfg. #	Size	Capacity	Each
H27-610	D5098	8"	1-1/2"	**99.00**

Reversible-Jaw Adjustable Wrench/Pipe Wrench



- Converts from an adjustable wrench to pipe wrench by reversing jaw
- Self-gripping angled teeth on pipe wrench side
- Standard and metric sizes marked on jaw for faster adjustment
- Wide plastic dipped handle for comfortable use

Order #	Mfg. #	Size	Capacity	Each
H28-500	D86930	10"	1-1/2"	**119.00**

Slim-Jaw Adjustable Wrenches



- Slim jaws are 40% thinner for use in hard-to-reach applications
- Standard and metric sizes marked on jaw for faster adjustment
- Unique design minimizes protruding jaw shank for greater capacity in tight spaces
- Wide plastic dipped handle for comfortable use

Order #	Mfg. #	Size	Capacity	Each
H28-501	D86932	4"	1/2"	**85.00**
H28-502	D86936	8"	1-1/2"	**115.00**

Adjustable Wrenches



- Parallel jaw design won't slip or damage surfaces
- Adjustment screw gears for smooth adjustment and no back off
- Laser etched ruler for easy adjustment
- Chrome plated for rust protection and durability

Order #	Mfg. #	Size	Capacity	Each
H28-873	48-22-7400	6" and 10" Set	15/16" and 1-3/8"	**75.00**
H28-874	48-22-7406	6"	15/16"	**40.99**
H28-875	48-22-7408	8"	1-1/8"	**45.49**
H28-876	48-22-7410	10"	1-3/8"	**55.00**
H28-877	48-22-7412	12"	1-5/8"	**65.00**

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Precision Torque Wrench Set

- Interchangeable head torque wrench provides consistent and accurate readings
- Use to ensure compliance with OEM torque settings on R410A mini-split systems
- Range of 10 to 80 newton meters (7.4 to 59 ft/lb.)
- Newton meter and foot pound scales marked on barrel of wrench handle
- Includes storage case with 16, 17, 21, 22, 24, 26, 27 and 29mm head sizes



Order #	Mfg. #	Each
H85-861	60652	**419.00**

Digital Torque Wrench

- Use to ensure compliance with OEM torque settings on R410A mini-split systems
- Stores 5 factory and 5 user-defined torque presets
- Alerts user with audio, visual and vibration feedback when approaching or exceeding torque settings
- Jaw opening: 3/16" to 1-7/16" (5 to 35mm)
- Torque settings: Lbf.ft, Lbf.in, N-m and Kgf.m
- Powered by 2 AAA batteries (included)
- Includes storage case



Order #	Mfg. #	Each
H28-236	BTLDTW	**449.00**

Pipe Wrenches

- Sturdy housing and I-beam handle with full floating hook jaw
- Self-cleaning threads with replaceable hook and heel jaws
- Meets federal specifications GGG-W65IE, Type II, Class A
- Available in heavy-duty cast iron or lightweight aluminum



A



B

Fig.	Order #	Mfg. #	Description	Size	Capacity	Each
A	**H24-739**	31005	Iron	8"	1"	**85.00**
A	**H24-740**	31010	Iron	10"	1-1/2"	**85.00**
A	**H27-402**	31015	Iron	12"	2"	**95.00**
A	**H24-741**	31020	Iron	14"	2"	**105.00**
A	**H24-742**	31025	Iron	18"	2-1/2"	**149.00**
A	**H86-144**	31030	Iron	24"	3"	**229.00**

Fig.	Order #	Mfg. #	Description	Size	Capacity	Each
B	**H25-668**	31090	Aluminum	10"	1-1/2"	**125.00**
B	**H27-403**	47057	Aluminum	12"	2"	**149.00**
B	**H25-686**	31095	Aluminum	14"	2"	**165.00**
B	**H25-687**	31100	Aluminum	18"	2-1/2"	**205.00**
B	**H85-340**	31105	Aluminum	24"	3"	**315.00**
B	**H86-145**	31110	Aluminum	36"	5"	**605.00**

Offset Hex Wrench

- Perfect tool for TXV valves
- Hex jaw provides multi-sided secure grip on all hex nuts, square nuts, unions and valve packing nuts
- 1-1/8" to 2-5/8" capacity



Order #	Mfg. #	Each
H24-743	31305	**115.00**

Micro 5 Steel Wrench

- Self-adjusting wrench that is ideal for small nuts and bolts
- Spring loaded jaw offers seven wrench sizes
- Durable chrome finish
- Precision machined teeth
- Ratchet action
- For use up to 1/2"
- Comfort contoured handle



Order #	Mfg. #	Each
H28-900	SW127-14	**159.00**

Amigo 1" Aluminum Wrench

- Nine inches long and less than a pound
- Compact size and spring-loaded jaws
- Precision machined teeth
- Comfort contoured handle



Order #	Mfg. #	Each
H28-901	ASW7-1	**269.00**

Amigo XL 1" Steel Wrench

- Heavy duty steel handle
- Precision machined forged teeth
- Comfort contoured handle



Order #	Mfg. #	Each
H86-238	SW16-1	**409.00**

Bigfoot Ultra Light 1.5” Aluminum Pipe Vise



- Aluminum body and hardened steel jaws weigh in at 2 Lb. 12 Oz.
- Use with wrenches up to 14” in length
- Non-skid rubber feet secure the tool during operation and prevent marring
- Patent pending spring-loaded Double V jaws rapidly adjust to any pipe size within capacity in seconds
- Quick change jaws allow for replacement of top and bottom jaws in under 5 minutes with basic tools

Order #	Mfg. #	Each
H28-902	APV01	**485.00**

Roughneck 2” Aluminum Pipe Vise



- Heavy duty aluminum body and hardened steel jaws weigh in at 7 Lbs.
- 15.5” long and 6” wide
- Low profile handle eliminates interference with your wrench during use
- Non-skid rubber feet secure the tool during operation and prevent marring
- Patent pending spring-loaded Double V jaws rapidly adjust to any pipe size within capacity in seconds
- Quick change jaws allow for replacement of top and bottom jaws in under 5 minutes

Order #	Mfg. #	Each
H86-239	APV02	**629.00**

Bigfoot 1.5” Steel Pipe Vise



- All steel construction
- Use with wrenches up to 14” in length
- Non-skid rubber feet
- Patent pending spring-loaded Double V jaws adjust to any pipe size within capacity
- Quick change jaws allow for replacement of top and bottom jaws

Order #	Mfg. #	Each
H28-903	PV01	**445.00**

The Boss 2” Steel Pipe Vise



- All steel construction
- Use with wrenches up to 18” in length
- Non-skid rubber feet
- Patent pending spring-loaded Double V jaws rapidly adjust to any pipe size within capacity
- Quick change jaws allow for replacement of top and bottom jaws
- Comfort grip handle

Order #	Mfg. #	Each
H86-240	PV02	**585.00**

Alligator® Pliers



A



B

- Box joint construction
- 9 position adjustment
- Parallel jaw design to grip hex nuts and bolts on 4 sides
- Self-gripping on pipes and nuts
- Chrome vanadium steel
- **H27-121**, **H27-432** and **H27-433** have comfort grip handles

Fig.	Order #	Mfg. #	Size	Capacity	Each
A	**H26-892**	8801180SBA	7”	1/8” to 1-1/2”	**65.00**
A	**H24-808**	8801250SBA	10”	1/8” to 2”	**75.00**
A	**H24-809**	8801300SBA	12”	1/8” to 2-3/4”	**105.00**
A	**H27-742**	8801400SBA	16”	1/8” to 3-3/4”	**189.00**

Fig.	Order #	Mfg. #	Size	Capacity	Each
A	**H26-893**	002007US1	Set of 7”, 10” & 12”	1/8” to 2-3/4”	**219.00**
B	**H27-432**	8802180SBA	7”	1/8” to 1-1/2”	**75.00**
B	**H27-121**	8802250SBA	10”	1/8” to 2”	**85.00**
B	**H27-433**	8802300SBA	12”	1/8” to 2-3/4”	**115.00**

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Cobra® Pliers

- Box joint construction
- Push-button action for one handed adjustment
- Self-gripping on pipes and nuts
- Chrome vanadium steel
- **H26-895** features long, narrow jaws for accessing tight spaces
- **H27-123**, **H27-430**, **H27-431** and **H28-150** have comfort grip handles



A B

Fig.	Order #	Mfg. #	Size	Capacity	Each
A	**H27-122**	8701125SBA	5”	1/8” to 1-1/16”	**85.00**
A	**H27-485**	8701150SBA	6”	1/8” to 1-1/4”	**85.00**
A	**H25-786**	8701180SBA	7”	1/8” to 1-1/2”	**89.00**
A	**H25-787**	8701250SBA	10”	1/8” to 2”	**95.00**
A	**H27-617**	8721250SBA	10” Quick Set	1/8” to 2”	**99.00**
A	**H26-895**	8751250SBA	10” Extra Slim	1/8” to 1-1/4”	**99.00**
A	**H25-788**	8701300SBA	12”	1/8” to 2-3/4”	**129.00**
A	**H28-384**	8721300SBA	12” Quick Set	1/8” to 2-3/4”	**145.00**

Fig.	Order #	Mfg. #	Size	Capacity	Each
A	**H85-558**	8701400SBA	16”	1/8” to 3-3/4”	**219.00**
A	**H27-789**	003120V01	Set of 7” & 10”	1/8 “ to 2”	**169.00**
A	**H26-894**	002006US1	Set of 7”, 10” & 12”	1/8” to 2-3/4”	**285.00**
B	**H27-430**	8702180SBA	7”	1/8” to 1-1/2”	**95.00**
B	**H27-123**	8702250SBA	10”	1/8” to 2”	**105.00**
B	**H28-150**	8722250SBA	10” Quick Set	1/8” to 2”	**109.00**
B	**H27-431**	8702300SBA	12”	1/8” to 2-3/4”	**145.00**

Plier Wrenches

- Box joint construction and ergonomic design
- Push button adjustments
- Unique cam action ratcheting system for speed and leverage
- Smooth parallel jaws avoid damage to plated and soft fittings
- **H27-125** has comfort grip handles



A B

Fig.	Order #	Mfg. #	Size	Capacity	Each
A	**H28-105**	8603125SBA	5”	Up to 7/8” Hex	**125.00**
A	**H27-124**	8603150SBA	6”	Up to 1” Hex	**139.00**
A	**H25-789**	8603180SBA	7”	Up to 1-1/2” Hex	**139.00**
A	**H25-790**	8603250SBA	10”	Up to 2” Hex	**155.00**

Fig.	Order #	Mfg. #	Size	Capacity	Each
A	**H26-896**	8603300SBA	12”	Up to 2-1/2” Hex	**195.00**
A	**H27-790**	8603400SBA	15-3/4”	Up to 3-3/8” Hex	**399.00**
A	**H26-897**	002006US2	Set of 7”, 10” & 12”	Up to 2-3/8” Hex	**455.00**
B	**H27-125**	8605250SBA	10”	Up to 2” Hex	**169.00**

TwinGrip Pliers

- Easily grips stripped screws and bolts with unique front gripping jaws
- Opposing jaw teeth for maximum gripping force
- Box joint construction with slim head design for working in confined spaces
- Chrome vanadium steel
- Easy push-button adjustment from 5/32” to 7/8” capacity



Order #	Mfg. #	Size	Capacity	Each
H28-789	8201200SBA	8”	5/32” to 7/8”	**85.00**

Locking “Pinch-Off” Tool

- Pinches off and locks on copper tubing instantly
- Leaves both hands free, no shutoff valves needed
- Trigger release



Order #	Mfg. #	Description	Each
H27-087	60661	Pinch Off Plier	**48.49**

10” Pliers Wrench

- Parallel and V jaws for dual functionality
- 20 adjustment positions and 2” jaw opening
- High-lever ratio design for maximum grip
- Handle lever adjustment for quick adjustments in confined work spaces
- Manufactured with US-made tool steel



Order #	Mfg. #	Capacity	Each
H28-942	D53010	2”	**115.00**

6” Heavy-Duty Slip Joint Pliers

- Jaws have 2 position adjustment
- Chrome finish with cushion grip handles



Order #	Mfg. #	Each
H24-133	D511-6	**55.00**

KLEIN TOOLS

6-5/8" Needle Nose Pliers



- Precision-built pliers have a hand-honed cutter, ground and polished head, and milled sure-grip jaws
- Cushion grip yellow handles

Order #	Mfg. #	Each
H24-132	D203-6	**79.00**

KLEIN TOOLS

8-5/16" Needle Nose Pliers



- Heavier design long nose pliers for easier cutting
- Plastic dipped handles

Order #	Mfg. #	Each
H25-275	D203-8	**95.00**

KLEIN TOOLS

Long Nose Pliers with Journeyman Handles



- Hard black material on inner surface and handle ends for toughness and durability
- Hot-riveted joint for smooth action and no handle wobble
- Induction-hardened cutting knives for long life
- Soft yellow handle material on outer surface for comfort and firm grip

Order #	Mfg. #	Description	Each
H26-273	J203-6	6" Pliers	**85.00**
H26-271	J203-8	8" Pliers	**109.00**
H26-274	J203-8N	8" Pliers with 12 AWG Stripping Hole	**115.00**

KLEIN TOOLS

High-Leverage Side-Cutting Lineman's Pliers



A B

- High leverage design for 46% greater cutting power
- Hot-riveted joint for smooth action and no handle wobble
- Induction-hardened cutting knives for long life

Fig.	Order #	Mfg. #	Description	Each
A	**H26-270**	J213-9NE	9-3/8" Side-Cut Pliers With Molded Handle	**115.00**
B	**H25-276**	D213-9NE	9-3/8" Side-Cut Pliers With Plastic-Dipped Handles	**85.00**

KLEIN TOOLS

7" High-Leverage Diagonal-Cutting Pliers



- Heavy-duty cutter has extra strength and hardened cutting edges
- High leverage design for 36% greater cutting power
- Plastic-dipped handles

Order #	Mfg. #	Each
H24-130	D228-7	**85.00**

KLEIN TOOLS

8" High-Leverage Angled Head Diagonal-Cutting Pliers



A B

- High leverage design for 36% greater cutting power
- Hot-riveted joint for smooth action and no handle wobble
- Induction-hardened cutting knives for long life

Fig.	Order #	Mfg. #	Description	Each
A	**H26-272**	J248-8	Diagonal-Cut Pliers w/Molded Handle	**95.00**
B	**H25-277**	D248-8	Diagonal-Cut Pliers w/Dipped Handle	**75.00**

KLEIN TOOLS

9" Angled Head Diagonal Cutting Pliers



- Angled head design for easy work in confined space
- Cuts ACSR, screws, nails and most hardened wire
- Extra-long handles with high-leverage design for 67% more cutting power
- Hot-riveted joint for smooth action and no handle wobble
- Induction-hardened cutting knives for long life

Order #	Mfg. #	Each
H28-430	D2000-49	**99.00**

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9” Heavy-Duty Diagonal-Cutting Pliers

KLEIN TOOLS

- Extra-long cutting blades and reinforced head
- Angled blade design for easier access to cut screws and bolts
- High leverage design for 46% greater cutting power
- Hot-riveted joint for smooth action and no handle wobble
- Induction-hardened cutting knives for long life



Order #	Mfg. #	Each
H28-635	J2000-59	**95.00**

Crimping/Cutting Tool

KLEIN TOOLS

- Crimps insulated and non-insulated connectors
- Hot-riveted joint for smooth action and no handle wobble
- Tapered nose design for working in confined spaces
- Specially hardened cutter



Order #	Mfg. #	Each
H26-275	J1005	**115.00**

Forged Crimping Tool

KLEIN TOOLS

- For insulated and non-insulated terminals and connectors
- For wire from 10 to 22 AWG
- Wire cutter in nose
- Red plastic dipped handles



Order #	Mfg. #	Each
H24-930	1005	**95.00**

Forged Crimper with Stripping and Cutting

KLEIN TOOLS

- Crimps 10-22 AWG insulated and non-insulated terminals and connectors
- Strips 10-18 AWG stranded wire
- Specially hardened wire cutter in the nose and shear cutter below the rivet
- Textured grips for enhanced dexterity and integrated hang holes



Order #	Mfg. #	Each
H28-636	2005N	**95.00**

Hybrid Pliers

KLEIN TOOLS

- Strip, cut, twist, shear and crimp with one tool
- Strips 10-14 AWG solid and 12-16 AWG stranded wire
- Wide knurled head easily grabs and twists wires
- Cleanly shears 6-32 and 8-32 screws
- Crimps non-insulated connectors, lugs and terminals
- High-leverage design for 34% more cutting power
- Induction hardened cutting knives for long life



Order #	Mfg. #	Each
H28-606	J215-8CR	**95.00**

All-Purpose Pliers

KLEIN TOOLS

- Wire stripper and long-nose pliers in one tool
- Long nose for grabbing and looping wire
- Cleanly shears 6-32 and 8-32 screws
- Induction-hardened cutting knives for long life
- Hot-riveted joint ensures smooth action and no handle wobble
- 8-3/8” overall length
- **H27-771** is spring-loaded for self-opening action and strips and cuts 8 to 16 AWG solid and 10 to 18 AWG stranded wire
- **H28-157** strips and cuts 10 to 18 AWG solid and 12 to 20 AWG stranded wire



Order #	Mfg. #	Description	Each
H27-771	J206-8C	8” All-Purpose Pliers	**95.00**
H28-157	J207-8CR	8” All-Purpose Pliers with Crimper	**115.00**

Wire Stripper

KLEIN TOOLS

- For cutting, stripping and looping wire
- Strips 10 to 18 AWG solid wire



Order #	Mfg. #	Each
H25-935	11045	**37.49**

Long Nose All-Purpose Tool



- Crimps insulated and non-insulated connectors from 10 to 22 AWG
- Cutters for 4-40, 5-40, 6-32, 8-32, 10-32 and 10-24 bolts
- Strips gauges 10, 12, 14 and 16 solid wire

Order #	Mfg. #	Each
H25-934	1010	**65.00**

Long-Nose Wire Stripper/Crimper



- Reinforced head reduces flex keeping stripping holes true to size
- Cuts and strips 10 to 20 AWG solid wire and 12 to 22 AWG stranded wire
- Crimps insulated and non-insulated connectors from 10 to 22 AWG
- 7-3/4" overall length
- Not for use with steel wire

Order #	Mfg. #	Each
H28-516	1009-SEN	**55.00**

Wire Stripper/Cutters



- Strips solid wire and stranded wire
- Hardened steel with precision-ground stripping holes
- 8-32 and 6-32 screw-shearing holes

Order #	Mfg. #	Description	Each
H26-267	11055	10-18 Ga. Solid Wire, 12-20 Ga. Stranded Wire	**59.00**
H26-268	11057	20-30 Ga. Solid Wire, 22-32 Ga. Stranded Wire	**65.00**

Heavy-Duty Wire Stripper



- Forged steel for easy wire stripping, cutting, twisting and bolt shearing
- Precision ground stripping holes and knurled jaw for twisting up to 3 wires at a time
- Strips 8-18 AWG solid and 10-20 AWG stranded wire
- Cleanly shears 6-32 and 8-32 screws
- Induction hardened cutting knives for long life
- Hot-riveted joint ensures smooth action and no handle wobble

Order #	Mfg. #	Each
H28-482	K12065CR	**99.00**

All-Purpose Wiring Tool



- Crimps insulated and non-insulated terminals
- Strips 8 to 22 AWG solid wire and 10 to 26 AWG stranded wire
- Bolt cutter cuts 5 sizes: 4-40, 6-32, 8-32, 10-32 and 10-24

Order #	Mfg. #	Each
H24-098	1001	**85.00**

Self-Adjusting Wire Stripper/Cutter



- Stripping head adjusts to strip 10-20 AWG solid, 12-22 AWG stranded and 12/2 or 14/2 Romex®
- Adjustable stopper to control length of core strip
- Tensioning thumb screw allows for precise stripping of smaller gauge wire
- Convenient wire cutter in handle
- Grooved grips for added comfort

Order #	Mfg. #	Each
H27-609	11061	**69.00**

PowerLock Multi-Tool



- Exclusive gear-driven compound leverage
- One-handed flip opening and closing
- Removable comfort hand grips
- 100% stainless steel construction
- Includes pliers/grippers, wire cutter, blasting cap crimper, foldable 1/4" socket drive, spring-loaded scissors, partially serrated knife, Phillips screwdriver, small/medium/large screwdrivers, 3-sided file, bottle/can opener, double tooth saw, lanyard ring, awl, ruler and nylon pouch
- Lifetime warranty

Order #	Mfg. #	Each
H26-984	S62N-CP	**135.00**

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PowerAccess Multi-Tool

- Pocketable, streamlined, and comfortable
- Compound leverage provides smooth open and close with increased gripping power
- Outward-opening components are easily accessible with the multi-tool closed and lock securely
- Includes knife, can/bottle opener, two flat screwdrivers, jewelry driver and a 1/4" driver with hex bit kit
- Lifetime warranty



Order #	Mfg. #	Each
H28-746	PA1001-CP	**159.00**

PowerPint Multi-Tool

- Mini multi-tool with that delivers full-sized utility
- Equipped with 18 tools and a magnetic hex bit holder
- Compound leverage provides smooth open and close with increased gripping power
- 5" long and only 4.2 ounces
- Includes serrated blade, can opener, inch rule, needle nose pliers, bolt gripper, soft wire cutter, straight-edge blade, awl, jewelry driver, hook cutter, file, mm rule, magnetic bit holder, wire crimper, bevel gauge, scissors, bottle opener and #1 Phillips
- Lifetime warranty



Order #	Mfg. #	Each
H28-745	PP1001-CP	**115.00**

MacV Multi-Tool

- Compact pocket or keychain multi-tool
- Includes 1/4" hex bit driver, 1/4", 3/8" and 5/16" wrenches, bottle opener, carbide sharpener, cord cutter, small/large flat screwdrivers, Phillips screwdriver, nail puller and pry bar



Order #	Mfg. #	Each
H28-413	SM1001-CP	**29.49**

Tactical Tomahawk

- Ideal for excavation, obstacle removal, extraction and other utility applications.
- 420 stainless steel
- Glass-reinforced nylon handle
- Includes black ballistic nylon sheath
- Lifetime warranty



Order #	Mfg. #	Blade Length	Overall Length	Wt. Oz.	Each
H86-038	F01TN-CP	2.75"	15.75"	24	**105.00**

SlimJim Folding Knife

- Ultra-thin stainless steel handle design
- One hand easy opening with SOG Assisted Technology (S.A.T.)
- AUS 8 stainless steel
- Includes reversible low carry pocket clip
- Lifetime warranty



Order #	Mfg. #	Blade Length	Overall Length	Wt. Oz.	Each
H28-450	SJ31-CP	3.18"	7.4"	2.4	**99.00**

Escape Folding Knife

- Black steel with partially serrated blade
- One hand easy opening
- Integrated cutter in handle with extra blade storage, glass breaker and wire stripper
- Fixed pocket clip
- Black anodized aluminum handle
- Lifetime warranty



Order #	Mfg. #	Blade Length	Overall Length	Wt. Oz.	Each
H27-705	FF25-CP	3.4"	8.2"`	4.8	**105.00**

Twitch Series Folding Knives

- AUS 8 stainless steel
- Pass-through lock with "kick" used to open the blade
- Ambidextrous one-handed opening
- Money/pocket clip
- Lifetime warranty



Order #	Mfg. #	Description	Blade Length	Overall Length	Wt. Oz.	Each
H27-707	TWI17-CP	Twitch II w/Rosewood Handle	2.65"	6.2"	2.6	**125.00**
H27-708	TWI24-CP	Twitch XL w/Rosewood Handle	3.25"	7.5"	4.2	**159.00**

Terminus XR Folding Knife



- Evolved ergonomic shape with smooth XR locking mechanism
- CPM S35VN blade with lightweight G10 and carbon fiber handle
- Lifetime warranty

Order #	Mfg. #	Blade Length	Overall Length	Wt. Oz.	Each
H28-747	TM1025-BX	2.95"	7.21"	3.2	**225.00**

Kilowatt Folding Knife



- Built-in wire stripper for 10-22 AWG
- AUS 8 stainless steel
- Glass-reinforced nylon handle
- Lifetime warranty

Order #	Mfg. #	Blade Length	Overall Length	Wt. Oz.	Each
H27-706	EL01-CP	3.4"	7.5"	4.1	**95.00**

Instinct Knife



- Compact fixed blade knife
- Wear around neck with a lanyard or clip to a belt or boot
- Includes sheath with fully adjustable pocket clip
- Lifetime warranty

Order #	Mfg. #	Blade Length	Overall Length	Wt. Oz.	Each
H28-414	NB1012-CP	2.3"	5.9"	2.1	**79.00**

Field Knife



- Clip point 7CR17MOV stainless steel blade
- Soft thermoplastic rubber handle
- Includes GRN sheath with a belt clip with secondary attachment points
- Lifetime warranty

Order #	Mfg. #	Blade Length	Overall Length	Wt. Oz.	Each
H28-748	FK1001-CP	4"	8.5"	3.8	**89.00**

SEAL Pup Knife



- AUS 6 stainless steel
- Compact version of the original SEAL Knife 2000
- Partially serrated blade
- Contoured, reinforced Zytel handle
- Includes tactical nylon sheath
- Lifetime warranty

Order #	Mfg. #	Blade Length	Overall Length	Wt. Oz.	Each
H26-231	M37N-CP	4.75"	9"	5.4	**105.00**

Jungle Primitive Knife



- Partially serrated stainless steel blade
- Molded non-slip handle with Digi-Grip™
- Includes a nylon sheath with utility pouch
- Lifetime warranty

Order #	Mfg. #	Blade Length	Overall Length	Wt. Oz.	Each
H28-416	F03TN-CP	9.5"	15.3"	14	**105.00**

Folding Utility Knives

NEW



- Intuitive side-button release
- Driver blade locks open at 135° and 180°
- Tether hole at the back of the handle
- Ergonomic and comfortable handle
- **H29-099** includes a blade holder, 5 extra blades and slot on handle to cut straps

Order #	Mfg. #	Description	Each
H29-099	44304	Folding Utility Knife with Driver	**55.00**
H29-100	44303	Folding Utility Knife with Blade Storage	**38.49**

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Quick Acting CSST Cutter

RIDGID

- For quick and accurate cutting of corrugated gas tubing (CSST)
- Cuts CSST sizes 3/8" to 1" diameter
- Two sets of split-floating guide wheels ride in the corrugations to provide stable tracking and ensure a clean cut
- Ergonomic knob provides a firm grip to cut through tubing quickly
- Lifetime warranty



Order #	Mfg. #	Description	Each
H27-023	32078	151 Quick Acting CSST Cutter	**189.00**
H27-024	33190	E-4546 CSST Cutter Wheel	**24.49**

Ratcheting PVC Pipe and Tubing Cutters

RIDGID

- Cuts PVC, CPVC, PE, PEX, PB1 and rubber hose
- Makes clean burr-free cuts
- Durable aluminum construction for heavy duty use
- X-CEL™ quick change blade



Order #	Mfg. #	Description	Each
H27-787	30088	RC-2375 PVC Pipe and Tubing Cutter (up to 2-3/8")	**309.00**
H27-788	30093	RCB-2375 Replacement Blade	**99.00**
H28-720	23498	RC-1625 PVC Pipe and Tubing Cutter (1/8" to 1-5/8")	**185.00**
H28-721	27858	RC-1625 Replacement Blade	**59.00**

PVC Cutter

KLEIN TOOLS

- Cuts up to 3/4" PVC and 1-3/8" flexible plastic pipe
- Makes clean burr-free cuts
- Steel handle construction for added strength
- Reversible blade
- Handle latch keeps tool closed when not in use



Order #	Mfg. #	Description	Each
H26-923	50506SEN	PVC Cutter	**36.99**
H28-591	50549	Replacement Blade	**26.49**

One-Handed Ratcheting PVC and Tubing Cutter

GENERAL

- Cuts PVC, PE, PEX and ABS pipe
- All metal construction for greater durability
- Extended handles for added leverage
- Locking strap keeps blade concealed for safe storage
- Capacity: 1-5/8"



Order #	Mfg. #	Each
H27-490	1191	**65.00**

High Tension Hacksaw Frame

LENOX

- Unique lever tensions blade to 30,000 PSI, twice that of ordinary frames
- Mounts at 45° angle for flush cutting
- Use as jab saw or compass saw
- Stores spare 12" blades
- Heavy-duty cast aluminum handle



Order #	Mfg. #	Each
H24-083	12132HT50	**95.00**

Hacksaw Frame

LENOX

- All metal construction, including zinc-plated bar and cast aluminum handle
- Includes 12" bimetal hacksaw blade



Order #	Mfg. #	Each
H24-348	1213188300	**65.00**

Bimetal Hacksaw Blades

LENOX

- Tuff Tooth™ design cuts stronger, faster and longer
- Outlasts carbon steel blades up to ten times
- Flexible and virtually unbreakable

Order #	Mfg. #	Blade Length	Teeth/Inch	Each
H23-382	20144V218HE	12"	18	**49.99**
H23-383	20145V224HE	12"	24	**49.99**
H23-379	20146V232HE	12"	32	**49.99**

Folding Jab Saw



- 2-position blade locks at 125° for angled hard-to-reach cuts and fully extended for straight cuts
- Bi-directional tooth pattern cuts on the push and pull stroke
- Strong and sturdy lock-back design
- Over-molded gripping areas and flat butt end designed for striking

Order #	Mfg. #	Each
H28-561	31737	**55.00**

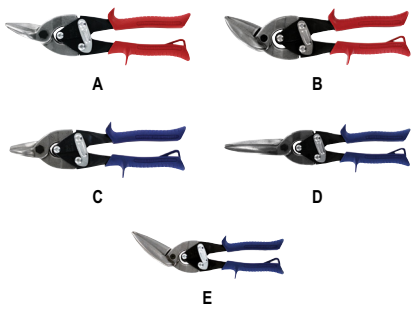
Jab Saw



- Hardened carbon steel blade cuts in both directions
- Cuts drywall, wallboard, plywood and plastic
- Comfort-cushion grip with thumb groove

Order #	Mfg. #	Each
H26-757	725	**44.49**

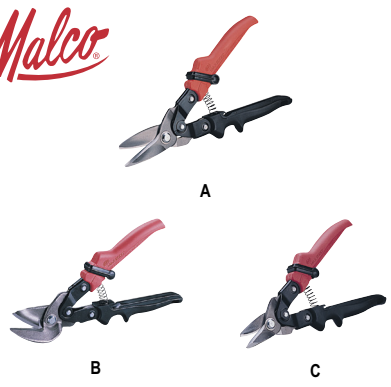
Aviation Snips



- Hot drop-forged molybdenum alloy steel blades
- Full length “Pinch-to-Point” cut
- Grade 8 adjustment pivot bolt
- Heavy vinyl handle grips
- Made in the USA

Fig.	Order #	Mfg. #	Cut Type	Cut Length	Capacity	Each
A	**H24-225**	MWT-6716L	Left	1-3/8”	18 Gauge	**69.00**
A	**H24-226**	MWT-6716R	Right	1-3/8”	18 Gauge	**69.00**
A	**H24-227**	MWT-6716S	Straight	1-1/2”	18 Gauge	**69.00**
B	**H24-508**	MWT-6510L	Offset Left	1-1/4”	18 Gauge	**75.00**
B	**H24-509**	MWT-6510R	Offset Right	1-1/4”	18 Gauge	**75.00**
C	**H25-822**	MWT-6716B	Bulldog Straight	7/8”	16 Gauge	**75.00**
D	**H25-821**	MWT-6716A	Long Cut Straight	3”	20 Gauge	**75.00**
E	**H27-232**	MWT-6516	Offset Long Cut Straight	3”	20 Gauge	**79.00**
E	**H26-413**	MWT-6900L	Upright Left	1-1/4”	24 Gauge	**75.00**
E	**H26-414**	MWT-6900R	Upright Right	1-1/4”	24 Gauge	**75.00**

Max 2000™ Aviation Snips



- Hardened alloy steel blades offer maximum cutting life
- Latch is accessible from left, right or top
- Fast adjusting, long life pivot bolt
- Easy replacement of springs
- Ergonomic non-slip handle design
- Ultra smooth corrosion resistant finish

Fig.	Order #	Mfg. #	Cut Type	Cut Length	Capacity	Each
A	**H25-963**	M2001	Left	1-3/8”	18 Gauge	**95.00**
A	**H25-964**	M2002	Right	1-3/8”	18 Gauge	**95.00**
A	**H25-965**	M2003	Straight	1-11/16”	18 Gauge	**95.00**
A	**H27-101**	M2004	Double Cut Straight	1-3/8”	22 Gauge	**175.00**
B	**H25-967**	M2006	Offset Left	1-1/4”	18 Gauge	**109.00**
B	**H25-968**	M2007	Offset Right	1-1/4”	18 Gauge	**109.00**
C	**H25-966**	M2005	Bulldog Straight	1-1/16”	16 Gauge	**95.00**

AVs Mini Aviation Snips



- Compact design for use in tight spaces
- Forged steel jaws with serrations on lower jaw
- Hardened steel-core handles
- Self-opening latch
- Ergonomic non-slip handle design

Order #	Mfg. #	Cut Type	Cut Length	Capacity	Each
H28-071	AVM6	Left	3/4”	24 Gauge	**43.49**
H28-072	AVM7	Right	3/4”	24 Gauge	**43.49**

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Ultra-Lightweight Combination Snips

- Strong lightweight polymer frame
- Easy-to-grasp, protective handle loops
- Designed for all weather conditions
- Replacement blades are easily installed on the job



Order #	Mfg. #	Description	Cut Length	Capacity	Each
H28-210	ULC10	10" Ultra-Lightweight Combo Snips	3"	26 Gauge	**89.00**
H28-211	MC12ARB	Replacement Blade	3"	26 Gauge	**55.00**

Combination Aluminum Snips

- For straight, left and right cuts
- Cuts circles down to a 6" diameter
- Strong lightweight aluminum frame
- Long life inlaid steel blades
- **H28-909** Sleek head design improves maneuverability



Order #	Mfg. #	Cut Length	Capacity	Length	Each
H25-346	MC12N	3"	24 Gauge	12"	**89.00**
H25-347	MC14N	3-1/4"	24 Gauge	14"	**115.00**
H28-909	MC12L	3"	24 Gauge	12"	**145.00**

Straight Aluminum Snips

- For straight shearing, mild curve cuts and multiple layers of material
- Strong lightweight aluminum frame
- Long life inlaid steel blades



Order #	Mfg. #	Cut Length	Capacity	Length	Each
H26-643	M12A	3"	24 Gauge	12"	**95.00**
H26-644	M14A	3-1/4"	24 Gauge	14"	**105.00**

HVAC Starter Kit

- Great starter kit for HVAC technicians
- REDLINE™ ergonomically contoured non-slip handles
- Includes C5R REDLINE pipe crimper, SL1R REDLINE snap lock punch, N1R REDLINE hand notcher, S2R REDLINE hand seamer, 12F folding tool, 18 divider, M2001 aviation snip (left cut), M2002 aviation snip (right cut), M14N 14" aluminum handled pattern snip, A1 7/32" scratch awl, SH3 setting hammer, DS2 offset duct stretcher, TS1 TurboShear, HC1 hole cutter, HW8x1/2ZG Zip-ins (100 pack), BT143X Bit-Tips (100 pack) and soft-side tool bag



Order #	Mfg. #	Each
H85-637	STKMR	**1445.00**

Sheet Metal Hole Cutters

- 20 gauge capacity
- Lightweight aluminum frame
- High speed bearings, top and bottom
- Installs on standard electric drill
- **H25-659** cuts 2" to 12" diameter; **H25-884** cuts 2" to 20" diameter



Order #	Mfg. #	Description	Each
H25-659	HC1	Original Hole Cutter (2" to 12" Diameter)	**185.00**
H25-884	HC2	Large Hole Cutter (2" to 20" Diameter)	**235.00**

Replacement Parts for Sheet Metal Hole Cutters

Order #	Mfg. #	Description	Each
H25-660	CB	Cutter Bit	**30.99**
H25-661	HC1B	Pivot Pin Set	**29.49**
H26-600	HC1D	Thrust Bearing	**59.00**

Order #	Mfg. #	Description	Each
H26-601	HC1E	Adjustment Sleeve with Screw	**21.99**
H26-603	HC1G	Shoe	**6.25**

Pocket Brake

- A portable sheet metal scoring tool that permits quick and precise, on the job, sheet metal fabrication
- Ergonomic ambidextrous design with twin metal scoring wheels provides a stable and accurate sheet metal scoring tool



Order #	Mfg. #	Each
H28-823	HPB1701	**149.00**

Hand Seamers



- REDLINE™ ergonomically contoured non-slip handles
- Makes permanent, tight-fitting seams
- Jaws are drop-forged, high impact steel
- Scaled depth marks on jaws are in 1/4" increments for precise depth bends
- Latch allows for easy open and close with one hand
- **H26-876** is for use overhead or in confined areas

Fig.	Order #	Mfg. #	Description	Each
A	**H26-875**	S2R	3-1/4" Hand Seamer	**149.00**
B	**H26-876**	S3R	3-1/4" Offset Hand Seamer	**165.00**
A	**H26-877**	S6R	6" Hand Seamer	**215.00**

Crimpers



- REDLINE™ ergonomically contoured non-slip handles
- Long, shallow crimps allow for a tighter fitting, more self supporting connection
- Latch allows for easy open and close with one hand
- **H26-878** is ideal for crimping heavy 24 to 22 gauge sheet metal
- **H26-880** is for use overhead or in confined areas

Fig.	Order #	Mfg. #	Description	Each
A	**H26-878**	SC3R	3-Blade Crimper	**109.00**
A	**H26-879**	C5R	5-Blade Crimper	**105.00**
B	**H26-880**	C6R	Offset 5-Blade Crimper	**139.00**

Snap Lock Punches



- REDLINE™ ergonomically contoured non-slip handles
- Joins sheet metal, duct and pipe sections
- Raises a louvered projection on metal edge for locking into rolled edge of sheet or piece to be joined
- Compound handle leverage for maximum ease of operation
- Heavy-forged steel cutting jaw
- Latch allows for easy open and close with one hand
- **H26-882** is not recommended for heavy gauge sheet metal

Order #	Mfg. #	Description	Depth	Each
H26-881	SL1R	Snap Lock Punch	3/8"	**159.00**
H26-882	SL2R	Adjustable Snap Lock Punch	1/4" to 5/8"	**125.00**

Hand Notchers



- REDLINE™ ergonomically contoured non-slip handles
- Hook design of cutting jaw facilitates notching to desired depth without slippage
- Latch allows for easy open and close with one hand
- **H26-883** makes a clean 30° V-shaped cut
- **H26-884** punches a large 1" deep V-notch in 24 to 30 gauge sheet metal

Order #	Mfg. #	Depth	Each
H26-883	N1R	13/16"	**149.00**
H26-884	N2R	1"	**159.00**

Scratch Awls



- Scribes lines on sheet metal, plastic and a variety of other materials
- 1/4" x 4" blade is tapered and can be resharpened many times
- Handle is shock and shatter-resistant

Order #	Mfg. #	Description	Length	Each
H26-025	A2	2-1/4" Stubby Handle	6-1/4"	**17.99**
H26-030	A20	3-3/4" Regular Handle	7-3/4"	**18.99**

Sheet Metal Scribe



- Places common trim lines on sheet metal quickly and accurately
- Dual-edged scribing points
- Creates clean, readable score lines parallel to edge of metal sheet
- Ten pre-set depths from 1/8" to 1"

Order #	Mfg. #	Each
H25-832	A40	**9.09**

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Adjustable Sheet Metal Scribe

- Measure, mark and scribe trim lines in one easy operation
- Adjustable from 1/4" to 12-1/2"
- No special point required — uses a standard 6 x 3/8" screw
- Rust resistant nickel plated steel construction



Order #	Mfg. #	Each
H26-885	A60	**46.99**

Dividers

- Scribes a thin, accurate line time after time
- Points are easily resharpenable or replaced
- Nickel-plated steel body



Order #	Mfg. #	Description	Length	Each
H24-859	18	32" Max Circle Diameter	11"	**42.99**
H85-508	24	42" Max Circle Diameter	13-1/2"	**55.00**

Trammel Point

- Expands to a 42" radius and creates an 84" diameter
- Minimum radius is 12"
- All steel construction
- Points are resharpenable
- Telescoping arms are nickel plated to resist corrosion
- Handle features a comfortable vinyl grip



Order #	Mfg. #	Each
H85-385	TR42	**89.00**

Tinners Circumference Rule

- 48" L x 1-1/4" W x 1/16" D



Order #	Mfg. #	Each
H93-079	48BS	**215.00**

Folding Tools

- Use to fold 24 to 30 gauge sheet metal
- Available in 3 lengths



Order #	Mfg. #	Depth	Length	Each
H25-171	12F	3/8" and 1"	12"	**40.99**
H25-170	18F	3/8" and 1"	18"	**59.00**
H26-567	24F	3/8" and 1"	24"	**85.00**

Offset Duct Stretcher

- Use stretcher to hold duct in place with one hand, while slipping drive cleats in place with other hand
- Additional spacing holes allow wheels to be adjusted
- Offset handle eliminates knuckle contact
- Anodized aluminum body with large vinyl cushion grip



Order #	Mfg. #	Each
H24-858	DS2	**79.00**

Locking Duct Stretcher

- Frees both hands to align and install drive cleats
- Tool locks on from either side of duct connection
- Large wheel clearance captures even misshapen flanges
- Tool can push, hammer and bend cleats as necessary
- Offset design keeps hands away from work



Order #	Mfg. #	Each
H25-831	DS3	**99.00**

Valve Action™ Liquid Paint Markers

LA-CO



Hazardous Material Shipping Alert

- Marking range: -50°F to +150°F
- Marks with real paint, dries in three minutes
- Marks on all surfaces
- Lead-free, low halogens
- Meets California VOC regulations

Order #	Mfg. #	Description	Each
H26-437	96822	Red Paint Marker	**15.99**
H26-438	96823	Black Paint Marker	**15.99**
H28-465	96820	White Paint Marker	**15.99**

INKZALL® Black Fine Point Markers

Milwaukee



- Clog resistant and durable marker tip writes on rough, dusty, wet and oily surfaces
- Ink dries in seconds
- Includes lanyard hole, anti-roll body design and built-in hard hat storage clip

Order #	Mfg. #	Description	Each
H28-076	48-22-3100	INKZALL Black Fine Point Marker	**2.49**
H28-077	48-22-3105	INKZALL Black Fine Point Marker (2-Pk.)	**5.79**
H28-402	48-22-3130	INKZALL Black Medium Chisel Point Marker	**5.79**

Flex Duct Cutters

Malco



- Double-edged knife blade cleanly pierces through outer skin, insulation and liner of flexible round duct
- Blade cuts both directions, from any angle and around entire duct circumference
- Duct´s exposed wire rib coil can be snipped in the jaws of the built-in wire cutter
- Non-slip vinyl grips with hand stops
- **H27-227** includes a tie tensioning mechanism to easily install nylon tie straps without the need for a separate tensioning tool

Order #	Mfg. #	Desription	Each
H25-217	FDC1	Flex Duct Cutter	**125.00**
H27-227	FDC3	Flex Duct Cutter with Tensioning Tool	**215.00**

Flex Duct Shear

Malco



- Cuts insulated flexible round duct and duct wire rib coil
- Heavy-duty wire cutter is located away from scissor blades
- Thumb operated latch ensures sharpened blade edges stay closed when not in use
- Non-slip vinyl grips with hand stops

Order #	Mfg. #	Each
H26-034	FDC2	**145.00**

Pipe and Duct Holder

Malco



- Holds duct in place, either between or under joists until properly secured
- Holders also open wide and clamp securely for use on engineered wood joists
- Includes pair of clamps and 4' of 125 lb. tensile strength linked chain — all nickel plated steel

Order #	Mfg. #	Each
H26-598	2DH	**105.00**

Tensioning Tools

Malco



A



B

- Attaches nylon ties to flex duct and sheet metal take-offs
- Works on all ties including thin designs
- Comfortable cushion grip handles
- **H24-583** requires manual cut-off
- **H26-011** is adjustable with auto cut-off

Fig.	Order #	Mfg. #	Description	Each
A	**H24-583**	TY4G	Tensioning Tool	**115.00**
B	**H26-011**	TY6	High Leverage Tensioning Tool	**149.00**

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Serrated Duct Knife

- Double-edged knife with regular and serrated edges
- 6” blade cuts duct board and flexible duct
- Cushion grip handle for comfort
- Includes nylon sheath with belt loop



Order #	Mfg. #	Each
H26-642	DK6S	**43.49**

Serrated Duct Knife

- Double-edged knife with regular and serrated edges
- 5-1/2” blade cuts duct board and flexible duct
- Cushion grip handle for comfort
- Includes nylon sheath with belt loop



Order #	Mfg. #	Each
H27-088	DK06	**46.99**

24 Gauge Pittsburgh Roll Former

- On the job site or in the shop, this portable little roll former is a workhorse for 24 gauge and lighter material
- Includes power flanging attachment and stand
- 1 year warranty

Specifications:

- Capacity: 24 gauge mild steel
- Motor: 1/2 HP, 1700 RPM, 115V, single-phase, 60 Hz
- Depth of pocket: approx. 5/16” with hammer edge of 3/8”
- Speed: approx. 35 FPM
- Flange height: 3/16”
- Dimensions roll former: 30” L x 14” W x 20” H
- Dimensions stand: 35” L x 14” W x 24” H

Note: When shipping, roll former will fit inside stand. (Shipping weight is 305 lbs. and shipping dimensions are 41” L x 25” W x 30” H.)



Order #	Mfg. #	Description	Each
H93-112	TK24PITTS	Pittsburgh Roll Former with Flange	**7899.00**
H93-202	TK24PITTSWO	Pittsburgh Roll Former without Flange	**6599.00**

20 Gauge Pittsburgh Roll Former

- Five station roll former for 20 to 26 gauge steel
- Choose from two models — drive cleat or acme rolls on the outbound side
- 1 year warranty

Specifications:

- Capacity: 20–26 gauge
- Pocket: 5/16”
- Material used: approx. 1”
- Shipping weight: 360 lbs.
- Shipping dimensions: 42” L x 24” W x 44” H



Order #	Mfg. #	Description	Each
H93-150	TK20PITTS	20 Ga. Pitts Roll Former w/Drive Cleat	**11500.00**
H93-151	TK20PITTSA	20 Ga. Pitts Roll Former w/Acme Rolls	**11500.00**
H85-584	TKATTACH20	20 Ga. Flanging Attachment	**2199.00**

20 Gauge Button Lock Roll Former

- Nine station button lock roll former eliminates hammering of edges
- Fast and effective way of marrying 20 to 26 gauge duct sections
- Male tooling one side and female on the opposing side
- 1 year warranty

Specifications:

- Capacity: 20–26 gauge
- Motor: 3 HP, 230V, three-phase, 60 Hz
- Speed: (approx.) 60 FPM
- Shipping weight: 820 lbs.
- Shipping dimensions: 62” L x 30” W x 45” H



Order #	Mfg. #	Each
H93-133	TKBL3HP	**19900.00**

S&Drive Roll Former with Slitter and Pitts Rolls

- Turns scrap metal into usable drives
- S&Drive slitter to cut blanks and make cleats in one pass
- S cleat rolls down center
- Drive cleat roll outboard on one side
- 20 gauge Pittsburgh outboard opposite of drive cleat
- 1 year warranty

Specifications:

- Capacity: 20–28 gauge for S cleat (1-1/16” cleat width), 20–26 gauge for drive cleat (1-1/8” width)
- Motor: 5 HP, 230V, three-phase, 60Hz
- Speed: (approx.) 90 FPM
- Shipping weight: 890 lbs.
- Shipping dimensions: 69” L x 29” W x 49” H



Order #	Mfg. #	Each
H93-134	TKS&DPLUS	**22500.00**

Tin Knocker SHEET METAL WORKING MACHINERY

Fourplex Cleat Formers



- Truly a multi-functional machine, the Tin Knocker Fourplex represents value and flexibility
- Configured with S and Drive down the center
- Choice of male and female button lock or 3-in-1 and Pittsburgh rolls
- Includes S & Drive Slitter to turn scrap into useful product
- 1 year warranty

Specifications:
- Motor: 5 HP (1800 RPM) 230V, three-phase or single-phase, 60 Hz
- S cleat width: 1-1/16”
- Drive cleat width: 1-1/18”
- Approx. speed: 100 FPM
- Ship weight (approx.): 1,170 lbs.
- Ship dimensions: 68” L x 32” W x 48” H

Order #	Mfg. #	Description	Each
H93-114	TKFOURPLEXBL3	Fourplex Cleat Former w/Button Lock Rolls, 3-Phase	**37500.00**
H93-115	TKFOURPLEXBL1	Fourplex Cleat Former w/Button Lock Rolls, Single-Phase	**38900.00**
H93-116	TKFOURPLEXPT3	Fourplex Cleat Former w/Pittsburgh & 3-in-1 Rolls, 3-Phase	**37500.00**
H93-117	TKFOURPLEXPT1	Fourplex Cleat Former w/Pittsburgh & 3-in-1 Rolls, Single-Phase	**38900.00**

Tin Knocker SHEET METAL WORKING MACHINERY

1660 Duct Beader



- Heavy-duty beader includes five sets of bead tooling
- Produce SMACNA approved beads in a fraction of the time it takes to cross brake
- Beads are adjustable in depth to 3/16” deep
- Exit support roll is powered to reduce material hang up
- 1 year warranty

Specifications:
- Capacity: 16 gauge mild steel (galvanized) x 60”
- Motor: 1 HP, 115V, single-phase, 60Hz
- Shipping weight: 1,750 lbs.
- Shipping dimensions: 80” L x 48” W x 54” H

Order #	Mfg. #	Each
H93-135	TKBEADER	**19900.00**

Tin Knocker SHEET METAL WORKING MACHINERY

Box and Pan Brakes



- All steel welded construction, with adjustable truss bars and bronze bushings
- Includes removable apron angle and apron insert, permitting .25” reverse bends in lighter materials
- Nose bar is removable and the brakes are equipped with a precise stop rod for repeat bends
- Shown with optional, all steel stand
- 1 year warranty

Specifications:
- Bend length: 48”
- Maximum beam lift: 7/8” (**H93-108**), 1-1/4” (**H93-110**)
- Maximum box depth: 3” (**H93-108**), 4” (**H93-110**)
- Minimum reverse bend: 5/16” (**H93-108**), 1/4” (**H93-110**)
- Minimum flange: 3/8” (**H93-108**), 1” (**H93-110**)
- Front to rear beam: 1/4” (**H93-108**), 5/8” (**H93-110**)
- Finger width: 2”, 3” and 4”
- Capacity: 22 gauge (**H93-108**), 16 gauge (**H93-110**)
- Dimensions: 60” L x 24” W x 30” H
- Shipping weight: 282 lbs. (**H93-108**), 493 lbs. (**H93-110**)

Order #	Mfg. #	Description	Each
H93-108	TKB&P2248	2248 Box and Pan Brake	**2799.00**
H93-109	TKB&P2248S	2248 Brake Stand	**435.00**

Order #	Mfg. #	Description	Each
H93-110	TKB&P1648	1648 Box and Pan Brake	**4345.00**
H93-111	TKB&P1648S	1648 Brake Stand	**435.00**

Tin Knocker SHEET METAL WORKING MACHINERY

Straight Brakes



- Rugged, industrial quality brakes
- Perfect for bending, hemming and cross braking
- **H93-136** is a portable model with folding legs
- **H93-138** and **H93-139** feature a spring steel nose bar
- 1 year warranty

Specifications:
- Box depth: 2” (three sides)
- Beam lift: 1” (**H93-136**), 1-1/4” (**H93-137**), 2-1/4” (**H93-138** and **H93-139**)
- Shipping weight: 350 lbs. (**H93-136**), 450 lbs. (**H93-137**), 2,480 lbs. (**H93-138**), 3,000 lbs. (**H93-139**)

Order #	Mfg. #	Description	Each
H93-136	TK422	4’ x 22 Ga. Portable Straight Brake	**2799.00**
H93-137	TK622	6’ x 22 Ga. Straight Brake	**4345.00**

Order #	Mfg. #	Description	Each
H93-138	TK816	8’ x 16 Ga. Straight Brake	**12900.00**
H93-139	TK1016	10’ x 16 Ga. Straight Brake	**17900.00**

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No. 30 Bar Folder

Tin Knocker SHEET METAL WORKING MACHINERY

- One motion clamp and fold to desired angle
- Easy to adjust internal back gauge allows for quick flange width selection
- 1 year warranty

Specifications:
- Capacity: 22 gauge mild steel
- Max. bend length: 30”
- Flange width range: 1/8”–1”
- Shipping weight: 334 lbs.
- Shipping dimensions: 48” L x 20” W x 34” H



Order #	Mfg. #	Description	Each
H93-140	TKBARFOLD	No. 30 Bar Folder	**8599.00**
H93-141	TKBARFOLDS	No. 30 Bar Folder Stand	**435.00**

No. 30 Cleat Bender

Tin Knocker SHEET METAL WORKING MACHINERY

- Quickly forms uniform drive cleat edges on rectangular duct with no required set up or adjustment
- The upper handle forms the cleat and the lower handle opens the work space for easy removal of the metal
- Heavy cast iron and steel fabrication, this machine is built to last
- Shown with optional stand
- 1 year warranty

Specifications:
- Capacity: 20 gauge mild steel
- Bend length: 30”
- Cleat depth: 1/2”
- Shipping weight: 126 lbs.
- Shipping dimensions: 38” L x 10” W x 11.5” H



Order #	Mfg. #	Description	Each
H93-106	TKCLEAT	Cleat Bender	**2245.00**
H93-107	TKCLEATS	Cleat Bender Stand	**435.00**

No. 24 Cheek Bender

Tin Knocker SHEET METAL WORKING MACHINERY

- Rugged, two-sided bender
- Adjusts for 1/4” to 7/8” bends
- Consistent bends due to two-way trunnion keeping the bending apron in position
- 1 year warranty

Specifications:
- Capacity: 22 gauge mild steel x 24”
- Shipping weight: 96 lbs.
- Shipping dimensions: 40” L x 12” W x 10” H



Order #	Mfg. #	Description	Each
H93-142	TKCHEEK	No. 24 Cheek Bender	**2145.00**
H93-143	TKCHEEKS	No. 24 Cheek Bender Stand	**435.00**

Manual Flanger

Tin Knocker SHEET METAL WORKING MACHINERY

- Puts 7/32” flange on elbows and other radius fittings
- Bench mounted, there is no gauge to set, and requires no special tools
- 1 year warranty

Specifications:
- Capacity: 20 gauge x 7/32”
- Minimum radius: 1-3/4”
- Shipping weight: 35 lbs.
- Dimensions: 10” L x 5” W x 24” H



Order #	Mfg. #	Each
H85-479	TKFLANGER	**1899.00**

24 Gauge Crimper-Beader

Tin Knocker SHEET METAL WORKING MACHINERY

- Crimp and bead in one pass of the metal
- Comes with ogee bead, crimping tool, depth gauge and base
- 1 year warranty

Specifications:
- Capacity: 24 gauge mild steel
- Pedestal stand included
- Shipping weight: 35 lbs.



Order #	Mfg. #	Each
H85-478	TKCRIMP	**1999.00**

Slitters



- Sturdy 24” throat slitters with quick adjusting back gauge and scale
- Shown with optional stand
- 1 year warranty

Specifications:
- Throat size: 24”
- Slitting width: 1-1/4” minimum, 24-1/4” maximum
- Capacity: 20 gauge (**H93-119**), 16 gauge (**H93-121**)
- Speed: 90 FPM
- Motor: 1/2 HP (**H93-119**), 3/4 HP (**H93-121**)
- Dimensions: 42” L x 18” W x 22” H (**H93-119**), 46” L x 19” W x 30” H (**H93-121**)
- Shipping weight: 300 lbs. (**H93-119**), 485 lbs. (**H93-121**)

Order #	Mfg. #	Description	Each
H93-119	TKSLIT2024	20 Ga. Slitter	**7245.00**
H93-120	TKSLIT2024S	20 Ga. Slitter Stand	**435.00**

Order #	Mfg. #	Description	Each
H93-121	TKSLIT1624	16 Ga. Slitter	**8345.00**
H93-122	TLSLIT1624S	16 Ga. Slitter Stand	**435.00**

1652 Shear



- Precise gauging and beefy hold downs for shearing accuracy
- Includes 25” scaled back gauge
- 1 year warranty

Specifications:
- Capacity: 16 gauge mild steel
- Shearing length: 52”
- Floor space: 60” x 72”
- Back gauge: 25” with engraved rule
- Shipping weight: 1,215 lbs.
- Dimensions: 60” L x 34” W x 42” H

Order #	Mfg. #	Each
H93-118	TKSHEAR	**8599.00**

2236 Manual Slip Rolls



- Precision machined and ground from high carbon steel
- 2” diameter rolls feature wiring grooves, enclosed gear box and slip roll lift lever
- 1 year warranty

Specifications:
- Capacity: 22 gauge mild steel x 36”
- Shipping weight: 267 lbs.
- Shipping dimensions: 60” L x 22” W x 24” H

Order #	Mfg. #	Description	Each
H93-144	TK3ROLL	2236 36” Manual Slip Rolls	**3045.00**
H93-145	TK3ROLLS	2236 Manual Slip Rolls Stand	**435.00**

Portable Mini Brake™ and Optional Leg Set



- Accommodates sheet metal up to 4’ wide, in any length
- Dual-direction, cam-over style clamps keep anvil secure in any position
- Makes bends to 135° in galvanized sheet metal up to 22 gauge
- Ideal for fabricating plenums or large transitions at job site
- Adjustable strengthening ribs assure uniform bends

Order #	Mfg. #	Description	Each
H93-082	MB48A	Mini Brake	**1199.00**
H93-083	MBL	Mini Brake Leg Kit	**275.00**

Pan Style Mini-Brake™



- Fabricate drip pans, register boxes, complex corners and larger transitions or plenums at the jobsite
- Accommodates sheet metal up to 48” wide
- Makes bends to 135° bends in galvanized steel up 22 gauge
- Weighs less than 100 pounds for 1 or 2 person transport
- Use on a workbench, tailgate or with optional **H29-083** leg kit

Order #	Mfg. #	Each
H93-190	MB48B	**2499.00**

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Outward Clinching Staple Gun

ARROW

- For fastening insulation around pipes and duct work



Order #	Mfg. #	Each
H25-435	540-T50MOC	**155.00**

Replacement Staples

ARROW

- For use with Arrow staple guns and most competitive brands

Order #	Mfg. #	Description	Pkg. Qty.	Each
H23-904	540-506	3/8"/10mm Staples	1,250	**11.49**
H23-905	540-508	1/2"/12mm Staples	1,250	**11.99**
H27-692	540-509	9/16"/14mm Staples	1,250	**13.49**

Economy Hand Riveter

Malco

- Lightweight, compact size and slim nose projection
- Interchangeable nose pieces for sizes 3/32", 1/8", 5/32", and 3/16"
- Not for use with 5/32" or 3/16" steel rivets
- Steel construction, black finish, secure handle latch and contour grip handle



Order #	Mfg. #	Each
H27-492	CR18	**99.00**

2-in-1 Riveter

Malco

- 2-in-1 adjustment features long stroke for most hand riveting applications and short "ratchet action" power stroke for setting larger diameter rivets
- Interchangeable nose pieces for sizes 1/8", 5/32", and 3/16"
- Heavy duty steel construction, nickel-chrome plating and red vinyl cushion grip handle for comfort



Order #	Mfg. #	Each
H27-493	2N1	**235.00**

Button Head Rivets

Malco

- 1,000 rivets per tub



Order #	Mfg. #	Type	Use Drill Size	Diam.	Range	Each
H27-494	SS42DT	Steel	#30	1/8"	1/16" to 1/8"	**95.00**
H27-495	SS44DT	Steel	#30	1/8"	3/16" to 1/4"	**99.00**
H27-496	AA42DT	Aluminum	#30	1/8"	1/16" to 1/8"	**105.00**
H27-497	AA44DT	Aluminum	#30	1/8"	3/16" to 1/4"	**115.00**

Tight Taper

Supco

- Easily apply foil tape and rolled mastic on seams in HVAC units and ductwork in hard-to-reach applications
- Non-slip silicone ends help to easily release tape and smooth evenly without tears or snags
- Magnet inside handle for storage
- Includes inch and centimeter marks for measuring

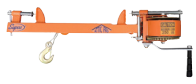


Order #	Mfg. #	Each
H86-196	TT100	**75.00**

Attic Pro® Utility Lift

Supco

- Adjustable from 14" to 24"
- 20' cable length
- Integrated locking hook
- Sturdy steel construction
- Lifts up to 250 lbs.
- Includes equipment strap and carrying case



Order #	Mfg. #	Each
H85-894	ATP1	**409.00**

One Trip Hook



- Easily Lift equipment and tools though rooftop hatch
- Save time without multiple trips up ladder
- One person can do work of 2-man team
- Includes control rope (load rope not included)

Order #	Mfg. #	Each
H28-259	OTH-1	**79.00**

Ultimate Puller



- Removes various sizes of fan blades and blower wheels
- Both pushing and pulling force
- Hardened steel hooks and screws won't flatten with use

Order #	Mfg. #	Each
H85-404	UP-1	**145.00**

Fan Blade Pullers



- Heavy-duty jaws
- Removes fan blades and blower wheels from rusty shafts

Order #	Mfg. #	Description	Capacity	Each
H24-801	A89000	Heavy-Duty Machined	—	**225.00**
H25-230	053804-01	Solid Stock Aluminum	75 ft lbs	**255.00**

Blower Wheel Puller



- 6" barrel will work on shafts up to 5-1/2" long
- Wide mouth hub lock will work on hubs up to 2" diameter
- Square head bolts on hub lock and hardened push bolt

Order #	Mfg. #	Each
H24-948	KIT-256	**465.00**

Gear Pulley Removers



- Remove hard to reach gears and pulleys
- 2 to 3 removabe jaws
- Inward or outward gripping positions

Order #	Mfg. #	Capacity	Max. Reach	Max. Spread	Each
H28-920	BTLGP4	10 Ton	4"	4"	**145.00**
H28-921	BTLGP7	20 Ton	7"	7"	**269.00**

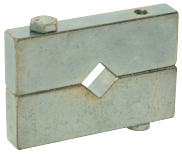
Hub Blaster Fan Blade/Hub Puller Kit



- Kit has all parts necessary to remove blower wheel from shaft adapters 1" to 1-5/8" O.D.
- Custom molded plastic carrying case
- Will work on some taller shafts
- Works for any HVAC motor replacement
- Made from high carbon steel

Order #	Mfg. #	Each
H28-791	HB100	**425.00**

Shaft Locking Tool



- Made of 1/2" thick steel, it locks on motor shaft beneath hub of propeller-type fan blade, providing a pry point for prying off blade
- Complete with instructions

Order #	Mfg. #	Description	Each
H24-958	KIT-257	Locking Tool	**149.00**

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Fan Blade Pitch Gauge

- Tool to help determine pitch on blade before replacing



Order #	Mfg. #	Each
H24-850	PG5099801	**79.00**

Screw Extractor Sets

- 8 points of contact with broken bolt
- Cutting edges for non-slip engagement
- Center point for centering drill hole
- **H27-744** includes sizes 1 to 5, **H28-106** includes sizes 1 to 3



Order #	Mfg. #	Description	Each
H28-106	9R4719033	3-Piece Screw Extractor Set	**65.00**
H27-744	9R4719003	5-Piece Screw Extractor Set	**129.00**

Pin Extractor Tool

- Easy removal of Molex and AMP pins for reinsertion into correct location
- Eliminates the need to cut, strip, splice or use wire nuts
- Perfect for ignitors and other replacement parts that come with the wrong connector type



Order #	Mfg. #	Each
H28-008	PE44	**35.99**

Sight Glass Removal Tool

- Extension slides into outer slots on 1" Copeland compressor sight glasses
- Once inserted use wrench or socket to remove the threaded sight glass
- Made of heavy-duty carbon steel



Order #	Mfg. #	Each
H28-016	SGRT	**49.49**

Cordless Precision Engraver

- Strong diamond tip bit for marking tools and other valuables
- Use on metal, plastic, ceramic or glass surfaces
- Includes 2 AAA batteries



Order #	Mfg. #	Each
H27-207	505	**44.49**

Forged Steel Fork

- Has tines 11/16" apart for prying off pulleys, fan blades, etc. from any motor shaft 5/8" diameter or smaller
- 16" length provides maximum leverage



Order #	Mfg. #	Each
H24-959	KIT-258	**215.00**

Board Pin Removal Tool

- Remove PCB's from standoffs
- Dual sided
- Precision Machined
- Two most common standoff sizes



Order #	Mfg. #	Each
H28-683	BRT10	**29.99**

Hammers



- 1-piece forged, I-beam construction
- Full-polished heads with beveled face and peen are corrosion resistant
- Sections are individually hardened and tempered for strength and resiliency

Order #	Mfg. #	Description	Each
H25-169	RH4	Riveting Hammer with Leather Grip	**165.00**
H25-168	SH3	Setting Hammer with Leather Grip	**159.00**
H27-500	SH3V	Setting Hammer with Vinyl Grip	**149.00**

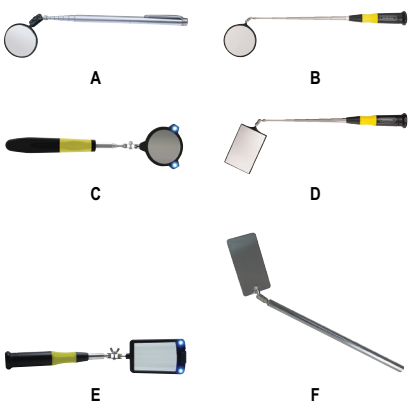
Hammers



- Fiberglass core for shock absorption
- Manufactured with forged steel
- Non-slip grip
- Hang hole for tethering and storage
- **H28-880** features claw pulling NM-B (Romex®) staple removal design

Order #	Mfg. #	Description	Length	Each
H28-879	H80816	16 Oz. Straight Claw	13”	**65.00**
H28-880	H80718	18 Oz. Straight Claw	15”	**65.00**
H28-881	H80332	32 Oz. Ball-Peen	15”	**75.00**

Inspection Mirrors



- Double ball joints adjust to any angle
- Glass mirror on **H27-091**, **H27-094** and **H27-487** acrylic mirror on **H27-092**, Lexan™ mirror on **H27-093** and metal mirror on **H27-095**
- **H27-092**, **H27-093** and **H27-094** have a Versa-Grip™ handle for comfort and control
- **H27-091** extends to 27-1/2”, **H27-092** extends to 29”, **H27-093** extends to 30”, **H27-487** and **H27-094** extend to 33”, **H27-095** extends to 26”

Fig.	Order #	Mfg. #	Description	Each
A	**H27-091**	70555	1-3/8” Round Telescoping Inspection Mirror	**16.49**
B	**H27-092**	759563	2-1/2” Round Telescoping Inspection Mirror w/ 3x Magnification	**37.99**
C	**H27-487**	80557	2” Round Telescoping Inspection Mirror w/ LED Lights	**38.99**
D	**H27-093**	759570	2” x 3” Rectangular Telescoping Inspection Mirror	**34.99**
E	**H27-094**	80560	2” x 3” Rectangular Telescoping Inspection Mirror w/ LED Lights	**38.99**
F	**H27-095**	5562	2” x 3-3/4” Rectangular Telescoping Metal Flame Inspection Mirror	**34.99**

Telescoping Magnetic Pick-Up Tool



- For retrieving steel and iron parts from hard-to-reach areas
- Stainless steel wand extends up to 23-1/2”
- 2 lb. pull

Order #	Mfg. #	Each
H27-096	383NX	**23.99**

Lighted Mechanical Pick-Up Tool



- Easily retrieve items from hard-to-reach areas
- 24” LED illuminates area when retrieval claw is used
- Flexible shaft to avoid obstacles

Order #	Mfg. #	Each
H27-205	70396	**31.49**

Wireless Borescope



- Transmits and displays video and images directly to your smart device up to 30’ away with 640 x 480 resolution
- Waterproof 9mm camera has 6 on-board adjustable LED lights
- Tough, armored 6’ long waterproof camera gooseneck
- Klein borescope app is available for iPhone and Android for displaying, storing and sharing images/videos via text or email
- Includes pocket clip, USB charging cable, hook attachment and carrying case

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Each
H28-639	ET20	**249.00**

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Micro CA-25 Inspection Camera

RIDGID

- Easily perform visual inspections in hard-to-reach areas
- 2.4" high resolution color LCD (234 x 480 resolution)
- 17mm aluminum camera head diameter with 4 adjustable LEDs
- Cable reach of 3'
- Camera head and cable waterproof up to 10'
- RCA video output (cable included)
- Powered by 4 AA batteries (included)



Order #	Mfg. #	Each
H27-401	40043	**385.00**

Micro CA-150 Inspection Camera

RIDGID

- Easily perform visual inspections in hard-to-reach areas
- Capture up to 20 still images to playback on screen later
- 3.5" color LCD (320 x 240 resolution)
- 17mm aluminum camera head with 4 adjustable LEDs
- Cable reach of 3' (expandable to 30' with optional extensions)
- Camera and cable are waterproof up to 10'
- Powered by 4 AA batteries (included)
- Includes mirror, hook and magnet attachments



Order #	Mfg. #	Each
H86-021	36848	**659.00**

Micro CA-350 Inspection Camera

RIDGID

- Easily perform visual inspections in hard-to-reach areas
- Record images and video (8GB SD card included)
- 3.5" color LCD display (640 x 480 resolution)
- 17mm aluminum camera head with 4 adjustable LEDs
- Cable reach of 3' (expandable to 30' with optional extensions)
- RCA video output (cable included)
- Includes rechargeable lithium battery, charger, AC adapter, headset with microphone, USB cable, mirror, hook and magnet accessories

Warning: This product contains lithium batteries and cannot be shipped by air



Hazardous Material Shipping Alert

Order #	Mfg. #	Each
H86-022	55898	**1499.00**

Inspection Camera Accessories

RIDGID

Order #	Mfg. #	Description	Each
H26-763	37108	3' Cable Extension (for CA-100, CA-150, CA-300 and CA-350)	**165.00**
H26-764	37113	6' Cable Extension (for CA-100, CA-150, CA-300 and CA-350)	**295.00**
H27-025	37103	Replacement Camera Head & Cable (for CA-100, CA-150, CA-300 and CA-350)	**269.00**

Pocket Level

Malco

- Strong molded plastic frame with chrome pocket clip
- Multi-view vial reads top, bottom or side
- Ideal for leveling thermostats



Order #	Mfg. #	Each
H24-932	L5	**20.49**

Magnetic Torpedo Level

GENERAL

- Accurate 9" quality-crafted with large reversible easy-reading vials
- Heat-resistant, unbreakable endplates and internal aluminum frame
- V-grooved edge for pipe and conduit work



Order #	Mfg. #	Each
H23-907	839	**59.00**

Magnetic Tape Measure

KLEIN TOOLS

- Magnetic double-hook
- 13' standout
- Double-sided printing
- Impact resistant housing
- Metal belt clip



Order #	Mfg. #	Blade Length	Blade Width	Each
H28-977	9225	25'	1"	**75.00**

Magnetic Tape Measure



- Magnetic tipped tape measure with cushioned blade stop
- Abrasion-resistant nylon coated blade
- Impact-resistant, rubber-clad housing

Order #	Mfg. #	Blade Length	Blade Width	Each
H26-597	T425M	25'	1"	**55.00**

Fractional Scale Vernier Caliper



- Metric and English Vernier Caliper with vernier reading of 1/128" (1mm)
- Economical steel vernier calipers have 5" capacity
- Friction roller adjustment
- Slide lock for gauging
- Inside and outside jaws and full-length depth gauge

Order #	Mfg. #	Each
H24-296	722	**31.99**

Digital Fractional Calipers



- 3 mode digital display shows decimal inches, fractional inches and millimeters
- Inside, outside, depth and step measurements
- Accuracy of +/- 0.001" (0.02mm)

Order #	Mfg. #	Description	Each
H27-203	147	6" Stainless Steel Caliper	**115.00**
H27-204	1433	3" Carbon Fiber Caliper	**47.99**

Nano Light® LED Flashlight



- 100,000-hour LED
- 10 lumen output, up to 8 hours runtime
- Includes pocket clip and key ring
- Powered by 4 LR41 button cell batteries (included)

Order #	Mfg. #	Description	Each
G34-934	73001	Black Nano Light	**19.49**

MicroStream® LED Penlight



- 30,000-hour C4® LED technology
- 45 lumen output, up to 2.25 hours runtime
- Includes removable pocket/hat clip
- Powered by 1 AAA battery (included)

Order #	Mfg. #	Each
G36-465	66318	**55.00**

MicroStream® Rechargeable LED Flashlight



- 30,000 hour C4® LED technology
- 2 modes: high (250 lumens), low (50 lumens), 1.5-hour runtime (high), 3.5-hour runtime (low)
- IPX4 water resistant
- Includes USB cord and removable pocket/ hat clip
- Lithium battery fully charges in approximately 4 hours

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Each
G38-069	66609	**95.00**

Stylus Pro® LED Flashlight



- 50,000-hour LED
- 90 lumen output, up to 6 hours runtime
- Water-resistant, machined aluminum body
- Includes nylon holster
- Powered by 2 AAA batteries (included)

Order #	Mfg. #	Each
G34-933	66118	**65.00**

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Stylus Pro® USB Rechargeable LED Penlight

- 30,000-hour C4® LED technology
- 90 lumens output, up to 3.5-hour runtime
- Micro USB charge port
- Includes removable pocket clip, nylon holster, USB cord and AC adapter
- IPX4 water resistant

Warning: This product contains lithium batteries and cannot be shipped by air



Hazardous Material Shipping Alert

Order #	Mfg. #	Each
G37-466	66133	**155.00**

Stylus® and Stylus Reach® LED Penlights

- 100,000-hour LED
- 11 lumen output, up to 24 hours runtime
- Momentary "blink" or "constant on" switching
- Waterproof
- Powered by 3 AAAA batteries (included)
- **G32-707** has 7" flexible, insulated cable extension for 14" of reach



A B

Fig.	Order #	Mfg. #	Description	Each
A	**G32-704**	65035	Red Stylus	**45.49**
B	**G32-707**	65618	Black Stylus Reach	**65.00**

Jr.® LED Flashlight

- 50,000-hour LED
- 140 lumen output, up to 5 hours runtime
- Tail switch for one hand operation
- Water-resistant
- Machined aluminum with anodized finish and unbreakable polycarbonate lens
- Powered by 2 AA batteries (included)



Order #	Mfg. #	Each
G32-810	71500	**105.00**

Jr. F-Stop® LED Flashlight

- Slide lens forward to transition from flood to spot mode
- 2 modes: spot (220 lumens), Flood (250 lumens), 6-hour runtime (alkaline), 10-hour runtime (lithium)
- Machined aluminum with anodized finish and unbreakable polycarbonate lens
- IPX4 water resistant
- Powered by 2 AA batteries (included)



Order #	Mfg. #	Each
G38-070	71700	**105.00**

Dualie® Dual Beam LED Flashlights

- 50,000-hour C4® LED technology
- **G37-464** features dual push-button switches for spot beam, downward flood beam or both simultaneously, 140 lumens each with up to 18-hour runtime (9-hour runtime when using both beams)
- **G37-465** features dual push-button switches for spot beam, laser pointer or both simultaneously, LED has 150 lumens with 17-hour runtime and laser has 70-hour runtime (12-hour runtime when using both)
- Integrated snag-free belt clip
- Intrinsically safe and IPX7 waterproof
- Powered by 3 AA batteries (included)



Order #	Mfg. #	Description	Each
G37-464	68750	Dualie LED Flashlight	**99.00**
G37-465	68760	Dualie LED/Laser Pointer Flashlight	**135.00**

Macrostream® Rechargeable LED Flashlight

- High (500 lumens) and low mode (50 lumens)
- Up to 2-hour runtime (high) and 8-hour runtime (low)
- Machined aluminum construction with scratch-resistant polycarbonate lens
- Removable pocket clip also clips onto brim of hat
- IPX4 water-resistant
- Lithium-ion battery fully recharges in 4 hours



Order #	Mfg. #	Each
G38-279	66320	**139.00**

ProTac® HL USB Rechargeable LED Flashlight



- 50,000-hour C4® LED technology
- 4 modes: high (850 lumens), medium (350 lumens), low (85 lumens) and strobe
- Up to 1.5-hour runtime (high), 4-hour runtime (medium), 12-hour runtime (low) and 1.5-hour runtime (strobe)
- TEN-TAP® programmable switch allows user to select one of three different programs
- IPX4 water resistant
- Includes removable pocket clip, nylon holster and USB cord

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Each
G37-470	88052	**289.00**

ProTac® LED Flashlights



- 50,000-hour C4® LED technology
- **G37-472** features 3 modes: high (350 lumens), low (40 lumens), strobe and up to 1.33-hours runtime (high), 4.5-hour runtime (low) and 3.5-hour runtime (strobe)
- **G37-473** features 3 modes: high (250 lumens), low (18 lumens), strobe and up to 2-hours runtime (high), 43-hour runtime (low) and 4-hour runtime (strobe)
- **G36-470** features 3 modes: high (750 lumens), low (35 lumens), strobe and up to 1.25-hour runtime (high), 18-hour runtime (low) and 2.5-hour runtime (strobe)
- **G38-071** features 4 modes: high (1,000 lumens), medium (400 lumens), low (65 lumens) and strobe, 1.5-hour runtime (high), 3.5-hour runtime (medium), 23-hour runtime (low), 3.24-hours (strobe)
- TEN-TAP® programmable switch allows user to select one of three different programs
- IP7X waterproof
- Includes removable pocket clip, lanyard, nylon holster and batteries
- **G38-071** features 4 modes: high (1,000 lumens), medium (400 lumens), low (65 lumens) and strobe, 1.5-hour runtime (high), 3.5-hour runtime (medium), 23-hour runtime (low), 3.24-hours (strobe)
- TEN-TAP® programmable switch allows user to select one of 3 different program
- IP68 dust tight and waterproof to 2 meters
- Includes 18650 USB lithium battery, USB cord and nylon holster

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Each
G37-472	88061	ProTac 1L-1AA LED Flashlight	**129.00**
G37-473	88033	ProTac 2AA LED Flashlight	**129.00**

Order #	Mfg. #	Description	Each
G36-470	88040	ProTac HL CR123 LED Flashlight	**219.00**
G38-071	88085	ProTac HL-X Rechargeable LED Flashlight	**245.00**

Stinger® 2020 Rechargeable LED Flashlight



- 4 modes: high (2,000 lumens), medium (850 lumens), low (100 lumens) and strobe
- Up to 2-hour runtime (high), 4-hour runtime (medium), 24-hour runtime (low) and 3.25-hour runtime (strobe)
- Machined aluminum construction with textured barrel
- IPX7 waterproof
- Lithium-ion battery fully recharges in 6 hours

Order #	Mfg. #	Each
G38-281	78100	**345.00**

Siege® LED Compact Work Lanterns



- 50,000-hour C4® LED technology
- Provides 360 degrees of illumination
- **G36-461** features multiple modes: white LED high (200 lumens), white LED medium (100 lumens), white LED low (50 lumens), red LED high (0.7 lumens),red LED SOS mode (0.7 lumens) and up to 7-hour runtime (white LED high), 15.5-hour runtime (white LED medium), 37-hour runtime (white LED low), 192-hour runtime (red LED high) and 288-hour runtime (red LED SOS mode)
- **G36-462** features multiple modes: white LED high (340 lumens), white LED medium (175 lumens), white LED low (33 lumens), red LED high (10 lumens), red LED SOS mode (10 lumens) and up to 30-hour runtime (white LED high), 70-hour runtime (white LED medium), 295-hour runtime (white LED low), 235-hour runtime (red LED high) and 430-hour runtime (red LED SOS mode)
- D-ring on bottom for multiple hanging options, **G37-461** includes magnets on bottom
- IPX7 waterproof
- **G37-461** powered by 3 AA batteries (not included), **G37-462** powered by 3 D batteries (not included)

Order #	Mfg. #	Description	Each
G37-461	44943	Siege LED Compact Work Lantern	**99.00**
G37-462	44931	Siege LED Work Lantern	**125.00**

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Vulcan Clutch® Multi-Function LED Flashlights

- Three white LEDs
- High mode: 1,700 lumens
- Low mode: 380 lumens
- 340 degree rotating head
- 20 degree downcast head
- Clamping handle
- Durable nylon body
- IP67 rated

Warning: This product contains lithium batteries and cannot be shipped by air



Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Each
G38-470	44361	Vulcan Clutch LED Flashlight with Quick-Release Strap (Orange)	**549.00**
G38-471	44371	Vulcan Clutch LED Flashlight with Heavy-Duty Strap (Yellow)	**535.00**

Syclone® Rechargeable Compact LED Work Light

- Head swivels 360° to illuminate where you need it
- Cool white LEDs with high (400 lumens), medium (200 lumens) and low mode (100 lumens)
- Up to 2-hour runtime (high), 4.5-hour runtime (medium) and 9.5-hour runtime (low)
- 90 CRI LEDs with high (300 lumens), medium (150 lumens) and low mode (75 lumens)
- Up to 2-hour runtime (high), 4-hour runtime (medium) and 8-hour runtime (low)
- Magnetic base and stowable hanging hook
- IPX4 water-resistant
- Lithium-ion battery fully recharges in 4.5 hours



Order #	Mfg. #	Each
G38-278	61510	**139.00**

Strion Switchblade® Rechargeable LED Light Bar

- Light bar rotates 180° to illuminate where you need it
- Five lights in one: drop light, hands-free light, white light, high CRI Light with Color-Rite Light Technology™ and UV light
- Cool white LEDs (500 lumens) with up to 3-hour runtime
- 90 CRI LEDs (400 lumens) with up to 3-hour runtime
- UV LED (500mW) with up to 5-hour runtime
- Magnetic base and stowable hanging hook
- Machined aluminum construction with scratch-resistant polycarbonate lens
- Lithium-ion battery fully recharges in 4 hours



Order #	Mfg. #	Each
G38-280	74850	**169.00**

Flipmate® LED Rechargeable Work Light

- Double function light bar rotates 270° to illuminate where you need it
- Cool white LEDs with high (500 lumens) and low mode (250 lumens)
- Up to 2.5-hour runtime (high) and 5.75-hour runtime (low)
- 90 CRI LEDs with high (400 lumens) and low mode (200 lumens)
- Up to 2.5-hour runtime (high) and 6-hour runtime (low)
- Machined aircraft aluminum construction with unbreakable polycarbonate lens
- Magnetic base and stowable hanging hook
- IPX4 water-resistant
- Lithium-ion battery fully recharges in 4.5 hours



Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Each
G38-276	61501	Red FlipMate Work Light	**195.00**
G38-277	61502	Blue FlipMate Work Light	**195.00**

Knucklehead® LED Work Light

- 50,000-hour C4® LED technology
- Head rotates 360 degrees with 210 degrees of articulation
- 4 modes: high (200 lumens), low (63 lumens), “moonlight” and flash
- Up to 3.5-hour runtime (high), 16-hour runtime (low), 20-day runtime (“moonlight”) and 8-hours (flash)
- IPX4 water resistant
- Integrated hook and removable magnet for multiple mounting options



Order #	Mfg. #	Each
G37-463	90642	**245.00**

Portable LED Scene/Work Light



- 50,000-hour C4® LED technology
- 3 modes: high (5,300 lumens), medium (2,500 lumens) and low (1,300 lumens)
- Up to 4-hour runtime (high), 9-hour runtime (medium) and 18-hour runtime (low)
- 72” extension pole with 90 degree swivel neck
- IP67 waterproof and dust-tight
- Rechargeable sealed lead acid battery, also operates on AC or DC power

Order #	Mfg. #	Each
G80-976	45670	**1999.00**

Bandit® Pro Rechargeable LED Headlamp



- Compact low profile with bright flood beam
- 3 modes: high (180 lumens), low (35 lumens) and emergency flash, 4.5-hour runtime (high), 21-hour runtime (low)
- IPX4 water resistant
- Includes USB cord, hat clip and elastic head strap
- Lithium battery fully charges in approximately 3.5 hours

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Each
G38-068	61710	**75.00**

ENDURO® PRO Industrial Headlamp



- 2 C4® power LEDs and 2 red LEDs with 8 output modes
- Spot mode for distance with high (200 lumens with 6-hour runtime), medium (75 lumens with 14 hour runtime) and low (25 lumens with 38 hour runtime)
- Flood mode with high (135 lumens with 6-hour runtime), medium (45 lumens with 14 hour runtime) and low (15 lumens with 38 hour runtime)
- Red LED mode for night vision
- IPX4 water resistant
- Includes head strap
- Powered by 3 AA batteries (included)

Order #	Mfg. #	Each
G37-837	61420	**59.00**

LED Headlamps



- 100,000-hour LEDs (Septor), 50,000-hour LEDs (Trident)
- Septor has 3 modes: 7 LEDs (120 lumens), 3 LEDs (45 lumens) and 1 LED (13 lumens) with up to 3.5-hour runtime (7 LEDs), 10-hour runtime (3 LEDs) and 55-hour runtime (1 LED)
- Trident has 3 modes: C4 LED (80 lumens), 3 LEDs (35 lumens) and 1 LED (11 lumens) with up to 5-hour runtime (C4 LED), 10-hour runtime (3 LEDs) and 53-hour runtime (1 LED)
- 90 degree tilting head
- IPX4 water resistant
- Includes elastic and rubber head straps
- Powered by 3 AAA batteries (included)
- 270 lumens (HAZ-LO)
- 150m beam (HAZ-LO)
- Intrinsically safe (HAZ-LO)
- Up to 8-hour run time (HAZ-LO)

Order #	Mfg. #	Description	Each
G32-793	61052	Septor Headlamp	**95.00**
G32-790	61050	Trident Headlamp	**75.00**
G38-472	61200	HAZ-LO® Headlamp 3AA	**129.00**

Double Clutch™ LED Headlamps



- 50,000-hour C4® LED technology
- 4 modes: high spot/flood (125 lumens), low spot/flood (30 lumens)
- Up to 3.5-hour runtime (high spot/flood lithium), 6-hour runtime (high spot/flood alkaline), 10-hour runtime (low spot/flood lithium) and 18-hour runtime (low spot/flood alkaline)
- “Dual Fuel” technology operates on rechargeable battery (included with **G37-468**) or 3 AAA batteries (not included)
- IPX4 water resistant

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Each
G37-468	61601	Double Clutch USB LED Headlamp	**125.00**
G37-469	61608	Double Clutch Alkaline LED Headlamp	**109.00**

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CLIPSTRIP™ LED Flashlights

- 140 lumens
- Strip array LED Technology
- 180° Swivel magnetic clip
- 3 AAA batteries included



Order #	Mfg. #	Description	Each
G36-626	111112	CLIPSTRIP LED Flashlight	40.49
G36-909	111116	CLIPSTRIP Camo LED Flashlight	75.00
G37-822	111118	CLIPSTRIP 2 LED Flashlight	45.49

Pivot 33 LED Work Lights

- 160 lumens
- 28 LED face and 5 LED top flashlight
- 360° swivel hook
- Magnetic base
- 3 AA batteries included



Order #	Mfg. #	Description	Each
G36-628	24-458	Pivot 33 LED Work Light	75.00
G36-910	24-460	Pivot 33 LED Camo Work Light	85.00

Pivot LED Work Light

- 240 lumens
- Strip array LED technology with 5 LED top flashlight
- 360° swivel hook
- Magnetic base and back
- 3 AA batteries included



Order #	Mfg. #	Each
G36-905	111114	79.00

Industrial Batteries

- Alkaline batteries designed for heavy current or continuous use applications
- Heavy-duty carbon zinc battery for light to moderate drains applications, value option when alkaline batteries are not a requirement



Order #	Mfg. #	Description	Each
G21-865	EN91	AA Industrial Alkaline	1.29
G22-302	EN92	AAA Industrial Alkaline	1.29
G22-719	EN22	9V Industrial Alkaline	5.25
G32-403	EN529	6V Industrial Alkaline	27.99
G21-864	EN93	C Industrial Alkaline	2.79
G21-863	EN95	D Industrial Alkaline	4.39

Order #	Mfg. #	Description	Each
G32-727	E96BP-2	AAAA Alkaline (2-Pk.)	9.65
G32-404	1222	9V Heavy-Duty	2.35
G32-726	A76BPZ	1.5V Alkaline Button Cell (LR44)	4.85
G31-373	357BPZ	1.55V Silver Oxide Button Cell (SR44)	6.89
G36-642	390-389TZ	1.55V Silver Oxide Button Cell (SR1130SW)	4.09
G31-532	393-309TZ	1.55V Silver Oxide Button Cell (SR754W)	2.29

Alkaline Batteries

- Long lasting, dependable power
- Up to 10 year shelf life
- Prices are per package



Order #	Mfg. #	Description	Each
G37-637	E92BP-2	AAA Alkaline (2-Pk.)	8.59
G37-638	E91BP-4	AA Alkaline (4-Pk.)	14.99
G37-639	522BP	9V Alkaline (1-Pk.)	15.99

Order #	Mfg. #	Description	Each
G37-640	E93BP-2	C Alkaline (2-Pk.)	15.99
G37-641	E95BP-2	D Alkaline (2-Pk.)	15.99

Lithium Batteries

Energizer



Hazardous Material Shipping Alert

- Lighter and longer lasting than alkaline batteries
- Up to 20 year shelf life on AA/AAA, 10 year shelf life on 9V and 8 year shelf life on button cells
- Works in temperatures -40°F to +140°F

Warning: This product contains lithium batteries and cannot be shipped by air

Order #	Mfg. #	Description	Each
G36-482	L91	AA Lithium Battery	9.09
G38-005	L92	AAA Lithium Battery	9.09
G36-483	L522	9V Lithium Battery	59.00

Order #	Mfg. #	Description	Each
G37-518	EL123APBP	123 Lithium Battery	11.49
G32-395	ECR2032BP	3V Lithium Button Cell	5.79
G37-385	ECR1632BP	3V Lithium Button Cell	11.49

Lithium Batteries

STREAMLIGHT



Hazardous Material Shipping Alert

- 3V lithium battery for professional applications
- Performs in a wide range of temperature extremes (-22°F to +140°F)
- Virtually constant voltage over discharge period
- 10 year shelf life

Warning: This product contains lithium batteries and cannot be shipped by air

Order #	Mfg. #	Description	Each
G34-842	85175	CR123 Lithium Battery (2-Pk.)	14.99

Dry Steam Coil and Surface Cleaner

SPEEDCLEAN



- Cleans dirty, greasy coils and other surfaces without harsh damaging chemicals
- Works great on air handlers, mini-splits, condensers, exhaust vents and oily commercial kitchen ducts
- 265° superheated dry steam kills bacteria, fungus, mold, mildew and other microorganisms on contact
- Stainless steel boiler with easy-fill tank
- Includes accessory kit for multiple applications

Order #	Mfg. #	Each
W80-159	SC-VSC-7000	2999.00

Dry Steam Coil and Surface Cleaner Replacement Parts and Accessories

SPEEDCLEAN

Order #	Mfg. #	Description	Each
W80-160	SC-VSC-J11096	10' Steam Hose and Gun	699.00
W80-161	SC-VSC-M0113	Triangular Brush	215.00
W80-162	SC-VSC-M0122	Floor Brush	289.00
W80-163	SC-VSC-M0018-N	Extension Wand	129.00
W80-164	SC-VSC-M0117-N	Glass Cleaner Attachment	95.00
W80-165	SC-VSC-M0119	Glass Cleaner Attachment with Squeegee	46.99
W69-689	SC-VSC-M0114	Detail Nozzle, 1 Hole	46.99
W69-690	SC-VSC-M0115	Detail Nozzle, 3 Hole	69.00

Order #	Mfg. #	Description	Each
W69-691	SC-VSC-J0200	Drain Cleaner	35.49
W69-692	SC-VSC-G0018	Nylon Detail Brush	27.49
W69-693	SC-VSC-G0126	Brass Detail Brush	27.99
W69-694	SC-VSC-G0125	Stainless Detail Brush	27.49
W69-695	SC-VSC-D0024	Round Nylon Brush	59.00
W69-696	SC-VSC-D0025	Triangular Brush	59.00
W69-697	SC-VSC-J0680	Round Brass Brush	69.00

CoilJet Portable Coil Cleaning Systems

SPEEDCLEAN



- Specifically designed for condenser and evaporator coil cleaning
- No hoses or electrical connection required for operation, excellent for rooftops and attics
- 125 PSI spray removes debris without damaging fins
- Holds 3-3/8 gallons of water and 1-3/4 quarts of coil cleaner
- Includes 10' self-coiling hose and 12V rechargeable battery
- Angled adapters and extension wands sold separately for cleaning coils from the back
- Not for use with acid-based coil cleaners

Order #	Mfg. #	Description	Each
W89-766	CJ-125	CoilJet Portable Coil Cleaning System	1799.00
W80-119	CJ-200E	CoilJet Electric Portable Coil Cleaning System	2245.00

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CoilJet Replacement Parts and Accessories

Order #	Mfg. #	Description	Each
B84-490	SC-FCC-1	Expanding Foam Coil Cleaner (1 Gallon)	**69.00**
W91-183	8945-24	24" Wand w/90° Spray Head	**195.00**
W91-190	8945-FLEX-24	24" Flexible Wand w/90° Spray Head	**239.00**
W69-704	8945-0-DEG-FW12	12" Flexible Wand w/0° Spray Head	**235.00**
W89-984	8945-0-DEG-FLEX	24" Flexible Wand w/0° Spray Head	**239.00**
W91-197	CJ-MSB-ACC-KIT	Mini-Split Cleaning Accessory Kit	**279.00**
W91-174	8945	36" Wand w/90° Spray Head	**169.00**
W91-175	8945-48	48" Wand w/90° Spray Head	**239.00**
W91-184	8945-60	60" Wand w/90° Spray Head	**239.00**
W91-185	CJ-9657	36" Extension Lance Assembly	**139.00**
W91-186	CJ-9658	48" Extension Lance Assembly	**155.00**
W91-187	CJ-9659	60" Extension Lance Assembly	**169.00**
W91-188	CJ-WWSS	36" Sectional Stainless Steel Right-Angle Wand	**309.00**
W91-189	CJ-WWSS-EXT	16" Extension for CJ-WWSS	**119.00**
W69-449	CJ-QDN-0004R	Pinpoint Nozzle (Model CJ-75 and CJ-125 only)	**48.99**
W69-466	CJ-QDN-1503Y	15° Nozzle (Model CJ-95 only)	**59.00**
W69-450	CJ-QDN-1504Y	15° Nozzle (Model CJ-75 and CJ-125 only)	**43.49**
W69-437	CJ-QDN-45	45° Adapter	**115.00**
W69-438	CJ-QDN-90	90° Adapter	**115.00**
W69-439	CJ-9619	Foaming Nozzle Assembly	**139.00**

Order #	Mfg. #	Description	Each
W69-630	8943-RB	Spray Gun With Quick Disconnect	**199.00**
W69-631	CJ2-VALVE-ASSEM	Chemical Valve Assembly	**115.00**
W69-633	CJ2-07-1	Water Tank Check Valve	**69.00**
W69-635	CJ2-06-S	Pump (Model CJ-125 only)	**459.00**
W69-637	CJ2-03-S	Base Bottom Cover Plate (Model CJ-125 only)	**55.00**
W69-638	9647-1-S	Plastic Cap (Model CJ-125 only)	**55.00**
W69-639	CJ2-16	Electrical Harness (Model CJ-125 only)	**145.00**
W69-634	CJ2-22	Power Switch	**59.00**
W80-116	CJ2-02-S	Plastic Base (Model CJ-125 only)	**159.00**
W69-640	CJ2-04-S	Battery Door (Model CJ-125 only)	**43.99**
W69-441	8944	Vehicle Adapter for Charging Battery	**119.00**
W69-451	CJ-9693	Battery Charger (Model CJ-75 and CJ-95 only)	**155.00**
W69-452	8924	Battery Charger w/Lugs (CJ-75/95 only)	**169.00**
W69-548	CJ2-24	Battery Charger (Model CJ-125 only)	**239.00**
W69-549	CJ2-25	Battery Charger w/Lugs (Model CJ-125 only)	**319.00**
W69-550	CJ125-KIT-SB	Spare Battery & Charger Kit (CJ-125 only)	**459.00**
W69-467	CJ-9689	12V CoilJet Battery (Model CJ-95 only)	**195.00**
W69-551	CJ-9613	12V CoilJet Battery (Model CJ-125 only)	**239.00**
W80-261	CJ-125-SVCKIT	Service Kit	**289.00**

CoilShot® Condenser Cleaning Tool

- Tablet-based coil cleaning system eliminates bulky and heavy coil cleaners
- Attach to garden hose, insert tablet and dial in custom foaming level
- One pack of tablets replaces an entire case of coil cleaner
- Tablets are compact, lightweight and create a safer work environment
- Quick connect fitting for accessory attachments
- Use with the optional 3' cleaning wand for additional flexibility and better cleaning



Order #	Mfg. #	Description	Each
W69-642	SC-CS-100	CoilShot Condenser Cleaning Tool	**269.00**
W91-215	SC-CS-WAND	CoilShot 3' Cleaning Wand	**145.00**
B20-325	SC-CS-TABS	CoilShot Coil Cleaner Tablets (8-Pk.)	**99.00**

Condenser Needle

- Turn any garden hose into a powerful condenser cleaning tool
- Low profile three-foot aluminum "needle" fits through the top of most condensers and allows user to clean from the inside out
- Unique 3+ gallons per minute spray nozzle will not damage delicate fins
- Adjustable chemical injection valve



Order #	Mfg. #	Each
X82-258	CN-03	**429.00**

Mini-Split Bib Kits

- Attaches to ductless/mini-split systems and allows for cleaning with pressurized water and coil cleaner
- Funnels all water and chemicals into 5-gallon bucket for proper disposal
- Includes bib, adjustable mounting brackets, adhesive wrap and 5-gallon bucket



Order #	Mfg. #	Description	Each
W89-982	MSB-KIT	Bib Kit for Units up to 44" Wide	**259.00**
W80-277	MSB-360-KIT	Bib Kit for Units up to 44" Wide With Overhead Extension	**315.00**
W80-131	MSB-KIT-XL	Bib Kit XL for Units up to 60" Wide	**425.00**

Mini Split Bib Kit Replacement Parts and Accessories

Order #	Mfg. #	Description	Each
W89-983	MSB-01	Replacement Bag for Mini-Split Bib Kit	**109.00**
W80-278	MSB-14	Replacement Bag for Mini-Split Bib Kit 360	**165.00**
W80-132	BXL-001	Replacement Bag for Mini-Split Bib Kit XL	**229.00**
W69-558	MSB-07-1	Adhesive Wrap (2" x 200')	**32.49**

Ceiling Cassette Bib Kit



- Easy mess-free cleaning of ceiling cassette systems
- Funnels all water and chemicals into bucket for proper disposal
- Fits systems up to 48" wide
- Includes bib with 10' drain line, bungee hooks and 5-gallon bucket
- Optional 7' to 10' stand available for applications without a drop ceiling

Order #	Mfg. #	Description	Each
W80-120	SC-CB	Ceiling Cassette Bib Kit	**379.00**
W91-216	SC-CB-STAND	Ceiling Cassette Bib Stand	**955.00**

5-Gallon Bucket



- General purpose bucket for use on the jobsite

Order #	Mfg. #	Each
X92-593	BV-5-BUCKET-70M	**27.49**

Port-A-Blaster™ Coil Cleaning Machine



- Easily blast dirt from evaporator and condenser coils
- Patented, pressure-activated pump to deliver two pressure settings for either indoor or outdoor cleaning
- Great for mini-split indoor and outdoor coils
- On-board storage cabinet for all accessories
- 120VAC, 80W, 140 PSI maximum pressure
- Includes durable quick-connect hoses, wand and trigger sprayer
- For use with non-acidic coil cleaners only

Order #	Mfg. #	Each
H86-105	ZPB140	**425.00**

Port-A-Blaster™ Replacement Parts and Accessories

Order #	Mfg. #	Description	Each
H28-651	ZPBM5	Replacement Pressure Pump Assembly	**209.00**
H28-652	ZPBG4	Replacement Pressure Gauge	**36.49**
H28-653	ZPBT8	Trigger Sprayer Gun	**39.49**
H28-654	ZPBH6	Suction Hose	**30.49**
H28-655	ZPBH7	Discharge Hose	**30.49**
H28-656	ZPBC1	Back Cover	**11.49**
H28-657	ZPB01	O-Ring, Inlet & Outlet Tube	**3.55**

4 Gallon Wet/Dry Vacuum



- Powerful 5.0 peak horsepower
- Highly compact design
- Includes 2 cleaning tools, filter and 8' hose

Order #	Mfg. #	Each
X93-419	50313	**349.00**

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6 Gallon NXT Wet/Dry Vacuum

RIDGID

- Powerful 4.25 peak horsepower
- Compact design with caster wheels
- Includes nozzle, 2 wands, filter and 8' hose



Order #	Mfg. #	Each
X93-420	62698	**249.00**

Wet/Dry Vacuum Replacement Parts and Accessories

RIDGID

Order #	Mfg. #	Description	Each
X72-314	23738	VF3501 High-Efficiency Dust Bags (3 to 6 Gallon Vacuums)	**36.99**
X72-315	26643	VF3500 Fine Dust 3-Layer Filter (3 to 4.5 Gallon Vacuums)	**55.00**
X72-319	40163	VT1712 Crevice Tool/Dusting Brush	**42.49**
X72-316	72947	VF4000 Standard 1-Layer Filter (5 to 20 Gallon Vacuums)	**59.00**
X72-317	72952	VF5000 Fine Dust 3-Layer Filter (5 to 20 Gallon Vacuums)	**85.00**
X72-318	97457	VF6000 HEPA 5-Layer Filter (5 to 20 Gallon Vacuums)	**99.00**

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THAT'S THE POWER OF JOHNSTONE™

KLEIN TOOLS



Hazardous Material Shipping Alert

Rechargeable Personal Jobsite Fan

- Multiple mounting options for the job site
- Base rotates and cage spins 360° to aim airflow in any direction
- Powerful magnets on the base and a hang hole
- Base includes a strong clamp for attaching to studs or conduit
- Two long-lasting fan modes
- Charges via USB-C (cable included)

Warning: This product contains lithium batteries and cannot be shipped by air

Order #	Mfg. #	Each
H28-945	PJSFM2	**245.00**

RIDGID



Hazardous Material Shipping Alert

12V Lithium-Ion Cordless Press Tool Kits

- Compact and lightweight design for easy work overhead or in tight spaces
- RP 240 designed for best tool control
- RP 241 designed for easier use in tight spaces
- Built-in LED illuminates work area
- Bluetooth connectivity to your smartphone to manage cycle count and battery life
- Over 140 presses per charge
- Presses up to 1/2" to 1-1/4" copper and stainless steel, 1/2" to 1-1/2" PEX and 1/2" to 3/4" iron pipe

Warning: This product contains lithium batteries and cannot be shipped by air

Order #	Mfg. #	Description	Each
Press Tool			
H86-053	57418	RP 240 Cordless Press Tool (Bare Tool Only)	**3799.00**
H86-054	57413	RP 240 Cordless Press Tool w/Battery and Charger	**4445.00**
H86-055	57403	RP 240 Cordless Press Tool Kit w/3 ProPress Jaws (1/2", 3/4", 1")	**5599.00**
H86-056	57398	RP 240 Cordless Press Tool Kit w/4 ProPress Jaws (1/2", 3/4", 1", 1-1/4")	**4799.00**
H86-049	57388	RP 241 Inline Cordless Press Tool (Bare Tool Only)	**3699.00**
H86-050	57383	RP 241 Inline Cordless Press Tool w/Battery and Charger	**4299.00**
H86-051	57373	RP 241 Inline Cordless Press Tool Kit w/3 ProPress Jaws (1/2", 3/4", 1")	**5499.00**
H86-052	57363	RP 241 Inline Cordless Press Tool Kit w/4 ProPress Jaws (1/2", 3/4", 1", 1-1/4")	**5699.00**
Jaws			
H28-717	31228	Compact ProPress Jaw 1-1/4"	**429.00**
H28-718	48433	Compact MegaPress Jaw 1/2"	**475.00**
H28-719	48438	Compact MegaPress Jaw 3/4"	**525.00**
Batteries			
H28-509	55183	12V Battery	**155.00**
H28-510	55193	12V Battery Charger	**179.00**

Milwaukee



Hazardous Material Shipping Alert

M18™ FORCE LOGIC™ Press Tool

- Compact and lightweight inline design
- Auto-cycle ensures full press every time
- Longest calibration interval at 50,000 cycles
- Includes battery, 12V/18V multi-voltage charger and carrying case
- Jaw Kit, Press Ring and Ring Jaw for use with Viega MegaPress fittings

Warning: This product contains lithium batteries and cannot be shipped by air

Order #	Mfg. #	Description	Each
H86-132	2922-20	M18 FORCE LOGIC Press Tool (Bare Tool Only)	**6099.00**
H86-133	49-16-2696	3-Piece Jaw Kit for Viega MegaPress Fittings (1/2", 3/4", 1")	**1845.00**
H28-703	49-16-2653B	Press Ring for Viega MegaPress Fittings (1-1/4")	**1199.00**
H28-704	49-16-2659	Ring Jaw 1 (for 1-1/4" to 2")	**1399.00**
H86-183	2922-22M	M18™ FORCE LOGIC™ Press Tool w/6 Streamline ACR Jaws (1/4", 3/8", 1/2", 5/8", 3/4" and 7/8")	**10500.00**

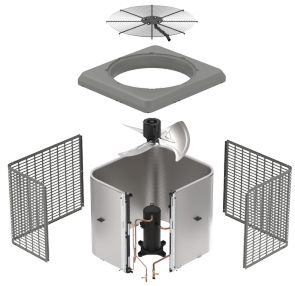
MODEL to PART

Critical Parts When You Need Them

Try it Today

Note: Must have a Johnstone Supply account

+ Featuring Mini-Splits, Residential & Commercial HVAC Equipment
+ Thousands of new products added including Trane and Carrier
+ Original, Aftermarket & Universal Part Options
+ Real-Time Pricing & Availability



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18V Lithium-Ion Cordless Press Tool and MegaPress Jaw/Ring Kits

- Endless 360° head swivel for reaching tight spaces
- 4.5-second cycle time speeds connections
- Built-in LED illuminates work area
- Over 300 presses per charge
- Capacity: 1/2" to 4" (copper and stainless steel), 1/2" to 2" (PEX), but only includes jaws up to 2"
- Bluetooth connectivity and color-coded light indicators for easy operation
- **H85-805** swivel actuator allows a press tool to be placed ±90° to the tube being pressed for hard-to-reach applications, kit includes 1/2", 3/4", 1", 1-1/4" rings, actuator and carrying case
- **H85-806** includes 1/2", 3/4", 1" jaws and carrying case
- **H85-839** includes 1/2", 3/4", 1" jaws, 1-1/4", 1-1/2", 2" rings, actuator and carrying case
- **H86-094** press booster allows for pressing of steel pipe up to 4", kit includes booster, 2-1/2", 3", 4" MegaPress Rings and shoulder strap
- **H86-143** XL-C Rings for pressing 2-1/2" to 4" ProPress fittings

Warning: This product contains lithium batteries and cannot be shipped by air



Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Each
Press Tool			
H85-804	67053	RP 350 Cordless Press Tool Kit w/6 ProPress Jaws (1/2", 3/4", 1", 1-1/4", 1-1/2", 2")	**9345.00**
ProPress			
H85-805	28048	ProPress Rings Kit (1/2" to 1-1/4")	**4599.00**
H86-143	20483	ProPress XL-C Rings Kit (2-1/2" to 4")	**7599.00**
MegaPress			
H85-806	48558	3-Piece Jaw Kit for Viega MegaPress Fittings (1/2", 3/4", 1")	**2145.00**
H85-839	48553	7-Piece Jaw and Ring Kit for Viega MegaPress Fittings (1/2", 3/4", 1", 1-1/4", 1-1/2", 2")	**7799.00**
H86-094	60638	Press Booster for Viega MegaPress XL Fittings	**12500.00**

RLS 19 kN Lithium-Ion Cordless Braze-Free Press Tools

- For high pressure HVAC/R applications
- Compact design and 350° jaw rotation
- Fits jaw sizes 1/4" thru 1-3/8"
- Tool service indicated via imbedded LEDs, illuminates at 10,000 cycles
- Interchangeable with original Zoomlock tools, jaws and Ridgid jaws only
- Kits contain a crimping tool, 2 rechargeable Lithium-ion batteries, battery charger, tubing cutter, tubing deburring tool, stainless steel brush, Scotch Brite cleaning pad, crimp gauge, depth insertion gauge and permanent marker

Warning: This product contains lithium batteries and cannot be shipped by air



Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Each
H86-044	399011190001	19 kN Tool Kit (Bare Tool Only)	**5445.00**
H86-045	399011190501	19 kN Tool Kit with 5 Jaws (3/8", 1/2", 5/8", 7/8", 1-1/8")	**8345.00**
H28-489	399021191040	19 kN Jaw 1/4"	**545.00**
H28-490	399021191050	19 kN Jaw 5/16"	**545.00**
H28-491	399021191060	19 kN Jaw 3/8"	**545.00**
H28-492	399021191080	19 kN Jaw 1/2"	**545.00**
H28-493	399021191100	19 kN Jaw 5/8"	**545.00**

Order #	Mfg. #	Description	Each
H28-494	399021191120	19 kN Jaw 3/4"	**545.00**
H28-495	399021191140	19 kN Jaw 7/8"	**565.00**
H28-496	399021191180	19 kN Jaw 1-1/8"	**565.00**
H28-497	399021191220	19 kN Jaw 1-3/8"	**849.00**
H86-046	399031190801	19 kN 8-Piece Jaw Kit (1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1-1/8", 1-3/8")	**5199.00**
H86-047	399011000100	19 kN Jaw Case (9 Empty Slots)	**385.00**

RLS 15 kN Original Braze-Free Press Tool Jaws

- For use with the original 15 kN RLS and Zoomlock tools only
- For high pressure HVACR applications
- Fits jaw sizes 1/4" thru 1-1/8"
- Ridgid tool jaws fit Ridgid models RP 200-B, RP 210-B, RP 100-B, RP 240 and RP 241



Order #	Mfg. #	Description	Each
H85-911	399021151040	15 kN Jaw 1/4"	**335.00**
H85-912	399021151050	15 kN Jaw 5/16"	**335.00**
H85-913	399021151060	15 kN Jaw 3/8"	**335.00**
H85-914	399021151080	15 kN Jaw 1/2"	**335.00**
H85-915	399021151100	15 kN Jaw 5/8"	**335.00**
H85-916	399021151120	15 kN Jaw 3/4"	**335.00**
H85-917	399021151140	15 kN Jaw 7/8"	**335.00**
H85-918	399021151180	15 kN Jaw 1-1/8"	**335.00**
H85-919	399031150801	15 kN 8-Piece Jaw Kit (1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8", 1-1/8")	**4445.00**
H28-327	399022001040	Ridgid Tool Jaw 1/4"	**735.00**

Order #	Mfg. #	Description	Each
H28-328	399022001050	Ridgid Tool Jaw 5/16"	**735.00**
H28-329	399022001060	Ridgid Tool Jaw 3/8"	**735.00**
H28-330	399022001080	Ridgid Tool Jaw 1/2"	**735.00**
H28-331	399022001100	Ridgid Tool Jaw 5/8"	**735.00**
H28-332	399022001120	Ridgid Tool Jaw 3/4"	**755.00**
H28-333	399022001140	Ridgid Tool Jaw 7/8"	**755.00**
H28-334	399022001180	Ridgid Tool Jaw 1-1/8"	**755.00**
H28-335	399022001220	Ridgid Tool Jaw 1-3/8"	**755.00**
H86-057	399032000801	8-Piece Ridgid Tool Jaw Kit (1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1-1/8", 1-3/8")	**5599.00**
H86-058	399032000100	Ridgid Jaw Case (8 Empty Slots)	**385.00**

M18™ RLS® ACR Press Jaws

- For use with RLS® HVACR Braze-Free Press Fittings and M18™ FORCE LOGIC™ Press Tools
- Spring-loaded steel jaws



Order #	Mfg. #	Description	Each
H28-853	49-16-2650R	RLS ACR Press Jaw 1/4"	**735.00**
H28-854	49-16-2652R	RLS ACR Press Jaw 3/8"	**735.00**
H28-855	49-16-2653R	RLS ACR Press Jaw 1/2"	**735.00**
H28-856	49-16-2654R	RLS ACR Press Jaw 5/8"	**735.00**
H28-857	49-16-2655R	RLS ACR Press Jaw 3/4"	**819.00**
H28-858	49-16-2656R	RLS ACR Press Jaw 7/8"	**819.00**
H28-859	49-16-2657R	RLS ACR Press Jaw 1-1/8"	**865.00**
H28-860	49-16-2658R	RLS ACR Press Jaw 1-3/8"	**975.00**
H86-204	49-16-2662R	RLS 7-Piece Jaw Kit (1/4", 3/8', 1/2", 5/8", 3/4", 7/8" and 1-1/8")	**5199.00**

ZOOMLOCK® MAX Jaw Kits

- Specially designed Rothenberger jaws are approved for use with ZoomLock MAX fittings
- Choose from three kN (kilonewtons) versions
- Jaws are laser hardened
- Includes 1/4", 3/8", 1/2", 5/8", 3/4", 7/8" and 1-1/8" jaws
- Guaranteed for Life



Order #	Mfg. #	Description	Each
H86-139	MZK-32KN	JAW 32KN Kit 7 pc.	**3845.00**
H86-140	MZK-24KN	JAW 24KN Kit 7 pc.	**3845.00**
H86-141	MZK-19KN	JAW 19KN Kit 7 pc.	**3845.00**

ZoomLock MAX - COMPATIBLE PRESS TOOLS

Brand	Tool Model	H86-141 MZK-19KN JAW KIT	H86-140 MZK-24KN JAW KIT	H86-139 MZK-32KN JAW KIT
ROTHENBERGER	ROMAX 3000	-	-	X
	ROMAX 3000 AC	-	-	X
	ROMAX 4000	-	-	X
	ROMAX AC ECO	-	-	X
	Twin Turbo US (TT US)	-	X	-
	ROMAX Compact TT	X	-	-
	ROMAX Compact	X	-	-
DEWALT	DCE200	-	-	X
KLAUKE	UAP2/UNP2	-	-	X
	UAP3L/UAP4L	-	-	X
	UP2EL14	-	-	X
	MAP2L19	X	-	-
	MAP219	X	-	-
MILWAUKEE	H28-530 (M12 Force Logic)	-	X	-
	H86-132 (M18 Force Logic)	-	-	X
HILTI	NPR 019	X	-	-
NIBCO	PC-100	-	-	X
	PC-280	-	-	X
REMS	Power-Press	-	-	X
	Akku-Press	-	-	X
RIDGID	320-E	-	-	X
	CT400	-	-	X
	H86-049, H86-050, H86-051, H86-052 (RP 241)	-	X	-
	H86-053, H86-054, H86-055, H86-056 (RP 240)	-	X	-
	RP 210-B	-	X	-
	RP 200-B	-	X	-
	RP 330-B	-	-	X
	RP 330-C	-	-	X
	RP 340	-	-	X
VIRAX	Viper P25+	-	-	X
PARKER	H86-044 (PZK-TK190)	X	-	-
	H86-045 (PZK-TK195)	X	-	-

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ZOOMLOCK® MAX Press Tool

- Rothenberger 32 kN press tool
- ZoomLock MAX 32 kN jaws are compatible with multiple press tools
- Includes 2 batteries and charger

Warning: This product contains lithium batteries and cannot be shipped by air



Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Each
H86-168	MZK-TK-R4000	32 kN Press Tool	5945.00
H28-753	MZK-32KN-J22	Jaw 32 kN 1-3/8"	729.00

M12™ ZoomLock MAX Jaws

NEW

- For use with ZoomLock MAX press fittings
- Ideal for installing high-pressure HVAC and refrigeration systems
- Compatible with ACR tube and line set
- For use with M12™ FORCE LOGIC™ Press Tools



Order #	Mfg. #	Description	Each
H29-046	49-16-2450Z	ZoomLock MAX Jaw 1/4"	689.00
H29-047	49-16-2452Z	ZoomLock MAX Jaw 3/8"	689.00
H29-048	49-16-2453Z	ZoomLock MAX Jaw 1/2"	689.00
H29-049	49-16-2454Z	ZoomLock MAX Jaw 5/8"	689.00
H29-050	49-16-2455Z	ZoomLock MAX Jaw 3/4"	709.00
H29-051	49-16-2456Z	ZoomLock MAX Jaw 7/8"	709.00
H29-052	49-16-2457Z	ZoomLock MAX Jaw 1-1/8"	755.00
H29-053	49-16-2462Z	ZoomLock MAX Jaw Kit (1/4", 3/8", 1/2", 5/8", 3/4", 7/8", and 1-1/8")	4645.00

M18™ ZoomLock MAX Jaws

NEW

- For use with ZoomLock MAX press fittings
- Ideal for installing high-pressure HVAC and refrigeration systems
- Compatible with ACR tube and line set
- For use with M18™ FORCE LOGIC™ Press Tools



Order #	Mfg. #	Description	Each
H29-055	49-16-2650Z	ZoomLock MAX Jaw 1/4"	735.00
H29-056	49-16-2652Z	ZoomLock MAX Jaw 3/8"	735.00
H29-057	49-16-2653Z	ZoomLock MAX Jaw 1/2"	735.00
H29-058	49-16-2654Z	ZoomLock MAX Jaw 5/8"	735.00
H29-059	49-16-2655Z	ZoomLock MAX Jaw 3/4"	819.00
H29-060	49-16-2656Z	ZoomLock MAX Jaw 7/8"	819.00
H29-061	49-16-2657Z	ZoomLock MAX Jaw 1-1/8"	865.00
H29-062	49-16-2662Z	ZoomLock MAX Jaw Kit (1/4", 3/8", 1/2", 5/8", 3/4", 7/8", and 1-1/8")	5199.00

M12™ Streamline® ACR Jaws

NEW

- For use with Streamline ACR Press Fittings
- Ideal for refrigerant line installations
- Compatible with M12™ FORCE LOGIC™ Press Tools



Order #	Mfg. #	Description	Each
H29-054	49-16-2461M	Streamline ACR Jaw Kit (1/4", 3/8", 1/2", 5/8", 3/4" and 7/8")	4245.00

M18™ Streamline® ACR Jaws

NEW

- For use with Streamline ACR press fittings
- Ideal for refrigerant line installations
- Compatible with ACR tube and line set
- For use with M18™ FORCE LOGIC™ Press Tools



Order #	Mfg. #	Description	Each
H28-779	49-16-2650M	Streamline ACR Jaw 1/4"	735.00
H28-780	49-16-2652M	Streamline ACR Jaw 3/8"	735.00
H28-781	49-16-2653M	Streamline ACR Jaw 1/2"	735.00
H28-782	49-16-2654M	Streamline ACR Jaw 5/8"	819.00
H28-783	49-16-2655M	Streamline ACR Jaw 3/4"	819.00
H28-784	49-16-2656M	Streamline ACR Jaw 7/8"	865.00
H28-785	49-16-2657M	Streamline ACR Jaw 1-1/8"	1799.00
H28-941	49-16-2658M	Streamline ACR Jaw 1-3/8"	1899.00
H86-184	49-16-2661M	Streamline ACR 6-Piece Jaw Kit (1/4", 3/8', 1/2", 5/8", 3/4" and 7/8")	4499.00

M12™ Lithium-Ion Cordless Screwdriver Kit



- Quick-change chuck for convenient, one-handed bit changes
- Variable-speed trigger provides increased control
- On-board battery fuel gauge displays remaining run time
- Ergonomic handle for increased comfort
- Built-in LED illuminates work surface
- Includes 2 batteries, charger, #2 Phillips bit, flat bit and carrying case

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Volts	Chuck Size	Max. Torque	No Load Speed	Each
H85-781	2401-22	12	1/4" Hex	175 In./Lbs.	0–500 RPM	**245.00**

M12™ Lithium-Ion 3/8” Right Angle Cordless Drill/Driver ◀NEW



- Electronic clutch with 11 settings plus drill mode for complete control in fastening applications
- Single sleeve ratcheting chuck allows quick bit changes and maximum grip
- Extended paddle switch provides convenience and comfort
- On-board battery fuel gauge displays remaining run time

Order #	Mfg. #	Volts	Chuck Size	Max. Torque	No Load Speed	Each
H29-070 ◀	2415-20	12	3/8"	100 ft/lbs	0-800 RPM	**229.00**

M12™ Lithium-Ion 1/4” Hex Cordless Impact Driver Kit



- Designed for high speed fastening
- On-board battery fuel gauge displays remaining run time
- Ergonomic handle for increased comfort
- Built-in LED illuminates work surface
- Includes 2 batteries, charger, belt clip and carrying case

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Volts	Chuck Size	Max. Torque	No Load Speed	Blows Per Minute	Each
H85-784	2462-22	12	1/4" Hex	1,000 In./Lbs.	0–2,500 RPM	0–3,300	**315.00**

M12™ Lithium-Ion 3/8” Cordless Drill/Driver Kit



- On-board battery fuel gauge displays remaining run time
- Ergonomic handle for increased comfort
- All-metal ratcheting chuck for maximum durability
- Built-in LED illuminates work surface
- Includes 2 batteries, charger, belt clip and carrying case

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Volts	Chuck Size	Max. Torque	No Load Speed	Each
H85-783	2407-22	12	3/8"	275 In./Lbs.	0–400/0–1,500 RPM	**315.00**

M12™ Lithium-Ion Cordless Drill/Driver and Hex Impact Driver Combo Kit



- On-board battery fuel gauge displays remaining run time
- Ergonomic handle for increased comfort
- Built-in LEDs illuminate work surface
- 12V 3/8" drill/driver features 2-speed metal gear box (0-400 or 0-1,500 RPM), all-metal ratcheting chuck and 275 In./lbs. torque
- 12V 1/4" hex impact driver is designed for high speed fastening with up to 2,000 RPMs and 850 In./Lbs. torque
- Includes 2407-20 drill/driver, 2462-20 impact driver, 2 batteries, battery charger and carrying bag

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Volts	Each
H85-785	2494-22	12	**389.00**

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M12 FUEL™ Lithium-Ion Cordless Installation Drill/Driver Kit

- Unique and compact design for challenging applications
- 4 interchangeable attachments with 16 positions provides maximum versatility
- Includes offset, right angle, 3/8" chuck and 1/4" hex heads
- Flat top for easy drilling/fastening is tight spaces
- Inline grip for control and balance
- Built-in LED illuminates work surface
- Includes 2 battery packs, charger, belt clip and carrying case

Warning: This product contains lithium batteries and cannot be shipped by air



Hazardous Material Shipping Alert

Order #	Mfg. #	Each
H28-702	2505-22	**529.00**

M12 FUEL™ Lithium-Ion 1/4" Hex Cordless Impact Drivers

- Brushless motor
- 4-mode drive control
- 5" length and 2 pounds
- Tri-LED illuminates work area
- 3453-20 bare tool includes belt clip only
- 3453-22 kit includes 2 batteries, charger, belt clip and carrying case

Warning: This product contains lithium batteries and cannot be shipped by air



Hazardous Material Shipping Alert

Order #	Mfg. #	Volts	Chuck Size	Max. Torque	No Load Speed	Blows Per Minute	Each
H86-220	3453-20	12	1/4"	1,500 In./Lbs.	0-3,600 RPM	0-4,000	**315.00**
H86-221	3453-22	12	1/4"	1,500 In./Lbs.	0-3,600 RPM	0-4,000	**385.00**

M12 FUEL™ Lithium-Ion 1/2" Cordless Drill/Drivers

- Brushless motor
- Mechanical clutch
- 5.9" length and 2.5 pounds
- LED illuminates work area
- 3403-20 bare tool includes belt clip only
- 3403-22 kit includes 2 batteries, charger, belt clip and carrying case

Warning: This product contains lithium batteries and cannot be shipped by air



Hazardous Material Shipping Alert

Order #	Mfg. #	Volts	Chuck Size	Max. Torque	No Load Speed	Each
H86-222	3403-20	12	1/2"	400 in./Lbs.	0-1,500 RPM	**315.00**
H86-223	3403-22	12	1/2"	400 in./Lbs.	0-1,500 RPM	**409.00**

M12™ Lithium-Ion Cordless PVC Shear Kit

- Cuts up to 2" PVC in 3 seconds
- Variable-speed trigger for increased control
- All-metal drive delivers more than 200 cuts per charge
- Ultra-sharp 3mm blade eliminates burrs and shavings
- Quick-return mechanism saves time when making repetitive cuts
- Convenient offset blade facilitates cutting of PVC in walls, close to walls or in the ground
- Stainless steel reinforced blade and aluminum jaw is resistant to impact, water and rust for a longer tool life
- Includes battery, charger and carrying case

Warning: This product contains lithium batteries and cannot be shipped by air



Hazardous Material Shipping Alert

Order #	Mfg. #	Volts	Max. Torque	Each
H85-853	2470-21	12	1,900 In./Lbs.	**549.00**

M12 FUEL™ Lithium-Ion 1/2" Cordless Hammer Drill/Drivers

- Brushless motor
- Mechanical clutch
- 6" length and 2.6 pounds
- LED illuminates work area
- 3404-20 bare tool includes belt clip only
- 3404-22 kit includes 2 batteries, charger, belt clip and carrying case

Warning: This product contains lithium batteries and cannot be shipped by air



Hazardous Material Shipping Alert

Order #	Mfg. #	Volts	Chuck Size	Max. Torque	No Load Speed	Blows Per Minute	Each
H86-224	3404-20	12	1/2"	400 in./Lbs.	0-1,500 RPM	0-25,500	**335.00**
H86-225	3404-22	12	1/2"	400 in./Lbs.	0-1,500 RPM	0-25,500	**435.00**

HACKZALL™ M12™ Lithium-Ion Cordless Recip Saw Kits



- Compact and lightweight for cutting in tight spaces
- Variable speed trigger for increased control
- Keyless QUIK-LOK™ blade clamp allows for quick and easy blade changes
- All-metal gear case for added durability
- On-board battery fuel gauge displays remaining run time
- Ergonomic handle for increased comfort
- Built-in LED illuminates work surface
- Includes battery, charger and carrying bag
- 2520-21XC FUEL model features a brushless motor that provides constant power output while running cooler and quieter with no wearable components

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Volts	Strokes/Min.	Stroke Length	Each
H85-788	2420-21	12	0–3,000	1/2"	**355.00**
H85-850	2520-21XC	12	0–3,000	1/2"	**415.00**

M12 FUEL™ Lithium-Ion Cordless Hammer Drill/Driver and Hex Impact Drive Combo Kit



- Brushless motor
- LED illuminates work area
- 1/2" Hammer Drill/Driver has mechanical clutch, 400 in./Lbs. torque, 0-1,500 RPM and 0-25,500 blows per minute
- 1/4" Hex Impact Driver has 4-mode drive control, 1,500 in./Lbs. torque, 0-3,600 RPM and 0-4,000 blows per minute
- Includes 3404-20 M12 FUEL™ 1/2" Hammer Drill/Driver, 3453-20 M12 FUEL™ 1/4" Hex Impact Driver, 2 batteries, charger, belt clips and carrying case

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Volts	Each
H86-226	3497-22	12	**549.00**

M18™ Lithium-Ion Cordless Compact Heat Gun

NEW



- 30% faster heat up than corded versions, ready in 6 seconds
- Convenient compact design
- 40 uses on a single charge
- Built-in LED illuminates work surface

Order #	Mfg. #	Each
H29-073 ◀	2688-20	**329.00**

M18 FUEL™ Lithium-Ion 1/4" Hex Cordless Impact Drivers



- Brushless motor
- 4-mode drive control
- 4.47" length and 2.2 pounds
- Tri-LED illuminates work area
- 2953-20 bare tool includes belt clip only
- 2953-22 kit includes 2 batteries, charger, belt clip and carrying case

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Volts	Chuck Size	Max. Torque	No Load Speed	Blows Per Minute	Each
H86-227	2953-20	18	1/4"	2,000 In./Lbs.	0-3,900 RPM	0-4,400	**335.00**
H86-228	2953-22	18	1/4"	2,000 In./Lbs.	0-3,900 RPM	0-4,400	**725.00**

M18™ Lithium-Ion 1/2" Cordless Drill/Driver Kit



- Compact design for greater accessibility in tight work spaces
- All-metal gear case and chuck for maximum durability
- On-board battery fuel gauge displays remaining run time
- Ergonomic handle for increased comfort
- Built-in LED illuminates work surface
- Includes 2 batteries, 12V/18V multi-voltage charger and carrying case

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Volts	Chuck Size	Max. Torque	No Load Speed	Each
H85-789	2606-22CT	18	1/2"	500 In./Lbs.	0–400/0–1,800 RPM	**455.00**

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M18 FUEL™ Lithium-Ion 1/2" Cordless Drill/Drivers

- Brushless motor
- Mechanical clutch
- 6.9” length and 3.2 pounds
- Tri-LED illuminates work area
- 2903-20 bare tool includes side handle and belt clip only
- 2903-22 kit includes 2 batteries, charger, side handle, belt clip and carrying case

Warning: This product contains lithium batteries and cannot be shipped by air



Hazardous Material Shipping Alert

Order #	Mfg. #	Volts	Chuck Size	Max. Torque	No Load Speed	Each
H86-229	2903-20	18	1/2"	1,400 In./Lbs.	0-2,100 RPM	**395.00**
H86-230	2903-22	18	1/2"	1,400 In./Lbs.	0-2,100 RPM	**699.00**

M18 FUEL™ Lithium-Ion 1/2" Cordless Hammer Drill/Drivers

- Brushless motor
- Mechanical clutch
- 6.9” length and 4.9 pounds
- Tri-LED illuminates work area
- 2904-20 bare tool includes side handle and belt clip only
- 2904-22 kit includes 2 batteries, charger, side handle, belt clip and carrying case

Warning: This product contains lithium batteries and cannot be shipped by air



Hazardous Material Shipping Alert

Order #	Mfg. #	Volts	Chuck Size	Max. Torque	No Load Speed	Blows Per Minute	Each
H86-231	2904-20	18	1/2"	1,400 In./Lbs.	0-2,100 RPM	0-33,000	**449.00**
H86-232	2904-22	18	1/2"	1,400 In./Lbs.	0-2,100 RPM	0-33,000	**725.00**

M18™ Lithium-Ion 1/2” Cordless Hammer Drill Kit ◀ NEW

- Compact design for greater accessibility in tight work spaces
- Variable speed trigger for increased control
- On-board battery fuel gauge displays remaining run time
- Ergonomic handle for increased comfort
- Built-in LED illuminates work surface
- Includes 2 extended capacity battery packs, 12V/18V multi-voltage charger and carrying case



Order #	Mfg. #	Volts	Chuck Size	Max. Torque	No Load Speed	Blows Per Minute	Each
H29-072 ◀	2607-22CT	18	1/2"	525 in/lbs	0-400/1,800 RPM	0-28,800	**585.00**

M18 FUEL™ Lithium-Ion Cordless Hammer Drill/Driver and Hex Impact Driver Combo Kit

- Brushless motor
- LED illuminates work area
- 1/2" Hammer Drill/Driver has mechanical clutch, 400 in./Lbs. torque, 0-1,500 RPM and 0-25,500 blows per minute
- 1/4" Hex Impact Driver has 4-mode driver control, 1,500 in./Lbs. torque, 0-3,600 RPM and 0-4,000 blows per minute
- Includes 2904-20 M18 FUEL™ 1/2" Hammer Drill/Driver, 2953-20 M12 FUEL™ 1/4" Hex Impact Driver, 2 batteries, charger, side handle, belt clips and carrying case

Warning: This product contains lithium batteries and cannot be shipped by air



Hazardous Material Shipping Alert

Order #	Mfg. #	Volts	Each
H86-233	3697-22	18	**959.00**

M18™ Lithium-Ion Cordless Drill/Driver and Hex Impact Driver Combo Kit

- Compact design for greater accessibility in tight work areas
- 18V 1/2" drill/driver features 2-speed metal gear box (0-400 or 0-1,800 RPM), all-metal ratcheting chuck and 500 In./lbs. torque
- 18V 1/4" hex impact driver is designed for high speed fastening with up to 2,750 RPMs and 1,500 In./Lbs. torque
- On-board battery fuel gauge displays remaining run time
- Ergonomic handle for increased comfort
- Built-in LEDs illuminate work surface
- Includes 2606-20 drill/driver, 2656-20 impact driver, 2 compact batteries, 12V/18V multi-voltage charger and carrying bag

Warning: This product contains lithium batteries and cannot be shipped by air



Hazardous Material Shipping Alert

Order #	Mfg. #	Volts	Each
H85-906	2691-22	18	**505.00**

M18™ Lithium-Ion 4-Tool Cordless Combo Kits



- 18V 1/2" hammer drill/driver features 2-speeds (0–400 or 0–1,800 RPM), all-metal ratcheting chuck and 500 In./Lbs. torque
- 18V 1/4" hex impact driver is designed for high speed fastening with up to 2,750 RPMs and 1,500 In./Lbs. torque
- 18V recip saw features a variable speed trigger for greater control and keyless blade clamp for easy blade changes
- 18V work light features a xenon incandescent bulb to maximize brightness over work areas and a convenient fold-away utility hook for hands-free use
- On-board battery fuel gauge displays remaining run time
- Ergonomic handle for increased comfort
- Built-in LEDs illuminate work surface
- Includes 2607-20 hammer drill/driver, 2656-20 impact driver, 2620-20 Sawzall (**H85-794**) or 2625-20 Hackzall (**H85-960**), work light, 2 extended capacity batteries, 12V/18V multi-voltage charger and carrying bag

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Volts	Each
H85-794	2696-24	18	**1299.00**
H85-960	2695-24	18	**1199.00**

M18™ Lithium-Ion Cordless Double Cut Shears



- 360° tool-free rotating head
- Variable speed trigger for increased control
- 18-gauge steel capacity
- 20-gauge stainless steel capacity

Order #	Mfg. #	Volts	Capacity	Each
H86-042	2635-20	18	18 Gauge (Steel), 20 Gauge (Stainless Steel)	**555.00**

HACKZALL® M18™ Lithium-Ion Cordless Recip Saw



- Compact and lightweight for cutting in tight spaces
- Variable speed trigger for control
- Keyless blade clamp for quick and easy blade changes
- All-metal gear case for durability
- On-board battery fuel gauge display
- Ergonomic handle for comfort
- Built-in LED

Order #	Mfg. #	Volts	Strokes/Min.	Stroke Length	Each
H86-242	2625-20	18	0-3,000	3/4"	**265.00**

Sawzall® M18™ Lithium-Ion Cordless Recip Saws ◀NEW



- Variable speed trigger for increased control
- Keyless QUIK-LOK™ blade clamp allows for quick and easy blade changes
- Patented gear-protecting clutch extends the life of the tool
- On-board battery fuel gauge displays remaining run time
- Ergonomic handle for increased comfort
- Built-in LED illuminates work surface
- **H85-852** Includes extended capacity battery, 12V/18V multi-voltage charger and carrying case
- **H85-852** FUEL model features a brushless motor that provides constant power output while running cooler and quieter with no wearable components

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Volts	Strokes/Min.	Stroke Length	Each
H29-065 ◀	2621-20	18	0-3,000	1-1/8"	**319.00**
H85-852	2821-21	18	0-3,000	1-1/4"	**755.00**

M18™ Lithium-Ion Cordless Transfer Pump



- Connect and go with self-priming pump
- Pumps up to 480 gallons per hour
- Generates lift up to 18' and head height up to 75'
- Pump automatically shuts off without water flow to avoid dry pumping
- 3/4" brass inlet and outlet connections
- 2771-20 is bare tool only (no battery), 2771-21 includes extended capacity battery and 12V/18V multi-voltage charger

Order #	Mfg. #	Volts	Each
H28-441	2771-20	18	**505.00**

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M12™ Rocket™ Lithium-Ion LED Tower Light

- 1,400 lumen output
- 2 output modes (high and low)
- Light head rotates 210° and pivots 270° for light in any direction
- Extends from 31" to 68" with three side handles for easy transportation and storage
- Impact resistant with reinforced legs
- Battery sold separately



Order #	Mfg. #	Volts	Each
G81-005	2132-20	12	**365.00**

M12™ Lithium-Ion LED Compact Flood Light

- High definition output with true color rendering and an even beam pattern
- 3 modes: high (1,000 lumens), medium (400 lumens) and low (200 lumens)
- Multiple hanging options including 2 powerful magnets, spring loaded clamp, key hole hanger and wire hanger
- Impact and chemical resistant lens
- Battery sold separately



Order #	Mfg. #	Volts	Each
G37-527	2364-20	12	**179.00**

M12™ TRUEVIEW™ Lithium-Ion LED Spot Light

- 750 lumen output
- 3 output modes (high, low and strobe)
- Impact and water resistant
- Battery sold separately



Order #	Mfg. #	Volts	Each
G37-623	2353-20	12	**155.00**

M18™ ROCKET™ Lithium-Ion LED Tower Light

- 2,000 lumen output
- 3 output modes (high, medium and low)
- Sets up in 5 seconds with 7' maximum height and collapses to 40"
- Impact-resistant lens and bezel with reinforced legs
- Battery sold separately



Order #	Mfg. #	Volts	Each
G80-984	2131-20	18	**519.00**

M18™ Lithium-Ion Work Light

- Compact and lightweight
- Compatible with 18V batteries and features 135-degree rotating head and fold-away utility hook for hands-free use
- Battery sold separately



Order #	Mfg. #	Volts	Each
G36-972	2735-20	18	**135.00**

M18™ Lithium-Ion LED Flood Light

- 1,100 lumen output
- Up to 8-hour runtime
- Innovative impact-resistant roll cage design with multiple positioning and hanging options
- Battery sold separately



Order #	Mfg. #	Volts	Each
G36-666	2361-20	18	**199.00**

M18™ ROVER™ Mounting Flood Light



- 1,500 lumen output
- 3 output modes (high, medium and low)
- Folding rotating light head design with multiple hanging options including 2 powerful magnets and spring loaded clamp
- Impact and chemical resistant lens
- Battery sold separately

Order #	Mfg. #	Volts	Each
G81-006	2365-20	18	**275.00**

M18™ Jobsite Radio/Charger



- Built-in charger for quick and convenient charging of all M18™ batteries
- Exclusive digital Bluetooth® receiver allows wireless audio streaming from over 100 feet away
- USB power port for phone/tablet charging
- Premium speakers with 40W amplifier and equalizer for enhanced sound
- Reinforced roll cage and metal handles for added protection
- Weather-sealed compartment offers on-board storage for phones and other small items
- Onboard bottle opener for convenience on and off the jobsite
- Includes 2 AAA batteries and a 16" auxiliary input cord

Order #	Mfg. #	Volts	Each
H85-854	2792-20	18	**539.00**

Replacement Batteries and Chargers

◀ NEW

Warning: This product contains lithium batteries and cannot be shipped by air



Order #	Mfg. #	Description	Volts	Each
H27-710	48-11-2420	M12 REDLITHIUM™ 2.0 Compact Battery Pack	12	**169.00**
H27-711	48-11-2440	M12 REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack	12	**225.00**
H27-712	48-11-1820	M18 REDLITHIUM™ 2.0 Compact Battery Pack	18	**255.00**
H29-031 ◀	48-11-2460	M12™ REDLITHIUM™ XC6.0 Battery	12	**285.00**
H29-032 ◀	48-11-2412	M12™ REDLITHIUM™ XC3.0 Battery (2-Pack)	12	**295.00**
H29-119 ◀	48-11-1837	M18™ REDLITHIUM™ HIGH OUTPUT™ CP3.0 Battery Pack (2-Pack)	18	**415.00**
H28-481	48-11-1822	M18 REDLITHIUM™ XC3.0 Battery Pack (2-Pack)	18	**389.00**
H27-713	48-11-1840	M18 REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack	18	**335.00**
H28-179	48-11-1850	M18 REDLITHIUM™ XC 5.0 Battery Pack	18	**365.00**
H28-905	48-11-1852	M18™ REDLITHIUM™ XC5.0 Battery Pack (2-Pack)	18	**539.00**
H28-924	48-11-1862	M18™ REDLITHIUM™ XC6.0 Battery Pack (2-Pack)	18	**625.00**
H28-940	48-11-1880	M18™ REDLITHIUM™ XC8.0 Battery	18	**449.00**
H29-034 ◀	48-11-1812	M18™ REDLITHIUM™ HIGH OUTPUT™ HD12.0 Battery	18	**619.00**
H29-033 ◀	48-11-1861	M18™ REDLITHIUM™ FORGE™ XC6.0 Battery	18	**489.00**
H28-180	48-59-1807	M12 & M18 Multi-Voltage Rapid Charge Station	12/18	**525.00**
H27-714	48-59-1812	M12 & M18 Multi-Voltage Charger	12/18	**179.00**
H29-035 ◀	48-59-1815	M18™ Dual Bay Simultaneous Super Charger	18	**625.00**
H29-036 ◀	48-59-1809	M18™ PACKOUT™ Six Bay Rapid Charger	18	**615.00**

Hazardous Material Shipping Alert

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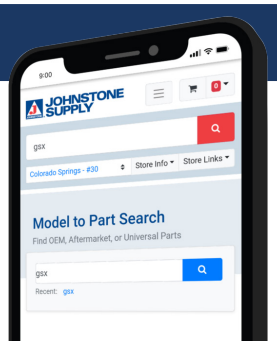

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Dual Temperature Heat Gun

- Dual temperature 570°F and 1000°F
- Heat shield and stay-cool handles for comfort
- 8' cord



Order #	Mfg. #	Each
H28-705	8975-6	**229.00**

Sawzall® Recip Saw

- Patented gear-protecting clutch extends the life of the tool
- Keyless QUIK-LOK™ blade clamp allows for quick and easy blade changes
- Counter weighted mechanism provides reduced vibration for smoother operation
- Includes carrying case



Order #	Mfg. #	Volts	Amps	Strokes/Min.	Stroke Length	Each
H85-795	6509-31	120	12.0	0–3000	3/4"	**325.00**

Heavy-Duty Super Sawzall®

◀ NEW

- Variable-speed trigger switch
- Precision ball and roller bearings
- Heavy-duty double bearing wobble plate mechanism
- Pivot shoe for work surface support
- Gear clutch absorbs high impact forces caused by blade lock-ups
- Includes 2-blade pack and impact resistant carrying case



Order #	Mfg. #	Volts	Amps	Strokes/Min.	Stroke Length	Each
H29-064 ◀	6538-21	120	13.0	0-2,800	1-1/4"	**469.00**

Heavy-Duty Corded Swivel Head Shear

- Variable-speed
- Aluminum gear case and diaphragm
- 360° swivel head cuts up to 15' per minute
- Continuous metal curl
- Cuts round holes, square holes and irregular holes



Order #	Mfg. #	Volts	Amps	Capacity	Strokes/Min.	Each
H24-938	6852-20	120	6.8	18 Gauge	0–2,500	**535.00**

Powerbox 1 Magnetic LED Power Strip

- Convenient power center for the jobsite
- Includes 4 AC outlets, 2 USB-A ports and a USB-C port for fast charging of cell phones, laptops and other compatible devices
- Built-in surge protection
- Integrated LED lights to illuminate work area
- 5-foot cord with extended strain relief for durability
- Powerful magnets for attaching to metal surfaces or use built-in hanging holes



Order #	Mfg. #	Each
H28-801	29601	**135.00**

Shaft Blaster

- Cuts motor shaft within the confines of the blower wheel
- Cuts motor shaft in about 20 seconds
- Precision machined aluminum housing
- Aluminum oxide grain cutting wheel for aggressive cutting action
- Stainless-steel quick-change arbor
- Tightens to motor shaft with thumb screw



Order #	Mfg. #	Description	Each
H28-687	SB100	Shaft Blaster	**335.00**
B22-123	SB3	Replacement Discs 3 Pk.	**69.00**

Right Angle Drill Attachment

- Compact design allows work in tight spaces
- Durable all metal housing and steel gears
- Rated up to 235 In-Lbs. of torque
- Accepts standard 1/4" hex shank bits



Order #	Mfg. #	Each
H27-729	49-22-8510	**145.00**

SHOCKWAVE™ 11-Piece Knuckle™ Bit Set



- Knuckle pivots to lock at a 0° or 30° angle for work in tight spaces
- Impact rated to withstand high RPMs and force of impact drivers
- Includes #1 Phillips, #2 Phillips, #3 Phillips, 1/4" slotted, 1/8" slotted, 3/16" slotted

Order #	Mfg. #	Each
H27-728	48-32-2301	75.00

SHOCKWAVE™ 32-Piece Driver Bit Set



- Impact rated to withstand high RPMs and force of impact drivers
- Forged tips for maximum grip
- Includes 1" Hex x 1/4" (1), 1" Hex x 3/16" (1), 1" Phillips P1 (1), 1" Phillips P2 (4), 1" Phillips P3 (1), 2" Phillips P2 (2), 1" Phillips Reduced PR2 (1), 1" Slotted x #10 (1), 1" Slotted x #8 (1), 2" Slotted x #10 (1), 1" Square SQ1 (1), 1" Square SQ2 (3), 1" Square SQ3 (1), 2" Square SQ2 (1), 1" TORX T15 (1), 1" TORX T20 (2), 1" TORX T25 (2), 1" TORX T30 (1), 2" TORX T20 (1), 2" TORX T25 (1), 1/4" magnetic nut driver (1), 5/16" magnetic nut driver (1) and magnetic bit holder

Order #	Mfg. #	Each
H28-074	48-32-4004	43.99

SHOCKWAVE Impact Duty™ Driver Bit Set - 54 Piece



- Designed for use with impact drivers and drill drivers
- Machined tips to prevent stripping and wobble
- Laser etched for easy identification
- Includes wide assortment of TORX, square, slotted, Phillips and hex bits as well as nut drivers, socket adapters and drill bits

Order #	Mfg. #	Each
H28-904	48-32-4010	65.00

KNECT™ Impact-Rated Pass Through Socket Set 32-Piece ◀ NEW



- Impact rated sockets and screwdriver bits for heavy-duty applications
- 7 sockets, 21 screwdriver bits, extension, impact adapter, 1/4" square adapter, and handle
- Includes 1/4, 5/16, 11/32, 3/8, 7/16, 1/2, and 9/16" hex sizes
- Pass through head for driving hex nuts on extended threaded rod
- 1/4" square adapter allows for use with traditional sockets
- 1/4" socket doubles as standard 1/4" bit holder
- Steel handle for comfort and durability
- Connects to MODbox

Order #	Mfg. #	Each
H29-086 ◀	65300	129.00

Flip Impact Socket Set



- Ten socket sizes within five sockets
- Two nested adapters 1/4", 1/2"
- 6-point design
- Cross hole to prevent separation
- Sizes include: 15/16" and 7/8", 3/4" and 13/16", 11/16" and 5/8", 9/16" and 1/2", 7/16" and 3/8"
- Carrying case included

Order #	Mfg. #	Each
H28-878	66070	125.00

KNECT™ ProFlex Impact Rated Driver Bit Set 40-Piece ◀ NEW



- Designed for use with impact and drill drivers
- 3 1/2" #2 Phillips and #2 Square bits for easier access
- 1/4" and 5/16" magnetic power nut drivers
- 3" bit extension
- ProFlex energy absorbing technology
- Connects to MODbox

Order #	Mfg. #	Description	Each
H29-088 ◀	33801	DRIVER BIT SET 40PC	65.00

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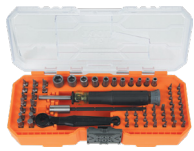
Precision Ratchet and Driver Set 64-Piece

NEW

KLEIN TOOLS

- 33 precision bits, 16 standard bits, 11 nut drivers, bit adapter, adjustable screwdriver, and micro-ratchet
- Magnetic and adjustable 1/4" bit holders for standard and precision bits
- Low profile micro-ratchet design provides maximum access and extra torque
- Spin cap offers precise control
- Cushion grip handle for greater torque and comfort
- Connects to MODbox



Order #	Mfg. #	Each
H29-087	32787	129.00

Thunderbolt® Black Oxide Drill Bit Sets

Milwaukee

- Designed for extreme durability and long life
- 135° split point to start on contact and eliminate walking
- 3-flat secure grip shank to reduce bit slipping in chuck
- **H27-723** includes 1/16", 11/64", 13/64", 1/4", 3/16", 3/32", 3/8", 5/16", 5/32", 5/64", 7/32", 7/64", 9/32" and 9/64"
- **H27-724** includes 1/16" (2), 11/64", 1/2", 13/64", 1/4" (2), 15/64", 1/8" (2), 3/16" (2), 3/32", 3/8", 5/16", 5/32", 5/64" (2), 7/32", 7/64" and 9/64"
- **H27-725** includes 11/32", 1/16", 11/64", 1/2", 13/32", 13/64", 1/4", 15/32", 15/64", 17/64", 1/8", 19/64", 21/64", 23/64", 25/64", 27/64", 29/64", 3/16", 31/64", 3/32", 3/8", 5/16", 5/32", 5/64", 7/16", 7/32", 7/64", 9/32" and 9/64"



Order #	Mfg. #	Description	Each
H27-723	48-89-2803	15-Piece Bit Set	75.00
H27-724	48-89-2801	21-Piece Bit Set	79.00
H27-725	48-89-2802	29-Piece Bit Set	195.00

Bell Hanger Drill Bits

Milwaukee

- Coated flutes for fast chip ejection and reduced binding
- Wire pulling hole at tip for installing small wire
- Secure-grip shank prevents slipping in the drill chuck



Order #	Mfg. #	Description	Each
H85-968	48-13-7225	1/4" x 18" Bell Hanger Drill Bit	35.99
H85-969	48-13-7237	3/8" x 18" Bell Hanger Drill Bit	41.49
H85-970	48-13-7325	1/4" x 24" Bell Hanger Drill Bit	47.99
H85-971	48-13-7337	3/8" x 24" Bell Hanger Drill Bit	55.00

Sheet Metal Double Ender Drill Bits

Malco

- 135° split point to start on contact and eliminate walking
- Bit at each end for twice the life
- 1/2" twist length



Order #	Mfg. #	Length	Pkg. Qty.	Diam.	Each
H28-337	DE18	2"	12	1/8"	75.00

C-RHEX® Sawtooth Magnetic Nut Drivers

NEW

Malco

- Sawtooth design for easy removal of sealants
- Integrated deep magnet for less cleaning
- Torque tested to equal one-piece drivers
- Manufactured with S2 hardened steel for extreme durability
- Available in 2" or 6" lengths



Order #	Mfg. #	Length	Hex Opening	Each
H28-868	MSHCST	2"	1/4" and 5/16"	65.00
H28-869	MSHXLCST	6"	1/4" and 5/16"	75.00
H29-021	MSHCST3	2"	3/8" and 7/16"	65.00
H29-022	MSHXLCST3	6"	3/8" and 7/16"	75.00

Pookie Buster Magnetic Hex Driver Set

MIDWEST
THE RIGHT TOOLS SINCE 1945

- Broach cut to quickly remove material from screw head and screw in one step
- Includes 1/4" and 5/16" drivers



Order #	Mfg. #	Each
H28-590	MWT-PBSET01	65.00

Drill Tap Tool Kit



- Drill, tap and deburr in one easy step
- 1/4" hex for easy quick connect with power tools
- For use with aluminum, brass, copper, plastic, and mild steel (up to 10 gauge metal)
- Includes 6-32 (2 pc.), 8-32 (2 pc.), 10-32, 10-24, 12-24 and 1/4-20 drill taps

Order #	Mfg. #	Each
H28-073	32217	**125.00**

Magnetic Hex Drivers



- 1/4" hex shank with quick release groove
- Strong rare earth magnets for maximum hold

Order #	Mfg. #	Length	Pkg. Qty.	Hex Opening	Each
H27-097	86600	1-3/4"	3	1/4"	**20.99**
H27-098	86601	1-3/4"	3	5/16"	**20.99**
H27-099	86602	1-3/4"	3	3/8"	**20.99**

Magnetic Hex Drivers



- Use with power drills or Connext quick change handles
- Hex drivers are color coded for easy size identification
- 1/4" power insert shanks

Order #	Mfg. #	Length	Hex Opening	Each
H27-529	MSH14	1-3/4"	1/4"	**10.49**
H27-530	MSH516	1-3/4"	5/16"	**12.99**
H27-102	MSHML14	4"	1/4"	**22.49**

Order #	Mfg. #	Length	Hex Opening	Each
H27-103	MSHML516	4"	5/16"	**25.99**
H27-104	MSHXL14	6"	1/4"	**32.49**
H27-105	MSHXL516	6"	5/16"	**37.49**

Dual-Sided Reversible Hex Drivers

NEW



- Quickly swap hex sizes
- Easy clean magnet
- Torque tested to equal one-piece drivers
- CRHEXKIT2 includes 2 handles

Order #	Mfg. #	Length	Hex Opening	Each
H28-440	MSHC	2"	1/4" and 5/16"	**15.99**
H28-557	MSHLC	2-5/8"	1/4" and 5/16"	**24.99**
H28-558	MSHMLC	4"	1/4" and 5/16"	**34.49**
H28-559	MSHXLC	6"	1/4" and 5/16"	**49.99**
H28-641	MSHC1	2"	5/16" and 3/8"	**18.49**
H28-642	MSHLC1	2-5/8"	5/16" and 3/8"	**25.99**
H28-643	MSHMLC1	4"	5/16" and 3/8"	**36.49**
H28-644	MSHXLC1	6"	5/16" and 3/8"	**55.00**
H29-018 ◀	MSHC3	2"	3/8" and 7/16"	**16.99**
H28-894	MSHCM3	2"	7mm and 8mm	**18.49**
H28-895	MSHMLCM3	4"	7mm and 8mm	**36.49**
H29-019 ◀	MSHMLC3	4"	3/8" and 7/16"	**33.49**
H29-020 ◀	MSHXLC3	6"	3/8" and 7/16"	**47.99**
H28-896	MSHXLCM3	6"	7mm and 8mm	**55.00**
H28-897	CRHEXKIT1	2", 4", 6"	1/4" and 5/16", 3/8" and 5/16"	**175.00**
H28-898	CRHEXKIT2	2", 4", 6"	1/4" and 5/16", 3/8" and 5/16"	**219.00**

3-in-1 Impact Flip Socket Sets



- Convenient flip socket allows for quick switching between 1/4" and 5/16" drive sizes
- Impact rated with a 1/4" quick-connect adapter
- Powerful Rare-Earth magnet securely holds bits and fasteners
- Precision machined and heat treated for long life

Order #	Mfg. #	Length	Hex Opening	Each
H28-798	32766	3"	1/4", 5/16"	**19.99**
H28-799	32767	5"	1/4", 5/16"	**24.49**
H28-816	32768	3" and 5" Set	1/4", 5/16"	**37.99**

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4-in-1 Metric Impact Flip Socket Set

NEW

KLEIN TOOLS

- Impact rated flip socket set features 4 integrated hex sizes
- 1/4" quick-connect adapter
- Includes 7, 8, 10 and 12 mm hex sizes
- Powerful Rare-Earth magnet securely holds bits and fasteners
- Handle not included



Order #	Mfg. #	Description	Length	Hex Opening	Each
H29-079	32932M	IMPACT FLIP SOCKET SET	3-1/2"	7mm, 8mm, 10mm and 12mm	**47.49**

6-in-1 Metric Impact Flip Socket Set

NEW

KLEIN TOOLS

- Includes 7, 8, 10, 12, 13 and 14 mm hex sizes hex sizes
- Compatible with all Klein quick-connect handles
- 1/4" quick-connect adapter
- Powerful Rare-Earth magnet securely holds bits and fasteners



Order #	Mfg. #	Description	Length	Hex Opening	Each
H29-080	32933M	IMPACT FLIP SOCKET SET	5"	7mm, 8mm, 10mm, 12mm, 13mm and 14mm	**48.99**

7-in-1 Impact Flip Socket Set

KLEIN TOOLS

- Impact rated flip socket set features 6 integrated hex sizes plus a 1/4" bit holder
- 1/4" quick-connect adapter
- Includes 1/4", 5/16", 3/8", 7/16", 1/2" and 9/16" nut driver sizes
- Powerful rare-earth magnet securely holds bits and fasteners
- Sockets are color coded for easy identification
- Detachable sockets allow for easy removal of metal shavings



Order #	Mfg. #	Length	Hex Opening	Each
H28-985	32933	5"	1/4", 5/16", 3/8", 7/16", 1/2", 9/16"	**48.99**

9-in-1 Impact Flip Socket Set

NEW

KLEIN TOOLS

- Impact rated flip socket set features 8 integrated hex sizes
- 1/4" quick-connect adapter
- Includes 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, and 3/4" hex sizes
- Powerful Rare-Earth magnet securely holds bits and fasteners
- Handle not included

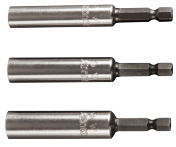


Order #	Mfg. #	Description	Length	Hex Opening	Each
H29-081	32934	IMPACT FLIP SOCKET SET	6-1/2"	1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"	**75.00**

Magnetic Power Nut Drivers

KLEIN TOOLS

- Hollow shaft magnetic nut drivers designed for long bolts, studs or threaded rod
- Wrench assist end is designed for high torque loosening
- Impact rated to withstand high RPMs and force of impact drivers



Order #	Mfg. #	Description	Length	Hex Opening	Each
H27-674	32759	3-Pc. Power Nut Driver Set	2"	1/4", 5/16" and 3/8"	**85.00**
H27-675	PND7165	Power Nut Driver	5"	7/16"	**59.00**
H27-676	PND125	Power Nut Driver	5"	1/2"	**59.00**

Power Driver Bits

KLEIN TOOLS

- Precision machined and heat treated to ensure long life and consistent fit
- Impact rated to withstand high RPMs and force of impact drivers



Order #	Mfg. #	Description	Length	Pkg. Qty.	Size	Each
H27-680	PH1-35-5	Phillips Bit	3-1/2"	5	#1	**35.99**
H27-684	PH2-6-2	Phillips Bit	6"	2	#2	**23.49**
H27-686	SL316-35-5	Slotted Bit	3-1/2"	5	3/16"	**34.99**
H27-688	SL14-35-5	Slotted Bit	3-1/2"	5	1/4"	**35.99**

SHOCKWAVE™ Impact Magnetic Nut Drivers



- For all fastening applications
- Heat treated for durability
- Magnetic for secure grip and bit engagement
- Color-coded rings for size identification
- 10-Pack

Order #	Mfg. #	Length	Pkg. Qty.	Hex Opening	Each
H28-828	49-66-0707	2-9/16"	10	7mm	**79.00**

Power Bit Extensions



- Accepts 1/4" hex power bits
- Ball bearing on holder provides positive lock on 1/4" hex shank power bits
- Made of tempered steel

Order #	Mfg. #	Length	Each
H26-027	BHE6	6"	**37.99**
H26-028	BHE10	10"	**41.99**

TurboCrimper® IMPACT



- Crimps 24 to 30 gauge galvanized round duct, including spiral duct
- 5 times faster than hand crimpers
- Requires 12V (minimum) cordless or 7A (maximum) corded impact driver with 1/4" quick release chuck

Order #	Mfg. #	Each
H28-336	C5A2	**435.00**

TurboShear and TurboShear HD



A



B

- Easily turn your drill into a power shear
- TurboShear attaches to any standard 1,200 RPM corded or cordless drill with 3/8" or larger chuck
- TurboShear HD features 360° rotating head and attaches to most 14.4V or larger corded or cordless drills
- 20 gauge sheet metal capacity on TurboShear, 18 gauge on TurboShear HD (including 20 gauge spiral duct and layered metal seams)
- Shear cuts straight and to the left
- TurboShear requires 1/2" starting hole 1" starting hole on TurboShear HD

Fig.	Order #	Mfg. #	Description	Each
A	**H26-198**	TS1	TurboShear	**155.00**
B	**H28-206**	TSMD	TurboShear Double-Cut	**355.00**
B	**H26-365**	TSHD	TurboShear HD	**299.00**

TurboShear Replacement Parts and Accessories

Order #	Mfg. #	Description	Each
H26-199	TS1RB	TurboShear Replacement Blades	**85.00**
H26-327	TSDC	TurboShear Drill Clamp	**65.00**

Order #	Mfg. #	Description	Each
H26-366	TSHDRB	TurboShear HD Replacement Blades	**125.00**
H28-207	TSMDRB	TurboShear Double-Cut Replacement Blade	**159.00**

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SAWZALL® Standard Blades

- Ideal for straight cuts
- Optimized tooth design for longer life than standard bi-metal blades

Order #	Mfg. #	Description	Teeth/Inch	Length	Pkg. Qty.	Each
H28-949	48-00-5181	Schedule 80 Pipe, Angle Iron	14	4"	5	**21.49**
H28-950	48-00-5183	Rigid Conduit, Strut	18	4"	5	**21.49**
H28-952	48-01-6035	Nail Embedded Wood	5	6"	50	**249.00**
H28-956	48-00-5092	Schedule 80 Pipe, Threaded Rod	10	6"	5	**25.49**
H28-957	48-01-6184	Rigid Conduit, Strut	18	6"	50	**215.00**
H27-834	48-00-5015	Clean Wood	6	6"	5	**38.99**
H27-839	48-00-5035	Wood with Nails	5	6"	5	**29.49**
H27-842	48-00-5091	Copper, Aluminum, Metals, PVC, Wood with Nails, and Cast Iron	8/12	6"	5	**25.99**
H27-845	48-00-5182	Schedule 80 Pipe, Angle Iron	14	6"	5	**25.49**
H27-846	48-00-5184	Rigid Conduit, Strut	18	6"	5	**25.49**
H27-847	48-00-5186	EMT/Tube, Duct/Sheet Metal	24	6"	5	**25.49**
H27-843	48-00-5093	Copper, Aluminum, Metals, PVC/Plastic, Wood with Nails	8/12	8"	5	**33.49**
H27-849	48-00-5188	Rigid Conduit, Strut	18	9"	5	**32.49**
H27-848	48-00-5187	Scheduled 80 Pipe, Angle Iron	14	9"	5	**32.49**
H27-835	48-00-5016	Clean Wood, Plastics	6	9"	5	**55.00**
H27-840	48-00-5036	Wood with Nails	5	9"	5	**38.49**
H27-844	48-00-5094	Copper, Aluminum, PVC/Plastic, Wood with Nails, Metals	8/12	12"	5	**48.99**
H27-841	48-00-5037	Wood with Nails	5	12"	5	**43.99**
H28-960	48-00-5194	Copper/Aluminum, PVC, Wood with Nails, Metal	10/14	12"	5	**45.99**
H28-961	48-00-5189	Rigid Conduit, Strut	18	12"	5	**40.99**



WRECKER™ SAWZALL® Blades

- Ideal for multi-material demolition cutting
- 7/11 TPI for wide material variety
- Optimized for fast plunging and increased speed

Order #	Mfg. #	Description	Teeth/Inch	Length	Pkg. Qty.	Each
H28-955	48-00-5701	Wood with Nails, PVC, Copper and Aluminum	7/11	6"	5	**34.99**
H27-859	48-00-5706	Wood with Nails, PVC/Plastic, Copper, Aluminum, Metals	7/11	6"	5	45.49



TORCH™ SAWZALL® Blades

- Ideal for cuts in all metals 3/16" thick and greater
- NITRUS CARBIDE™ technology dissipates heat for 5X longer life
- 8 TPI design for fast, smooth cuts

Order #	Mfg. #	Description	Teeth/Inch	Length	Pkg. Qty.	Each
H28-954	48-00-5261	Cast Iron, Black Pipe, Angle Iron, Rebar	8	6"	1	**39.49**
H27-850	48-00-5712	Scheduled 80 Pipe, Threaded Rod	10	6"	5	**34.49**
H27-852	48-00-5782	Scheduled 80 Pipe, Angle Iron	14	6"	5	**34.49**
H27-853	48-00-5784	Rigid Conduit, Strut	18	6"	5	**34.49**
H27-854	48-00-5786	EMT/Tube, Duct/Sheet Metal	24	6"	5	**34.49**
H28-959	48-00-5262	Cast Iron, Black Pipe, Angle Iron, Rebar	8	9"	1	**55.00**
H27-851	48-00-5713	Scheduled 80 Pipe, Threaded Rod	10	9"	5	**45.49**
H27-855	48-00-5787	Scheduled 80 Pipe, Angle Iron	14	9"	5	**45.49**
H27-856	48-00-5788	Rigid Conduit, Strut	18	9"	5	**45.49**
H27-857	48-00-5790	EMT/Tube, Duct/Sheet Metal	24	9"	5	**45.49**
H27-858	48-00-5791	EMT/Tube, Duct/Sheet Metal	24	12"	5	**59.00**



The AX™ SAWZALL® Blades

- Carbide Teeth
- 5 TPI for fast, aggressive cuts
- 50X longer life over standard bi-metal blades
- Optimized for cordless recip saws
- NAIL GUARD™ and FANG TIP™ technology

Order #	Mfg. #	Description	Teeth/Inch	Length	Pkg. Qty.	Each
H28-953	48-00-5221	Nail Embedded Wood, Abrasives	5	6"	1	**19.49**
H27-836	48-00-5021	Wood with Nails	5	6"	5	**35.99**
H28-958	48-00-5526	Nail Embedded Wood, Abrasives	5	9"	5	**119.00**
H27-837	48-00-5026	Wood with Nails	5	9"	5	**47.49**
H27-838	48-00-5027	Wood with Nails	5	12"	5	**55.00**



Carbide Grit SAWZALL® Blades



- Ideal for cuts in abrasive materials
- Carbide grit design

Order #	Mfg. #	Teeth/Inch	Length	Pkg. Qty.	Each
H27-827	48-00-1420	Grit	6"	3	**32.49**
H27-828	48-00-1430	Grit	9"	3	**45.99**

SAWZALL® Specialty Blades



- Ideal for window and door cut-outs
- Unique design for straight cuts in bottom plates
- NAIL GUARD™ and FANG TIP™ technology for durability

Order #	Mfg. #	Description	Teeth/Inch	Length	Pkg. Qty.	Each
H27-833	48-00-1640	Drywall Access	6	2-1/2"	1	**11.99**
H27-832	48-00-1630	Ductwork	30	3-1/3"	5	**37.99**
H27-829	48-00-1440	Brick and Block	Grit	6"	1	**29.99**
H28-951	48-00-5041	Wood Scrolling	4/6	6"	5	**33.99**
H27-831	48-00-1610	Rough-In	5	7-3/8"	5	**45.99**
H27-830	48-00-1450	Brick and Block	Grit	9"	1	**37.99**

General Purpose Reciprocating Blades



- Tuff Tooth™ design cuts stronger, faster and longer

Order #	Mfg. #	Description	Thickness	Teeth/Inch	Length	Pkg. Qty.	Each
H24-655	20552418R	Metal 1/8" to 1/4", Conduit	.035	18	4"	5	**30.49**
H24-654	20550414R	Metal 1/4" to 1/2"	.035	14	4"	5	**30.49**
H24-658	20568624R	Metal Pipe 18 ga. and under	.035	24	6"	5	**39.99**
H24-657	20566618R	Metal 1/8" to 1/4" Conduit	.050	18	6"	5	**39.99**
H28-444	22751OSB618R	Metal 1/8" to 1/4" Conduit	.050	18	6"	50	**6.45**
H24-656	20564614R	Metal 1/4" to 1/2"	.035	14	6"	5	**39.99**
H25-043	20562610R	Wood, Plastics, Some Metals	.035	10	6"	5	**39.99**
H23-981	20572656R	Rough-in Work in Wood	.050	6	6"	5	**46.99**
H28-443	22750OSB656R	Rough-in Work in Wood	.050	6	6"	50	**7.29**
H25-240	20556676RC	Wood Contour	.050	6	6"	5	**49.99**
H25-239	20578818R	Metal 1/8" to 1/4" Conduit	.035	18	8"	5	**49.99**
H24-659	20580810R	Wood, Cast Aluminum, Plastic	.050	10	8"	5	**49.99**
H25-241	20582956R	Rough-in Work in Wood	.050	6	9"	5	**65.00**
H26-206	21510118R	Structural Steel, Pipe & Stainless — 1/16" to 3/16"	.035	18	12"	5	**69.00**
H28-531	21511B118R	Structural Steel, Pipe & Stainless – 1/16" to 3/16"	.035	18	12"	25	**309.00**
H26-205	20585156R	Rough-in Work in Wood	.050	6	12"	5	**79.00**
H25-238	20583110R	Wood, Cast Aluminum, Plastic	.050	10–14	12"	5	**79.00**

Power Arc Curved Reciprocating Blades



- Aggressive blade design optimizes angle for faster cutting
- Power arc technology delivers 2 times blade life of traditional reciprocating blades
- Titanium coating provides additional wear-resistance and keeps blades sharp

Order #	Mfg. #	Description	Thickness	Teeth/Inch	Length	Pkg. Qty.	Each
H26-466	21072624GR	Metal Pipe 18 Ga. and Under	.035	24	6"	5	**46.99**
H26-464	21069618GR	Metal 1/8" to 1/4", Conduit	.035	18	6"	5	**46.99**
H26-465	21070818GR	Metal 1/8" to 1/4", Conduit	.035	18	8"	5	**59.00**
H26-463	21067614GR	Metal 1/4" to 1/2"	.035	14	6"	5	**46.99**
H26-461	21060656GR	Rough-In Work In Wood	.050	6	6"	5	**59.00**
H26-462	21062956GR	Rough-In Work In Wood	.050	6	9"	5	**75.00**

Heavy-Duty Reciprocating Blades



- Tuff Tooth™ design cuts stronger, faster and longer
- 44% thicker than standard blades
- Increased thickness eliminates side-to-side whipping

Order #	Mfg. #	Description	Thickness	Teeth/Inch	Length	Pkg. Qty.	Each
H26-200	20592650R	3/16" to 3/4"	.050	10–14	6"	2	**19.49**

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Heavy-Duty Lazer™ Reciprocating Blades

LENOX

- Tuff Tooth™ design cuts stronger, faster and longer
- 1" wide by .042 for optimized performance
- Designed to cut pipe, structural steel and stainless steel



Order #	Mfg. #	Description	Thickness	Teeth/Inch	Length	Pkg. Qty.	Each
H26-362	201726114R	Pipe, Structural Steel and Stainless Steel	.042	14	6"	5	**59.00**
H26-363	201746118R	Pipe, Structural Steel and Stainless Steel	.042	18	6"	5	**59.00**
H26-364	201789114R	Pipe, Structural Steel and Stainless Steel	.042	14	9"	5	**69.00**

Lazer CT™ Carbide Tipped Reciprocating Blades

LENOX

- Carbide tips provide high performance in cast iron and stainless steel applications
- Up to 10 times longer life than standard bi-metal reciprocating blades
- Tall blade profile delivers straight cuts and long life in demanding metal cutting applications
- Each tooth is precision ground to quickly cut through difficult metals



Order #	Mfg. #	Description	Thickness	Teeth/Inch	Length	Pkg. Qty.	Each
H28-507	2014220	Cast Iron and Stainless Steel	0.052	8	6"	1	**33.49**
H28-508	2014224	Cast Iron and Stainless Steel	0.052	8	9"	1	**43.99**

Demolition Reciprocating Blades

LENOX

- Tuff Tooth™ design cuts stronger, faster and longer
- 77% thicker than standard blades
- Increased thickness eliminates side-to-side whipping



Order #	Mfg. #	Description	Thickness	Teeth/Inch	Length	Pkg. Qty.	Each
H26-204	205126066R	Nail-Embedded Wood	.062	6	6"	2	**20.49**
H25-608	20598966R	Wood	.062	6	9"	2	**26.99**
H25-637	20597960R	Metal	.062	10	9"	2	**26.99**

Plaster Master Reciprocating Blade

LENOX

- Tuff Tooth™ design cuts stronger, faster and longer
- Ideal for plasterboard and lath
- Bi-directional blade is ideal for cutting wall plates, ceiling tiles and abrasive materials



Order #	Mfg. #	Thickness	Teeth/Inch	Length	Pkg. Qty.	Each
H26-207	20570636RP	.050	6	6"	5	**46.99**

General Purpose Hole Saw Kit

LENOX

- Kit includes 12 popular sizes: 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/2" and 3" (16, 19, 22, 25, 29, 32, 35, 38, 44, 51, 64 and 76mm)
- Kit also includes both a 1L and 2L arbor (1/2" chuck), 3 spare pilot drills and a plastic case



Order #	Mfg. #	Each
H25-781	308201200G	**465.00**

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Refrigeration Hole Saw Kit

- Kit includes 6 sizes: 5/8", 7/8", 1-1/8", 1-3/8", 1-5/8" and 2-1/8" diameter
- High-speed bimetal vari-tooth hole saws cut all materials, including stainless steel
- 4.5/5.5 teeth per inch, cuts to 1-1/2" depth
- Kit includes 5L and 6L arbors, spare pilot drill and plastic case

Order #	Mfg. #	Each
H25-205	30830600R	**265.00**

LENOX



Plumber's Hole Saw Kit

- Kit includes 6 sizes: 3/4", 7/8", 1-1/8", 1-1/2", 1-3/4" and 2-1/4" diameter hole saws
- Cuts through 2" x 4" and stainless steel
- 1-1/2" cutting depth
- Bimetal construction, 4.5/5.5 vari-tooth
- Kit includes a 2L and 5L arbors, spare pilot drill, arbor adapter and plastic case

Order #	Mfg. #	Each
H25-243	30808600P	**289.00**

LENOX



Electrician's Hole Saw Kit

- Kit includes 6 sizes frequently used for pipe and conduit entrance: 7/8", 1-1/8", 1-3/8", 1-3/4", 2" and 2-1/2" (22, 29, 35, 44, 51 and 64mm)
- Kit also includes both a 2L and 5L arbor (1/2" chuck), an arbor adapter, spare pilot drill and a plastic case

Order #	Mfg. #	Each
H25-782	30800600L	**305.00**

LENOX



Hole Saws

- Cuts all materials including stainless steel to 1-1/2" cutting depth
- Reduced stress on teeth
- Arbor adapter sold separately

Order #	Mfg. #	Diam.	Each
H24-646	10L	5/8"	**26.99**
H25-387	12L	3/4"	**26.99**
H24-647	14L	7/8"	**26.99**
H26-334	16L	1"	**28.99**
H24-648	18L	1-1/8"	**28.99**
H26-335	20L	1-1/4"	**28.99**
H24-649	22L	1-3/8"	**30.99**
H25-386	24L	1-1/2"	**30.99**
H24-650	26L	1-5/8"	**30.99**
H25-385	28L	1-3/4"	**38.49**
H25-544	32L	2"	**38.49**

Order #	Mfg. #	Diam.	Each
H26-561	33L	2-1/16"	**46.49**
H24-651	34L	2-1/8"	**46.49**
H25-384	36L	2-1/4"	**46.49**
H25-545	40L	2-1/2"	**49.49**
H25-546	42L	2-5/8"	**49.49**
H25-547	48L	3"	**55.00**
H26-562	50L	3-1/8"	**55.00**
H25-548	58L	3-5/8"	**65.00**
H25-549	66L	4-1/8"	**85.00**
H24-068	68L	4-1/4"	**115.00**
H28-269	74L	4-5/8"	**165.00**

LENOX



A



B

Snap-Back™ Arbors

- Quick change for engagement or disengagement of drive pins
- No tools or adapters required
- Faster and easier than standard arbors

Fig.	Order #	Mfg. #	Description	Each
A	**H27-137**	LXAH9912PBM	1/2" 2L Snap-Back Arbor for 20L to 96L Hole Saws	**69.00**
B	**H27-139**	1779805	3/8" 6L Snap-Back Arbor for 20L to 96L Hole Saws	**55.00**

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Hole Saw and Bit Extensions

- Used for hard-to-reach places when using a hole saw or wood-boring bit

Order #	Mfg. #	Description	Size	Each
H24-963	10X	10" Extension	3/8" Chuck Size and Larger	**49.99**
H24-562	12X	12" Extension	1/2" Chuck Size and Larger	**43.49**



Carbide Hole Cutters

- Precision ground carbide teeth for fast cutting of clean, round holes
- Over-drill stopper prevents the tool from penetrating beyond the hole
- Split point pilot bit for faster penetration and less walking
- **H27-147** includes 7/8"; 1-1/8"; 1-3/8" hole cutters, 3L and 5L arbors, 1/4" pilot drills (3), plug ejection springs (3) and 1/8" hex wrench



Order #	Mfg. #	Description	Each
H27-141	2009314CHC	7/8" Carbide Hole Cutter	**89.00**
H27-142	2009618CHC	1-1/8" Carbide Hole Cutter	**99.00**
H27-143	2010022CHC	1-3/8" Carbide Hole Cutter	**109.00**
H27-144	2010328CHC	1-3/4" Carbide Hole Cutter	**125.00**

Order #	Mfg. #	Description	Each
H27-145	2010432CHC	2" Carbide Hole Cutter	**135.00**
H27-146	2010840CHC	2-1/2" Carbide Hole Cutter	**159.00**
H27-147	30877300CHC	Carbide Hole Cutter Kit (12-Pc.)	**409.00**
H27-148	3087935PD	1/4" Pilot Drills (3-Pk.)	**34.49**

Bi-Metal Utility Bits

- Three cutting edges enhance chip removal for a fast, clean hole
- High-speed steel cutting edges provide long life in tough applications
- Extends cordless drill battery life
- **H27-140** includes 3/4", 7/8" and 1" bits



Order #	Mfg. #	Description	Each
H27-387	1094806A1216	3/4" Bi-Metal Utility Bit	**45.49**
H27-388	1094906A1416	7/8" Bi-Metal Utility Bit	**48.99**
H27-389	1095006A1616	1" Bi-Metal Utility Bit	**65.00**
H27-140	10954300S	Bi-Metal Utility Bit Kit	**149.00**

Vari-Bit Step Drill Bits

- Steps make hole size identification easy
- Double flute design cuts burr-free holes
- Drills metals (steel, brass, copper, stainless steel, aluminum) up to 1/8" thick as well as wood and plastics
- True 135° drill point starts fast, no center punching
- For use with 1/4" drills and larger (**H24-871**) and 3/8" drills and larger (all other models)



Order #	Mfg. #	Description	Size	Each
H24-871	VB1	13 Step Vari-Bit	1/8" to 1/2"	**79.00**
H24-872	VB3	9 Step Vari-Bit	1/4" to 3/4"	**125.00**
H26-333	VB2	9 Step Vari-Bit	1/2" to 1"	**139.00**

Order #	Mfg. #	Description	Size	Each
H25-650	VB7	1 Step Vari-Bit	7/8"	**139.00**
H24-873	VB11	2 Step Vari-Bit	7/8" to 1-1/8"	**185.00**
H24-874	VB12	5 Step Vari-Bit	7/8" to 1-3/8"	**215.00**

Cooler Thermometer

- Self-adhesive tabs for permanent mounting
- 1-1/2" diameter
- °F/°C scale



Order #	Mfg. #	Temp. Range	Each
H26-907	535-0-8J	-20°F to +120°F	**20.49**

Digital Pocketknife Style Thermometer

- Temperature probe folds away like a pocketknife
- Select °F or °C
- MAX/MIN and HOLD functions
- Sharp enough to puncture fiberboard and flexduct
- Easily hangs from register



Order #	Mfg. #	Range	Each
H26-467	SPK1	-58°F to +392°F	**79.00**

Fieldpiece



Digital Folding Pocket Thermometer

- Fold-out probe with sharp tip for punching through flexduct or easily hang from register
- T1-T2 differential temperature readings
- MIN/MAX and HOLD functions
- Powered by a single AA battery (included)

Order #	Mfg. #	Range	Each
H27-745	SPK2	-58°F to +392°F	**89.00**

Fieldpiece



IR and Rod Thermometer with Laser

- Precision laser targeting for quick and accurate surface measurements
- Sharp, narrow piercing rod for duct insertion
- MIN/MAX, Data Hold and T1-T2 modes
- Backlit display
- Includes pocket clip, hanging hook and 2 AAA batteries

Order #	Mfg. #	Distance to Spot Ratio	Temp. Range	Accuracy	Emissivity	Each
H27-691	SPK3	8:1	-20°F to +932°F (IR); -40°F to +257°F (Rod)	± 2%	0.95	**259.00**

UEi TEST INSTRUMENTS



Digital Folding Pocket Thermometers

- Fold-out stainless steel temperature probe
- Exposed tip provides accurate readings even when closed
- Built-in magnetic mount
- MIN/MAX record
- Auto power off

Order #	Mfg. #	Description	Range	Each
H27-032	PDT650	Folding Pocket Thermometer	-58°F to +572°F	**65.00**
H28-786	PDT655	Folding Pocket Thermometer with Differential and Large Display	-58°F to +572°F	**85.00**

UEi TEST INSTRUMENTS



Digital Pocket Thermometer

- Waterproof
- Magnet on case for hands-free use
- MIN/MAX and Data Hold
- Auto power off
- Cover acts as handle extension
- Includes battery, sheath and pocket clip

Order #	Mfg. #	Range	Each
H25-962	PDT550	-58°F to +572°F	**69.00**

UEi TEST INSTRUMENTS



Digital Pocket Thermometer

- MIN/MAX and Data Hold
- Auto power off (user selectable)
- Display panel at 25° angle for easy viewing
- Magnetic protective boot
- Includes battery, integrated pocket clip and protective stem cover

Order #	Mfg. #	Range	Each
H25-961	550B	-58°F to +572°F	**75.00**

Cooper ATKINS



Swivel Head Digital Pocket Thermometer

- 180 degree adjustable head for easy viewing from any angle
- Head stops at 30°, 45°, 60° and 90° in both directions
- Stainless steel stem
- Includes battery and sheath

Order #	Mfg. #	Range	Each
H26-904	DPS300-01-8J	-40°F to +302°F	**55.00**

Hundreds of Thousands of OEM Solutions at Your Fingertips

For all of your AC needs *supporting you from installation and beyond*

YORK INSTALL CONFIDENCE · PARTNERS choice · ARMSTRONG AIR The Professional's Choice · Coleman HEATING AND AIR CONDITIONING · AO Smith · Goodman Air Conditioning & Heating · SOURCE1 HVAC Service Parts · FRIEDRICH · Amana · FUJITSU · ALLIED Air Enterprises · DAIKIN



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Digital Pocket Thermometers

- Accurate for life, no calibration necessary
- Waterproof
- Min, max and hold temperature
- Auto shutoff
- Includes battery and sheath
- Lifetime warranty



Order #	Mfg. #	Description	Range	Each
H26-906	DFP450W-0-8J	Digital Thermometer w/Alarm	-40°F to +450°F	**85.00**
H27-422	DPP800WJ	Digital Thermometer w/Extra Large Display	-40°F to +450°F	**85.00**
H26-905	DPP400W-0-8J	Digital Thermometer	-40°F to +392°F	**65.00**

Digital Solar Powered Thermometers

- LCD display
- 5' sensor length
- ±2°F accuracy
- NSF approved



Order #	Mfg. #	Description	Display	Range	Each
B12-778	72SD-F-160	Square 2-1/2" Panel Mount Thermometer	1/2"	-60°F to +160°F	**139.00**
B12-777	56SD-230	Square 2" Panel Mount Thermometer	3/8"	-40°F to +230°F	**135.00**
B12-776	25SD-160	1" x 4" Rectangular Surface Mount Thermometer	3/8"	-60°F to +160°F	**75.00**

Digital Solar Powered Thermometer

- Large LCD display
- Lithium battery backup
- 4' sensor cord length

Warning: This product contains lithium batteries and cannot be shipped by air



Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Range	Each
B20-452	SP160-01-8J	White Panel Mount Thermometer	-58F° to +158°F	**105.00**

Digital Thermometer

- Designed to hang or stand in refrigerator or freezer applications
- Accurate for life, no calibration necessary
- Large easy-to-read display
- Water-resistant with anti-microbial additive



Order #	Mfg. #	Range	Each
H27-420	2560J	-22°F to +122°F	**49.49**

Digital Remote Thermometer

- Min/max feature
- °F/°C switchable
- Includes remote sensor with 39" lead



Order #	Mfg. #	Description	Range	Each
H26-908	PM120-0-8J	Digital Remote Thermometer	-40°F to +122°F	**85.00**
H27-120	9302J	Stainless Steel Mounting Flange	—	**40.99**

Dual Input Digital Thermometer

◀ NEW

- Measure liquid, ambient and surface temperatures
- Calculates differential temperature (T1 - T2)
- Reads maximum, minimum and average temperatures
- 9,999 memory positions
- Data logging
- 2 thermocouple inputs
- Compatible with J, K, T, E, R, S type thermocouples
- °F/°C temperature scale
- Backlight display
- Includes 2 K-Type thermocouples, 3 AA batteries and pouch



Order #	Mfg. #	Range	Each
H29-078 ◀	DT720	-348˚F to +2,498˚F	**435.00**

Dual Input Thermometer



- Great temperature compensation for fast changing environments
- Reads T1, T2 or T1-T2
- MIN/MAX and hold
- °F/°C selectable
- LED indicates disengaged probe
- Includes 2 K-type thermocouples and clear-front case with magnetic hanger

Order #	Mfg. #	Range	Each
H26-668	ST4	-58°F to +2,000°F	**259.00**

Magnatemp Telescopic Probe



- Measures vent temperature to evaluate A/C performance
- 5" flexible probe with magnetic tip
- Extends from 10.5" to 36"
- Temperature range: -58°F to 572°F
- Uses one LR44 battery (included)

Order #	Mfg. #	Each
H28-983	MTEMP	**125.00**

Pocket Digital Psychrometer



- Measures/calculates relative humidity, temperature, dew point, wet bulb and enthalpy
- Designed for in-duct measurement
- Min/max and data hold
- Magnetic mount
- Probe cover can be used as an extension
- Includes 2 CR2032 batteries

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Each
H28-015	DTH35	**269.00**

Pocket Digital Psychrometer



- Real-time measurement of wet bulb, dry bulb, dew point and relative humidity
- Backlit dual display

Order #	Mfg. #	Each
H27-393	PRH2	**205.00**

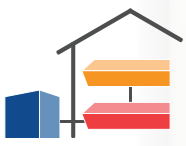
Job Link™ Probes



- A2L compatible
- Powerful wireless signal with up to 1000' range
- Directly transmits to iOS or Android devices with free Job Link app
- Pipe clamp Rapid Rail™ sensor stabilizes in under 5 seconds
- Automatic calibration and long battery life
- Powered by 2 AAA batteries per probe (included)
- JL3KR4 Charge Test Kit includes 2 pressure probes, 2 pipe clamps and carrying case
- JL3KH6 Charge and Air Kit includes 2 psychrometer probes, 2 pressure probes, 2 pipe clamps and carrying case

Order #	Mfg. #	Description	Each
H28-466	JL3RH	Job Link Flex Psychrometer Probe	**325.00**
H28-467	JL3PR	Job Link Pressure Probe	**299.00**
H28-468	JL3PC	Job Link Premium Pipe Clamp Probe	**299.00**
H28-469	JL3KR4	Job Link Charge Test Kit	**995.00**

Order #	Mfg. #	Description	Each
H28-470	JL3KH6	Job Link Charge and Air Kit	**1599.00**
H28-685	JL3LC	Job Link Premium Large Pipe Clamp Probe	**349.00**
H28-472	ANC18	Job Link Probe Kit Case	**175.00**



Mini-Split Selector

Quick • Accurate • Easy

Quick
Real-time pricing and availability

Easy
Effortless indoor style selection and identification

Accurate
Single-zone or multi-zone system matches



Click Here to Try it Today

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Wireless Smart Probes

- A2L compatible
- Wireless probes for common HVACR measurements
- Remotely read and analyze measurements from up to 8 probes
- Bluetooth connectivity for use with iOS and Android devices with free app
- Up to 350' Bluetooth Range
- Save results as PDF or Excel files and create custom reports that can be saved or shared via email



Order #	Mfg. #	Description	Each
H28-182	0560-1405-01	405i Hot Wire Anemometer Smart Probe	**389.00**
H28-183	0560-1410-01	410i Vane Anemometer Smart Probe	**359.00**
H28-184	0560-1510-01	510i Differential Pressure Smart Probe	**415.00**
H28-617	0560-2115-03	115i Pipe Clamp Thermometer Smart Probe	**225.00**
H28-618	0560-2549-03	549i Refrigeration Pressure Smart Probe	**325.00**
H28-619	0560-2605-03	605i Thermo-Hygrometer Smart Probe	**345.00**
H28-188	0560-1805-01	805i IR Thermometer Smart Probe	**325.00**
H28-787	0563-4915	915i Thermometer Flexible Smart Probe	**305.00**

Order #	Mfg. #	Description	Each
H28-788	0602-5093	915i Temperature Probe Kit	**379.00**
H86-095	0563-0002-20	Refrigeration/AC Smart Probe Kit	**1045.00**
H86-096	0563-0009	Refrigeration/AC Smart Probe Test/Load Kit	**1745.00**
H86-097	0563-0007	HVACR Complete Smart Probe Kit	**3099.00**
H28-193	0516-0240	Refrigeration Smart Probe Case	**109.00**
H28-194	0516-0260	Ventilation/AC Smart Probe Case	**109.00**
H28-195	0516-0270	Hydronic Heating Smart Probe Case	**109.00**

610 Digital Psychrometer

- Calculates dewpoint and wet bulb
- Max./Min./Hold functions
- Humidity range: 0 to 100%RH (+/-2.5 % accuracy)
- Includes protective cap, wrist strap and belt clip



Order #	Mfg. #	Each
H26-830	0560-6010	**505.00**

Thermal Imagers

- Compact pocket-sized troubleshooting tool
- Scan an entire area to identify repair or replacement opportunities
- Adjustable emissivity from 0.10 to 0.99
- High and low temperature alarms from -4 to +752°F
- Select color palettes to view multiple temperature readings
- Rechargeable lithium-ion battery
- Includes micro-USB charging cable and carrying case
- **H28-693** has over 10,000 pixel resolution
- **H28-946** has over 49,000 pixel resolution
- **H28-946** is compatible with Klein Tools app

Warning: This product contains lithium batteries and cannot be shipped by air



Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Each
H28-693	TI250	Compact Thermal Imager	**779.00**
H28-946	TI290	Pro Thermal Imager with Wi-Fi	**1199.00**

Thermal Imagers for Android and iOS Devices

- 10,800 pixel high resolution camera
- Temperature range from -4° to +752°F
- Capture and share thermal images and videos
- High and low temperature alarms to monitor systems
- Compatible with Klein Tools Thermal Imager App



Order #	Mfg. #	Description	Each
H28-882	TI220	Thermal Imager for Android®	**559.00**
H28-883	TI222	Thermal Imager for iOS	**559.00**

TELEDYNE FLIR

MSX Thermal Camera



- Easy-to-use, lightweight troubleshooting tool with MSX® two-camera technology
- Scan an entire area to quickly identify repair or replacement opportunities
- 2.4" color LCD with 80 x 60 pixel IR resolution
- MSX (multi-spectral dynamic imaging) adds visual definition to IR images for easier interpretation
- Bullseye laser pointer to indicate measurement area
- Built-in LED work light and lithium-ion rechargeable battery
- Rugged and reliable, built to withstand a 6-1/2' drop
- 24-to-1 distance-to-spot ratio
- Thermal sensitivity/NETD: <70mK
- 10-year detector warranty, 2-years on parts and labor

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Temp. Range	Each
H28-715	TG165-X	-13°F to +572°F	**779.00**

TELEDYNE FLIR

Thermal Camera



- Scan an entire area to quickly identify repair or replacement opportunities
- 2.4" color 320 x 240 pixel LCD with 160 x 120 pixel IR resolution
- Laser pointer and cross-hair display for easy targeting of measurement spot
- MSX (multi-spectral dynamic imaging) enhancement adds visual spectrum definition to IR images for easier interpretation
- Built-in 2MP digital camera, work light and Type-K thermocouple input
- 4GB internal memory for storing images
- Bluetooth® real-time remote temperature monitoring and camera image transmission
- Includes lanyard, USB cable, pouch and thermocouple

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Temp. Range	Each
H28-634	TG267	-13°F to +716°F	**999.00**

TELEDYNE FLIR

FLIR ONE PRO Thermal Cameras



- Turns smartphone or tablet into a thermal camera
- OneFit adjustable-height connector fits phone or tablet, even with case
- Share thermal images and videos to the social media platforms
- VividIR™ provides super resolution image processing
- Free enhanced FLIR ONE App features FLIR ONE Panorama™, FLIR ONE TimeLapse™ and FLIR ONE CloseUp™ functions
- Powered by an internal rechargeable lithium battery
- Smartphone pictured not included

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Temp. Range	Each
H28-566	435-0012-03	FLIR ONE Pro LT for iOS (80 x 60 Resolution)	-4°F to +248°F	**779.00**
H28-567	435-0013-03	FLIR ONE Pro LT for Android USB-C (80 x 60 Resolution)	-4°F to +248°F	**779.00**
H28-473	435-0006-03	FLIR One Pro for iOS (160 x 120 Resolution)	-4°F to +752°F	**1045.00**
H28-474	435-0007-03	FLIR One Pro for Android (USB-C) (160 x 120 Resolution)	-4°F to +752°F	**1045.00**
H28-890	11002-0201	FLIR ONE Edge Pro Handheld (160 × 120 Resolution)	-4°F to +752°F	**1245.00**

TELEDYNE FLIR

Compact Thermal Camera



- Compact pocket-sized troubleshooting tool
- Scan an entire area to quickly identify repair or replacement opportunities
- 3.5" color touch screen LCD with 128 x 96 IR resolution
- MSX (multi-spectral dynamic imaging) adds visual definition to IR images for easier interpretation
- Upload directly to the FLIR Ignite™ cloud to store, organize and back up images
- Create professional reports for emailing to customers
- Built-in LED work light and lithium-ion rechargeable battery
- Rugged and reliable, built to withstand a 6-1/2-foot drop
- Thermal sensitivity/NETD: <70mK

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Temp. Range	Each
H28-752	C3-X	-4°F to 572°F	**1345.00**

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Compact Thermal Camera

TELEDYNE FLIR

- Compact pocket-sized troubleshooting tool
- Scan an entire area to quickly identify repair or replacement opportunities
- 3.5" color touch screen LCD with 160 x 120 IR resolution
- MSX (multi-spectral dynamic imaging) adds visual definition to IR images for easier interpretation
- Upload directly to the FLIR Ignite™ cloud to store, organize and back up images
- Create professional reports for emailing to customers
- Built-in LED work light and lithium-ion rechargeable battery
- Rugged and reliable, built to withstand a 6-1/2-foot drop
- Thermal sensitivity/NETD: <70mK
- 10-year detector warranty, 2-years on parts and labor



Order #	Mfg. #	Temp. Range	Each
H28-716	C5	-4°F to +752°F	**1845.00**

IR Thermometers

UEi TEST INSTRUMENTS

- Circular laser targeting for quick, accurate measurements
- Reliable instrument to check, locate and monitor temperature variances
- 60-second auto-hold
- Backlit display
- Selectable °F/°C ranges
- Includes battery and holster
- Low battery indicator
- **H26-252** displays maximum readings, **H26-640** displays minimum, maximum and average readings
- **H26-640** has high/low alarm, scan lock, display differential and has K-type thermocouple input sockets



Order #	Mfg. #	Distance to Spot Ratio	Temp. Range	Accuracy	Emissivity	Each
H26-252	INF165C	12:1	-36.4°F to +689°F	±2%	0.70/0.95	**185.00**
H26-640	INF195C	12:1	-76°F to +1,022°F	±2%	0.30/0.70/0.95	**315.00**

Temperature Recorder

Supco

- 12 recorders in 1
- For refrigerator, freezer and environmental temperature measurement
- Measures and records temperatures in air, gas, liquids, powders and semi-solids
- Temperature ranges of: -40°F to +30°F, -20°F to +50°F or 50°F to 120°F
- Recording speeds of 6 hours, 24 hours, 7 days and 31 days
- Selectable, single turn or continuous chart rotation
- Remote reading 4" long submersible stainless steel probe with 15' sensor wire
- Standard 120V operation/special 12V feature allows for use in vehicular or marine operation
- Battery backup
- Includes 60 assorted, 6" diameter charts and 2 pens
- Replacement charts are 60 per box



Order #	Mfg. #	Description	Each
H85-283	CR87B	Temperature Recorder	**969.00**
H25-333	CR87-2	24 Hrs. Repl. Charts -20°F to +50°F	**79.00**
H25-334	CR87-3	24 Hrs. Repl. Charts +50°F to +120°F	**79.00**
H25-335	CR87-9	7 Days Repl. Charts +50°F to +120°F	**79.00**

Order #	Mfg. #	Description	Each
H25-332	CRPEN	Black Replacement Pen	**40.49**
H25-706	CRPENB	Blue Replacement Pen	**36.49**
H25-707	CRPENR	Red Replacement Pen	**36.49**

LOGiT Data Loggers

Supco

- Store over 10,000 measurement points
- One-second to 18-hour sample rate; 1-second increments
- Features a precision IC sensor for accuracy
- Locking protection prevents on-site tampering, interruption of recording or erasure of recorded data
- Real-time data monitoring
- Over/under alarm threshold settings
- Visual alarm indication
- User selectable recording start
- **H26-161** logs temperature differential



Order #	Mfg. #	Description	Temp. Range	Humidity Range	Each
H26-161	LTT	Dual Temp Logger	-50°F to +300°F	0% to 95% RH	**479.00**
H26-592	LPT	Pressure/Temp Logger	-40°F to +150°F	—	**639.00**
H26-593	LCV	Current/Voltage Logger	—	—	**525.00**

LOGiT Data Logger Software

Supco

- LOGiT PC software is required for programming recording settings and downloading data with a PC
- Software is sold separately and works with all LOGiT data loggers



Order #	Mfg. #	Each
H26-690	LLSU	**175.00**

Mini Data Loggers With Software



- Miniature, self-contained device provides concise measurements for critical environmental conditions
- High and low temperature alarm with visual indication on demand
- **H26-676** logs temperature only; **H26-629** logs temperature, humidity, dewpoint and wet bulb
- Displays temperature in °F or °C
- PC, delayed start or pushbutton recording control
- View graph and text simultaneously
- Plugs directly into PC or laptop USB connection (cable included)
- 1 second to 18 hour sample rate
- Compatible with Windows 98SE, 2000, ME, XP and Vista
- **H26-629** has a humidity alarm and allows for real time monitoring

Order #	Mfg. #	Temp. Range	Humidity Range	Each
H26-676	SL300T	-40°F to +185°F	—	**245.00**
H26-629	SL300TH	-40°F to +160°F	0% to 99% RH	**279.00**

Data Loggers with Real Time Display



- Display of temperature (°F or °C), time, date, alarm status, logging status and battery life
- User selectable stop on memory full or memory rollover for continuous logging
- Delayed start or push button logging control
- Displays alarm icon for high/low alarm status
- Non-volatile EEPROM memory retains data even if battery fails
- USB interface for fast data transfer
- **H27-538** also displays relative humidity
- **H27-540** temperature range shown for K-Type thermocouple

Order #	Mfg. #	Description	Temp. Range	Humidity Range	Each
H27-537	SL500T	Temperature Data Logger	-5°F to +160°F	—	**255.00**
H27-538	SL500TH	Temperature & Humidity Data Logger	-5°F to +160°F	10% to 90% RH	**355.00**
H27-539	SL500XT	External Probe Temperature Data Logger	-40°F to +176°F	—	**279.00**
H27-540	SL500TC	Thermocouple Temperature Data Logger	-418°F to +2372°F	—	**275.00**

Dataview Data Loggers



- Monitor real-time measurements for instant environment or electrical conditions
- Displays real-time measurements, logging summary, sample rate and memory used
- Graph display shows measurement trends with scrolling feature
- Features visual over and under alarm indicators
- Compatible with Windows™ 98SE/ME, 2000, XP, Vista and Windows™ 7
- Download to your PC for further analysis
- USB connection (cable included)
- Applications for DVTH & DVT4 include refrigerators, freezers, commercial refrigeration systems, wine storage, greenhouses and florist cases
- Applications for DVCV include MRO, industrial processes, variable speed drives and intermittent electrical problems

Specifications:
- Operating temperature: 15°F to 150°F
- Time accuracy: +/- 100ppm @ 75°F
- Power source: 3 AA batteries

Order #	Mfg. #	Description	Each
H26-683	DVTH	Temperature, Humidity and Dew Point Data Logger	**619.00**
H27-536	DVT4	1 Internal And 3 External Temperature Data Logger	**615.00**
H28-112	DVCV	True RMS Current, Voltage and Watts	**585.00**

TempSmart Data Logger



Hazardous Material Shipping Alert

- Compact and portable design for logging temperature and humidity
- Measures dry bulb, wet bulb, temperature and relative humidity
- Stores date and readings for up to 90 days
- Easily export professional looking reports
- Connects to most iPhones, iPads, iPods, Apple Watches and major Android devices
- Free app available at the iTunes store or Android market

Warning: This product contains lithium batteries and cannot be shipped by air

Order #	Mfg. #	Description	Each
H28-162	TS-100	TempSmart Data Logger	**175.00**
H28-229	TS-100-6PK	TempSmart Data Logger Kit (6-Pk.)	**789.00**

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Multi-Zone Temperature Testers

- MIN/MAX records highest and lowest temperatures
- Auto shutoff after 15 minutes of non-use
- Backlight for dark environments
- Scan feature stores MIN/MAX for all three probes
- Sealed keypad protects unit from spills and dust
- Battery eliminator jack
- Clear MIN/MAX memory button
- Power: 9V battery (included)
- Includes **H26-080** general purpose puncture probe, **H26-082** surface probe and **H26-081** air and surface probe (**H26-083** humidity stick probe replaces **H26-081** on **E04-836**)
- **E04-836** also displays relative humidity (10 to 95% RH)



Order #	Mfg. #	Description	Temp. Range	Each
E04-835	943-0004-01	3-Zone Temperature Tester	-40°F to +300°F	**1099.00**
E04-836	943-0004-00	3-Zone Temperature/Humidity Tester	-40°F to +300°F	**1599.00**

Temperature Tester Replacement Parts and Accessories

Order #	Mfg. #	Description	Each
H26-080	1075J	6' Puncture Probe	**135.00**
H26-081	2010J	12' Air Probe	**109.00**

Order #	Mfg. #	Description	Each
H26-083	5028J	6' Humidity Probe	**415.00**

Cordless Pipe Clamp

- Retractable puncture probe
- Temperature accuracy: ±3°F from 14°F to 212°F
- °F or °C selectable
- Response time of puncture probe: 20 seconds in 32°F bath (95% of final reading)
- Response time of pipe clamp probe: 90 seconds on 140°F pipe (95% of reading)
- Thermistor technology
- MIN/MAX and Data Hold
- Auto shutoff after 5 minutes of non-use
- One-handed use, spring-loaded to ensure repeatability
- Includes soft carry case/holster and button cell battery



Order #	Mfg. #	Range	Each
H26-325	4005IJ	-20°F to +300°F	**369.00**

Dual Range Non-Contact Voltage Testers

- Automatically detects low and high voltage (12 to 1,000VAC)
- Auto power-off conserves and extends battery life
- Includes 2 AAA batteries



Order #	Mfg. #	Description	Each
H27-154	NCVT2P	Non-Contact Voltage Tester	**69.00**
H28-504	NCVT-4IR	Non-Contact Voltage Tester with IR Thermometer	**109.00**

Non-Contact Voltage Tester

- Detects 24 to 440VAC
- LED and buzzer voltage detection indicators
- LED appears brighter and buzzer sounds louder as tester is moved closer to voltage source
- Includes 2 button cell batteries



Order #	Mfg. #	Each
H26-504	SNCV1	**48.99**

Continuity Tester

- Provides an audible and visual alarm when connectivity is detected
- Smaller, faster and easier than a voltmeter
- Magnetic case for hands-free use
- Alligator clips
- Includes 1 AAA battery



Order #	Mfg. #	Each
H28-872	TFXCT	**48.49**

Wireless Dual Display Clamp Meter



- Precisely measure and test voltage and frequecy variations
- Automatic AC/DC selection for Volts and Amps
- Magnetic hanger strap with universal application
- Test lead storage for convenience
- Back probes included for mini-split applications

Order #	Mfg. #	TRMS	Manual Ranging	Inrush Current	Diode	Continuity Beeper	Data Hold	Backlit Display	Display	Min./Max. Display	Auto Power Off	Low Battery Indicator	Safety Rating	AC Volts	DC Volts	Each
H28-790	DL599	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	CATIV 600V CATIII 1000V	1000V	1000V	**729.00**

Dual Display Clamp Meters



- Precisely measure and test voltage and frequency variations
- Auto ranging
- Test lead storage for convenience
- High-voltage alert

Order #	Mfg. #	TRMS	Manual Ranging	Inrush Current	Diode	Continuity Beeper	Data Hold	Backlit Display	Display	Min./Max. Display	Auto Power Off	Low Battery Indicator	Safety Rating	AC Volts	DC Volts	AC Amps	Each
H28-793	DL569	—	—	—	Y	Y	Y	—	Y	Y	Y	Y	CATIV 300V CATIII 600V	750V	1000V	400A	**255.00**
H28-794	DL579	Y	Y	—	Y	Y	Y	Y	Y	Y	Y	Y	CATIII 600V CATII 1000V	750V	1000V	600A	**415.00**
H28-795	DL589	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	CATIV 600V CATIII 1000V	750V	1000V	600A AC/DC	**589.00**

Dual Display Clamp Meter Combo Kits



- Measures voltage and frequency variations
- Built with True-RMS technology
- Auto and manual ranging
- High-voltage alert
- Test lead storage

Order #	Mfg. #	Description	Each
H86-205	DL579COMBO	DL579 with Pipe Clamp Probe and Two Temperature Probes	**495.00**
H86-206	DL589COMBO	DL589 with Two Pipe Clamp Probes and Two Temperature Probes	**789.00**

System Selector
Free • Simple • Intuitive
Current and Accurate
AHRI certified system matches
System Specific
Critical installation supplies
Search by Features
Such as: SEER2 Ratings, Brand, and BTUH
Click Here to Try it Today

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SC Series Clamp Meters

- Built-in non-contact voltage detector
- Dual display with extreme temperature-resistant LCD (SC420, SC440, SC620, SC640 only)
- Includes test leads, thermocouple (except SC220) and carrying case
- SC440, SC620 and SC640 include alligator clip lead extensions
- SC620 and SC640 include 180° swivel-head for easy viewing at any angle



Order #	Mfg. #	TRMS	Autoranging	Manual Ranging	Inrush Current	Frequency/ Duty Cycle	Diode	Continuity Beeper	Data Hold	Backlit Display	Display	Min./Max. Display	Auto Power Off
H27-756	SC260	Y	Y	—	—	—	Y	Y	Y	Y	4,000 Count	Y	Y
H27-751	SC440	Y	Y	Y	Y	Y	Y	Y	Y	Y	5,000 Count	—	Y
H27-753	SC640	Y	Y	Y	Y	Y	Y	Y	Y	Y	5,000 Count	—	Y

Additional Specifications

Order #	Mfg. #	Low Battery Indicator	Batteries	Safety Rating	AC Volts	DC Volts	AC Amps	AC/DC µA	Resistance/ Continuity	Capacitance	K-Type Thermocouple Receptacle	Temp.	Each
H27-756	SC260	Y	9V	Cat III, 600V	600V	600V	400A	—	40M Ohms	400 µF	Y	-30°F to +752°F	**339.00**
H27-751	SC440	Y	9V	Cat III, 600V	600V	600V	400A	500 µADC	50M Ohms	500 µF	Y	-30°F to +932°F	**495.00**
H27-753	SC640	Y	9V	Cat III, 600V	600V	600V	400A	500 µADC	50M Ohms	500 µF	Y	-30°F to +932°F	**579.00**

SC Series Wireless Clamp Meters

- Powerful wireless signal with up to 1000' range
- Wirelessly communicates directly with Job Link™ app on iOS and Android devices
- Calculates SEER and EER (using Job Link app)
- Built-in non-contact voltage detector
- Dual display with extreme temperature-resistant LCD
- 3-phase rotation testing with 2 leads
- Includes test leads, alligator clips, thermocouple and carrying case
- SC680 has 180° swivel-head and dual temperature for delta-T



Order #	Mfg. #	TRMS	Autoranging	Manual Ranging	Inrush Current	Frequency/ Duty Cycle	Diode	Continuity Beeper	Data Hold	Backlit Display	Display	Min./Max. Display	Auto Power Off	Low Battery Indicator
H28-625	SC480	Y	Y	Y	Y	—	Y	Y	Y	Y	10,000 Count	Y	Y	Y
H28-626	SC680	Y	Y	Y	Y	Y	Y	Y	Y	Y	10,000 Count	Y	Y	Y

Additional Specifications

Order #	Mfg. #	Batteries	Safety Rating	AC Volts	DC Volts	AC Amps	DC Amps	AC/DC µA	Resistance/ Continuity	Capacitance	K-Type Thermocouple Receptacle	Temp.	Each
H28-625	SC480	9V	Cat IV 600V, CATIII 1000V	750V	1000V	600A	—	1,000 µADC	50M Ohms	10,000 µF	Y	-58°F to +2,372°F	**795.00**
H28-626	SC680	9V	Cat IV 600V, CATIII 1000V	750V	1000V	600A	600A	1,000 µADC	50M Ohms	10,000 µF	Y	-58°F to +2,372°F	**945.00**

Furnace Install Kits

- Tools and test instruments to install and maintain furnaces
- Kits tailored to specific furnace types
- All kits include Clamp Meter, Combustible Gas Leak Detector, Folding Thermometer, and UEi Backpack
- 520 Kit also includes Manometer
- 521 Kit also includes Manometer and Carbon Monoxide Detector
- 522 Kit also includes Oil Combustion Analyzer



Order #	Mfg. #	Description	Each
H86-243	520KIT	Furnace Install Kit	**1545.00**
H86-244	521KIT	Gas Furnace Install Kit	**2045.00**
H86-245	522KIT	Oil Burner and Boiler Install Kit	**3499.00**

Digital Insulation Resistance Testers



- Test for capacitive leakage between conductors, insulation deterioration and buildup of dirt or moisture in motor windings
- Features PI/DAR test, zero reading, lock reading, rotary style selector, protective rubber boot, kick stand, test lead holders, remote probe and worklight
- Includes ATL57 silicone test leads with alligator clips, insulation test probe with alligator clips, soft carrying case and 4 AA batteries

Order #	Mfg. #	Data Hold	Backlit Display	Auto Power Off	Low Battery Indicator	Batteries	Safety Rating	AC Volts	DC Volts	Resistance/ Continuity	Capacitance	K-Type Thermocouple Receptacle	Temp.	Each
H28-620	IRT803	Y	Y	Y	Y	4 AA	Cat IV 600V, Cat II 1,000V	600V	600V	400 Ohms	—	—	—	**1145.00**
H28-621	IRT807	Y	Y	Y	Y	4 AA	Cat IV 600V,Cat III 1,000V	1,000V	1,000V	400 Ohms	Y	Y	-40°F to +2,642°F	**1299.00**

DM500 Series Multimeters



- Multi-function meters for HVAC and electrical testing
- DM525 features wireless connectivity
- DM505 includes 2 AA batteries, standard test leads and alligator clips
- DM515 includes 2 AA Batteries, CAT III test leads, alligator clips, thermocouple and carrying pouch
- DM525 includes 4 AA batteries, silicone test leads, alligator clips, thermocouple and carrying pouch

Order #	Mfg. #	TRMS	Autoranging	Manual Ranging	Frequency/ Duty Cycle	Diode	Continuity Beeper	Data Hold	Backlit Display	Display	Min./Max. Display	Auto Power Off	Low Battery Indicator	Batteries
H28-562	DM505	—	Y	Y	—	Y	Y	Y	Y	6,000 Count	Y	Y	Y	2 AA
H28-563	DM515	Y	Y	Y	—	Y	Y	Y	Y	6,000 Count	Y	Y	Y	2 AA
H28-564	DM525	Y	Y	—	Y	Y	Y	Y	Y	6,000 Count	Y	Y	Y	4 AA

Additional Specifications

Order #	Mfg. #	Safety Rating	AC Volts	DC Volts	AC Amps	DC Amps	AC/DC µA	Resistance/ Continuity	Capacitance	Temp.	Each
H28-562	DM505	Cat II 1,000V, Cat III 600V	1,000V	1,000V	10A	10A	600µA to 400mA	40M Ohms	9,999µF	—	**225.00**
H28-563	DM515	Cat II 1,000V, Cat III 600V	1,000V	1,000V	10A	10A	600µA to 400mA	40M Ohms	9,999µF	-49°F to +1112°F	**359.00**
H28-564	DM525	Cat IV 600, CATIII 1,000V	1,000V	1,000V	10A	20A	0.1µA to 6,000µA	50M Ohms	9,999µF	-49°F to +1112°F	**795.00**

Multimeter



- Includes K-type thermocouple, rubber holster, test leads with removable tips, ACH4 current clamp and carrying case

Order #	Mfg. #	Manual Ranging	Frequency/ Duty Cycle	Diode	Continuity Beeper	Backlit Display	Display	Min./Max. Display	Auto Power Off	Low Battery Indicator	Batteries
H85-366	LT17A	Y	Y	Y	Y	Y	2,000 Count	Y	Y	Y	9V

Additional Specifications

Order #	Mfg. #	Safety Rating	AC Volts	DC Volts	AC Amps	AC/DC µA	Resistance/ Continuity	Capacitance	K-Type Thermocouple Receptacle	Temp.	Each
H85-366	LT17A	Cat III 600V	600V	600V	400A	200µA	40M Ohms	200KµF	Y	-30°F to +1,400°F	**409.00**

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HS Series Stick Multimeters

- Connects to Fieldpiece accessory heads
- Non-contact voltage
- Includes ACH4 clamp head, deluxe silicone test leads, alligator clips, thermocouple, case and manual



Order #	Mfg. #	TRMS	Autoranging	Manual Ranging	Frequency/Duty Cycle	Diode	Continuity Beeper	Data Hold	Display	Min./Max. Display	Auto Power Off	Low Battery Indicator	Batteries
H26-143	HS33	—	—	Y	—	Y	Y	Y	2,000 Count	Y	Y	Y	9V
H26-328	HS36	Y	Y	Y	Y	—	Y	—	4,000 Count	Y	Y	Y	9V

Additional Specifications

Order #	Mfg. #	Safety Rating	AC Volts	DC Volts	AC Amps	AC/DC µA	Resistance/ Continuity	Capacitance	K-Type Thermocouple Receptacle	Temp.	Each
H26-143	HS33	Cat III 600V	600V	200V	400A	—	200K Ohms	200 µF	Y	-30°F to +200°F	**455.00**
H26-328	HS36	Cat III 600V	600V	600V	400A	4,000 µA	40M Ohms	400 µF	Y	-30°F to +1,000°F	**725.00**

Current Clamp Accessory Head

Measures AC Amps up to 400A

- Connects to Fieldpiece meters, data loggers and **H26-113** EHDL1 electronic handle
- Use with test leads for hard to reach areas



Order #	Mfg. #	Each
H25-622	ACH4	**135.00**

Test Lead Set

- Includes alligator clips
- CAT III 1000V rated



Order #	Mfg. #	Each
H25-853	ATL55	**46.49**

Back Probe Test Lead Set

- Fine tip needle probe with standard test lead extension wire
- Includes test lead extensions (ATLTX) and back probe (ATL5)



Order #	Mfg. #	Each
H27-635	ATLBPK	**105.00**

Meter Replacement Parts and Accessories

Order #	Mfg. #	Description	Each
H25-852	ATT70	Thermocouple K-Type Adapter	**35.49**
H25-413	AF120	Replacement 5A Fuse for DM383, DM410 and DM420 (3-Pk.)	**36.49**
H26-050	AC319	Small Carry Case	**75.00**
H26-051	AC519	Large Carry Case	**95.00**
H28-714	AMH1	Magnetic Hanger	**38.99**

Silicone Test Leads



- Silicone-insulated and rugged to withstand extreme temperatures

Order #	Mfg. #	Each
H26-072	ASLS2	**75.00**

Deluxe Silicone Test Leads



- Silicone-insulated and rugged to withstand extreme temperatures
- Removable tips

Order #	Mfg. #	Each
H26-127	ADLS2	**95.00**

Deluxe Silicone Test Lead Sets



- Silicone-insulated and rugged to withstand extreme temperatures
- Removable tips
- **H27-325** includes ADSL2 test leads, ASA2 alligator leads and RCT2 probe tips

Order #	Mfg. #	Description	Each
H27-325	ADK7	Deluxe Silicone Test Lead Set	**125.00**
H28-027	RCT2	Extended Reach Probe Tip Set	**40.99**

Meter Replacement Parts and Accessories

Order #	Mfg. #	Description	Each
G32-090	ASA2	Alligator Clip Lead Extensions	**25.99**
H26-066	RFM66	Replacement Fuse for SC6X-76, HS35-36, LT17A and LT16A (4-Pk.)	**75.00**
H26-067	RFM74	Replacement Fuse for LT83, LT83A, LT17 and HB74 (4-Pk.)	**48.99**
H25-626	ANC1	Deluxe Nylon Meter Case	**75.00**
H27-330	ANC7	Large (Clamp) Meter Case	**40.99**

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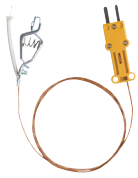
Temperature Probes

- General or specialized probes for easy measurement


A


B


C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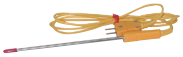
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Fig.	Order #	Mfg. #	Type	Description	Each
Fieldpiece					
A	**L38-248**	ATB1	K	48" Bead Probe	**59.00**
B	**H27-046**	ATWB1	K	Wet Bulb Thermocouple	**69.00**
C	**H27-047**	ATA1	K	Dry Bulb Thermocouple	**75.00**
D	**H27-337**	ATAF1	K	30" Hi-Temp w/Alligator clip	**139.00**
E	**H27-343**	ATR1	K	48" Piercing Probe	**215.00**
F	**H28-385**	TC24	K	3/8" to 1-3/8" Pipe Clamp	**185.00**
G	**H28-684**	TC48	K	3/4" to 4-1/8" Large Pipe Clamp Thermocouple	**239.00**
UEi					
H	**H28-713**	ATTPC4	K	3/16" to 1-7/16" Pipe Clamp	**145.00**
I	**H24-673**	ATT26	J	48" Liquid Probe	**79.00**
J	**H24-674**	ATT27	J	48" Bead Probe	**79.00**
K	**H24-598**	ATT29	K	48" Fiberglass-coated Probe	**85.00**
L	**H26-771**	ATT39	K	36" DT300 Apollo Series Bead Probe	**69.00**
M	**H25-418**	ATT100	K	48" Liquid Probe	**79.00**
N	**H28-605**	ATT71	K	37" DL479 Thermocouple Probe	**26.99**
Cooper-Atkins					
O	**H27-230**	52048-K	K	6" Solid Simulator Probe	**155.00**
P	**H26-082**	4011J	Thermistor	12' Pipe Strap Probe	**149.00**
Q	**H27-231**	54011-K	K	10' Large Diameter Pipe Strap Probe for up to 3.3" Pipes	**215.00**
R	**H26-084**	4005J	Thermistor	1/4" to 1-3/8" Pipe Clamp	**315.00**
S	**H26-086**	4005MKJ	K	1/4" to 1-3/8" Pipe Clamp	**369.00**

Hermetic Compressor Analyzer



- Connects directly to compressor motor; checks for continuity and ground faults in motor windings
- Frees locked rotors by reversing motor action
- Dual voltage operation, 120/240VAC
- 3 ranges of 250VAC starting capacitors, 88 to 301 MFD
- Direct measurement of resistance and voltage facilitated by VOM input jacks
- Convenient breakout jacks for measuring voltage and resistance

Order #	Mfg. #	Each
H24-355	HA1	**865.00**

Digital Megohmmeter



- 1000VDC stresses insulation to measure up to 2000Mohms
- Backlit LCD display
- Auto-off to extend battery life
- Includes case, alligator clip, leads with removable tips and batteries

Order #	Mfg. #	Each
H27-323	SMG5	**339.00**

Insulation Tester/Megohmmeter



- Measures insulation values up to 1,000 megohms at 500V and indicates the condition of insulation on the zone scale
- 20 to 1,000 megohms indicator range
- Uses 2 C batteries (not included)

Order #	Mfg. #	Each
H25-705	M500	**335.00**

Digital Capacitor Tester



- Rates run, start and DC electrolytic capacitors
- Can also be used as a continuity tester
- Two read-out ranges: 0.01 to 10 MFD and 10 to 10,000 MFD
- Includes soft carrying case
- Uses 9V battery (not included)

Order #	Mfg. #	Each
H24-883	MFD-10	**185.00**

Capacitor Discharge Pen



- For discharging capacitors safely
- LED indicators if capacitor is charged
- Magnetic connector or alligator clip adapter

Order #	Mfg. #	Each
H28-525	CAPDIS	**26.49**

Universal ECM Motor Tester



- Compatible with virtually all ECM motors
- Instant go/no-go result
- 24" leads and magnetic case
- No batteries required

Order #	Mfg. #	Each
H28-645	ECMPRO	**145.00**

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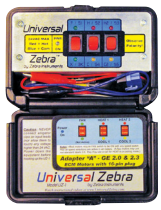
Universal Zebra ECM Motor Testers

- Quickly troubleshoots ECM motor problems
- 3-way position switches test up to 6 speeds
- LEDs indicate power and signals being set
- Includes rugged case and adapter for common GE/Regal Beloit Series 2.0 and 2.3 motors
- UZALL Kit includes UZ-1 Motor Tester and all available motor adapters
- Other adapters sold separately



Order #	Mfg. #	Description	Each
S59-418	UZ-1	Universal ECM Motor Tester	**349.00**
S59-791	UZALL	Universal ECM Motor Tester Kit w/all Adapters	**855.00**

Universal Zebra System Accessories

Order #	Mfg. #	Description	Each
G38-341	UZPH1	Adapter for GENTEQ ECM Series 2.0, 2.3, 2.5 and 3.0	**37.99**
G36-448	UZHMA	Adapter for GE, Regal-Beloit, and GENTEQ Series 1.6, 2.0, and 2.3 ECM Motors	**85.00**
G36-449	UZHMB	Adapter for GE, Regal-Beloit, and GENTEQ Series 3.0 ECM Motors	**85.00**
G38-342	UZPH2	Adapter for X-Motors and X-13	**55.00**
G38-343	UZPH3	Adapter for ECM 142 Motors	**20.99**
G36-450	UZHMC	Adapter for GE, Regal-Beloit, and GENTEQ X-13 and Evergreen 'AH' (but not 'IM') Series ECM Motors; Other Manufacturer's "X-Motors"	**85.00**
G36-451	UZHME	Adapter for GE, Regal-Beloit, and GENTEQ ECM 142 Series Motors (Signal-Controlled ECM Condenser Fan Motors)	**85.00**
G38-344	UZPH4	Adapter for Evergreen 'IM' Series (but not Evergreen 'AH' Series)	**55.00**
G36-452	UZHMF	Adapter for Evergreen 'IM' Series Motors 5 Pin + 4 Pin Plugs (but not Evergreen 'AH' Series)	**85.00**
G36-453	UZEXT	24" Extension/Repair Harness	**41.49**
H27-447	UZACC	Accessories Case	**49.49**

SideWinder Winding Section Analyzer

- Quickly diagnose faulty ECM motors
- Displays faults (shorts or opens) in each phase of winding section
- A second test indicates any shorts between the motor frame and any phase winding
- No external power source needed (includes 9V battery)



Order #	Mfg. #	Description	Each
H28-522	SW-5	SideWinder ECM Motor Winding Section Analyzer	**229.00**
H28-565	ZSWAE	SideWinder Emerson Motor Adapter	**34.49**

Variable Speed Zebra

- Uses simple to operate microprocessor controlled tests
- Accurately diagnoses exactly which component has failed in a variable speed system that isn't working correctly
- Assists in system setup by reporting CFM airflow and motor RPM as room vents and other controls are adjusted
- Allows easy adjustment of all available settings and options on ECM (Variable Speed) blower motors to obtain maximum comfort



Order #	Mfg. #	Each
S59-419	VZ-7	**985.00**

Variable Speed Zebra Accessories



Order #	Mfg. #	Description	Each
S59-421	VZH03	X-13 Motor Adapter Set	**159.00**
S59-425	VZH06	Condenser Unit ECM Fan Motor Adapter Set	**159.00**

ZebraStat



- Low-voltage HVACR diagnostic tool
- Diagnoses low-voltage control problems in system wiring, control boards, thermostats and associated components
- Performs immediate continuity checks on up to six circuits at a time
- Acts as a remote control, saving you steps to/ from attic, roof, basement
- Reports signal levels on control lines - visually displaying them for you
- Monitors voltage levels, displaying it as “OK”, “Questionable” or “Low”
- Act as an automatically-resetting circuit breaker, temporarily replacing a system fuse while looking for “shorted” lines or components

Order #	Mfg. #	Each
S59-424	ZS-2	**389.00**

ZebraStat Accessories

Order #	Mfg. #	Description	Each
G38-345	ZD001	Fused Power Tap Cord	**85.00**
G36-430	ZD002	Safety Power Adapter	**75.00**
G36-436	ZG002	Small Zebra-Gators (10-Pk.)	**69.00**
G36-437	ZG003	Medium Zebra-Gators (8-Pk.)	**85.00**
G36-444	ZG004	Large Zebra-Gators (4-Pk.)	**69.00**

Short Finder Tool



- Locate 3A and 5A shorts in 24VAC circuits
- Auto-resetting
- Trip indication LED
- Includes 18" leads with alligator clips

Order #	Mfg. #	Each
S59-795	ZSPRT	**85.00**

Magtract Retractable Magnetic Jumper



- For use on control boards, thermostats, and other HVAC controls
- Not intended for permanent installation

Order #	Mfg. #	Each
H28-526	MAGTRACT	**31.99**

Magjumper™



- Troubleshoot thermostats, control boards, sensors, and switches
- Powerful magnets with 20” wire leads
- 30 VAC/VDC maximum; 5A

Order #	Mfg. #	Each
G35-907	MAG1YL	**26.99**

Hybrid Jumper



- Alligator clips with magnetic tips
- Troubleshoot thermostats, control boards, sensors, and switches
- 20" wire leads
- 30 VAC/VDC maximum; 5A

Order #	Mfg. #	Each
H28-213	HYB1YL	**26.49**

JUMPER KING™ Multi-Jumper With Selector



- Quickly bypass any low voltage thermostat regardless of style
- Eliminate compressor short cycling and start the system safely
- Innovative circuit selector switches to activate leads/circuits of your choosing
- Resettable popper fuse will never short out
- Includes 20 interchangeable tips: Alligator clamps, magnetic tips, self-piercing insulation tips and spade adapters

Order #	Mfg. #	Each
H28-870	TFXJK	**155.00**

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Fused Multi Jumper

- Engage multiple circuits at the same time during system troubleshooting
- Removable banana plugs connect to voltmeter to create an extended fused jumper wire
- Magnetic jumper leads with removable rubber caps
- 3-amp fusible link



Order #	Mfg. #	Each
H28-871	TFXMJ	**55.00**

3 Wire Test Cord

- Provides power when electrical outlets are not available
- 3 large clips with white, black and green boots
- 3 to 20V
- 16 gauge, 24” long



Order #	Mfg. #	Each
H27-457	6-CT700F	**49.99**

Flow Hood with Bluetooth

- Accurately measures CFM, FPM, temperature, relative humidity and differential pressure
- Flow straightener for more precise measurement at turbulent outlets
- Large, removable backlit display
- App integration via Bluetooth for fast and easy monitoring and reporting on site
- Weighs less than 6.2 pounds
- Includes flow hood base, 24" x 24" flow hood, USB cable, AA batteries and wheeled soft case with telescoping handle



Order #	Mfg. #	Description	Each
H93-191	0563-4200	Flow Hood	**7245.00**
H93-192	400563-4200	Flow Hood with NIST Certificate	**7645.00**

Flow Hood Accessories

Order #	Mfg. #	Description	Each
H93-193	0554-4200	14" x 14" Flow Hood	**745.00**
H93-194	0554-4201	12" x 48" Flow Hood	**865.00**
H93-195	0554-4202	24" x 48" Flow Hood	**865.00**

Order #	Mfg. #	Description	Each
H93-196	0554-4209	Flow Hood Tripod	**1445.00**
H28-138	0554-0440	16' Silicone Hose	**179.00**
H28-139	0635-2045	19" Pitot Tube	**525.00**

EasyHood™ Airflow Capture Hoods

- Accurately measures airflow and displays on your smart device
- No need to enter duct dimensions, Ak factors or traverse the grille
- Rugged 12" x 12" control box with vortex airflow straightener
- Includes 24" x 24" extension hood, low volume reducer plate (for readings down to 7 CFM) and canvas carrying case
- **H93-216** requires a ABM-100 or ABM-200 meter (sold separately)
- Smartphone pictured not included

Warning: This product contains lithium batteries and cannot be shipped by air



Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Each
H93-216	ABM-HOOD	EasyHood (Requires ABM-100 or ABM-200)	**945.00**
H93-217	ABM-HOOD-200	EasyHood Kit with ABM-200 Wireless Airflow Meter	**1145.00**

Airflow Balancing Meter

- Measures airflow and automatically calculates linear and cubic feet per minute
- Built-in data logging functionality
- Easily email history log for professional looking reports
- Compact anemometer works with all iPhones, iPads, iPods and most major Android devices with 3.5mm audio jack
- Free app available at the iTunes store or Android market
- Range: 19 LFM to 11,000 LFM



Order #	Mfg. #	Each
H28-060	ABM-100	**139.00**

Wireless Airflow Balancing and Environmental Meter



- Compact anemometer works with all iPhones, iPads, iPods and most major Android devices
- Measures air volume, velocity, temperature dry bulb/wet bulb/differential, humidity, dew point, heat index, barometric pressure, density and indoor vs. outdoor conditions
- Built-in data logging functionality, easily email history log for professional looking reports
- Free app available at the iTunes store or Android market
- Powered by CR2450 coin cell lithium battery (included)

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Each
H28-096	ABM-200	**265.00**

Wireless Airflow Balancing and Environmental Meter Accessories

Order #	Mfg. #	Description	Each
H28-097	EXP-64	18" to 64" Extension Pole	**95.00**

Order #	Mfg. #	Description	Each
H28-098	TRI-MIN	6" to 8" Mini Tripod	**65.00**

Wireless Smart Probes



- A2L compatible
- Wireless probes for common HVACR measurements
- Remotely read and analyze measurements from up to 8 probes
- Bluetooth connectivity for use with iOS and Android devices with free app
- Up to 350' Bluetooth Range
- Save results as PDF or Excel files and create custom reports that can be saved or shared via email

Order #	Mfg. #	Description	Each
H28-182	0560-1405-01	405i Hot Wire Anemometer Smart Probe	**389.00**
H28-183	0560-1410-01	410i Vane Anemometer Smart Probe	**359.00**
H28-184	0560-1510-01	510i Differential Pressure Smart Probe	**415.00**
H28-617	0560-2115-03	115i Pipe Clamp Thermometer Smart Probe	**225.00**
H28-618	0560-2549-03	549i Refrigeration Pressure Smart Probe	**325.00**
H28-619	0560-2605-03	605i Thermo-Hygrometer Smart Probe	**345.00**
H28-188	0560-1805-01	805i IR Thermometer Smart Probe	**325.00**
H28-787	0563-4915	915i Thermometer Flexible Smart Probe	**305.00**

Order #	Mfg. #	Description	Each
H28-788	0602-5093	915i Temperature Probe Kit	**379.00**
H86-095	0563-0002-20	Refrigeration/AC Smart Probe Kit	**1045.00**
H86-096	0563-0009	Refrigeration/AC Smart Probe Test/Load Kit	**1745.00**
H86-097	0563-0007	HVACR Complete Smart Probe Kit	**3099.00**
H28-193	0516-0240	Refrigeration Smart Probe Case	**109.00**
H28-194	0516-0260	Ventilation/AC Smart Probe Case	**109.00**
H28-195	0516-0270	Hydronic Heating Smart Probe Case	**109.00**

410 Vane Anemometers



- Airflow velocity meter with temperature measurement
- Integrated 1.5" diameter vane
- Timed mean value calculation
- Max./Min./Hold functions
- Backlit display
- Includes protective cap, wrist strap and belt clip
- Velocity range: 80 to 4,000 FPM
- **H26-827** also measures relative humidity (0 to 100%)

Order #	Mfg. #	Description	Each
H26-826	0560-4101	410-1 Vane Anemometer	**369.00**
H26-827	0560-4102	410-2 Vane Anemometer w/Relative Humidity	**589.00**

Digital Airflow Meter



- Measures air velocity, temperature and relative humidity; calculates CFM, dew point and wet bulb
- Remote rotating vane is perfect for troubleshooting AC and heating systems
- Multi-point average for velocity and total volume (CFM) from multiple outlets
- Temperature range: 14°F to 122°F (-10°C to 50°C)
- Airflow range: 125 to 4,900 ft./min. (2)
- Includes protective hard case and battery

Order #	Mfg. #	Each
H26-475	DAFM3B	**665.00**

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In-Duct Digital Airflow Meter

- Measures air velocity, temperature and relative humidity; calculates CFM, dew point and wet bulb
- 0.7" diameter vane head with 39" long telescopic and scale marked probe
- In-duct or grill surface measurements
- Temperature range: -4°F to 140°F
- Velocity range: 99 to 3,937 FPM
- Includes protective hard case and 9V battery



Order #	Mfg. #	Each
H85-768	DAFM4	**1099.00**

Airflow Temperature/Humidity Adapter

- Calculates dew point, wet bulb, dry bulb and volumetric flow
- Extension screw input for extending into air flow
- Compatible with iOS® and Android™ devices
- Includes carrying strap and 2 CR2032 lithium batteries
- Airflow range: 217 to 3,937 feet/second
- Temperature range: 0° to 122°F
- Humidity range: 0.1% to 99.9% RH



Order #	Mfg. #	Each
H28-622	DTHA2	**419.00**

In Duct Hot-wire Anemometer

- Measures air velocity and temperature in the duct with 38" telescoping probe
- Dual display for real-time display of CFM, air velocity or temperature
- Large backlit display
- Magnetic hanger on back
- Auto power off after 15 minutes
- Temperature range: -4°F to 140°F
- Air velocity range: 40 to 3,960 FPM
- Includes stabilizing cone and carrying case



Order #	Mfg. #	Each
H27-292	STA2	**919.00**

Manometer

- Used to set manifold pressure for natural or LP gas
- Economically priced and made of durable plastic for years of trouble-free use
- Strong magnet attached to manometer to hold in convenient upright position
- Includes 30" of high-grade vinyl tubing and 1/4" brass MPT to barb fitting
- Scale measures -2" to +15" W.C.



Order #	Mfg. #	Each
H23-606	78075	**89.00**

Gas Pressure Test Kits

- Accurately set manifold pressure for natural or LP gas
- Easier to use than a manometer and more compact
- Special, sensitive diaphragm gauge is calibrated in inches of W.C.
- Tube nipple allows easy connection to manifold



Order #	Mfg. #	Range	Each
H24-817	78060	0 to 35"	**135.00**
H25-047	78055	0 to 10"	**149.00**

Replacement Rubber Adapter

- For use with Yellow Jacket gas pressure test kits
- Adapter fits between the barbed fitting and rubber hose



Order #	Mfg. #	Each
H27-247	78065	**10.49**

FloPro-MD Gas Flow and Pressure Measurement System

- Save time during your start up and commissioning process
- Quickly diagnose gas flow or pressure issues with confidence
- Automatically converts gas flow rate (CFH) to capacity (BTU/hr)
- View and log real time data via a Bluetooth connected smart device



Order #	Mfg. #	Each
H28-632	FPMD75FFKIT	**1099.00**

Gas Test Gauges



- Used for pressure testing all new installations for leaks
- Leakage will be indicated by pressure drop on gauge

Order #	Mfg. #	Size	Range	Each
R56-892	TGB215	1/2" FPT	0 to 15 PSI	**34.99**
R56-893	TGB15	3/4" FPT	0 to 15 PSI	**34.99**
R53-986	TGB30	3/4" FPT	0 to 30 PSI	**34.99**
R53-987	TGB130	1" FPT	0 to 30 PSI	**38.99**
R56-132	TGB60	3/4" FPT	0 to 60 PSI	**34.99**
R56-133	TGB160	1" FPT	0 to 60 PSI	**38.99**
R59-023	TGB100	3/4" FPT	0 to 100 PSI	**34.99**

Wireless Dual Input Manometer



- Compact manometer works with most iPhones, iPads, iPods and Android devices
- Measures static pressure, pressure differential, indoor vs. outdoor pressure and system external static pressure
- Automatically imports local weather data based on smart device GPS location to calibrate and improve accuracy
- Built-in data logging functionality, easily email history log for professional looking reports
- Ruggedized housing with magnetic back
- Free app available at the iTunes store or Android market
- Powered by CR2450 coin cell lithium battery (included)
- **H85-954** kit includes **H28-095** pressure probe kit

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Range	Each
H28-094	SPM-100	Wireless Dual Input Manometer	-75" to +75"	**295.00**
H85-954	SPM-K1	Wireless Dual Input Manometer Kit	-75" to +75"	**355.00**

Pressure Probe Kit



- Stainless steel static pressure probe kit for use with SPM-100 manometers
- Includes 2 probes with color coded magnetic handles, 6' sections of rubber tubing and carrying case

Order #	Mfg. #	Each
H28-095	PRB-KIT	**99.00**

Job Link® System Manometers



- Powerful wireless signal with up to 1000' range
- Individual pressure readouts give you P1, P2, and pressure differential in real-time
- All-in-one static, gas and draft pressure
- Measure between zones without snaking a hose under the door
- Document system health with Job Link App reporting
- Powered by 2 AAA batteries per probe (included)
- JL3KM2 Kit includes 2 manometer probes, 2 static pressure probes and hoses, 2 brass screw fittings with extra hoses, 2 slide gas adapters and padded case
- JL3MN includes manometer probe, static pressure probe and hose, brass screw fitting with extra hose and slide gas adapter

Order #	Mfg. #	Description	Each
H28-647	JL3KM2	Job Link® Dual Port Manometer Probe Kit	**475.00**
H28-646	JL3MN	Job Link® Single Port Manometer Probe	**325.00**

Dual Input Digital Manometer



- Measures gas pressure, static pressure and differential
- Features zero adjust button, rugged rubber boot, magnetic hanger and auto power off
- Includes 2 3/16" tubes with brass fittings, 2 3/16" to 5/16" tube adapters and 9V battery

Order #	Mfg. #	Range	Each
H27-304	SDMN5	-60" to +60"	**399.00**

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Dual Port Manometer and Pressure Switch Tester

- Measures gas pressure, static pressure and differential
- Use to test and adjust pressure switches
- Features include a backlit dual display, zero adjust button, rugged rubber boot, magnetic hanger and auto power off
- Includes 2 hoses with brass screw fittings, 2 static pressure probes, 2 slide on gas adapters, quick connect leads, 3 hoses and Y-splitter, pump bleed accessory, carrying case and 9V battery



Order #	Mfg. #	Range	Each
H27-718	SDMN6	-60" to +60"	**715.00**

Dual Input Digital Manometer

- Protective boot/overmolding with integral magnet for hands-free measurement of gas supply pressures
- Sturdy metal hose-barb connection
- Large backlit LCD display
- 11 selectable units of measure
- Record with elapsed time stamp
- Min/max/average and data hold
- Auto and manual power-off
- EM152 has .01" W.C. resolution
- Includes 9V battery, tubing, brass fitting and pouch



Order #	Mfg. #	Description	Range	Each
H28-244	EM152	Dual Input Digital Manometer	-60" to +60"	**329.00**

Dual Input Hi-Res Digital Manometers

- Measure gas, draft, manifold, and burner pressures
- Dual Input to measure multiple pressure drops
- Measure ambient temperature
- Min/Max/Average hold
- Temperature compensation technology
- **H28-885** includes 60 in. Pressure Tube, 2 Stepped T Fittings, Static pressure probes, and brass fittings
- Case
- 1-Year limited warranty



Order #	Mfg. #	Description	Range	Each
H28-884	EM720	Dual Input Hi-Res Digital Manometer	-80" to +80"	**459.00**
H28-885	EM720SPKIT	Dual Input Hi-Res Digital Manometer Kit	-80" to +80"	**589.00**

510 Compact Dual Port Manometer

- Provides pressure, differential pressure, and air velocity measurements
- Magnetic back provides hands-free operation
- Fully-featured, temperature compensated sensor in a rugged, compact package
- Backlit, LCD display with 3-button operation
- Auto or manual power-off
- Includes hoses, protective leather belt case, wrist strap and 2 AAA batteries
- User selectable units of measure (inH2O, mBar, hPa, PSI, mmH20, mmHg, Pa, inHg, fpm, m/s)
- 1-touch zeroing
- Low battery indicator (50 hour battery life)



Order #	Mfg. #	Each
H26-324	0563-0510-01	**489.00**

Combustible Gas Leak Detector

- Fully adjustable audio and visual indicators
- Low power semi-conductor sensor provides instantaneous detection of leaks as small as 50 PPM
- 18" gooseneck for hard-to-reach areas
- Includes 9V alkaline battery



Order #	Mfg. #	Each
H25-775	CD100A	**605.00**

CD100A Leak Detector Replacement Parts and Accessories

Order #	Mfg. #	Description	Each
H25-776	RS1000	Replacement Sensor	**165.00**
H25-777	RS1010	Replacement Sensor Cap	**41.49**

INFICON



GAS-Mate Combustible Gas Leak Detector

- Pinpoints leaks as low as 5 PPM
- Great for combustible refrigerants like R290, R600a, and R441a
- Variable audio alarm and flashing LEDs indicate leak strength
- Intrinsically safe

Order #	Mfg. #	Each
H27-053	718-202-G1	**615.00**

INFICON



GAS-Mate Replacement Sensor

- For use with the GAS-Mate combustible gas leak detector
- Pinpoints leaks as low as 5 PPM
- Great for combustible refrigerants like R290, R600a and R441a

Order #	Mfg. #	Each
H28-517	706-700-G1	**145.00**

testo



317-3 Carbon Monoxide Detector

- Measures carbon monoxide (CO) from 0 to 1,999 PPM
- Gas self-check mode to verify instrument response to CO
- Reads true concentration even when powered up in CO contaminated areas
- User adjustable alarm points with audible and visual indicators
- Measurement modes: continuous, HOLD and MAX
- Tick rate increases with increasing gas concentration (can be silenced)
- Includes softcase, earphone and 2 AAA batteries

Order #	Mfg. #	Each
H26-323	0632 3173	**625.00**

UEi TEST INSTRUMENTS



Wireless Carbon Monoxide Detector

- Compact CO detector with wireless capabilities for use with iOS and Android devices
- Measures and displays CO from 0 to 999 PPM
- App show 3 visual danger levels with data logging and emailing capabilities
- Free app available at the iTunes store or Android market
- Includes 3 AAA batteries

Order #	Mfg. #	Each
H28-624	COA2	**499.00**

Fieldpiece



Carbon Monoxide Detector

- Large backlit display shows CO levels from 0 to 1,000 PPM (continuous use) and 0 to 2,000 PPM (5 minute maximum exposure)
- Field replaceable smart sensor
- Fast enough to locate CO in “walk-around” tests
- Alarm and max function
- Auto-off can be disabled for data logging
- Includes rubber boot for added protection and magnetic hanger for hands free operation

Order #	Mfg. #	Each
H27-620	SCM4	**695.00**

Fieldpiece



Combustion Check Meter with AutoPump

- Provides quick combustion checks for comparison with manufacturer specifications
- Set up to work with various fuel types and is customizable
- Choose from 4 display modes: hold, MAX, MIN or real time
- Displays percentage O2, CO2, efficiency, excess air and temperature
- Measures percentage O2 and stack temperature
- Calculates percentage CO2 and excess air
- Displays percentage O2, CO2, excess air and temperature
- Includes AutoPump, filter replacement kit and carrying case

Order #	Mfg. #	Each
H85-703	SOX3	**1099.00**

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Combustion Analyzers

- Designed for efficient O2, CO, CO2, draft pressure, and temperature combustion analysis
- SensorVault™ technology for extended sensor life
- LCD Touchscreen Display
- Job Link® compatible
- Magnetic back for hands-free use
- Includes probe, cones, filters, USB-C charging cable and carrying case
- Combustion Analyzer Kits include a Wireless Thermal Printer
- Built-in Manometer in the CAT85's
- The CAT85's are equipped with HydroCycle™ Pump technology

Warning: This product contains lithium batteries and cannot be shipped by air



Order #	Mfg. #	Description	Each
H86-207	CAT45	Residential Combustion Analyzer	**2245.00**
H86-208	CAT45K2	Residential Combustion Analyzer with Printer	**2745.00**
H86-209	CAT85	Residential/Commercial HydroCycle™ Combustion Analyzer	**3745.00**
H86-210	CAT85K2	Residential/Commercial HydroCycle™ Combustion Analyzer with Printer	**4245.00**

Hazardous Material Shipping Alert

Wireless Thermal Printer

- Compatible with Fieldpiece Combustion Analyzers
- Light, durable and compact
- Easy load and go design
- Rechargeable Lithium battery
- Includes starter paper roll and USB-C cable

Warning: This product contains lithium batteries and cannot be shipped by air



Order #	Mfg. #	Description	Each
H28-861	CATPR	Wireless Thermal Printer	**705.00**

Hazardous Material Shipping Alert

310 II Combustion Analyzer Kits

- Ideal for residential applications
- Measures O2, CO, CO2, temperature, draught and pressure
- Temperature sensor integrated in the flue gas probe
- Sensor zeroing in 30 seconds
- Easy and intuitive system guide
- High-resolution graphic display
- 8 hour battery life
- Compatible with the testo Smart App
- Includes 310 II Analyzer with integrated magnets, hose and probe assembly, rechargeable lithium-ion battery, USB-C cable and carrying case
- **H86-288** includes bluetooth printer and thermal paper



Order #	Mfg. #	Description	Each
H86-287	0563-3104-01	310 II Residential Combustion Analyzer Kit	**1899.00**
H86-288	0563-3105-01	310 II Residential Combustion Analyzer Kit with Printer	**2499.00**

PROVIDING YOU UNIVERSAL TRUCK STOCK OPTIONS

Ask About Our Replenishment Programs Today!



300 Combustion Analyzer Kits



- Test and tune all types of boilers, heaters and furnaces
- Functions include combustion analysis, draft, temperature, pressure and combustion efficiency
- Large 5" HD touchscreen display shows all values at a glance
- Create documentation including measuring value, measuring location and customer data
- Bluetooth® Connector for testo Smart Probe connectivity
- Email reports via Wi-Fi or save PDF measurement reports directly in the instrument
- All models include O2 and CO sensors (4,000 PPM), USB power supply, compact probe, 10 filters and EasyHeat software
- **H86-099** also includes soft case
- **H86-100** also includes Bluetooth printer, thermal paper rolls (6) and soft case
- **H86-102** also includes long life O2 and CO sensors, NO sensor capability and rugged hard case
- **H86-103** also includes long life O2 and CO sensors, NO sensor capability, Bluetooth printer, thermal paper rolls (6) and rugged hard case

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Each
H86-099	0564-3002-82	300 Residential/Commercial Combustion Analyzer Kit	**3445.00**
H86-100	0564-3002-83	300 Residential/Commercial Combustion Analyzer Kit with Printer	**4145.00**
H86-102	0564-3004-92	300 LL Commercial Combustion Analyzer Kit	**4799.00**
H86-103	0564-3004-93	300 LL Commercial Combustion Analyzer Kit with Printer	**5399.00**

330i Smart Bluetooth Combustion Analyzer Kits



- Remote operation via Bluetooth using smart device and free app
- Measures: O2, CO, temperature, differential temperature, draft and differential pressure
- Calculates: CO2 efficiency, excess air and CO (air free)
- Send reports via email or print with optional Bluetooth printer
- Detachable flue gas probe securely attaches using probe mount
- Long life (up to 6 years) O2 and CO sensors
- Kit #1 (**H86-015**) includes flue gas probe and mount
- Kit #2 (**H86-016**) includes NO/NOx sensor, flue gas probe and mount
- Kit #3 (**H86-017**) includes the 330i analyzer only (no flue gas probe or mount)

Warning: This product contains lithium batteries and cannot be shipped by air

Hazardous Material Shipping Alert

Order #	Mfg. #	Description	Each
H86-015	0563-3000-71	330i Kit #1 with O2 and CO Sensors	**5599.00**
H86-016	400563-3002	330i Kit #2 with O2, CO and NO/NOx Sensors	**7499.00**
H86-017	0563-3000-72	330i Kit #3 with O2 and CO Sensors (No Probe/Mount)	**4899.00**

Wireless Printer



- For easy printing on the job site
- Stores data before printing allowing the transmitting instrument to be used again within 2 seconds
- Includes 4 AA batteries and roll of thermal paper

Order #	Mfg. #	Description	Each
H27-398	0554-0549	Fast IR Printer	**935.00**
H26-447	0554 0568	10-Year Printer Paper (6-Pk.)	**105.00**

Combustion Analyzer Replacement Parts and Accessories

Order #	Mfg. #	Description	Each
H85-660	0554-0307	Smoke Pump Test Kit	**399.00**
H86-018	0554-3006	Flue Gas Probe Mount for 330i	**209.00**
H86-019	0600-9781	Flue Gas Probe for 330i	**789.00**

Order #	Mfg. #	Description	Each
H86-020	0516-3302	Carrying Case for 330i	**305.00**
H86-234	0554-3004	Smart Probe Bluetooth® Connector	**229.00**

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Combustion Analyzers

- Designed for basic combustion analysis to full system maintenance
- 6-Line backlit display
- Choose from a variety of kits and configurations
- All units include flue probe with cone/hose, USB charging cable and 3 AA rechargeable batteries
- Includes UEi Service+ warranty
- C161C includes carrying case
- C161KIT includes wireless printer and carrying case
- C161OIL includes smoke pump test kit and carrying case
- C161OILKIT includes wireless printer, smoke pump test kit and carrying case
- C163 includes 2 K-type thermocouples, particle filter, tubing and carrying case
- C163KIT includes wireless printer, 2 K-type thermocouples, particle filter, tubing and carrying case
- C165+ includes 2 wireless pipe clamp probes, 2 K-type thermocouples, tubing and carrying case
- C165+KIT includes wireless printer, 2 wireless pipe clamp probes, 2 K-type thermocouples, tubing and carrying case
- C165+OIL includes smoke pump test kit, 2 wireless pipe clamp probes, 2 K-type thermocouples, tubing and carrying case
- C165+OILKIT includes wireless printer, smoke pump test kit, 2 wireless pipe clamp probes, 2 K-type thermocouples, tubing and carrying case
- C165+N includes 2 wireless pipe clamp probes, 2 K-type thermocouples, tubing and carrying case
- C165+NKIT includes wireless printer, 2 wireless pipe clamp probes, 2 K-type thermocouples, tubing and carrying case
- C165+NOIL includes smoke pump test kit, 2 wireless pipe clamp probes, 2 K-type thermocouples, tubing and carrying case
- C165+NOILKIT includes wireless printer, smoke pump test kit, 2 wireless pipe clamp probes, 2 K-type thermocouples, tubing and carrying case



Order #	Mfg. #	Description	Each
H86-185	C160	Residential Combustion Meter	**1099.00**
H86-104	C161	Residential Combustion Analyzer	**1299.00**
H86-211	C161C	Residential Combustion Analyzer with AC509 Case	**1499.00**
H86-186	C161KIT	Residential Combustion Analyzer Kit with Case and Printer	**1799.00**
H86-136	C163	Residential/Commercial Combustion Analyzer with Pressure Feature and Case	**1999.00**
H86-212	C161OIL	Residential Combustion Analyzer for Oil-Fired Appliances with Hard Case	**1745.00**
H86-213	C161OILKIT	Residential Combustion Analyzer for Oil-Fired Appliances with Hard Case and Printer	**2199.00**
H86-187	C163KIT	Residential/Commercial Combustion Analyzer Kit with Pressure Feature, Case and Printer	**2545.00**
H86-188	C165+	Residential/Commercial Combustion Analyzer Kit with Case	**3145.00**
H86-189	C165+KIT	Residential/Commercial Combustion Analyzer Kit with Case and Printer	**3599.00**
H86-214	C165+OIL	Residential/Commercial Combustion Analyzer for Oil-Fired Appliances	**3545.00**
H86-215	C165+OILKIT	Residential/Commercial Combustion Analyzer for Oil-Fired Appliances with Hard Case and Printer	**3999.00**
H86-216	C165+N	Residential/Commercial Combustion Analyzer with NOx Sensor	**3999.00**
H86-217	C165+NKIT	Residential/Commercial Combustion Analyzer with NOx Sensor and Printer	**4445.00**
H86-218	C165+NOIL	Residential/Commercial Combustion Analyzer with NOx Sensor for Oil-Fired Appliances	**4345.00**
H86-219	C165+NOILKIT	Residential/Commercial Combustion Analyzer with NOx Sensor for Oil-Fired Appliances and Printer	**4899.00**

Combustion Analyzer Replacement Parts and Accessories

Order #	Mfg. #	Description	Each
H28-427	IRP-2	Infrared Thermal Printer	**795.00**
H26-174	16646	Replacement Paper	**25.49**
H26-236	AC73	Soft Carry Case	**105.00**

Order #	Mfg. #	Description	Each
H26-237	17631	Replacement Particle Filter	**30.99**
H85-590	SPT1	Smoke Pump Test Kit	**365.00**
H27-027	SP9	Smoke Paper & Chart	**85.00**

WE'RE THE EXPERTS YOU COUNT ON.

- Products you need, including hard to find speciality parts
- Technology to make your job easier
- Delivery options to get back on the road
- Training to keep you competitive

BETTER SERVICE & LOCAL SUPPORT WITH GLOBAL PARTNERS

THAT'S THE POWER OF JOHNSTONE

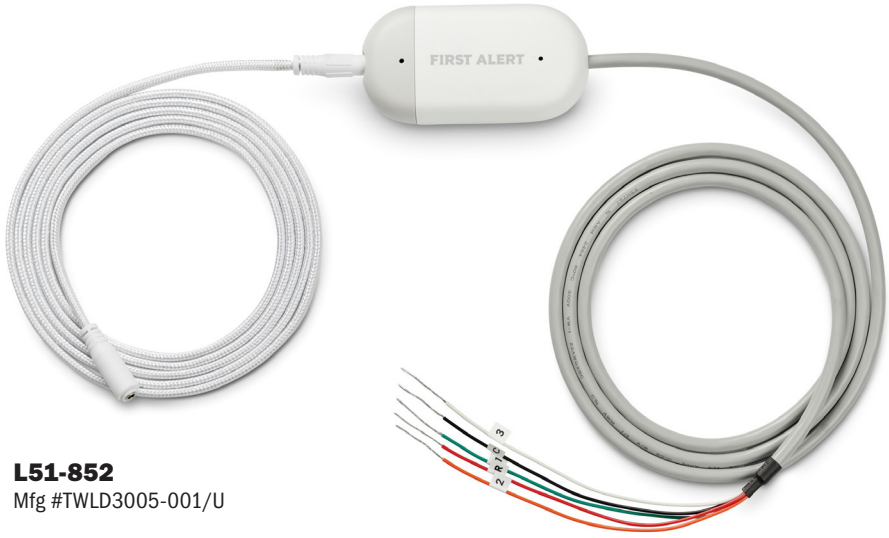


FIRST ALERT PRO

L2 Wi-Fi Condensate Wet Switch

Quickly Identifies the Source and Location of the issue.

- Can turn the machine off or on if the cable senses water
- Alerts the homeowner if water overflows the condensate pan or is sensed by the cable
- Wired directly to the furnace, air conditioner, dehumidifier, or other 24-volt HVAC equipment



L51-852
Mfg #TWLD3005-001/U



Navien

The **Leader** in Condensing Technology

NPE Series

- Features Navien's patented ComfortFlow® with a built-in buffer tank and recirculation pump
- Dual stainless steel heat exchangers
- Up to 0.96 UEF (Uniform Energy Factor) and 15:1 TDR (Turndown Ratio)
- Space-saving design for quicker and simpler installations
- Longer 2" PVC venting and 1/2" gas piping
- Supports field gas conversion
- Easy-to-use controls for setup and diagnostics

NPE180A2 Premium Condensing Tankless Water Heater
N99-208
Mfg. #PNPE0020024B001

To learn more about the best-selling condensing tankless water heaters, simply visit us at **JohnstoneSupply.com/Navien**

NAVIEN

THE LEADER IN CONDENSING TECHNOLOGY

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Goodman
Air Conditioning & Heating

R-32 has been selected as the refrigerant replacement for the A2L Transition in all Goodman residential, light commercial, and commercial ducted HVAC applications based on the following criteria:

- Safety
- Energy efficiency
- Cost-effectiveness
- Overall environmental impact



JohnstoneSupply.com/Goodman

IAQ Products You Can Count On

Proudly designed, engineered, and manufactured in the USA

BLU QR® STICK LIGHT

- Countdown day timer signals UV lamp replacement is due
- Magnetic mounting for easy installation
- Waterproof IP67 rating for secure electrical connections



Order #	Mfg. #	Description
L82-574	BLU-QR	1-Year UV Stick Light
L82-575	BLU-QR2	2-Year UV Stick Light

BLU·QR® By RGF

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JOHNSTONE AND RESIDEO HAVE ALL YOUR HYDRONIC HEATING AND POTABLE WATER NEEDS COVERED



AquaPumps

RESIDEO MAKES A WIDE VARIETY OF CONTROLS FOR HYDRONIC SYSTEMS.

From hydronic heating controls to mixing valves, Resideo Water Solutions are designed with both customer and contractor satisfaction in mind. Reliable and easy to install, our products are engineered for accuracy and safety.



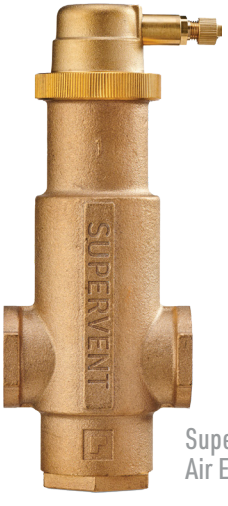
Lead-Free Thermostatic Mixing Valve Kits



Lead-Free Pressure Regulating valves



Zone Valves



SuperVent® Air Eliminator

With our popular zone valves, Aquastats, and the energy-saving Aquatrol®, you can meet just about every boiler room need with just one brand.

- State-of-the-art hydronic heating and plumbing specialties
- Highest quality assurance – 100% tested
- Easy to install and service
- Save energy

HYDRONICS

POTABLE WATER

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Braukmann Valves