

2025

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HEATING CATALOGUE

Swivel Brackets



Unit Heater Swivel Brackets

The Quick-Sling® line of unit heater swivel brackets are uniquely designed to provide fast and easy installation of most all ceiling mounted unit heaters. The innovative swivel design allows for 360° rotation for setting the perfect air flow direction prior to hard piping the unit. Multiple ceiling mounting options adapt to various installation applications.

Swivel "U" Mount with "H" or "I" Bracket

Item ID	Description
QSWI1000	Quick-Swivel "U" Mount with H Bracket. Holds up to 200 lbs.
QSWI2000	Quick-Swivel "U" Mount with I Bracket. Holds up to 200 lbs.



QSWI1000 Illustrated

Swivel Flush Mount with "H" Bracket

Item ID	Description
QSWI3000	Quick-Swivel Flush Mount with H Bracket. Holds up to 200 lbs.
QSWI3001	Swivel for Concealed Ducted AH Hangers & BC Cont. 36" Spreader Bar
QSWI3002	Swivel for Concealed Ducted AH Hangers & BC Cont. 17" Spreader Bar
QSWI4000	Quick-Swivel Flush Mount with I Bracket. Holds up to 200 lbs.
QSWI4001	Quick-Swivel Flush Mount with I Bracket. Holds up to 240 lbs.



QSWI3000 Illustrated

Flush Mount - Heavy Duty

Item ID	Description
QSWI5001	Quick Swivel Heavy Duty Flush Mount with I Bracket, 34 in. Holds up to 400lbs.
QSWI5002	Quick Swivel Heavy Duty Flush Mount with I Bracket, 52 in. Holds up to 400lbs.
QSWI5003	Quick Swivel Heavy Duty Flush Mount with Large H Bracket. Holds up to 400lbs.



QSWI5001 Illustrated

Branch Circuit Controller Swivel Flush Mount with 2 "I" Brackets

Item ID	Description
QSWI6000	Swivel for Concealed Ducted AH Hangers & BC Cont. Holds up to 400lbs.



QSWI6000 Illustrated

Mounting Blocks



Furnace Mounting Blocks

The DiversiTech® furnace mounting block FB-1 is a base support for furnaces. The furnace block raises the furnace approximately 2 inches and includes an anti vibration pad to reduce noise and vibration. Each furnace block can support over 500 pounds. Its unique wedge shape and integrated lip around top edge insure quick and accurate placement on each corner of the furnace. Easy peel and stick attachment method, not tools needed.

Item ID	Description
FB-1	Furnace Mounting Block, 72/Case



Ductless Mini Split Stands



Mini-Split Stands

Our Quick-Sling® Mini-Split Stands provide a safe, stable platform to mount your unit on. It keeps unit elevated above lawn mowers, weed whackers, pets, snow, and flooding. The elevated height allows for ease of installation, maintenance and service. Now available in Stainless Steel.

Item ID	Description
QSMS1201	Mini-Split Stand Wide - 12", Power Coated Steel
QSMS1801	Mini-Split Stand Wide - 18", Power Coated Steel
QSMS1802	Mini Split - 1802;Dual Fan - 18in
QSMS1804	Lrg Mini-Split Stand;18in



Wall Brackets



Wall Brackets

Quick-Sling® wall brackets provide a quick, safe and stable means to mount an outdoor mini-split unit to multiple types of wall structures.

Item ID	Description
QSWB2000	Wall Bracket - 2000;
QSWB3000	Wall Bracket - 3000;
QSWB4000	Wall Bracket - 4000;
230-B2M	Hef-T-Bracket (T2);Med 18in.
230-B2L	Hef-T-Bracket (T2);Lrg 21in.
230-B2XL	Hef-TBracket (Type 4);Large
230-B3M	Hef-T-Bracket Medium;
230-B3L	Hef-T-Bracket Large 21";



Heat Pump Stand

Item ID	Description
QSTD3000	Equipment Stand- 3000;18in



Heat Pump Pads

Item ID	Description
HP3232-8	Heat Pump Pad 32x32x8;16/PL
HP3636-8	Heat Pump Pad 36x36x8;16/PL



Drain Guns



SWOOSH® Drain Guns

The SWOOSH® Drain Gun is 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. Each unit comes equipped with a tapered fitting to work on 3/8in. – 3/4in. drain openings. Flexible hose assembly maneuvers through cabinets, coils and hard to reach drains. Reduces labor costs and time on service calls.

SWOOSH® Drain Gun Big Shot

Item ID	Description
SG-1	20G SWOOSH Drain Gun Big Shot
SGC-12	20G SWOOSH Drain Gun Cartridge, Pack of 12



Drain Gun Portable Drain Cleaning Tool

Clears condensate drains with a SWOOSH®!

A lightweight (3 oz.) portable tool designed to blow out drain lines instantly. SWOOSH® CO² cartridges deliver 800 PSI of oil free air to clear the line. Each unit comes equipped with a tapered fitting to work on 3/8in. – 3/4in. drain openings. Flexible hose assembly maneuvers through cabinets, coils and hard to reach drains. Cartridges are environmentally safe and recyclable. No need for air or nitrogen tanks. Reduces labor costs and time on service calls.

Item ID	Description
GG-1	Drain Gun
GGC-12	Drain Gun Cartridge, Pack of 12



Smoke Emitters

Cartridge Type Smoke Emitter

Item ID	Type	Burning Time (seconds)	Cartridge/ Pack	Smoke Emitted (Cu. ft.)	Wight/ Cartridge
61-S210-25	Splintax	20	25 matches/Pk	20	0.35 oz.



Pen Type Smoke Emitters

Item ID	Description
61-S220	Contains 1 pen with 6/pk replacement wicks. 6 wicks provide up to 3 hours of continuous smoke, or 360 individual 30 second tests.
61-S221	6 pack of replacement wicks in plastic case for 61-S220 smoke pen.



Smoke Bottles

Item ID	Description
61-S101	10 Smoke bottles. Each bottle can be used for 24 hours after ampule has been broken.

Note: The smoke generated by smoke bottles is corrosive.



61-S101 Illustrated



Powder-Puffers

Item ID	Description
61-S201	10 Powder-Puffers

61-S201 Illustrated

Heat Shields

The Insurance Pad™

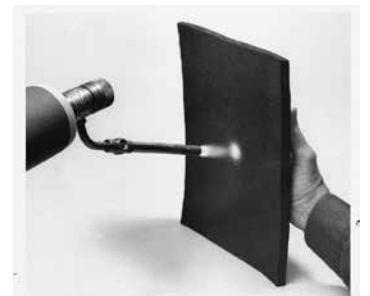
The Insurance Pad is the ultimate heat shield. Use wet or dry where ever higher temperature protection is required, up to 2500°F. The Insurance Pad is a fibrous felt heat shield with the safest specs in the industry. Repeated use of the product actually increases its heat resistance.

Applications

- Ideal for use with propane, MAPP gas, acetylene/ air and higher temperature torches.

Item ID	Description
61-71036	6" x 9"
61-71038	9" x 12"

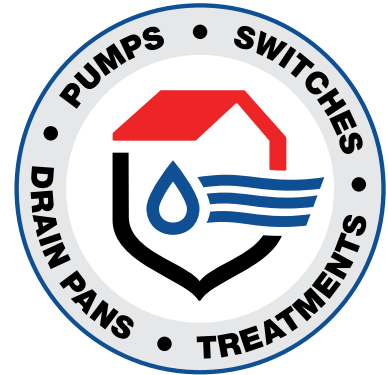
Heat Resistant to 2500°F



Helping You Select the Right Condensate Management System



We make condensate management easy with useful resources at your fingertips. We offer quality products, and helpful resources to answer your questions. Understanding how to optimally install a condensate management system with proper checks and balances is made even easier with descriptive infographics. You will find that our website and Technical Support Team are valuable resources.



Water damage is a key homeowner worry. Why chance it?

asurityhvacr.com

YOUR COMPLETE SYSTEM FOR CONDENSATE MANAGEMENT



Techs Helping Techs

We take our responsibility to answer your questions seriously, which is why we have trained HVAC/R technicians providing you support. Techs who have dealt with the real-life situations that you deal with every day are here to help you every step of the way whether it be helping select the right product, answering installation questions, or troubleshooting.

For Technical Support: (800) 995-2222

Condensate Pumps



Pumps are often the heart of a complete condensate management system. With simple installation, high durability, and long-term reliability, they effortlessly pump water wherever it needs to go. Every pump is designed to help you get the job done right regardless of the application.

Condensate Pump Ultra

Asurity® ULTRACP-22 series pumps beat the industry standard of 20' lift height by 2 feet and come with innovative features such as: translucent tank for easy & fast inspection, vibration dampening feet & motor mounts, metal mounting tabs, four inlet holes (and 3 poly covers for the unused), LED indicators, float switch and duckbill-style check valve, and detailed installation instructions. Two 1/4in. quick connect terminals provide the installer fast and easy connections to the built-in overflow switch to shut-down the system and prevent flooding, an important safety feature.

Asurity® - Your Complete System for Condensate Management.

- Translucent Tank for Easy & Fast Inspection
- Removable Check Valve for Easy Cleaning
- LED Indicators Confirm Pump Status
- Built-in Safety Overflow Switch
- Handles Condensate up to 160° F

Item ID	Description
ULTRACP-22	Condensate Pump, 120V, 60Hz, 22' Lift
ULTRACP-22-230	Condensate Pump, 230V, 60Hz, 22' Lift



ULTRACP-22 Illustrated

Specialty ClearVue™ Condensate Pumps

- Translucent Tank for Easy & Fast Inspection
- Removable Check Valve for Easy Cleaning
- LED Indicators Confirm Pump Status
- Built-in Safety Overflow Switch
- Handles Condensate up to 160° F

Item ID	Description
ULTRACP-22T	Condensate Pump, 120V, 60Hz, 22' Lift, 20' Clear Vinyl 3/8" Tubing
ULTRACP-22T-230	Condensate Pump, 230V, 60Hz, 22' Lift, 20' Clear Vinyl 3/8" Tubing



ULTRACP-22T Illustrated

Condensate Pumps



Standard Condensate Pumps

- LED Indicators Confirm Pump Status
- Built-in Safety Overflow Switch
- Handles Condensate up to 160° F
- Sturdy Metal Hang Tabs

Item ID	Description
CP-22	Condensate Pump, 120V, 60Hz, 22' Lift
CP-22-230	Condensate Pump, 230V, 60Hz, 22' Lift
CP-22T	Condensate Pump, 120V, 60Hz, 22' Lift, 20' Clear Vinly 3/8" Tubing
CP-22-230T	Condensate Pump, 230V, 60Hz, 22' Lift, 20' Clear Vinly 3/8" Tubing



CP-22 Illustrated

General Purpose Condensate Pumps

More compact than the CP-22, it's designed to lift to a maximum of 16 feet. The CP-16 shares many of the great features of the CP-22, including hang tabs, four inlet holes, float switch, overflow switch, and a check valve. UL Listed File Numbers E253155 and E258186.

Item ID	Description
CP-16	Condensate Pump, 120V, 60Hz, 16' Lift
CP-16-230	Condensate Pump, 230V, 60Hz, 16' Lift



CP-16 Illustrated

Specialty Condensate Pumps - Acid & High Temperature Applications

- Handles Acidic and Non-Acidic Condensate up to 190° F
- Stationary PVC Pipe Inlets for Easy Tank Access
- LED Indicators Confirm Pump Status
- Built-In Safety Overflow Switch
- Remove Check Valve Without Tools for Easy Cleaning

Item ID	Description
FP-22	Furnace Condensate Pump, 120V, 60Hz, 22' Lift
FP-22-230	Furnace Condensate Pump, 230V, 60Hz, 22' Lift



FP-22 Illustrated

Specialty ClearVue™ Condensate Pumps

- Translucent Tank for Easy & Fast Inspection
- Variable Speed for Quieter Operation
- Senses Clog & Engages Pulse Mode for Cleaning
- Built-In Safety Overflow Switch with Alarm & Run Contacts
- LED Indicators & Audible Alarm Confirm Pump Status
- Floatless Sensor Technology

Item ID	Description
IQP-120	ClearVue Condensate Pump, 120V, 60Hz, 22' Lift
IQP-120T	ClearVue Condensate Pump, 120V, 60Hz, 22' Lift, 20' Clear Vinyl 3/8" Tubing



IQP-120 Illustrated



Ductless Condensate Pumps

Low Profile Specialty Condensate Pumps Standard Applications

- Reduced Height for Restricted Spaces
- LED Indicators Confirm Pump Status
- Built-in Safety Overflow Switch
- Handles Condensate up to 160° F
- Sturdy Metal Hang Tabs



CP-22LP
Illustrated



CP-22LP-P
Illustrated

Item ID	Description
CP-22LP	Low Profile Condensate Pump, 120V, 60Hz, 22' Lift
CP-22LP-230	Low Profile Condensate Pump, 230V, 60Hz, 22' Lift
CP-22LP-P	Low Profile Condensate Pump, 120V, 60Hz, 22' Lift, Plenum Rated
CP-22LP-230-P	Low Profile Condensate Pump, 230V, 60Hz, 22' Lift, Plenum Rated

Pro Condensate Pumps Standard Applications

- Handles Condensate up to 160° F
- Built-in Safety Overflow Switch
- Sturdy Metal Hang Tabs



PROCP-16
Illustrated



20' Clear Vinyl 3/8" Tubing only included with
PROCP-22ST
PROCP-22ST-230

Item ID	Description
PROCP-16*	Pro Series Condensate Pump, 120V, 60Hz, 16' Lift
PROCP-16-230*	Pro Series Condensate Pump, 230V, 60Hz, 16' Lift
PROCP-22S	Pro Series Condensate Pump, 120V, 60Hz, 22' Lift
PROCP-22S-230	Pro Series Condensate Pump, 230V, 60Hz, 22' Lift
PROCP-22ST	Pro Series Condensate Pump, 120V, 60Hz, 22' Lift, 20' Clear Vinyl 3/8" Tubing
PROCP-22ST-230	Pro Series Condensate Pump, 230V, 60Hz, 22' Lift, 20' Clear Vinyl 3/8" Tubing

*Note: Without Built-in Safety Overflow Switch

Pro Condensate Pumps Acidic, Max Temperature & High Lift/Flow Applications

- Handles Acidic and Non-Acidic Condensate up to 212° F
- Large 1-Gallon Tank Instantly Reduces Temperature of Boiler & Steam Humidifier Discharge
- Flow Rate up to 190 Gallons Per Hour
- Quarter-Turn Removable Check Valve
- Built-In Safety Overflow Switch

Item ID	Description
PROCP-46	Pro Series Condensate Pump, 120V, 60Hz, 49' Lift
PROCP-46-230	Pro Series Condensate Pump, 230V, 60Hz, 49' Lift



PROCP-46
Illustrated

Ductless Condensate Pumps



Ductless Condensate Pumps Standard Applications

- Quiet Operation (20.2 Decibels)
- Suction Lift 6.5'
- For Equipment up to 36K BTU/h
- Built-in Safety Overflow Switch with Alarm & Run Contacts
- For Wall Mounts & Ceiling Cassettes
- Includes Installation Accessories



Item ID	Description
CP-M115	Ductless Condensate Pump, 115V, 60Hz, 24' Lift

ClearVue™ Mini Ductless Condensate Pump Standard Applications

- Variable Speed for Silent Operation (19.0 Decibels)
- Suction Lift 6.5'
- For Equipment up to 120K BTU/h
- Built-in Safety Overflow Switch with Alarm & Run Contacts
- LED Indicators Confirm Pump Status
- Includes Installation Accessories
- Floatless Sensor Technology



Item ID	Description
CVMINI	ClearVue Mini Ductless Condensate Pump, 120-240V, 60Hz, 35' Lift

ClearVue™ Mini Clear Vinyl Tubing

Item ID	Description
7-CVMINITUBE	3/16in. ID ClearView CVT, 100ft



Undermount Ductless Condensate Pump Standard Applications

- Undermount Pump for Ductless System
- Ultra Quiet (21dBA)
- Removable Reservoir for Easy Maintenance
- Built-in Safety Overflow Switch
- Max Unit Output 54,000 BTU/h, 16kW



Item ID	Description
QUIETMINI-M	Undermount Ductless Condensate Pump, 115-230V, 60Hz, 26' Lift

Ductless Condensate Pumps

Internal Mini-Split Condensate Pump

- Max discharge head 26 ft
- Universal voltage - 115 – 230V 60Hz
- Built-In Safety Overflow Switch
- Flexible installation options. Fits inside line set covers or inside cassette
- Self-priming



Item ID	Description
QUIETMINI-I	Internal Mini-split Condensate Pump, 115-250V 60Hz

Drain Pans



Our drain pans are engineered to provide that extra level of confidence. We offer standard plastic and metal pans made with rolled edges for durability, ribbed bottoms for rigidity, and reinforced corners for strength; while our specialty high rise drain pans feature risers for additional height.

These drain pans are the backbone of our complete condensate system.

Specialty Plastic Drain Pans

CP-PAN Condensate Pump Pan provides extra redundancy needed in a condensate management system to prevent catastrophic water damage. While best practice is to place a condensate pump in the secondary drain pan, some situations occur where that is not possible. Now you don't have to compromise. The Asurity Condensate Pump Pan is perfectly sized to fit most condensate pumps and is designed specifically with room for a safety overflow switch, such as Asurity CS-3, to help minimize the possibility of water damage due to condensate overflow.

- Captures Pump Overflow for Extra Safety Layer
- Universal Fit for Most Condensate Tank Pumps
- Provides Space for CS-3 Safety Switch to Prevent System Overflow
- No Seams, No Rust, No Leakage, Providing Long Term Operation



Item ID	Description
CP-PAN	Condensate Pump Pan

Drain Pans



Plastic Drain Pans

Plastic Drain Pan are used to collect condensate from cooling and evaporator coils in locations where damage to any building component could occur as a result of overflow from the equipment drain pan or stoppage of the condensate drain piping. Drain line outlet on pan's long side. Includes 3/4 in. PVC fittings.

- Rolled Edges, Ribbed Bottom, Reinforced Corners
- PVC Fittings Included
- No Seams, No Rust, No Leakage

Item ID	Description
6-1838L	Plastic Drain Pan, 18x38L, Pack of 5
6-1838S	Plastic Drain Pan, 18x38S, Pack of 5
6-2424L	Plastic Drain Pan, 24x24L, Pack of 5
6-2626L	Plastic Drain Pan, 26x26L, Pack of 5
6-2739L	Plastic Drain Pan, 27x39L, Pack of 5
6-2748L	Plastic Drain Pan, 27x48L, Pack of 5
6-2763L	Plastic Drain Pan, 27x63L, Pack of 5
6-3030L	Plastic Drain Pan, 30x30L, Pack of 5
6-3050L	Plastic Drain Pan, 30x50L, Pack of 5
6-3060L	Plastic Drain Pan, 30x60LF, Pack of 5
6-3060S	Plastic Drain Pan, 30x60 S , Pack of 5
6-3263L	Plastic Drain Pan, 32x63L, Pack of 5
6-3263L-F	Plastic Drain Pan, 32x63LF, Pack of 5
6-3636L	Plastic Drain Pan, 36x36L, Pack of 5
6-3660L	Plastic Drain Pan, 36x60L, Pack of 5
6-3660S	Plastic Drain Pan, 36x60S, Pack of 5



Complies with Southern Building Code

High Rise Drain Pans

HR Drain Pan Kits allows placement of air handler above the pan lip without the need for separate, cumbersome mounting blocks. With a molded-in network of risers to give a 5 inch lift; positioned to accept a wide variety of air handler sizes. Includes a Condensate Cop float switch, 6 EVA anti-vibration pads, and 1 3/4in. PVC male adapter.

- Position AV Pads Where You Want Them
- Full 5" Rise from Bottom of Pan
- Heavy Reinforcement Throughout
- Water Flows Towards Sides
- Installation Kit Provided
(Condensate Safety Overflow Switch, Anti-Vibration Pads, Fitting)

Item ID	Description
6-HK2748	HR Drain Pan Kit 27x48, Pack of 5
6-HK2748-1	HR Drain Pan Kit 27x48, Pack of 1
6-HK2766	HR Drain Pan Kit 27x66, Pack of 5
6-HK2766-1	HR Drain Pan Kit 27x66, Pack of 1
6-HK3050	HR Drain Pan Kit 30x60, Pack of 5
6-HK3050-1	HR Drain Pan Kit 30x60, Pack of 1
6-HK3060	HR Drain Pan Kit 30x60, Pack of 5
6-HK3060-1	HR Drain Pan Kit 30x60, Pack of 1



Meets Requirements for Florida Building Code (307.23 Auxiliary and Secondary Drain Systems)

Drain Pans



HEAVY DUTY High Rise Pans

HDHR Drain Pan Kits are a thicker, tougher version of our regular High Rise Pans. Each pan includes an installation kit with one CS1200 float switch, six EVA anti-vibration pads and one 3/4inches PVC male adapter.

- Full 4.25" Rise from Bottom of Pan
- Heavy Reinforcement Throughout
- Suitable for Hanging Applications
- Water Flows Towards Sides
- Installation Kit Provided
(Condensate Safety Overflow Switch, Anti-Vibration Pads, Fitting)



Item ID	Description
6-HK3050HD	HDHR Drain Pan Kit 30x50, Pack of 5
6-HK3060HD	HDHR Drain Pan Kit 30x60, Pack of 5
6-HK3070HD	HDHR Drain Pan Kit 30x70, Pack of 5

Furnace Pan

Furnace Drain Pan Kits are designed specifically for furnace installations. One-piece construction provides strength and durability. Includes Installation Kit with a CS1200 float switch, eight HPR-6 risers, and a 6-1 3/4in. PVC male adapter.

- Heavy Duty Construction
- Installation Kit Provided
(Condensate Safety Overflow Switch, Heat Pump Risers, Fitting)



Item ID	Description
6-HK3364FUR	Furnace Drain Pan Kit 33x64, Pack of 1
6-HK3378FUR	Furnace Drain Pan Kit 33x78, Pack of 1

Seamless Metal Drain Pan

Metal Drain Pan, 27x48, 5PK is the ultimate in drain pan design, tailored for easy distribution and installation. With seamless one piece construction, these metal drain pans are designed with two optional drain locations. Fittings are packaged with the pan. Fully nestable for easy storage, each pack includes 5 pans.

- Single-Piece Design
- Rolled Edge
- Two Outlets
- Fittings Included



Item ID	Description
6-M2748	Metal Drain Pan, 27x48, Pack of 5
6-M2763	Metal Drain Pan, 27x63, Pack of 5
6-M3030	Metal Drain Pan, 30x30, Pack of 5
6-M3050	Metal Drain Pan, 30x50, Pack of 5
6-M3060	Metal Drain Pan, 30x60, Pack of 5
6-M3263	Metal Drain Pan, 32x63, Pack of 5

Switches



Our switches are the brains of the operation. Designed to detect problems and shut the entire system off in case of water overflow or a clog in the condensate drain line, our switches add another layer of protection.

- Flood Switch
- Primary Drain Pan Switches
- Inline Switches
- Secondary Drain Pan Switches

Wet Switch® Flood Detector

Wet Switch Flood Detector is designed to prevent flooding, damage to carpets, walls, furniture, and ceilings. Turns system off when detecting moisture due to condensate or drain leaks. Includes a built-in test and reset button. One or two drops is all it takes to turn system off, alerting homeowner or service person to potential moisture problems.

- Turns Off with as Few as 1-2 Drops of Water Detection
- LED Indicators
- Connect Multiple Switches to Expand Protection Area
- Flexible Placement Options



Item ID	Description
WS-1	Wet Switch Flood Detector Plenum Rated

Dual Voltage Flood Detector

Wet Switch Dual Voltage Flood Detector has 12-Volt DC connections for installation into building automation systems and will transmit alarm signals to building maintenance if a flood is detected. Flood detector can also connect to a 24-Volt AC installation allowing integration with all HVAC systems, and will shut down the HVAC system if a flood is detected. Reset by simply drying the absorbent pad with a paper towel and pressing the reset switch. Connect multiple switches to expand protection area and connect to multiple pieces of equipment simultaneously.

- 12 Volt: Integrates into Building Automation Systems and Transmits Alarm Signal with as few as 1-2 Drops of Water Detection
- 24 Volt: Works with All HVAC Systems



Item ID	Description
WS-2DV	Dual Voltage Flood Detector Plenum Rated

BG-101 Condensate Safety Overflow Switch

The Asurity® BG-101 protects the HVAC circuit by eliminating intermittent condensate tripping with latching snap action. The switch attaches to the side of secondary drain pan, clamps in place for a secure hold, and can be adjusted for the deepest pans on the market. Once the latch mechanism is triggered, the power to your air handler will be interrupted, and the system will shut down. The BG-101 will stay latched and the system will remain off, even if the water has receded, until manually reset. This eliminates any intermittent condensate tripping, minimizing wear on systems and making diagnoses easier.

- Prevents Short Cycling that can lead to equipment damage
- Less Intermittent or False Tripping
- Float Latches When Tripped
- Variable Height Feature
- For Metal & Plastic Drain Pans



Item ID	Description
BG-101	Condensate Safety Overflow Switch Plenum Rated

Switches



Condensate Safety Overflow Switch

Pipe-Mounted Tee Switch is simple to install and service, and extremely reliable. As water level in the drain pipe rises due to a clogged air conditioning condensate drain, the switch shuts off the system, preventing water from overflowing and causing damage to doors, walls and ceilings. The durable, precise magnetic reed switch will not rust, operating smoothly every time.

- LED Illuminates When Condensate Line is Blocked
- Built-In Protection Against Power Surges Provides Increased Reliability
- Three Installation Configurations for Increased Flexibility
- For Standard & Plenum Rated Installations in Primary or Auxiliary Lines



Item ID	Description		
CS-1	Pipe-Mounted Tee Switch	Plenum Rated	
CS-1-BULK50	Pipe-Mounted Tee Switch (Bulk)	Plenum Rated	

Condensate Safety Overflow Switch

Pipe-Mounted Elbow Switch is simple to install, easy to service and extremely reliable. As water level in the auxiliary fitting of the drain pan rises due to a clogged air conditioning condensate drain, the switch shuts off the system, thus preventing water from overflowing. The durable, precise magnetic reed switch will not rust, operating smoothly every time.

- LED Illuminates When Condensate Line is Blocked
- Built-In Protection Against Power Surges Provides Increased Reliability
- For Standard & Plenum Rated Installations in Auxiliary Lines



Item ID	Description		
CS-2	Pipe-Mounted Elbow Switch	Plenum Rated	
CS-2-BULK50	Pipe-Mounted Elbow Switch (Bulk)	Plenum Rated	

Condensate Safety Overflow Switch

Drain Pan Clip Switch is easy to install anywhere on the drain pan. After clipping the CS-3 anywhere along the drain pan wall, the stainless steel clip adapts to multiple pan thicknesses. Uses a magnetic red switch for condensate overflow protection. For standard rated installations in primary or secondary drain pans.

- Adjustable Activation Height
- Position Anywhere Along the Drain Pan
- For Standard Rated Installations in Primary or Secondary Drain Pans



Item ID	Description	
CS-3	Drain Pan Clip Switch	
CS-3-BULK50	Drain Pan Clip Switch (Bulk)	

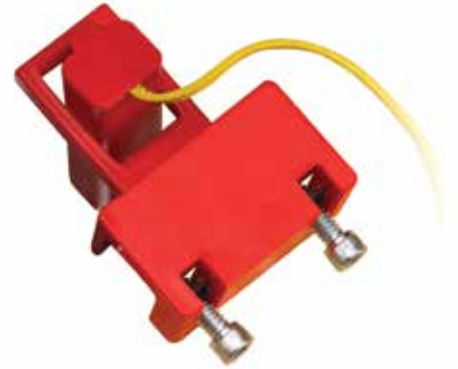
Switches



Condensate Safety Overflow Switch

CC-1 Safety Overflow Pan Switch is a unique clamp-on float switch intended for HVAC drain pan installation (both plastic and metal pans). Large over-clamping area fits easily over the edge of all types of drain pans; separate float/probe assembly accommodates drain pans with sloped sides. Magnetically actuated switch opens when rising water presents a potential flooding condition.

- Position Anywhere Along Drain Pan
- Adjustable Activation Height - Minimum 1.5"
- Sensor Assembly Swivels to Accommodate Drain Pans with Sloped Sides
- Clamps Easily Over the Edge of All Drain Pan Types, Including Formed Plastic and Galvanized Sheet Metal



Item ID	Description
CC-1	Safety Overflow Pan Switch

Condensate Safety Overflow Switch

CS1200 AC Shutoff Switch is a fast installing, reliable, condensate overflow detection float switch. It features a unique universal pan mount design to assure accurate detection in metal or plastic secondary drain pans.

- Position Anywhere Along Drain Pan
- Clamps Easily Over the Edge of All Secondary Drain Pan Types, Including Formed Plastic & Galvanized Sheet Metal
- Translucent Design for Easy & Fast Inspection
- LED Indicator Illuminates when Switch is Activated
- For Standard Rated Installations in Secondary Drain Pans



Item ID	Description
CS1200	AC Shutoff Switch

Condensate Safety Overflow Switch

SOS-1 Safety Overflow Switch detects clogs in condensate drain lines. By locating the switch away from the normal flow, it can be used to detect drain line overflows, responding by opening the circuit to the compressor contactor. When not detecting water, the SOS is normally closed and allows normal air conditioner operation.

- Fits Over 3/4" Standard Plastic Pipe without Cutting Drain Line
- Float Free Design, Ideal for Drier Environments
- Switch Orientation Adjusts Sensitivity
- Includes Easy to Attach Primary Drain Pan Fitting
- For Standard Rated Installations in Primary or Auxiliary Lines



Item ID	Description
SOS-1	Safety Overflow Switch

Installation Components



A variety of drain trap kits, some with switches, to meet different install requirements.



A/C Easy Tee

A/C Easy Tee is a simple and effective condensate drain service port that makes it easy to comply with IMC 307.2.5. Never cut condensate lines again. Flush blockages using nitrogen, water or a shop vac without valves or moving parts that can fail. The A/C Easy Tee gives you a solid connection to the drain line so you can get the line cleaned out correctly, the first time. This will help avoid nuisance callbacks, saving you precious time and money.

- Quickly Clear Condensate Lines
- Never Cut Condensate Lines Again
- Complies with Code 307.2.5



Item ID	Description
ET75	A/C Easy Tee Cleanout Port

A/C Easy Tee Service Tool Set

The Service Tool Kit allows the technician to close off backflow creating full discharge of water or nitrogen to clean out the drain line. It can also be used with a wet/dry vac to suction dirt, debris, and gunk out of a primary drain pan.

- Quickly Clear Condensate Lines
- Never Cut Condensate Lines Again
- Complies with Code 307.2.5

Item ID	Description
ST75	A/C Easy Tee Service Tool Set

Waterless Trap

WTRAP 3/4 in. Waterless Trap allows condensate to drain from HVAC equipment, while preventing air from entering or escaping the equipment. Eliminates the geyser effect caused with standard P traps. The WTRAP operates dry except when condensate is being produced, and will not freeze. For use on residential and light commercial HVAC equipment only. Not for use as a sanitary trap.

- Prevents Unwanted Air Leakage from Condensate Line
- Will Not Freeze or Dry Out
- Eliminates Sludge Buildup
- For Negative Pressure Applications



Item ID	Description
WTRAP	3/4" Waterless Trap

Installation Components

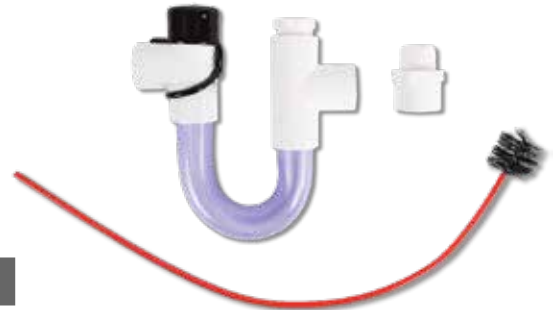


3/4 in. Clear U Drain Trap Kits contains everything required for a fast and complete installation. Clear PVC trap assures blockages are easily visible, heading off potential problems before they become severe. Ideal for condensate drain lines. Includes a 3/4 in. U trap with a 3 in. drop, and a 3/4 in. adapter. Asurity® Drain Trap Kits are available in multiple fitting styles.

Drain Trap Kit

U Trap, Cleaning Brush

- Easy Installation and Troubleshooting
- Schedule 40 PVC Fittings
- Cleanout Tee
- Fits 3/4" PVC; 1" Drop

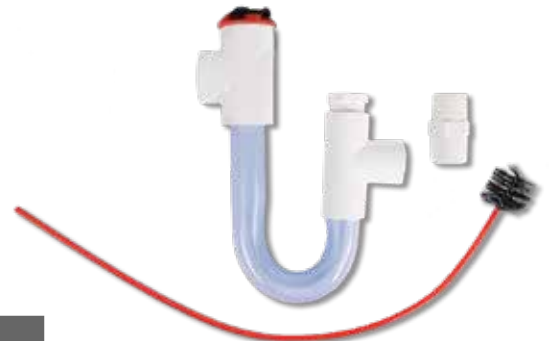


Item ID	Description
DTK113	3/4 in. Clear U Drain Trap Kit
DTK113B	3/4 in. Clear U Drain Trap Kit w/Brush

Drain Trap Kit With Safety Overflow Switch

U Trap, Cleaning Brush, Float Switch

- Easy Installation and Troubleshooting
- Schedule 40 PVC Fittings
- Cleanout Tee
- Fits 3/4" PVC; 2.25" Drop



Item ID	Description
DTK205	3/4 in. Deep U Drain Trap Kit w/Overflow Switch

Drain Trap Kit With Safety Overflow Switch

U Trap, Cleaning Brush, Float Switch, Cross

- Easy Installation and Troubleshooting
- Schedule 40 PVC Fittings
- Cleanout Tee
- Fits 3/4" PVC; 2.25" Drop



Item ID	Description
DTK207	3/4 in. Std.w/Float+ Drain Trap Kit

Installation Components



Drain Trap Kit With Safety Overflow Switch

U Trap, Cleaning Brush, Float Switch

- Easy Installation and Troubleshooting
- Schedule 40 PVC Fittings
- Cleanout Tee
- Fits 3/4" PVC; 1" Drop



Item ID	Description
DTK210	3/4 in. Std.w/Float Drain Trap Kit

Drain Line Tubing



For applications ranging from air conditioning and refrigeration condensate drains, condensate pump discharge lines to humidifier overflow lines.

Clear Vinyl Tubing

Clear vinyl hose applications include: air conditioning and refrigeration condensate drains, condensate pump discharge lines and humidifier overflows.

Item ID	Description
7-316	3/16" ID Clear Vinyl Tubing – 100' section
7-10	1" ID Clear Vinyl Tubing – 100' section
7-12	1/2" ID Clear Vinyl Tubing – 100' section
7-14	1/4" ID Clear Vinyl Tubing – 100' section
7-34	3/4" ID Clear Vinyl Tubing – 100' section
7-38	3/8" ID Clear Vinyl Tubing – 100' section
7-58	5/8" ID Clear Vinyl Tubing – 100' section
7-78	7/8" ID Clear Vinyl Tubing – 100' section



7-14
Illustrated

Gorilla Tube™ Clear Vinyl Tubing

Applications include: air conditioning and refrigeration condensate drains, condensate pump discharge lines, and humidifier overflows. Several sizes from 1/4" to 1" diameter. Non-toxic clear vinyl chloride. Select Gorilla Tube™ over standard clear vinyl tube because:

- Extra rigid design resists crimping and kinking due to durometer value of 80 (Shore A) and thicker wall
- Maximum service temperature 140°F (60°C)

Item ID	Description
7-12P	1/2", .500" I.D., .631" O.D., .066 wall thickness
7-14P	1/4", .250" I.D., .360" O.D., .055 wall thickness
7-34P	3/4", .750" I.D., .913" O.D., .082 wall thickness
7-38P	3/8", .375" I.D., .495" O.D., .060 wall thickness
7-58P	5/8", .625" I.D., .771" O.D., .073 wall thickness
7-78P	7/8", .875" I.D., 1.050" O.D., .088 wall thickness



7-14P
Illustrated

Pan Treatments & Disinfectant



Pro-Treat[®] Condensate Pan Treatment

Condensate Drain Pan Treatment controls odors and eliminates drain pan overflows and the resulting water damage. 100 tablet jar. (Initial application: 2 tablets; ongoing maintenance: 1 tablet per month). Pro-Treat pan treatment is available in several sizes to assure season-long, trouble-free condensate drain pan performance.



Item ID	Description
PROTREAT-152	12 King Size Tablets, 1 Tablet - 3 Tons/3Mo.
PROTREAT-161	100 Tablets, 2 Tablet - 3 Tons/Mo.
PROTREAT-200	200 Tablets, 2 Tablet - 3 Tons/Mo.
PROTREAT-217	200 Thin Tablets, 3 Tablet - 3 Tons/Mo.

Notes: **Industrial Use Only.

Pro-Treat[®] Condensate Pan Treatment

Pro-Treat Strip, 1-2 Ton kills odor-causing bacteria, lasts up to 6 months. (10 strips/pack for 1 to 2 ton equipment.) Use in primary drain pan of cooling equipment including air conditioners and refrigerators. Controls foul-smelling odors caused by mildew, fungi, bacteria, algae, and slime. For use in hotels, schools, colleges, hospitals, nursing homes, airports, and many other locations.

Item ID	Description
PS-03	For Equipment From 3 to 5 Tons, 6 Applications
PS-07	For Equipment From 7 to 12 Tons, 2 Applications
PS-20	For Equipment From 10 to 25 Tons, 1 Application
PS-40	For Equipment From 40 to 50 Tons, 1 Application

EPA Registered



Each Pan Strip is a 6-Month Treatment

Flow-Plus[®] Condensate Pan Treatment

Drain Pan Treatment has a unique polymer formula to maintain condensate flow and prevent drain pan overflow. 200 mini-tablet jar for use with 1/3 to 3 ton equipment. No residue, no waste, non-clogging - with a long-term activated release, environmentally safe, non-toxic, and non-corrosive. Available in several sizes to meet specific equipment tonnage requirements.

Item ID	Description
FLOW-PLUS-200	200 Mini Tabs, For 1/3 to 3 Ton Units
FLOW-PLUS-25	25 Mini Tabs, For 1/2 to 3 Ton Units
FLOW-PLUS-6	Light Tonnage, For 3 to 5 Ton Units
FLOW-PLUS-10	Medium Tonnage, For 5 to 20 Ton Units
FLOW-PLUS-125	High Tonnage, For 20 to 50 Ton Units
FLOW-PLUS-CP	6 Pump Treatment Tablets
SCM-185-8	Flow-Plus [®] Polymer Pan Treatment, (1) - 8lb Tub



Pan Treatments & Disinfectant



Horizontal Condensate Neutralizer

Neutralizer Cartridge, Wall Mount neutralizes condensate from natural gas or propane condensing boilers and furnaces. Low profile is suitable for drains near the floor; can be mounted horizontally or vertically. Prevents environmental harm, and drain and sewer corrosion. Maintains bacteria at a neutral level in septic systems. Includes neutralizing media.

- 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



Item ID	Description
CNH-4K	Horizontal Neutralizer Cartridge

Vertical Condensate Neutralizer

Neutralizer Cartridge, Vertical Mount is a wall-mount cartridge designed for vertical installation that neutralizes condensate from natural gas or propane condensing boilers and furnaces. Prevents environmental harm, and drain and sewer corrosion. Maintains bacteria at a neutral level in septic systems. Includes neutralizing media.

- Has the Same Features as Horizontal Condensate Neutralizer
- Float System Indicates if Unit has Become Plugged
- Integral Bypass Feature Prevents Condensate Backflow into Appliance
- 3/4" FNTP Inlet and Outlet Connections
- Includes Initial Charge of Neutralization Media



Item ID	Description
CNV-4K	Vertical Neutralizer Cartridge

Neutralization Tank

Neutralizer Tank, Low Profile neutralizes condensate from natural gas or propane condensing boilers and furnaces. Low profile is suitable for drains located near the floor. Prevents environmental harm, and drain and sewer corrosion. Maintains bacteria at a neutral level in septic systems. Includes neutralizing media.

- Suitable for 3 Million 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



Item ID	Description
CNT-3M	Low Profile Neutralization Tank

Neutralization Media Prevents Acidic Condensate from Corroding Drains and Sewer Systems

Replacement For

CNM-4K CNV-4K | CNH-4K | CNHK-4K

CNM-BULK CNV-4K | CNH-4K | CNHK-4K

CNM-3M CNT-3M

Coil Cleaners



Triple-D®

Triple-D® is a universal, medium-duty coil cleaner. It's low foaming, alkaline detergent is metal safe and fin friendly, and is microchannel and mini-split safe. Use this coil cleaner indoor or outdoor to degrease and deodorize condensers and evaporators.

- Ultimate medium-duty coil cleaner for condensers & evaporators
- Indoor & outdoor low-foaming alkaline detergent
- Metal safe & fin friendly
- Economical: 1 gallon makes 7 gallons of coil cleaner
- NSF approved
- More convenience to choose from with NEW packaging options:
4 times concentrate quart & handy 1 shot 4 oz. bottle

Item ID	Description
TRIPLE-D	Triple-D® – 1 gallon concentrate
TRIPLE-D-32	Triple-D® – 32 oz. bottle – concentrate
TRIPLE-D-AER	Triple-D® – 19 oz. Aerosol
TRIPLE-D-AER-6	Triple-D® – 19 oz. Aerosol
TRIPLE-D-RTU	Triple-D® – 1 quart trigger sprayer – pre-diluted
TRIPLE-D-1SHOT	Coil Cleaner, Triple-D 1 Shot 4oz
TRIPLE-D-4X	Coil Cleaner, Triple-D, 4x Concentrated 32oz



Pro-Green™

Pro-Green™ Coil Cleaner, 1 gal. is a no-rinse, mild alkaline coil cleaner designed for air-cooled condensers, evaporators, electronic and permanent filters, fan blades, grilles, mini-split and microchannel applications. Pro-Green cleans deposits on coils and rids condensate pans of slime.

- No-rinse mild alkaline
- Non-fuming for indoor use
- Aluminum safe for microchannel and mini-splits
- Non-toxic, non-corrosive
- Economical: 1 gal. makes 4 gallons of coil cleaner
- NSF approved
- More convenience to choose from with NEW packaging options:
4 times concentrate quart & handy 1 shot 4 oz. bottle

Item ID	Description
PRO-GREEN	Pro-Green™ No Rinse (non-toxic) – 1 gallon container
PRO-GREEN-AER	Pro-Green™ Foaming Concentrate (non-acid) – Aerosol
PRO-GREEN-1SHOT	Coil Cleaner, Pro-Green 1 Shot 4oz
PRO-GREEN-4X	Coil Cleaner, Pro-Green, 4x Concentrated 32oz



Coil Cleaners



Pro-Blue™

Pro-Blue™ is a heavy duty foaming alkaline-based solution designed for condensers that penetrates dirt, grime and oxide deposits while degreasing resulting in clean and brightened coils. Pro-Blue is biodegradable, NSF approved, and available in numerous packaging configurations.

- Heavy-duty foaming outdoor coil cleaner
- Brightens coils
- Penetrates dirt, grease & grime
- Great for small condensers
- Economical: 1 gallon makes 4 gallons of coil cleaner
- NSF approved
- More convenience to choose from with NEW packaging options: 4 times concentrate quart & handy 1 shot 4 oz. bottle.



Item ID	Description
PRO-BLUE	Pro-Blue™ Foaming Concentrate (non-acid) – 1 gallon container
PRO-BLUE-5	Pro-Blue™ Foaming Concentrate (non-acid) – 5 gallon pail
PRO-BLUE-55	Pro-Blue™ Foaming Concentrate (non-acid) - 55 gallon container
PRO-BLUE-AER	Pro-Blue™ Foaming Concentrate (non-acid) – Aerosol
PRO-BLUE-1SHOT	Coil Cleaner, Pro-Blue 1 Shot 4oz
PRO-BLUE-4X	Coil Cleaner, Pro-Blue, 4x Concentrated 32oz

Pro-Red+™

Pro-Red+™ is a fast acting alkaline coil cleaning solution that foams and lifts away stubborn deposits including tarnish and corrosion. Its non-acid formula is as effective as conventional cleaners without the use of hydrofluoric acid. The vigorous foaming action eliminates the need for prolonged soaking (three to five minutes), steam cleaning, or scrubbing coils. It will not emit corrosive fumes or rust ferrous metals. Pro-Red+ brightens, removes condensate "gunk," dirt, grime, and oxide deposits while degreasing. It is ideal for small and large condensers.

- Foaming alkaline detergent
- Lifts away grime
- Corrosion-inhibiting formula
- Great for condensers
- Economical: 1 gallon makes 4 gallons of coil cleaner
- NSF approved
- More convenience to choose from with NEW packaging options:
- 4 times concentrate quart & handy 1 shot 4 oz. bottle.



Item ID	Description
PRO-RED+	Pro-Red Plus™ Cleaner and Brightener (non-acid) – 1 gallon container
PRO-RED+5	Pro-Red Plus™ Cleaner and Brightener (non-acid) – 5 gallon pail
PRO-RED+-55	Pro-Red Plus™ Cleaner and Brightener (non-acid) – 55 gallon container
PRO-RED-1SHOT	Coil Cleaner, Pro-Red 1 Shot 4oz
PRO-RED-4X	Coil Cleaner, Pro-Red, 4x Concentrated 32oz

Coil Cleaners



Pro-Yellow™

Pro-Yellow™ is a powerful heavy foaming alkaline coil cleaner that removes debris and targets large concentrations of dirt and grime. Pro-Yellow brightens, removes condensate “gunk,” dirt, grime, and oxide deposits while degreasing. Pro-Yellow is ideal for small and large condensers and requires a soak time of three to five minutes.

- Aggressive cleaning agents & detergents for stubborn jobs
- Foaming alkaline cleaner
- Ideal for small & large condensers
- Brightens coils
- Penetrates dirt, grime & oxide deposits
- Economical: 1 gallon makes 3 gallons of coil cleaner
- NSF approved



PRO-YELLOW Illustrated

Item ID	Description
PRO-YELLOW	Pro-Yellow™ (non-toxic) – 1 gallon container
PRO-YELLOW-32	Pro-Yellow™ (non-toxic) – 32 oz. bottle
PRO-YELLOW-AER	Pro-Yellow Aerosol

Pro-Brown™

Pro-Brown™ is a heavy duty foaming alkaline coil cleaner that pulls out deeply embedded dirt removing greasy soils and oxidation. Pro-Brown brightens, removes condensate “gunk,” dirt, grime, and oxide deposits while degreasing. Pro-Brown is ideal for small and large condensers and requires a soak time for four to six minutes.

- Powerful cleaning agents & detergents for outdoor jobs
- Foaming alkaline cleaner
- Ideal for aluminum heating & cooling coils
- Brightens coils
- Penetrates dirt, grime & oxide deposits
- Economical: 1 gallon makes 4 gallons of coil cleaner
- NSF approved



PRO-BROWN Illustrated

Item ID	Description
PRO-BROWN	Pro-Brown™ Foaming Coil Cleaner – 1 gallon container
PRO-BROWN-5	Pro-Brown™ Foaming Coil Cleaner – 5 gallon pail
PRO-BROWN-AER	Pro-Brown Aerosol

Leak Detection



Bubble-N-Trouble™

Bubble-N-Trouble™ Leak Detector, 1 gal. is non-corrosive, non-toxic, and biodegradable. Does not attack metal or interfere with brazing or soldering. Spray-on application allows easy access for hard to reach places. Tacking agent holds solution on test surface making Bubble-N-Trouble™ very economical. Also available in 32 oz. trigger spray bottle.

Item ID	Description
BNT-1	Bubble-N-Trouble™ Freeze Protected Spray-On Leak Detector



Soldering & Heat Sheilding

Solder Paste Flux

Clean fit solder paste flux is used in all industries and is a non-aggressive formula used to sweat copper and brass fittings. Not for electronic use unless so stated. The all purpose formula stays stiff in hot weather and stays soft and sticky, even in cold weather.

MILL-ROSE

Item ID	Description
61-71030	2 oz. (carded)
61-71031	Solder paste flux kit: includes 2 oz. flux, abrasive cloth, acid brush.



61-71030
Illustrated

Solder Paste
Flux

Cool Gel Spray

Heat dissipating spray helps prevent heat damage to components and surrounding materials during soldering, brazing, and welding. It protects painted and finished surfaces from discoloration due to adjacent torch operations. This product also reduces the danger of fire to surrounding surfaces such as studs, drywall, and insulation. The unique non-staining gelled formula sticks to surfaces without dripping or running off and leaves no residue. Safe, nontoxic, and odorless spray liberally on adjacent surfaces needing protection. The spray pattern is adjustable from stream to mist. One quart spray bottles sold in cases of 12.

Item ID	Description
15-11509	Cool Gel Spray 12/Case



Bloc-It Paste

Heavy paste effectively absorbs surface heat and protects adjoining surfaces that may be damaged by excessive heat. Typically used to protect rubber, plastic, prevent metal distortion, painted and finished surfaces during soldering, brazing or welding. Safe to use, Bloc-It is nontoxic, harmless to skin, odorless, and does not contain asbestos. Wipe off with cloth or wash with water, Bloc-It will not leave stains. 10 oz. tubes sold in cases of 24.

Item ID	Description
15-11511	Bloc-It Heat Absorbing Paste - 10oz 12/Case



Spray Nine Cleaners



Multi-Purpose / Degreaser / Disinfectant

Spray Nine - The First & Still The Best!

Spray Nine cleans hard surfaces such as stainless steel, plastic, tile, rubber, vinyl, fiberglass, porcelain and formica with "spray on, wipe off" ease.

Digs Out Tough Soils Fast!

Enriched with a powerful germicidal, Spray Nine can be used to disinfect and deodorize hospitals, nursing homes, schools, and other institutions where housekeeping is of prime importance. Also controls mold and mildew while destroying bacterial odors.

30 second disinfecting time*!

When used as directed, Spray Nine will disinfect hard non-porous surfaces such as walls, floors, tables, chairs and countertops. Spray Nine kills many bacteria and destroys powerful odors. Used as a hospital grade disinfectant, Spray Nine has been registered by Health and Welfare Canada to kill HIV-1 virus (associated with AIDS), Salmonella, Staphylococci, and Pseudomonas on inanimate surfaces in just 30 seconds. Used regularly, Spray Nine greatly reduces the risk of cross infection.

* Most disinfectant products require a 10 minute contact time to kill germs.



Item ID	Description	Package
15-C26822	650 ml pump bottle	12/ctn
15-26832	946 ml spray bottle	12/ctn
15-26804	4 L jug	4/ctn



Spray Nine Industrial

The In-process Cleaning & Degreasing Solution!

No other product removes really tough industrial soils as quickly and effectively from manufacturing equipment, engines and machinery to countertops, floors and even washrooms as Spray Nine Industrial. The ready to use formula saves time, labour and money by effectively serving as a all in one cleaner.

Item ID	Description	Package
15-13532	946 ml spray bottle	12/ctn



Penetrating Oil & Lubricants



Break•Away Fast Penetrating Oil

Brake•Away is a pure oil-based product that penetrates faster and lubricates longer. It leaves a thicker, longer lasting film vs. light duty solvent-based water displacement formulas. Brake•Away is famous for completing the cycle of lubrication and reducing the coefficient of friction on hot or cold moving parts. Whether it be freeing frozen parts, lubricating moving components or protecting tools and equipment from rust or corrosion, Brake•Away's fast penetrating oil is your anywhere, anytime solution. Contains no ozone depleting CFC's. (pin point applicator straw included).



Item ID	Description	Package
15-C10	369g aerosol can style	12/ctn

Silicone Spray

Synthetic Polymer Lube - The Heavy Duty, Industrial Grade Lubricant!

Silicone Spray's industrial grade formula is an extra heavy-duty concentrate of high quality silicone for maximum performance. Silicone Spray lubricates mechanical parts, conditions rubber, waterproofs and protects against rust or corrosion. Silicone is a stain-free synthetic polymer lubricant that virtually dries to the touch. It reduces friction and lubricates without petroleum oil or grease. Contains no ozone depleting CFC's. (pin point applicator straw included).



Item ID	Description	Package
15-C33	450 ml aerosol can style	12/ctn

Ball Valves

Fireplace Forged Gas Ball Valves

- Brass ball valves
- Red wing handle
- 600 WOG



Brass Indoor	Plated Outdoor	Description
-	06-FGV38P	3/8" FNPT × 3/8" FNPT, 5/Case
06-FGV12	06-FGV12P	1/2" FNPT × 1/2" FNPT, 5/Case
-	06-FGV34P	3/4" FNPT × 3/4" FNPT, 5/Case
-	06-FGV1P	1" FNPT × 1" FNPT, 2/Case
-	06-FGV114P	1¼" FNPT × 1¼" FNPT, 2/Case
-	06-FGV112P	1½" FNPT × 1½" FNPT, 2/Case

Appliance Forged Gas Ball Valves

- Brass ball valves
- Red wing handle
- 600 WOG



Item ID	Description
06-GWH12	1/2" FNPT × 1/2" FNPT, 3/8" port, 10/Case
06-GWH34	3/4" FNPT × 3/4" FNPT, 1/2" port, 10/Case

Appliance Forged Gas Ball Valves

- Brass ball valves
- Yellow flat head
- 600 WOG



Item ID	Description
06-FHGV34	3/4" FNPT × 3/4" FNPT, 1/2" port, 12/Case

Fireplace Forged Gas Ball Valves

- Brass ball valves
- Red wing handle
- 600 WOG



Item ID	Description
06-FP1238	1/2" FNPT × 3/8" Male flare, 10/Case
06-FP1212	1/2" FNPT × 1/2" Male flare, 10/Case

Water Valves

Brass Wided Ball Valves

- Full Port
- Female sweat connection
- 600 WOG
- Green lever handle



Brass Indoor	Description
06-SWV12	1/2" Sweat × 1/2" Sweat, 5/Case



Gas Connectors

DiversiTech Gas Connector 1/2"

Combining flexibility, durability, and functionality, DiversiTech stainless steel gas connectors are CSA design certified and 100% leak tested for quality and security. DiversiTech gas connectors are durable and reliable to give you everything you need. Available in a variety of sizes and lengths.

Item ID	Description
D20-3132-18	18" long, 1/2" OD x 3/8" ID, M x F, 12/Case
D20-3132-24	24" long, 1/2" OD x 3/8" ID, M x F, 12/Case
D20-3132-36	36" long, 1/2" OD x 3/8" ID, M x F, 12/Case
D20-3132-48	48" long, 1/2" OD x 3/8" ID, M x F, 12/Case



D20-3132-24
Illustrated

DiversiTech Gas Connector 5/8"

Combining flexibility, durability, and functionality, DiversiTech stainless steel gas connectors are CSA design certified and 100% leak tested for quality and security. DiversiTech gas connectors are durable and reliable to give you everything you need. Available in a variety of sizes and lengths.

Item ID	Description
D30-3131-24	24" long, 5/8" OD x 1/2" ID, M x M, 12/Case
D30-3131-36	36" long, 5/8" OD x 1/2" ID, M x M, 12/Case
D30-3131-48	48" long, 5/8" OD x 1/2" ID, M x M, 12/Case
D30-3132-18	18" long, 5/8" OD x 1/2" ID, M x F, 12/Case
D30-3132-24	24" long, 5/8" OD x 1/2" ID, M x F, 12/Case
D30-3132-36	36" long, 5/8" OD x 1/2" ID, M x F, 12/Case
D30-3132-48	48" long, 5/8" OD x 1/2" ID, M x F, 12/Case



D30-3131-36
Illustrated

Epoxy Coated Gas Connectors

Yellow coated gas connectors include an epoxy coating for added durability and extra protection from corrosion, chemical stains from common household products, and plumbing repairs.

Item ID	Description
DC20-3131-18	Gas Connector coated – 18" long, 1/2" OD x 3/8" ID. M x F, 12/Case
DC20-3131-24	Gas Connector coated – 24" long, 1/2" OD x 3/8" ID. M x F, 12/Case
DC20-3131-36	Gas Connector coated – 36" long, 1/2" OD x 3/8" ID. M x F, 12/Case
DC20-3131-48	Gas Connector coated – 48" long, 1/2" OD x 3/8" ID. M x F, 12/Case
DC20-3132-18	Gas Connector coated – 18" long, 1/2" OD x 3/8" ID. M x F, 12/Case
DC20-3132-24	Gas Connector coated – 24" long, 1/2" OD x 3/8" ID. M x F, 12/Case
DC20-3132-36	Gas Connector coated – 36" long, 1/2" OD x 3/8" ID. M x F, 12/Case
DC20-3132-48	Gas Connector coated – 48" long, 1/2" OD x 3/8" ID. M x F, 12/Case
DC30-3131-18	Gas Connector coated – 18" long, 5/8" OD x 1/2" ID. M x M, 12/Case
DC30-3131-24	Gas Connector coated – 24" long, 5/8" OD x 1/2" ID. M x M, 12/Case
DC30-3131-36	Gas Connector coated – 36" long, 5/8" OD x 1/2" ID. M x M, 12/Case
DC30-3131-48	Gas Connector coated – 48" long, 5/8" OD x 1/2" ID. M x M, 12/Case
DC30-3132-18	Gas Connector coated – 18" long, 5/8" OD x 1/2" ID. M x F, 12/Case
DC30-3132-24	Gas Connector coated – 24" long, 5/8" OD x 1/2" ID. M x F, 12/Case
DC30-3132-36	Gas Connector coated – 36" long, 5/8" OD x 1/2" ID. M x F, 12/Case
DC30-3132-48	Gas Connector coated – 48" long, 5/8" OD x 1/2" ID. M x F, 12/Case



DC30-3132-18
Illustrated

Flue Caps



Flue Caps

PVC Flue Caps are an affordable way to protect today's high efficiency furnaces from dirt, moisture and other debris. It protects high efficiency furnaces and reduces draft inducer motor rust. The Universal flue cap fits 1.5", 2" and 3" PVC Pipe. It helps to eliminate pressure switch service calls, is resistant to UV radiation and oxidative degradation and is CSA approved for use in 90% AFUE heating applications.

Item ID	Description
EC-1	E Capp Flue Cap, 12/Case



High Heat Spray Paint



High Heat Spray Paint

Ultra high temperature coating formulated to resist temperatures up to 1300 degrees F. It's great for use on boilers, furnaces, steam pipes, chimney collars, compressors and engine manifolds. Meets most recent VOC legislation and is currently compliant.

Item ID	Description
799-040	High Heat Spray Paint – Aluminum, 6/Case
799-041	High Heat Spray Paint – Black, 6/Case



Slugs & Cords



Wraptite Slugs & Cords

Sealing slugs & cord are soft, permanently pliable, water-resistant sealants having a wide variety of applications. The product has the unique quality of retaining the same consistency throughout its application range of -7°C to 60°C (20°F to 140°F). Non- asbestos and non-hardening, remains flexible to -7°C (20°F).

Sealing slugs & cords are used widely in the air conditioning and refrigeration industries to seal around outer cases, behind hinges and under breaker strips. They can be used to seal out air or moisture around utility panels, cables, ducts, window frames and metal joints. This product adheres to metal, wood, glass, plastic and most clean surfaces to provide an effective barrier against water, moisture, dirt and dust. It is non-staining, non-bleeding, odorless and can be painted.

Item ID	Description
84-PC-30	3/8" x 25' Cord
84-PS-30	2 lb. Slug
84-PS30-B	50 lb. Bulk Slug



Tapes



Wraptite Rubberized Cork Insulation Tape

Formulated to provide insulation and to prevent condensation on hot or cool pipes, fittings and tubing used in heating, air conditioning, refrigeration and plumbing applications. Cork Insulation Tape adheres well to most clean, dry surfaces and to itself, making it possible to apply more than one layer without adding fasteners or adhesives.

It is sufficiently soft and pliable enabling it to be molded around most fittings or connections. The material retains its flexibility and adhesion after prolonged exposure to UV and over a service temperature range of -29°C to 88°C (-20°F to 190°F). Cork Insulation Tape is black in colour and has a grainy, rubber-like consistency which is non-toxic and non-asbestos.



Item ID	Description
84-PT-30	1/8" x 2" x 30' Roll

Wraptite Foam Insulation Tape

Foam Insulation Tape is designed to seal, insulate and isolate vibration in air conditioning and refrigeration applications. The soft, flexible, closed cell sponge tape with paper covered self-adhesive backing seals out air and moisture while reducing heat loss or transfer. Cold water pipes, valves, chilled water and refrigeration lines can be wrapped to prevent sweating or condensation while hot water pipes and pipe heaters can be wrapped to insulate against heat loss.

Easily applied by hand, Wraptite Foam Insulation Tape adheres well to most clean, dry surfaces and to itself, making it possible to apply more than one layer. The formulated operating temperature of Wraptite Foam Insulation Tapes is between -34°C to 82°C (-30°F to 180°F) with the ability to intermittently tolerate temperature of 98°C (210°F).



Item ID	Description
84-FT-30	1/8" x 2" x 30' Roll

Stick-E-Tape

Self-adhesive aluminum tape with temperature range of -40 degree F to 200 degree F. Easily painted. Excellent vapor barrier; effective UV and water shield over urethane foam. Preferred duct and pipe wrap.



Item ID	Description
50302	AFT-701-2 - 2" x 50' Roll, 24/Case

Aluminum Foil Tape

Prevents heating and cooling losses. Blocks odors and moisture. Easy to handle. Use for HVAC and refrigeration systems. 35 degree F to plus 260 degree F working temperatures. 3-5 year shelf life. Made in USA.



Item ID	Description
640-AF2	2" Aluminum Foil Tape - 50 yds. 24/Case

Tapes



Foil Scrim Kraft Tape

Non tearable, diamond patterned backing with an aggressive rubber based adhesive system for consistently dependable performance. Made in the USA.



Flex Duct Tape

Specially designed to meet new UL181B FX code for flex duct. Higher adhesion and tack than traditional cloth duct tapes. Conformable, hand tearable foil; 3 mil thickness. 2 in. x 120 yds. Code identification printed on the tape. Acrylic adhesive for superior performance in extreme environments. (35°F to 260°F)



Item ID	Description
640-FSK3	Foil Scrim Kraft Tape – 3" – 50 Yards. 16/Case

Item ID	Description
640-FD2S	Flex Duct Tape - Silver - 2", 24/Case
640-FD2B	Flex Duct Tape - Black - 2", 24/Case
640-FD3S	Flex Duct Tape - Silver - 3", 16/Case

Cloth Duct Tapes

High tack, excellent strength. Superior performance in sealing air handling systems. Heavy cloth content for easier tearing and additional strength. Made in the USA.



Item ID	Description
PC-622-S	2" x 60 Yards – Premium Grade – Silver, 24/Case
PC-622-B	2" x 60 Yards – Premium Grade – Black, 24/Case
PC-609-S	2" x 60 Yards – Industrial Grade – Silver, 24/Case
PC-609-B	2" x 60 Yards – Industrial Grade – Black, 24/Case
PC-600-S	2" x 60 Yards – Contractor Grade – Silver, 24/Case
PC-600-B	2" x 60 Yards – Contractor Grade – Silver, 24/Case
PC-857	2" x 60 Yards – Metallized UL181B-FX Flex Duct Tape, 24/Case

Duct Straps



Duct Strap – Woven Polypropylene

Webbed duct strap possessing high tensile and abrasion resistance. This can be used for flex duct as it is easy to cut and staple to joists. The product is chemical resistant and tested to meet UL Standard 2043.



Duct Strap – Metallic – Roll

Galvanized duct strap in a convenient cardboard dispenser is not only easy to drill or nail, but also solid strapping. Plenum rated.



Item ID	Description
710-100	1-3/4" x 100 Yards – Black, 24/Case
710-101	1-3/4" x 100 Yards – Silver, 24/Case
710-102	3" x 100 Yards – Black, 8/Case
710-103	3" x 100 Yards – Silver, 8/Case

Item ID	Description
710-001	26 Gauge – 1" x 100'
710-002	30 Gauge – 1" x 100'
710-003	30 Gauge – 1-1/2" x 100'
710-004	26 Gauge – 1-1/2" x 100'
710-005	22 Gauge – 1" x 100'

Silicone

- NSF Approved • 100% Silicone • 100% RTV

NuFlex® 302 General Purpose

302 (GP) General Purpose is available in multiple colours. The ideal multiple purpose silicone sealant for all weather applications.



Item ID	Description
83-30280	Clear 302 GP Squeeze Tube 83ml/2.8oz, 24/Case
83-30283	Black 302 GP Squeeze Tube 83ml/2.8oz, 24/Case
83-30201	White 302 GP Cartridge 300ml/10.15oz, 12/Case
83-30200	Clear 302 GP Cartridge 300ml/10.15oz, 12/Case
83-30202	Aluminium 302 GP Cartridge 300ml/10.15oz, 12/Case
83-30203	Black 302 GP Cartridge 300ml/10.15oz, 12/Case

NuFlex® 302 High Temperature

302 (HT) High Temperature withstands temperatures of 260°C(500°F) constant and 316°C(600°F) intermittent. An ideal silicone for extreme temperature applications.



Item ID	Description
83-30289	Red 302 HT Squeeze Tube 83ml/2.8oz, 24/Case
83-30293	Black 302 HT Squeeze Tube 83ml/2.8oz, 24/Case
83-30209	Red 302 HT Cartridge 300ml/10.15oz, 12/Case
83-30213	Black 302 HT Cartridge 300ml/10.15oz, 12/Case

Caulking Guns

113 Series

Economy grade
310ml/10.15oz
Clean out tool on barrel.



15-CG000113

138 Series

Professional grade
310ml/10.15oz
Clean out tool on barrel.



15-CG000138

Aluminum Pulleys

Blower Pulleys

Item ID	Bore	Diameter
67-650*		5"
67-660		6"
67-670	3/4"	7"
67-690		9"
67-610		10"
67-612		12"
67-860		6"
67-870		7"
67-880	1"	8"
67-890		9"
67-810		10"

Note: * 5" Pulley is solid.



67-660
Illustrated

Variable Speed Pulleys

Item ID	Bore	Diameter
67-4325		3 1/4"
67-4350	1/2"	3 1/2"
67-4375		3 3/4"
67-4400		4"
67-5325		3 1/4"
67-5350	5/8"	3 1/2"
67-5400		4"

Cast aluminum pulley mfg'd to OEM specs



67-4325
Illustrated

Bearings

Ball Bearings

Bearings complete with collar.

Item ID	Bore	OD	Cross Reference
67-4336-1	3/4"	1 13/16"	LRCR
67-4336-2			(2) Bearings & (2) Collars
67-4346-1	1"	2 1/4"	RCR



Sleeve Bearing Packs

Kits include 2 bearings & 2 rubber sleeves.

Item ID	Bore	OD	Type	Cross Reference
67-4036-2	3/4"	1 25/32"	Oil	Delhi
67-4135-2	5/8"	1 7/8"	Sealed	Lau
67-4136-2	3/4"	1 13/16"		Delhi
67-4137-2		Lau & Lennox		
67-4138-2		1 7/8"		Torin
67-4147-2	1"	2 1/2"		Lau & Lennox
67-4148-2			Torin	



Bearings & Sleeves

Item ID	Bore	Type
67-4136-B	3/4"	Sealed Bearing
67-4136-R		Rubber Sleeve



Thrust Collar Packs

Item ID	Description
67-2164	2) 5/8" collars & washers
67-2165	(2) 3/4" collars & washers



Cushioned Pillow Blocks

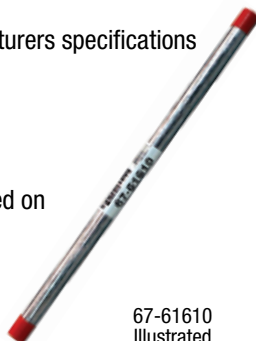
Item ID	Description	Industry No	Bearing Shaft Size
535-BB1	Bronze Bearing Pillow Block	NAH8A	1/2"



Shafts

Shafts

- Sized to bearing manufacturers specifications
- Slabbed on pulley end
- Rust protected
- Individually wrapped
- Protective end caps
- Part number and size listed on every shaft



Item ID	Diameter	Length	Cross Reference
67-61400	3/4"	14"	8-5-245C, 2100159
67-61600		16"	8-6-23608, WW15X36, 2100162, 2100163, 2100198
67-61610		16 5/8"	8-5-240C, G10, G110, 2100011, 2100161
67-61920		19 1/8"	G12, 2100168
67-62000		20"	M90-256, RS620
67-62400		24"	8-5-243C
67-63600		36"	

Control Transformers

Control transformers are designed for use in 2.5, 12 or 24 volt alternating current (AC) control systems, including air conditioning circuits, thermostats, gas valves, relays and or other applications that do not exceed the listed ratings. These transformers can be used to replace any transformers of the same primary voltage and equal or smaller VA ratings.

- Compact superior design • Individually boxed with instructions • Includes necessary mounting hardware • Complete cross-reference

SPECIALLY DESIGNED FOR LOW VOLTAGE CONTROL APPLICATIONS IN THE INDUSTRIAL HEATING & COOLING INDUSTRY!



34-20241

Foot Mount

Item ID	VA	Primary Voltage	Secondary Voltage	Secondary Connections
34-20241	20	120	24	Wire

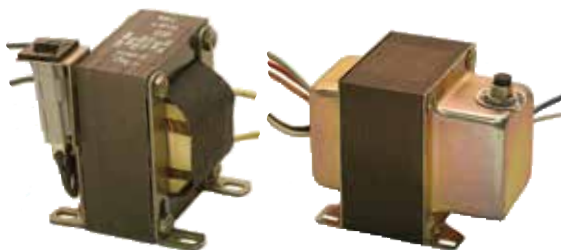


34-50243

Multi Mount (Foot, Plate, Conduit)

- 34-52C6 mounting plate, (2) screws & (2) wire connectors included.

Item ID	VA	Primary Voltage	Secondary Voltage	Secondary Connections
34-50243	50	120/ 208/ 240	24	Wire



34-75241

34-10244

Foot Mount

Heavy Duty (c/w Circuit Breaker)

Item ID	VA	Primary Voltage	Secondary Voltage	Secondary Connections
34-75241	75	120	24	Wire
34-10244	96	120/ 240/ 277/ 480	24	Wire

Transformers



Class II Foot Mount Transformers

- Packard transformers replace models with equal or lower VA rating
- Foot mount
- Class II transformers



Item ID	Primary Voltage	VA Rating	Secondary Rating	Mounting Option	Connection	Cross Reference
PF12416	120	10	16	Foot	Wire Lead / Term	UET 10A
PF24200	120	20	24	Foot	Wire Lead / Term	Williams Furnace 24200
34-40245	120/208/240	20	24	Foot	Wire Lead	"Jard 2031F , UET 114"
34-40244	120	40	24	Foot	Wire Lead	Jard 4011F
PF40115	120	40	24	Bracket	1/4" QC Term.	Goodman 013M00140S
PF113	120	40	24	Foot	Wire Lead/Term	90-113 Fan Center Transformer
PF12406	120	40	24	Foot	Wire Lead	46-24124-06
PF40224	208/240	40	24	Foot	Terminals	Goodman 013M00138S
PF22440	208/240	40	24	Foot	Wire Lead	Jard 4021F
PF137	208/240	40	24	Foot	Wire Lead	First Company E137
PF90501	208/240	40	24	Foot	1/4" QC Term.	46-101905-01
PF105	120/208/240	40	24	Foot	Wire Lead	UET 105
PF4031VM	120/208/240	40	24	Foot	Wire Lead	Jard 4031VM, Rheem 46-24124-06
PF42440	120/208/240	40	24	Foot	Wire Lead	Jard 4031F, UET 115
PF4031OEM	120/208/240	40	24	Foot	Terminals	Jard 4031OEM, Rheem 46-101905-01
PF32440	120/208/240	40	24/12/2.5	Foot	Wire Lead	Jard 4032F, UET 101

Transformers



Class II Foot Mount Transformers

- Packard transformers replace models with equal or lower VA rating
- Foot mount
- Class II transformers



Item ID	Primary Voltage	VA Rating	Secondary Rating	Mounting Option	Connection	Cross Reference
PF32440 ⁻¹	120/208/240	40	24/12/2.5	Foot	Wire Lead	Jard 4032F, UET 101
PF27440	277	40	24	Foot	Wire Lead	Jard 40271F
PF12450 ⁻²	120	50	24	Foot	Wire Lead	Rheem 46-102856-02
PF85602	120	50	24	Foot	Wire Lead	46-102856-02
PF40350	120/208/240	50	24	Foot	Wire Lead	Jard 5031F
PF42450 ⁻³	120/208/240/480	50	24	Foot	Wire Lead	Jard 5041C
PF52460 ⁻³	120/208/240	60	24	Foot	Wire Lead	Jard 6041C, UET 160
PF52475F ⁻¹	120/208/240/480	75	24	Foot	Wire Lead	Jard 7541M, UET 175
34-75244 ⁻³	120/208/240/480	75	24	Foot	Wire Lead	Jard 7541C, UET 179R
34-75254 ⁻³	120/208/240/575	75	24	Foot	Wire Lead	Mars 50375
PF524100 ⁻³	120/208/240/480	100	24	Foot	Wire Lead	Jard 10041C

Notes: ⁻¹ Built-in fuse included. ⁻² Includes an Internal 2.5 Amp, 250V, Slow Blow Fuse. ⁻³ Equipped with a circuit breaker.

Transformers



Class II Multi-Mount Transformers

- Packard transformers replace models with equal or lower VA rating
- Multi-mount transformers
- 4 1/4" x 4 1/4" mounting plate included
- 1/2" conduit hub for electrical knockout mounting
- Class II transformers



Item ID	Primary Voltage	VA Rating	Secondary Rating	Mounting Option	Connection	Cross Reference
PM12040	120	40	24	Plate	Wire Lead/Term.	Universal Replacement
34-40241	120	40	24	Multi	Screw	Jard 4011M, UET 112
PM32440 ⁻¹	120/240	40	24	Multi	Wire Lead	Jard 4021M, UET 113
34-40243	120/208/240	40	24	Multi	Screw	Jard 4031M
PM43440 ⁻¹	120/208/240	40	24/12/2.5	Multi	Wire Lead	UET 111
34-48003	120/208/240	48	24/12/2.5	Multi	Wire Lead	Universal Replacement
PM44450 ⁻¹	120/208/240	50	24	Multi	Wire Lead/Term.	Jard 5031M, UET 150
PM43450	120/208/240	50	24/12/2.5	Multi	Wire Lead	Jard 5032M
PM7541MCB ⁻³	120/208/240/480	75	24	Multi	Wire Lead	Jard 7541MCB
PM10048P	208/240/480	100	24/120	Multi	Wire Lead	Jard 10048P

Notes: ⁻¹ Built-in fuse included. ⁻³ Equipped with a circuit breaker.

Definite Purpose Magnetic Contactors - Economy



1 Pole with Shunt & 2 Pole Models

- 1.5 pole (1 pole with shunt) 30 & 40 amp to 2 pole 20, 25, 30 & 40 amp.
- Features lug, spade terminals and protective covers
- Compact size
- Universal galvanized mounting plates
- ARI 780/790 standards
- Brass/copper terminals
- Quick connect and screw terminals on coil
- Snap on auxiliary contacts available
- cURus approved



Item ID	Poles	FLA	Coil Voltage 50/60	Locked Rotor Amps			Resistive Amps.	Termination	Furnas #
				240V	480V	600V			
DP-1P30A24	1.5	30	24	180	150	120	40	Box Lug	45EG10AJA
DP-1P30A120	1.5	30	120	180	150	120	40	Screw Type	45EG10AFA
DP-1P30A240	1.5	30	208/240	180	150	120	40		45EG10AGA
DP-1P40A24	1.5	40	24	240	200	160	50	Box Lug	45GG10AJAL, 45FG10AJA, 45GG10AJA
C140B	1.5	40	120	240	200	160	50		45GG10AFAL, 45FG10AFA, 45GG10AFA
DP-1P40A240	1.5	40	208/240	240	200	160	50		45GG10AGAL, 45FG10AGA, 45GG10AGA
DP-2P20A24	2	20	24	120	100	80	30	Box Lug	45CG20AJ
DP-2P20A120	2	20	120	120	100	80	30		45CG20AF
DP-2P25A24	2	25	24	150	125	100	35	Box Lug	45DG20AJ
DP-2P25A120	2	25	120	150	125	100	35		45DG20AF
DP-2P25A240	2	25	208/240	150	125	100	35		45DG20AG
DP-2P30A24	2	30	24	180	150	120	40	Box Lug	45EG20AJ
DP-2P30A120	2	30	120	180	150	120	40		45EG20AF
DP-2P30A240	2	30	208/240	180	150	120	40		45EG20AG
DP-2P40A24	2	40	24	240	200	160	50	Box Lug	45GG20AJL
DP-2P40A120	2	40	120	240	200	160	50		45GG20AFL
DP-2P40A240	2	40	208/240	240	200	160	50		45GG20AGL

Definite Purpose Magnetic Contactors - Economy



3 Pole Models

- 3 pole 20, 25, 30, 40, 50 & 60 amp
- Totally enclosed
- Features lug, spade terminals and protective covers
- Compact size
- Universal galvanized mounting plates
- ARI 780/790 standards
- Brass/copper terminals
- Quick connect and screw terminals on coil
- Snap on auxiliary contacts available
- cURus approved



Item ID	Poles	FLA	Coil Voltage 50/60	Locked Rotor Amps			Resistive Amps.	Termination	Furnas #
				240V	480V	600V			
DP-3P25A120	3	25	120	150	125	100	35	Box Lug	-
DP-3P30A24	3	30	24	180	150	120	40		42BF35AJ
DP-3P30A120	3	30	120	180	150	120	40	Box Lug	42BF35AF
DP-3P30A240	3	30	208/240	180	150	120	40		42BF35AG
DP-3P40A24	3	40	24	240	200	160	50		42CF35AJ
DP-3P40A120	3	40	120	240	200	160	50	Box Lug	42CF35AF
DP-3P40A240	3	40	208/240	240	200	160	50		42CF35AG
DP-3P50A24	3	50	24	300	250	200	65		42DF35AJ
DP-3P50A120	3	50	120	300	250	200	65	Box Lug	42DF35AF
DP-3P50A240	3	50	208/240	300	250	200	65		42DF35AG
DP-3P60A24	3	60	24	360	300	240	75		42EF35AJ
DP-3P60A120	3	60	120	360	300	240	75	Box Lug	42EF35AF
DP-3P60A240	3	60	208/240	360	300	240	75		42EF35AG
C375A	3	75	24	450	375	300	90		42FE35AJ106
DP-3P75A120	3	75	120	450	375	300	90	Box Lug	42FE35AF106
DP-3P75A240	3	75	208/240	450	375	300	90		42FE35AG106
DP-3P90A120	3	90	120	540	450	360	120		42GE35AF106
DP-3P90A240	3	90	208/240	540	450	360	120	Box Lug	42GE35AG106

Definite Purpose Magnetic Contactors - Economy



4 Pole Models

- 4 pole 20, 25, 30 & 40 amp
- Totally enclosed
- Features lug, spade terminals and protective covers
- Compact size
- Universal galvanized mounting plates
- ARI 780/790 standards
- Push to test button
- Brass/copper terminals
- Quick connect and screw terminals on coil
- Snap on auxiliary contacts available
- cURus approved



Item ID	Poles	FLA	Coil Voltage 50/60	Locked Rotor Amps			Resistive Amps.	Termination	Furnas #
				240V	480V	600V			
DP-4P20A24	4	20	24	120	100	80	30	Box Lug	-
DP-4P20A120	4	20	120	120	100	80	30		-
DP-4P25A120	4	25	120	150	125	100	35	Box Lug	-
DP-4P30A24	4	30	24	180	150	120	40	Screw Type	42BF25AJ
DP-4P30A120	4	30	120	180	150	120	40	Box Lug	42BF25AF
DP-4P30A240	4	30	208/240	180	150	120	40		42BF25AG
DP-4P40A24	4	40	24	240	200	160	50	Box Lug	42CF25AJ
DP-4P40A120	4	40	120	240	200	160	50		42CF25AF
DP-4P40A240	4	40	208/240	240	200	160	50		42CF25AG

Definite Purpose Magnetic Contactors - Economy



Auxiliary Switches

- Auxilliary switches for 3 & 4 pole 30 - 90 amp "DP" series contactors
- Compact size
- cURus approved



DP-AS4N



DP-AS6N



DP-AS7N



DP-AS9N



DP-AS11

Switch Size	Item ID	Cont. Amps	Voltage Rating	Description	Connection
3 Pole, 20-60 Amp 4 Pole 30-60 Amp	DP-AS4N	10	600	2 x SPST, N.O. & N.C.	Screw
	DP-AS5N	10	600	2 x SPST, N.O. & N.C.	Screw
	DP-AS6N	10	300	SPDT, N.O. & N.C.	Screw
	DP-AS7N	10	300	2 x SPDT, N.O. & N.C.	Quick
3 Pole, 75-90 Amp	DP-AS9N	10	300	SPDT, N.O. & N.C.	Quick
3 Pole, 20-60 Amp 4 Pole 30-60 Amp	DP-AS11	10	300	SPDT, N.O. & N.C.	Quick

General Purpose Fan Relays



25-90290
Illustrated

Contact Rating

- 125/250 VAC

FLA	LRA	Inductive Amps	Resistive Amps
8	18	8 Amp Continuous	16 Amp Continuous

Specifications

- Temperature Range: -20°C (-4°F) to 40°C (104°F).
- Mechanical Life: 1,000,000 operations.
- Electrical Life: 100,000 operations (@ 16amp 240VAC Res.)
- Operate Time (typical): 25 ms at nominal coil voltage.
- Release Time (typical): 25 ms at nominal coil voltage.
- Dielectric Strength (at sea level for 1 min.):
 - 2500 Vrms coil to contact.
 - 1000 Vrms between open contacts.
- Coil Frequency: 50/60 Hz.
- Coil Insulation: Class A (105°C / 221°F).
- Coil Duty Cycle: Continuous.
- Terminals: ¼" quick-connects.
- Contact Material: Silver cerium
- Enclosure: Phenolic.

Features

- Designed for switching single or two speed fan motor, relays, solenoids, resistive loads in cooling, heating or general purpose switching applications.
- Replace WR/ Essex/ RBM & Mars type 84 models
 - Totally enclosed compact design.
 - Quiet & reliable operations.
 - UL & cUR (file E44211)
 - Universal mounting bracket.

2-Pole HVAC Standard Duty Relays

Coil Voltage	Item ID SPST	Item ID SPDT	Coil Resistance DC OHMS ±10%	Nominal Current MA	Nominal VA Sealed	Inrush VA
24	25-90290	25-90293	90	146		
120	25-90291	25-90294	2,000	29	3.5	4
240	25-90292	PR295Q	7,200	15		

Totally Enclosed Fan Relays - Heavy Duty



25-90380
Illustrated

Specifications

- Temperature Range: -20°C (-4°F) to 40°C (104°F).
- Mechanical Life: 1,000,000 operations.
- Electrical Life: 100,000 operations (@ 25amp 277VAC Res.)
- Operate Time (typical): 25 ms at nominal coil voltage.
- Release Time (typical): 25 ms at nominal coil voltage.
- Dielectric Strength (at sea level for 1 min.):
 - 2500 Vrms coil to contact.
 - 1000 Vrms between open contacts.
- Coil Frequency: 50/60 Hz.
- Coil Insulation: Class A (105°C / 221°F).
- Coil Duty Cycle: Continuous.
- Terminals: ¼" quick-connects.
- Contact Material: Silver cadmium oxide.
- Enclosure: Phenolic.

Features

- Designed for cooling, heating or general purpose switching equipment operating heavier loads.
- Replace WR/ Essex/ RBM & Mars type 184 models
 - Totally enclosed compact design.
 - Quiet & reliable operations.
 - Universal mounting bracket
 - UL & cUR (file E44211)
 - SPST, SPDT & SPNO/SPNC models.

Heavy Duty Relays

Coil Voltage	SPST Item ID	SPDT Item ID	SPNO-SPNC* Item ID	Coil Resistance DC OHMS ±10%	Nominal Current MA	Nominal VA Sealed	Inrush VA
24	25-90360	25-90370	25-90380	77	167		
120	25-90362	25-90372	25-90382	2,000	33	4	4
240	-	25-90374	25-90384	7,200	17		

*Isolated Contacts

Contact Rating

VAC	Amps	FLA	LRA	Inductive Amps	Resistive Amps
125VAC		14	84	14 Amp Continuous	25 Amp
250VAC	25	8	48	8 Amp Continuous	Continuous @ 277 VAC
277VAC		7	42	7 Amp Continuous	

Totally Enclosed Relay - 2 Pole HVAC Switching Relays



25-90340
Illustrated

Specifications

- Temperature Range: -40°C (-40°F) to 54°C (130°F).
- Mechanical Life: 750,000 operations.
- Electrical Life: 100,000 operations.
- Coil Frequency: 50/60 Hz.
- Coil Insulation: Class B.
- Coil Duty Cycle: Continuous.
- Terminals: ¼" quick-connects.
- Contact Material: Silver cadmium oxide.
- Enclosure: Phenolic.
- Dimensions 2.13" x 1.88" x 2.25".

Features

- Intended for many applications in air conditioning, refrigeration, heating and general purpose switching.
- Cross Reference Honeywell, White-Rodgers/RBM & Mars (cross reference in packaging)
 - Semi-enclosed compact design.
 - Quiet & reliable operations.
 - Universal mounting bracket
 - Molded terminal numbers and circuit diagram on top of relay.
 - UL & cUR (file E44211).
 - 2 Pole DT mode

Heavy Duty Relays

Coil Voltage	DPDT Item ID	Terminals 1,2,3.	Terminals 4,5,6.	Resistance DC OHMS ±10%	Nominal Current MA	Nominal VA Sealed Max.	Inrush VA Max.	Cross Reference		
								WR/ RBM	Honeywell	Mars
24	25-90340			15	334			90-340	R4222B1082	90340
120	25-90341	Power	Power	400	66	8	21.5	90-341	R4222B1090	90341
240	25-90342			1415	38			90-342	R4222D1013	90342

Contact Rating

VAC	Amps General Use	HP	LRA	FLA
208V	45.6	7.6		
250V	41.4	6.9		
277V	-	36.0	6.0	

Heat Sequencers



Features

- Solid State PTC Heaters
- Quick-Connect Terminals
- Shock & Vibration Resistant
- Mounts in any position
- Contact Ratings - to 25 Amps at 120 or 240 Volts, and 12.5A at 480 Volts
- Full-Load Rated Auxilliary Contacts
- Standard Operating Ambience Between -50°F (-45.5°C) and 165°F (73.8°C)

Applications

- Electric Furnaces
- Baseboard Heaters
- Duct Heaters
- Suspension Heaters
- Recreational vehicle blower and element control
- Heat pump blower and heating element control
- Motor speed switching in air conditioning (high speed) / heating systems handle combination motor and heater element loading in the heater function
- Control circuits requiring definite sequence on both start up and shut down

Part #	Timings	Switches	Timings (seconds) - On					Timings (seconds) - Off				
			M1-M2	M3-M4	M5-M6	M7-M8	M9-M10	M1-M2	M3-M4	M5-M6	M7-M8	M9-M10
HS-24A34-21	1	1	1-20					1-60				
HS-24A34-22	1	1	15-45					1-30				
HS-24A34-23	1	1	25-60					15-45				
HS-24A34-24	1	1	30-90					1-40				
HS-24A34-25	1	1	30-90					1-30				
HS-24A34-26	2	2	1-20	30-90				40-90	1-30			
HS-24A34-27	3	1	1-160					1-160				
HS-24A34-29	1	1	15-35					25-55				
HS-24A34-36	2	2	1-20	30-90				45-110	1-30			
HS-24A34-37	3	1	1-110					1-110				

Notes

- M1-M2 and M3-M4 are always the first switches to turn on and the last to turn off. All other switches are random on and random off.
- ON TIME - Elapsed time to make contacts after heater is energized
- OFF TIME - Elapsed time to make contacts after heater is de-energized
- OFF timings determined after PTC heater has been electrified for a total of 5 minutes
- Standard Timings determined at 25°C. Timings at temperatures above or below 25° will vary

Heater Pole

24 Vac 0.18A (anticipator)
 0.75A Max Inrush
 0.16 to 0.20 amps Steady State
 Ambient Rating: - 50° to 160°F

VAC	Resistive (non-inductive)		Motor Ratings (inductive)		Pilot Duty
	Watts	Amps	Full Load	Locked Rotor	
120	3000	25.0	10.0A	60.0A	125VA
240	6000	25.0	5.0A	30.0A	125VA

Combined Load Ratings

(all models):
 30A @ 240 VAC - Total: 23 A non-inductive
 + 7 FLA/42 LRA Inductive
 Life at rated current: 100,000 cycles



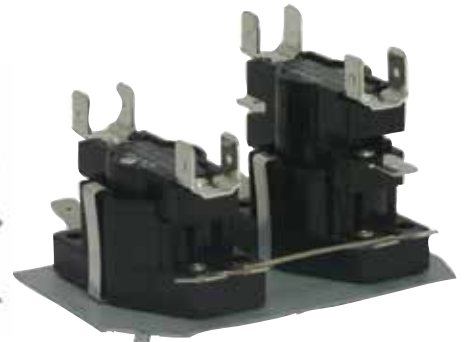
HS-24A34-21, 22, 23, 24, 25



HS-24A34-29



HS-24A34-26, 27, 36











HS-24A34-37

Flame Sensors











Packard Flame Sensors

- For use with Spark ignition, Flame sensing and Hot Surface Ignition (H.S.I.) systems
- High quality alumina ceramic insulator

- High temperature Kanthal® flame rod material that can withstand 1800° F
- Flame rod can be trimmed down to match the application
- cURus approved

Item ID	Description	Replacement	
PFS013	<ul style="list-style-type: none"> • Teflon insulated (250°C rating) lead wire. • Used on these Bryant & Carrier models: 355MAV, 345MAV, 340MAV, 350MAV, 373LAV, 58MXA, 58MVP, and 58MCA 	<ul style="list-style-type: none"> Carrier 340MAV Carrier 345MAV Carrier 350MAV Carrier 355MAV Carrier LH33WZ514 Carrier LH33WZ516 Carrier LH680013 	
PFS014	<ul style="list-style-type: none"> • Teflon insulated (250°C rating) lead wire. • 45 Degree. • For use with Carrier LH33ZS004 igniter. • Used on these Bryant & Carrier models: 330AAV, 330IAV, 338BAV, 333IAV, 398AAV, 58DHC, 58DXC, 58PAV, 58SSC, 58SXC, 58TUA and 58WAV 	<ul style="list-style-type: none"> 6-62442-18179-4 Carrier LH680012 Carrier LH33WZ511 Carrier LH680014 Carrier LH33WZ515 	
PFS401	<ul style="list-style-type: none"> • Teflon insulated (250°C rating) lead wire. • Single screw, plated steel mounting bracket. • Single rod. • 30 inch lead with a female connection. • Probe length 3 inch. 	31380679	
PFS010	<ul style="list-style-type: none"> • Single rod. • 1/4" male connection. • Overall length 3-3/4" • Probe length 2-1/2" • Single screw. • Plated steel mounting bracket. 	<ul style="list-style-type: none"> Goodman/Amana/Janitrol 20488501 B1172606 Goodman 0130F00010 	
FA-AIC71075	<ul style="list-style-type: none"> • Single rod. • Single screw. • Probe length 2" • 18 1/2" lead length. • Female connection. 	GSW 71075	
PFS027	<ul style="list-style-type: none"> • Termination 1/4" male quick connect. • Single screw. • Plated steel mounting bracket. 	<ul style="list-style-type: none"> ICP/Heil Quaker 1172827 90 Degree. Single screw, plated steel mounting bracket. Termination 1/4" male quick connect. 	
PFS802	<ul style="list-style-type: none"> • Single screw, plated steel mounting bracket. • Single rod. • 1/4 inch male connection. • Probe length 3 inch. 	<ul style="list-style-type: none"> ICP 1380687 York 025-27773-700 	
PFS029	<ul style="list-style-type: none"> • Single screw, plated steel mounting bracket. • Termination 1/4" male quick connect. 	Lennox 52W29	

Flame Sensors

Item ID	Description	Replacement	
PFS043	<ul style="list-style-type: none"> • 90 Degree. • Single screw, plated steel mounting bracket. • Termination 1/4" male quick connect. 	Lennox 69W43	
PFS087	<ul style="list-style-type: none"> • Single screw, plate steel mounting bracket. • Termination 1/4" male quick connect. 	Lennox 98M87	
PFS214	<ul style="list-style-type: none"> • 90 Degree. • Termination 1/4" male quick connect. 	Lennox 51M14	
PFS097	<ul style="list-style-type: none"> • 90 Degree • Single screw, plated steel mounting bracket. • Termination 1/4" male quick connect. 	Lennox/Ducane 28M97	
PFS081	<ul style="list-style-type: none"> • 90 Degree. • Length of mounting flange to sensor tip 2-1/4" • Termination 1/4" male quick connect • Length of sensor offset 3-1/4" • Bracket included 	Lennox 40L81	
PFS301	<ul style="list-style-type: none"> • 90 Degree. • Length - mounting flange to sensor tip: 2 1/2" • Length - sensor offset: 1 9/16" • Angle - sensor offset: 90 degree. • Termination: 1/4" male quick connect. 	Rheem 62-23543-C	
PFS114	<ul style="list-style-type: none"> • 75 Degree. • Single screw, plated steel mounting bracket. • Termination 1/4" male quick connect. 	Trane SEN01114	
FA-AICPSEHW1	<ul style="list-style-type: none"> • Single rod. • Single screw. • 3" probe length. • 30" lead length. • Female connection. 	White Rodgers 760-401	
PFS053	<ul style="list-style-type: none"> • Single screw plated steel mounting bracket. • Single rod • 1/4" male connection 	York S1-SCP-9007053	
PFS700	<ul style="list-style-type: none"> • Single screw, plated steel mounting bracket. • Single rod. • Probe length 4 inch. • Can be mounted remotely on multiple burners or adjacent to igniter on other applications. • For use with spark ignition and flame sensing. • High quality alumina ceramic insulator. • High temperature kanthal flame rod material that can withstand 1800 °F 	Coleman 025-30788-700 York 025-25434-700 York 025-30788-700	

Universal And Specialty Silicon Nitride Hot Surfer Igniter Kits

Features

- Silicon Nitride has high fracture toughness and chemical resistance abilities and can be handled with the greasiest of hands
- For furnaces, boilers, pool and water heaters

Item ID	Description	Replacement		
IG80V	<ul style="list-style-type: none"> • 80 Volt/120 watts • Universal Round Nitride Igniter Kit 	Amana 11111701	Trane IGN00033	
		HS100117A	Trane IGN00117	
		Trane B340970P01	Trane IGN059	
		Trane IGN00104	CARIGN00117	
		Trane IGN033	Thermo Products 768A-143	
		CAR768A845	Trane IGN00059	
		Lennox 41K5601	Trane IGN014	
IG1000N	<ul style="list-style-type: none"> • 120 Volt • Universal round glo-stix 	Honeywell Q3200U1000S	Honeywell Q3200U1000S	Norton 201
		Norton 201D	Norton 201J	Norton 201K
		Norton 201L	Norton 201M	Norton 201N
		Norton 201R	Norton 201W	Norton 201Y
		Norton 271	Norton 271D	Norton 271N
		Norton 271N	Norton 271NM	Norton 271P
		Norton 271Q	Norton 271Y	
IG1100N	<ul style="list-style-type: none"> • Universal Round Nitride Igniter Kit • Durable Silicon Nitride Element 	IGN-2-6P		
IG4000N	<ul style="list-style-type: none"> • Universal Replacement for numerous OEM Models • Durable Silicon Nitride Element 	IGN-1R		











Round Silicon Nitride Igniters

Features





- Round
- Made of durable Silicone Nitride
- OEM direct replacements

Item ID	Description	Replacement	
IG1401N	<ul style="list-style-type: none"> • Gasket included • 5.5" Leads with connector • 120 Volt 	Amana 10041601	
		Starlite 11120-100-1401	
		Amanda D99182	
		Trianco-Heatermaker 2600-359	
		Amana B1336102	
IG0004N	<ul style="list-style-type: none"> • 120 Volt 	Carrier	
IG1409N	<ul style="list-style-type: none"> • 5.5" Leads with connector • 120 Volt 	Carrier LH33ZS001	Trane IGN26
		Carrier LH33ZS004	Carrier LH33ZS003
		Synder General 1380680	Synder General 1380672
		Carrier LH33ZS002	Weil McLain 511-330-139
		Duncane 20015201	
IG1402N	<ul style="list-style-type: none"> • 19" Leads with wire nuts • 120 Volt 	Amana 10755002	Trane 340039P01, IGN23
		DMO 20834/26789	Clare C-238/C-242
		Rheem 62-22441-01	Goodman B11726-06
		Armstrong 38322B001	Williamson 09050
		Dornback 271W	

Round Silicon Nitride Igniters

Item ID	Description	Replacement		
IG1412N	<ul style="list-style-type: none"> • 5.5" Leads with connector • 120 Volt 	Goodman B1401009 Norton 271NM Heil Quaker 1009604 ICP 1009604		
IG1414N	<ul style="list-style-type: none"> • 5.5" Leads with connector • Includes brackets and wire nuts • 120 Volts 	767A-384 Norton MB457025 Norton 271NM Goodman B14010-15S		
IG9500	<ul style="list-style-type: none"> • 24 Volts 	Honeywell Q3450		
IG0001	<ul style="list-style-type: none"> • Includes mini igniter, flat mounting plate, screw, instruction sheet and adapter harness; • Manufactured using silicon nitride • 120 Volt 	Goodman 023K00000S Goodman B1401015S Goodman B1401018S		
IG1121N	<ul style="list-style-type: none"> • 5.5" Leads with connector • Mounting bracket included • 120 Volt 	Goodman B1401015 Modine 5H075032B		
IG1114N	<ul style="list-style-type: none"> • UniFlat Hot Surf. Igniter Kit 	Nordyne		
IG1408N	<ul style="list-style-type: none"> • 5.5" Leads with connector • 120 Volt 	Amana 340039P01 Rheem 62-2242-01 Lennox 98P78 Rheem 62-2268-92 Rheem 62-22868-93	Trane IGN-0034 Trane B340039P01 Starlite 11120-100-1408 Whirlpool 99794328	
IG1411N	<ul style="list-style-type: none"> • Includes bracket & connector • 120 Volt 	Norton 271N Rheem 62-22868-82		
IG00145N	<ul style="list-style-type: none"> • 80 Volt • Round, Silicon Nitride design 	Trane IGN00104		
IG00152N	<ul style="list-style-type: none"> • 120 Volt • Round, Silicon Nitride design 	Trane IGN00146		




Round Silicon Nitride Igniters

Item ID	Description	Replacement	
IG1403N	<ul style="list-style-type: none"> • 5.5" Leads with wire nuts • 120 Volt 	Amana B138196P01 Trane B138196P01 Weil McLain 511-330-193 Raypak 600915 Trane IGN26 Synder General 1380654 Trane IGN30	
IG1410N	<ul style="list-style-type: none"> • 5.5" Leads with connector • 120 Volt 	Amana B144676P01 Trane B144676P01	
IG3033N	<ul style="list-style-type: none"> • Durable Silicon Nitride Element • Replacement for numerous Trane Models 	Trane	
IG1405N	<ul style="list-style-type: none"> • 5.5" Leads with wire nuts • 120 Volt 	Heil Quaker 1001344 York 025-29043-000 York 025-27766-00 York 025-27774-000	

Silicon Carbide Igniters

Features









- Silicon Carbide Igniters
- OEM Cross References

Item ID	Description	Replacement		
IG1100	<ul style="list-style-type: none"> • Includes brackets, screw and wire nuts • 120 Volt • Universal round carbide igniter 	Robertshaw/Uniline 41-238 41-242 41-402 41-403 41-404 41-405 41-407 41-408 41-409 41-408 41-1090 41-410 41-414	White-Rodgers 767A-301 767A-372 767A-371 767A-310 767A-303 767A-350 767A-311 767A-354 767A-353 767A-361 767A-357 7671-365 767A-364 767A-370 767A-366	
IG4000	<ul style="list-style-type: none"> • Includes brackets, screw and wire nuts • 120 Volt • Direct Replacement for hundreds of OEM Igniters 	Robertshaw/Uniline 41-238 41-1090 41-402 41-403 41-404 41-405 41-407 41-408 41-409 41-410 41-412 41-414	White Rodgers 767A-301 767A-370 767A-364 767A-310 767A-372 767A-366 767A-350 767A-303 767A-371 767A-354 767A-311 767A-361 767A-353 767A-365 767A-357	
FA-SN402	<ul style="list-style-type: none"> • Universal Flat Mini Silicone 			











Silicon Carbide Igniters

Item ID	Description	Replacement		
IG1401	<ul style="list-style-type: none"> Gasket included 5.5" Leads with connector 120 Volt 	Amana 10041601 Starlite 11120-100-1401 Amanda B1336102 Trianco-Heatermaker 2600- 359 Amanda D99182		
IG1409	<ul style="list-style-type: none"> 5.5" Leads with connector 120 Volt 	Carrier LH33ZS001 Carrier LH33ZS004 Snyder General 1380680 Carrier LH33ZS002 Ducane 20015201 Trane IGN26	Carrier LH33ZS003 Snyder General 1380672 Weil McLain 511-330-139	
FA-FC051	<ul style="list-style-type: none"> Round Igniter Replaces Clare C238-1 			
IG1121	<ul style="list-style-type: none"> 5.5" Leads with connector Mouting bracket included 120 Volt 	Goodman B1401015 Modine 5H075032B		
IG1412	<ul style="list-style-type: none"> 5.5" Leads with connector 120 Volt 	Goodman B1401009 Norton 271NM Heil Quaker 1009604 ICP 1009604		
IG1414	<ul style="list-style-type: none"> 5.5" Leads with connector Includes brackets and wire nuts 120 Volt 	767A-384 Norton MB457025 Goodman B14010-15S Norton 271NM		
FA-0230K00001	<ul style="list-style-type: none"> Includes conversion late and adapter plug 	Goodman 0120K00001		
FA-DS015	<ul style="list-style-type: none"> 25" leads with sleeving, complete with harness, shield attached 	GSW 63994		

Silicon Carbide Igniters

Item ID	Description	Replacement	
IG-1106	<ul style="list-style-type: none"> Hot Surface Igniters Attached shield 20" leads with sleeving and connector 	GSW/John Woods/Giant Water Heater - 86483, 71082, 5260001425 Norton - 271R	
IG2300	<ul style="list-style-type: none"> 24" Leads with 1/4" quick connects Gasket included 120 Volt 	Laars RW2002300	
IG0286	<ul style="list-style-type: none"> 5.5" Leads with connector Gasket included 120 Volt 	Laars 2400-286	
IG1114	<ul style="list-style-type: none"> An exact replacement kit for Nordyne series G6 (and earlier models G3, G4, G5) and M2 furnaces The kit includes complete installation instructions along with an adapter bracket and screws for G3RC, G4 (all), G5 (all), G3RA, G6 (all) and M2 (all) Nordyne furnaces 120 Volts 	Nordyne 632354 Nordyne 903758 Nordyne 632363 Nordyne 903597	
IG1404	<ul style="list-style-type: none"> 5" Leads with connector 120 Volt 	Norton 271M Weil McLain MB478265 Rheem 1096048 White Rodgers 767A382 Robertshaw 41-404	
IG1411	<ul style="list-style-type: none"> Includes brackets & connector 120 Volt 	Norton 271N Rheem 62-22868-82	
FA-DS014	<ul style="list-style-type: none"> 15" leads, complete with harness, shield attached 	Rheem AP12553	
IG1403	<ul style="list-style-type: none"> 5.5" Leads us with wire nuts 120 Volt 	Amana B138196P01 Trane B138196P01 Weil McLain 511-330-193 Raypak 600915 Trane IGN26 Snyder General 1380654 Trane IGN30	

Silicon Carbide Igniters

Item ID	Description	Replacement	
IG1407	<ul style="list-style-type: none"> • 5.5" Leads with connector • 120 Volt 	Trane B144676P02	
IG1408	<ul style="list-style-type: none"> • 5.5" Leads with connector • 120 Volt 	Amana 340039P01 Rheem 62-2268-93 Trane B340039P01 Lennox 98P78 Rheem 62-22868-92 Trane IGN-0034 Rheem 62-2241-01 Starlite 11120-100-1408 Whirlpool 99794328	
IG1410	<ul style="list-style-type: none"> • 5.5" Leads with connector • 120 Volt 	Amana B144676P01 Trane B144676P01	
IG3033	<ul style="list-style-type: none"> • Used on many Trane package models beginning with YCD15, YCD17 and YCD18 • Includes igniter, gasket, clip, mounting screws and installation instructions • 120 Volt 	Trane KIT03033	
IG0148	<ul style="list-style-type: none"> • For Weil McLain AHE, GV, and HE II Boilers • 5.5" leads with connector • 120 Volts 	Weil McLain 511330148	
IG0184	<ul style="list-style-type: none"> • For Weil McLain HE and VHE Boilers • 5" Leads with connector • 120 Volts • Wire nuts and bracket included 	Weil McLain 511330184 Norton 201N	
IG1406	<ul style="list-style-type: none"> • 11" leads with wire connectors 	Weil McLain	
FA-FC046	<ul style="list-style-type: none"> • 5.5" leads with connector, 2 wire nuts 	York 025-32626-000	
FA-DS016	<ul style="list-style-type: none"> • 5.5" leads, complete with harness 	York 025-32625-000	
IG1405	<ul style="list-style-type: none"> • 5.5" Leads with wire nuts • 120 Volt 	Heil Quaker 1148145 York 025-29043-000 Heil Quaker 1001344 York 025-27774-000 York 025-27766-00	

Thermostats



Plenum Thermostats

- Opens when furnace plenum area temperature is too high
- Shuts furnace down until the temperature returns to normal



Item ID	Close Temp. °F	Open Temp. °F	Thermodisc	Cross Reference					
				Carrier	Bryant	Goodman	Rheem	Trane	York
PHL501	130	170	L170-40 SPST	P331-2203	HH12ZA174A HH127A176A		47-21711-06		025-29041-007
PHL502	150	180	L180-30 SPST		HH12ZA178A	B1370001			
PHL503	150	190	L190-40 SPST	P331-2205	HH12ZA189 HH12ZB190		47-21711-03		025-29041-012
PHL504	200	240	L240-40 SPST	P331-2217	HH12ZA240 HH12ZA252A				
PHL505	100	140	L140-40 SPST		HH12ZB140				
PHL506	130	170	L170-40 SPST		HH12ZB170			SWT1258	
PHL507	110	140	L140-30 SPST		HH12ZA140				025-29041-005
PHL508	170	190	L150-20 SPST	P331-2005	HH12ZB190 HH12ZA193 HH12ZA189	B1370913		SWT1260	
PHL509	210	240	L240-30 SPST	P331-2217	HH12ZB240 HH12ZA252 HH12ZA240	B1370903			
PHL510	210	150	L150-20 SPST		HH12ZB150				
PHL511	140	160	L160-20 SPST		HH12ZB160				025-29041-004
PHL512	150	170	L170-20 SPST		HH12ZB170				
PHL513	130	170	L170-40 SPST						
PHL514	104	180	L180-40 SPST		HH12ZB180				025-29031-711
PHL515	160	200	L200-40 SPST		HH12ZB200 HH12ZA199 HH12ZA201				025-29041-006
PHL516	170	210	L210-40 SPST		HH12ZB210			SWT1263	
PHL517	180	220	L220-50 SPST	48NHT042	HH12ZB220 HH12ZA219 HH12ZA223			SWT1273	
PHL518	210	250	L250-40 SPST	P331-2208	HH12ZB250 HH12ZA251	B1370012S		SWT1261 SWT1272	
PHL519	125	155	L155-30 SPST			B1370006			

Thermostat Guards

Plastic Thermostat Guards

Use to prevent tampering with thermostats. The covers are clear, allowing complete viewing of the thermostat and current settings. Furnished complete with ring and/or solid base. Includes vent holes for easy airflow across the thermostat. Lockable with universal key. Internal dimensional clearance/sizing for thermostats as noted.)

Item ID	Description	T-Stat Clearance	Cross Reference
585-TG	Clear Plastic w/Two Bases	8-1/4" x 4-1/2" x 3-1/4"	Beko BTG-UK2 Bramec 13012 Mars 70220
585-TG1	Clear Plastic w/Two Bases	5-3/4" x 3-1/2" x 2-3/4"	Beko BTG-RK Bramec 13016 Mars 70210
585-TG2	Clear Plastic w/Two Bases	4-3/4" x 4-1/4" x 2-3/4"	Beko BTG-K Bramec 13008 Mars 70205
585-TG5	Clear Plastic w/Solid Base	3-1/2" x 3-1/4" x 2-1/4"	Beko BTG-EK Bramec 13004 Mars 70201
585-TG6	Clear Plastic w/Two Bases	6-1/4" x 3-3/4" x 1-3/4"	Beko BTG-DK Bramec 13018 Mars 70217
585-F336	Key for Thermostat Guard		



585-TG1
Illustrated

Steel Thermostat Guards

Steel thermostat guards are used to prevent tampering with thermostats. The covers are steel, giving complete tamper protection of the thermostat, and physical impact protection. Great for warehouse and industrial locations. Furnished complete with ring and/or solid base as noted. Includes vent holes for easy airflow across the thermostat. Lockable with universal key. Internal dimensional clearance/sizing for thermostats as noted.

Item ID	Description	T-Stat Clearance	Cross Reference
585-TG3	Beige Steel w/Solid Base	6" x 4" x 3"	
585-TG4	Beige Steel w/Ring Base	6" x 4" x 3"	
585-TG7	Beige Steel w/Solid Base	5-1/2" x 3-1/2" x 2-3/4"	
585-TG8	Beige Steel w/Ring Base	5" x 3" x 2-3/4"	Beko BTG-54VLW Bramec 13001 Mars 70216
585-TG9	Beige Steel w/Two Bases	6" x 4" x 3"	



585-TG4
Illustrated

Metal Thermostat Guards

- Durable metal guards
- Horizontal and vertical mounting
- Heavy duty lock and key
- Comes with complete mounting hardware
- Colour - off white cover with off white base



Item ID	Base	Inside Dimensions	Cross Reference
77-MG3	Ring	5.31" x 4.31" x 3.00"	BTG-KWM, KMRT
	Solid	5.62" x 5.12" x 2.87"	BTG-KM, KMST
77-MG12S	Solid	6.37" x 4.25" x 3.00"	BTG-54VL, F29-0255



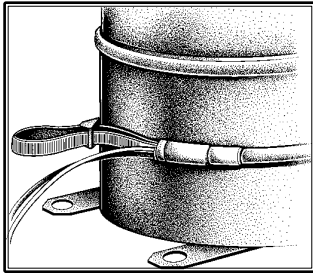
Crankcase Heaters



Crankcase Compressor Heaters

- When a refrigeration compressor shuts down or enters a long-off cycle, liquid refrigerant migrates into its crankcase oil. Lubrication decreases and crankcase burnout can occur when operation resumes.
- Energy efficient, self-regulating design automatically varies output to maintain adequate oil temperature while permitting wrapping and crossover without burnout.
- Handles compressors up to 5 Hp, 120 or 240 volt applications.
- Fits all crankcases with circumferences smaller than 49".

"Compressor Burnout Protection!"



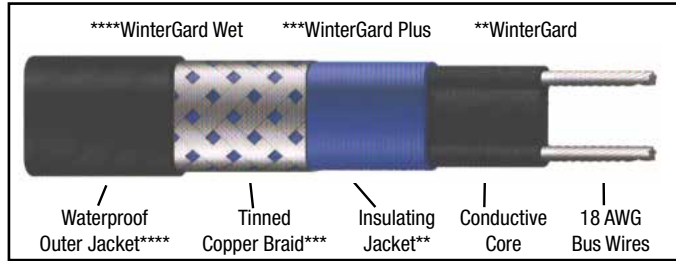
Item ID	Volts	Output @ -18°C (0°F)	Output @ 16°C (60°F)	Weight
75-HCCH1	120	60W	35W	0.5 lbs
75-HCCH2	240			0.5lbs

Heat Cable

Self Regulating Heat Cable

"Self Regulating" Heating Tape

- Easy installation
- Won't burn out
- Won't overheat
- OK to overlap
- OK to insulate
- OK for plastic
- No thermostat required
- Cut to desired length
- Higher efficiency
- UL & CSA approved



WinterGard Heating Cable

- Economical solution for residential/ commercial pipes up to 2" diameter and circuit length up to 250'.
- Dry applications only.
- Tough - steel braided.



WinterGard Plus Heating Cable

- Designed for more demanding residential/ commercial with larger plastic or metal pipes with diameters up to 8" and circuit lengths up to 250'.
- Dry applications only.
- Tough - steel braided.

Applications

- Ideal freeze protection for pipes in unheated attics, basements and garages.
- Use it for intake and drain lines, water meters, outside pipes and taps.

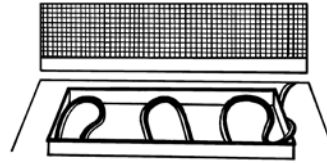


WinterGard Wet Heating Cable

- The answer for freeze protection in wet or high moisture residential/ commercial locations such as drain lines with larger plastic or metal pipes. Suitable for pipe diameters up to 8" and circuit lengths up to 1000'.
- Wet or dry applications.
- Tough - steel braided & waterproof outer jacket.

Applications

- Ideal for residential & commercial buildings.
- Use it to freeze protect water service & fire protection systems.
- Roof & gutter de-icing.



Keep Wet Areas From Freezing
With WinterGard Wet for tracing air conditioner drain pans to prevent freezing or gut tracing freezer drain lines to prevent backup problems.

Protect Pipes
With WinterGard or WinterGard Plus for freeze protection of short & small diameter piping. Pre-cut lengths or custom cut lengths.

120V

- Blue Cable - Steel Braid

Item ID	Watts/ft	Power	Length	Weight
75-H611050	6	120V	50' Box	3.0 lbs.
75-H611100*	6	120V	100' Truck Pack	9.0 lbs.
75-H611250	6	120V	250' Reel	17.0 lbs.

* 100' Truck Packs include (2) 75-H900, (1) 75-H903 & (1) 75-H910.



240V

- Red Cable - Steel Braid

Item ID	Watts/ft	Power	Length	Weight
75-H621050	6	240V	50' Box	3.0 lbs.
75-H621100*	6	240V	100' Truck Pack	9.0 lbs.
75-H621250	6	240V	250' Reel	17.0 lbs.

* 100' Truck Packs include (2) 75-H900, (1) 75-H903 & (1) 75-H910.



120V

- Blue Cable - Steel Braid - Black Jacket

Item ID	Watts/ft	Power	Length	Weight
75-H622050	6	240V	50' Box	4.0 lbs.
75-H622100*	6	240V	100' Truck Pack	10.0 lbs.
75-H622250	6	240V	250' Reel	20.0 lbs.
75-H622500	6	240V	500' Reel	43.0 lbs.
75-H6221000	6	240V	1000' Reel	77.0 lbs.



240V

- Red Cable - Steel Braid - Black Jacket

Item ID	Watts/ft	Power	Length	Weight
75-H622050	6	240V	50' Box	4.0 lbs.
75-H622100*	6	240V	100' Truck Pack	10.0 lbs.
75-H622250	6	240V	250' Reel	20.0 lbs.
75-H622500	6	240V	500' Reel	43.0 lbs.
75-H6221000	6	240V	1000' Reel	77.0 lbs.

* 100' Truck Packs include (2) 75-H900, (1) 75-H903 & (1) 75-H910.



Heat Cable


Self Regulating Heat Cable

Standard Packaging

- Winter Guard.
- Winter Guard Plus.
- Winter Guard Wet.



75-H611050
50' Box Illustrated



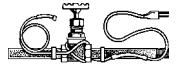
75-H611100
100' Truck Pack Illustrated



75-H611250
250' Reel Illustrated

Gardian Pre-assembled Heating Cable Kits

- Perfect for residential or commercial small applications with short pipe runs up to 100', 2" diameter.
- Rugged copper braid provides abrasion and damage protection.
- 120V (30" power cord & plug) 240V (hardwired).



120V

Item ID	Watts/ft	Power	Length	Weight
75-W51-6P	5	120V	6' Kit	1.0 lbs.
75-W51-12P	5	120V	12' Kit	1.3 lbs.
75-W51-18P	5	120V	18' Kit	1.6 lbs.
75-W51-24P	5	120V	24' Kit	2.0 lbs.
75-W51-75P	5	120V	75' Kit	5.4 lbs.
75-W51-100P	5	120V	100' Kit	6.9 lbs.

240V

Item ID	Watts/ft	Power	Length	Weight
75-W52-6L	5	240V	6' Kit	1.0 lbs.
75-W52-12L	5	240V	12' Kit	1.3 lbs.

Accessories - Self Regulating Heat Cable



Item ID	Description	Weight
75-H900	Power connection kit.	0.5 lbs.
75-H903	Fibreglass application tape & "Electric traced" labels.	0.3 lbs.
75-H908	Plug-in Power connection kit.	1.0 lbs.
75-H910	Splice & tee kit.	0.3 lbs.
75-FGK-P-RS	Original termination kit.	0.3 lbs.
75-H912	Gel-filled end seal kit (2 ea.)	0.3 lbs.
75-H913	Roof clips (10 ea.)	1.0 lbs.
75-H915	Downspout hanger bracket.	0.5 lbs.
75-AMC-F5	Fixed point thermostat 5°C (40°F).	1.5 lbs.
75-TC-3	2 receptacle thermo cube thermostatically controlled outlet (120V, 15 amp). - ON @ 2°C (35°F), OFF @ 7°C (45°F).	1.0 lbs.

In-Line Air Duct Booster Fans

Air Duct Booster

Designed to be installed at any angle in the branch duct of under-ventilated rooms to increase either hot or cool air flow supply. One year limited warranty.



Control Options

Manual Control

- 115V Source - continuous operation
- 115V Switch - manual ON/ OFF ctrl

Automatic Control

- Wire to furnace fan
- Wire to fan switch
- Wire to a sail switch
- Wire to a pressure switch
- Wire to thermostat

Standard Air Duct Boosters - Corded



Item ID	Description	Max Boosted CFM	Free Air CFM	Watts	Amps	dBA	Blade	Housing Length
T9-DB204C	4" Round	80	40	30	0.30	52	Polycarbonate	6"
T9-DB205C	5" Round	225	140	30	0.35	51	Polycarbonate	6"
T9-DB200C	6" Round	250	160	30	0.35	50	Polycarbonate	-
T9-DB206C	6" Round	250	160	30	0.35	50	Polycarbonate	6"
T9-DB208C	8" Round	500	210	60	0.75	54	Polycarbonate	8"
T9-DB210C	10" Round	650	300	120	1.50	55	Aluminium	8"



T9-DB205C Illustrated

Two Speed Air Duct Boosters



Item ID	Description	Max Boosted CFM	Free Air CFM	Watts	Amps	dBA	Blade
T9-DB10-2	10" Round 2 Speed	650/900	300/460	135	1.70	56/59	Aluminium



T9-DB10-2 Illustrated

Specialty Products

Universal Air Switch

The NS2 Switch has a glass-filled polycarbonate housing containing a sensing diaphragm and an integral snap-acting switch with three male 90° quick-connect terminals. The switch can be actuated by a pressure or vacuum air flow or the differential between two air flows. The field adjustable set point range of this switch is 0.10"w.c. to 10.0"w.c. Using the switch accessories contained in this kit, the NS2 switch can be applied to a wide variety of residential and light commercial HVAC applications.



Specifications

- Operating Range - .10"w.c. to 10"w.c.
- Max Pressure Rating - 14"w.c.
- Mounting - vertical or custom angle
- Operating Temp. - -40°C to 88°C
- Sample Line Connections - Black positive, Gray negative
- Sample Medium - Air and by-products of combustion that will not degrade silicone or polycarbonate
- Product Life - 100,000 Cycles

Kit Includes:

- (1) FIELD ADJUSTABLE NS2-0000-00 SWITCH
- (1) BLACK SET POINT ADJUSTMENT SCREW
- (1) HEXAGON KEY WRENCH
- (5) COLOUR-CODED SPRINGS
- (4) COLOUR-CODED ORIFICES
- (1) HALF STRAP MOUNTING BRACKET
- (1) ANGLE BRACKET
- (1) MOUNTING SCREW FOR OPTIONAL BRACKETS
- (2) #6-3/8 MOUNTING SCREW FOR OPTIONAL BRACKETS

Item ID	Description
AS-NS2-0000-03	Air Switch

Universal Humidifier Solenoid

Introducing the first universal solenoid replacement. This one unit will replace over 32 different direct OEM solenoids in the field. Just wrench in the appropriate fittings on the inlet and outlet, and even change water flow from left to right for right to left. Cross Reference many Aprilaire, General, Honeywell, Skuttle, and many other models for a fraction of the cost.



Kit Includes:

- SOLENOID
- 1/4" COMPRESSION × 18" MPT WITH FILTER SCREEN
- 3/16" BARB × 1/8" MPT
- 1/8" MPT × 1/4" COMPRESSION
- 1/8" MPT × 5/16" COMPRESSION
- 1/4" INSERT (FOR PLASTIC TUBE)
- 1/4" DELRIN SLEEVE (FOR PLASTIC TUBE)

Cross Reference

Aprilaire - #4040
 General - #990-53
 Honeywell - #32001639-002
 Skuttle - #A01-0814-148

Item ID	Description
71-UHS24	Universal Humidifier Solenoid

Li'L Popper

Li'L Popper control circuit breaker saves the technician dozens of blown fuses while he diagnoses control circuit failures. Simply plug the leads in to the ATC fuse receptacle on the board, and manually reset the Li'L Popper each time the breaker blows. Has a quick setting thermal cut out. Self adhering backing allows the contractor to leave the unit on the job site overnight if he is out of fuses. Free counter display by request. Alligator clip versions are available.

Item ID	Description
12-POP3	3 Amp control board circuit breaker
12-POP5	5 Amp control board circuit breaker



In-Line Air Duct Booster Fans

Features

- High Volume & Pressure
- Installs In Any Position
- Ball Bearings Are Permanently Sealed & Lubricated
- Backwards Inclined Blades
- Vibration Absorbing Material
- Class B TP Auto Reset
- UB Protected / Flame Retardant - Thermal Plastic Resin
- 140°F(60°C) Maximum Air Stream Temperature

Applications

- Ventilation
- Exhaust
- In-Line Boosting
- Radon Mitigation
- Dryer Vent Boosting

**5 YEAR
LIMITED
Warranty**

Serious Air Power With Quiet Operation



Accessories

- Speed Control
- Power Cord
- Auto Switch
- Duct Mufflers

Item ID	Amps	Watts	Duct Dia.	Volts	Hz	CFM
T9-TF106	1.00	70	6"	115	60	409

Duct Muffler

The DuctMuffler™ reduces noise traveling through ductwork. Sound reduction for composite noise averages 9dBA to 20dBA.

Item ID	Diameter	Length
T9-DM106	6"	24"
T9-DM112	12"	36"



**IN-LINE NOISE MUFFLER™
DUCTMUFFLER™**

Building Code Compliant, Meets NFPA standards 90A And 90 B. UL® Listed Acoustic Liner, Class 1 Air Duct

Air Duct Booster

Features electrical junction box for UL and code compliant electrical connection. An efficient way to increase air circulation, keep room temperatures consistent, and lower heating and cooling costs. Metal construction, powerful no-maintenance motors and a one-use thermal fuse mean these fans will be up to the task for years. Straightforward installation into any 120V system with detailed instructions, templates, and diagrams. Available in many sizes. A great way to give slow vents a boost. Conforms to UL STD 507, Certified to CSA STD C22.2 #113

Item ID	Diameter	CFM	Watts
625-AF6	6"	240	37
625-AF8	8"	420	37
625-AF10	10"	650	35
625-AF12	12"	975	65
625-AF14	14"	1350	65



626-AF8
Illustrated

Skeleton Motors



Skeleton Motors & Fan kits

- Mechanically Reversible
- Shaded Pole
- Sleeve Bearing
- 60 Hertz



T1-R617



T1-R3670



T1-R670



T1-R635



T1-R684



T1-R3670 Kit Components



T1-R670 Kit Components

Applications

- Electric Htrs.
- Range Hoods
- Exhaust Fans
- Ventilators
- Vending Machines

Item ID	Amps	Volts	RPM	HP	Stack	Rotation	Shaft	Features	Cross References
T1-R617	0.23	208/230	3300	1/285	0.40	CCWOSE	1.1"×.1811"	C-ring groove, Cord & spade terminal	CHROM. 04-290-004,12657004, 12657005,ELECTROHOME SM607
T1-R3670	.40/.25	120/240	3300	1/150	0.63	CCWOSE	1.5"×3/16"	KIT-Cord & plug c/w two fan blades & mounting kit	600, 602, 700, 702, 710, EM670, EM672, 14001, 14005
T1-R670	0.53	115	3300	1/140	0.65	CCWOSE	1.3"×3/16"	KIT-Cord & plug c/w two fan blades & mounting kit	65670,14001,600,700,710, EM-670,SM-670
T1-R684	1.20	120	3300	1/70	0.80	CCWOSE	2.1"×7/32"	Cord & plug	NUVENT 2000A, D90CB 2584SP WR. WHISPER FAN

3.3" Heating Motors



• Sleeve bearing unless indicated otherwise

Item ID	HP	Volts	Amps	Spd/ RPM	Rot.	Type	Body	Shaft	Features	Cross Reference
06-R401	1/165	115	0.35	1/1600	CCWOSE	SP/ TE	2.09"	1/4"×1.5"	Conduit Sleeve, Bare Wire Leads	Enterprise Fdry., SM401, 76401
06-R215	1/115	240	0.22	1/1200	CCWOSE	SP/ TE	2.25"	5/16"×2.25"	Triangular Brk.Front	Electric Unit Htrs. Chromalox 01513005, Thermolec.
R2-R410	1/100	120	0.35	1/1550	CWLE	SP/ Open	2.79"	5/16"×2.0"	L.K.Fitting-Int.Fan Bare Wire Leads	Enterprise Fdry. 379135, SM410, 76410
06-R210	1/50	230	0.40	1/1550	CCWLE	SP/ TE	2.19"	1/4"×1.5"	Bare Wire Leads	Caloritech, SM210,217, 76210, SS210, CGE, 12519-002
06-R217	1/35	240	0.50	1/1450	CWOSE	SP/ TE	2.50"	1/4"×1.20"	Studs Front & Rear	Chromalox 02188001,2, 76217, FPE L82116A4,5
06-R212	1/30	115	0.55	1/1550	CCWLE	SP/ TE	2.60"	5/16"×3.5"	Ball Bearing, Triangular Brk.	Chromalox 01513002,3,10,11,16, SM212, 76212 SS212, 7173-0951
06-R213	1/25	115	1.40	1/1550	CCWOSE	SP/ TE	2.95"	5/16"×1.8"	Triangular Brkt./ Box	Trane, Lincoln, Chromalox, SM213, SM302, 76213, SS213
R2-R303	1/25	115	1.40	1/1550	CCWLE	SP/ Open	3.84"	5/16"×3.3"	Ball Bearing, Triangular Brkt/ Int.Fan, Bare Wire Leads	Trane Unit Htr. 75270010, SM303, 76303, SS303
R3-R316	1/20	115	1.36	1/1550	CCWOSE	SP/ Open	2.77"	5/16"×1.37"	Ball Bearing, 30" Wire Leads 7" Grnd., Stud Mounting	Air 2000 HRV

3.3" Heating Motors



• Sleeve bearing unless indicated otherwise

Item ID	HP	Volts	Amps	Spd/ RPM	Rot.	Type	Body	Shaft	Features	Cross Reference
R2-R462	1/17	120	1.2/1.0	3/1660	CWLE	PSC/ Open	4.00"	3.5"×3/8"×3.5"	2 Side Studs	Venmar HRV 02101
R3-R373	1/15	115	0.90	1/1400	CCWOSE	PSC/ TE	4.40"	3/8"×3.3"	Plug 4/250 Cap Inc.	Dayton Greenhouse Fan, 7190-1004
R3-R348	1/15	115	1.1	2/1550 /1300	CCWOSE	PSC/ TE	4.10"	3/8"×3.4"	3 Ears/ Cap Inc. Pin & Ins. Spade Terms. Ring Term. Grnd.	Vanee HRV M1703
O1-R465	1/15	115	2.2	3/1550	CCW	SP/ Open	4.0"	2.3"×5/16"×2.3"	Internal Fan Pin Terms. Ring term. Grnd.	Nutech-Lifebreath 23202, Elmira stoves, 2868513152
US-R90671	1/15	115/208-230	1.1/2.1	1/1550	CWSE	SP/ Open	5.00"	2.24"×5/16"	Mechanical Duty Removable Studs Resilient Rings Ball Bearing	671, 81671
US-R90672	1/15	115/208-230	1.1/2.1	1/1550	CCWOSE	SP/ Open	5.00"	2.24"×5/16"	Mechanical Duty Removable Studs Resilient Rings Ball Bearing	672, 81672
R3-R366	1/7	120	1.7	3/1630	CWLE	PSC/ Open	4.75"	3.0"×3/8"×3.0"	2 Side Studs	Venmar HRV 02100

Ventilation Motors & Fan Kits



Motor ID	Blower ID	HP	Amps	Spd/RPM	CFM	Shaft	Bracket Part #	Blower Part #	Dia.	Width	Bore	Rot.	Cross Reference
T1-R630	R7-RB20	1/185	0.76	1/1500	60	1.90"×7/32"	92-A8600	93-A7105	5"	1 1/8"	7/32"	CW	013005, EB50
O6-R260	R7-RB22	1/80	0.65	1/1500	75	1.10"×5/16"	92-A8602	66-A508202	5 1/16"	2"	5/16"	CW	B60, 013012, EB60, 4099
O6-R262	R7-RB24 R7-RB25	1/40	1.00	1/1550	116 125	1.50"×5/16"	92-A8602	66-A508216	5 1/16"	2 5/32"	5/16"	CW	B100, K100, 013011, 4105
O6-R264	R7-RB26	1/60	0.95	1/1100	141	1.85"×5/16"	92-A8604	66-A610215	6 1/16"	2 5/32"	5/16"	CW	QK100, 013020
O6-R265	-	1/75	0.65	1/1400	115	1.62"×5/16"	-	-	-	-	-	-	QB100
O6-R266	R7-RB28	1/20	1.65	1/1550	201	1.40"×5/16"	92-A8604	66-A610215	6 1/16"	2 5/32"	5/16"	CW	BK100, 013024, 4115
M3-R2603	R7-RB30	1/23	1.30	1/1550	268	2.20"×1/2"	92-A8606	66-A610220	6 1/16"	2 5/32"	1/2"	CW	DK260, DB200, 75003, 013041, 013040, 4143

Penn Ventilation Motors



Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot	Body	Frame	Bearing	Cap	Shaft	Cross Reference
M4-R3206	1/40	115	1.1	SP	1/1050	CCWOSE	3.00"	5.0"	Ball	-	2.25"×3/8"	D340, Z-6 Model
R3-R343	1/40	115	1.3/0.6	SP	2/1550 /1050	CCWOSE	2.28"	3.3"	Sleeve	-	5.75"×3/8"	JA2M414-T, 56343-0
R3-R374	1/12	115	1.1/.73	PSC	2/1550 /1300	CCWOSE	2.90"	3.3"	Sleeve	10/370	3.1"×3/8"	JE2H7057-T, 63746-0
M4-R3747	1/7 1/11 1/25	115	2.5/2.1 /1.6	PSC	3/1500 /1300 /1050	CCWOSE	4.25"	5.0"	Sleeve	5/370	2.5"×1/2"	DE2F7085-T, 63747-0
M4-R3748	1/6 1/12 1/20	115	2.1/1.9 /1.4	PSC	3/1550 /1300 /1050	CCWOSE	4.25"	5.0"	Sleeve	10/370	2.6"×1/2"	DE2F7088-T, 63748-0
R3-R346	.4	115	3.6/2.5	PSC	2/1550 /1050	CCWOSE	4.50"	3.3"	Sleeve	12.5/370	5.3"×3/8"	JE2K007-T, 56346-0

Direct Drive Motors



5.0" Direct Drive Motors



Cross Reference For:

- Coleman
- Carrier
- Lennox
- York

Item ID	HP	Volts	Amps	Cap.	Spd/RPM	Rotation	Body	Bearing	Shaft	Cross Reference
M4-R2385	1/5	115	6.5	-	3/1050	CCWOSE	4.0"	Sleeve	5.5" x 1/2"	Fasco D158, UE385, 90
M4-R2390	1/5	115	3.2	7.5/370	3/1075	Rev	3.9"	Sleeve	5.5" x 1/2"	UE390, York 24-22489-000, Bohn 5002L, 5003F
M4-R2391	1/5	208/230	1.3	7.5/370	3/1075	Rev	3.9"	Sleeve	5.5" x 1/2"	Fasco D262, D1016, UE391, 515
M4-R2395	1/4	115	4.9	5/370	3/1075	Rev	4.1"	Sleeve	3.1" x 1/2"	Fasco D150

5.5" Direct Drive Motor

Features

- 48 Frame
- 5.5" Diameter
- Open Enclosure
- Mounting: Stud, Strap & Base (Resilient Rings)
- 60 Hz
- Sleeve Bearing
- Shaft: 1/2" x 6.0"
- Reversible
- Permanent Split Capacitor (P.S.C.)
- 60" Coloured Electrical Leads
- Insulation Class B
- Thermally Protected



**24 Month
Warranty**



48 Frame - 4 Speed - Multi-HP - Direct Drive

Item ID	HP	Volts	Amps	Cap.	Spd/RPM	Rotation	A Dim.	Bearing	Shaft
DD-1314	1/3	115	6.0	7.5/370	4/1075	Rev	4.40"	Sleeve	1/2"x6"

Cross Reference

Rotom	HP	Voltage	AO Smith	Carrier	Coleman	Emerson	Lennox	ICP	GE	Marathon	Rotom				
DD-1314	1/3	115		HC41SE117	1486-236P	11864	P-8-7505	1009045	3583	X003	R43583				
	1/4		DL1026	HC41SE121											
	1/6		DL1036	P257 8583								1863	32663	1008415	3585
	1/7			P257 8585								1864	LFM13		

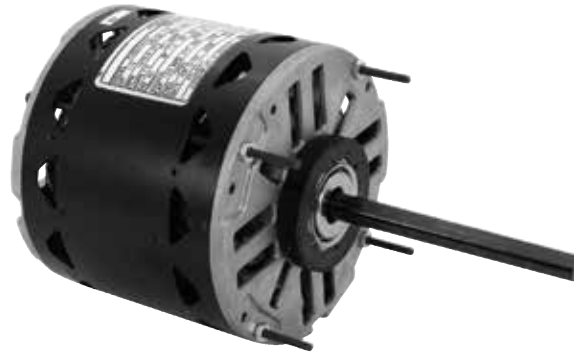
Direct Drive Motors



5.5" Direct Drive Replacement Motors

Features

- Less Inventory Required!
- Versatile!
- Time Saver!
- Energy Efficient
- Different Capacitor/Speed Combos
- Designed for 370V Cap
- Reversible Rotation
- Resilient Rings
- Extended Thru Bolts
- Automatic Protector
- Class B Insulation
- Continuous Duty-Over Air
- Mounts by Belly Band, Thru Bolts, or Shell Holes
- Rheem Mounting Holes in Shell
- 60 Hz



**Open Drip Proof
40°C Ambient**



Item ID	HP	Spd	RPM	Volts	Amps	Capacitor (370V)	Bearing	Leads	Dia	Shaft
R6-R43600	1/2	All	1075	115	7.0	5 mfd 7.5*	Sleeve	26"	4.86"	1/2"×5"
	1/3	All			6.7					
	1/4	Lo, Med-Lo, Med-Hi			4.4					
	1/5	Lo, Med-Lo			3.2					
	1/6	Lo			2.4					
R6-R43601	1/2	All	1075	208-230	3.9	5 mfd 7.5*	Sleeve	26"	4.86"	1/2"×5"
	1/3	All			3.6					
	1/4	Lo, Med-Lo, Med-Hi			2.5					
	1/5	Lo, Med-Lo			1.8					
	1/6	Lo			1.3					
R6-R43602	3/4	All	1075	115	9.1	5 mfd 7.5*	Ball	38"	4.86"	1/2"×5 1/2"
	1/2	All			6.8					
	1/3	All			5.5					
	1/4	Lo, Med-Lo, Med-Hi			3.0					
	1/5	Lo, Med-Lo			2.3					
R6-R43603	3/4	All	1075	208-230	3.9	5 mfd 7.5*	Ball	38"	4.86"	1/2"×5 1/2"
	1/2	All			3.6					
	1/3	All			3.0					
	1/4	Lo, Med-Lo, Med-Hi			2.3					
	1/5	Lo, Med-Lo			2.0					
R6-R43604	1/3	All	825	208-230	2.1	7.5 mfd	Sleeve	36"	5.24"	1/2"×5 1/2"
	1/4	Lo, Med-Lo, Med-Hi			1.7					
	1/6	Lo, Med-Lo			1.0					
	1/8	Lo			0.9					

* Motor is approximately 10% stronger and has higher starting torque for 1/6, 1/5, 1/4 and 1/3 HP rating with the 7.5 mfd 370VAC capacitor.

Cross Reference

Rotom	Emerson	Genteq	Fasco	Marathon	A.O. Smith
R6-R43600	5460	3463	D2835	X077	FDL6001A
R6-R43601	5461	3464	D833	X073	FD6000A
R6-R43602	5470	3466	D2834	X074	FDL6002A
R6-R43603	5471	3467	D2833	X075	FD6001A
R6-R43604	5469	-	-	-	FD6002A

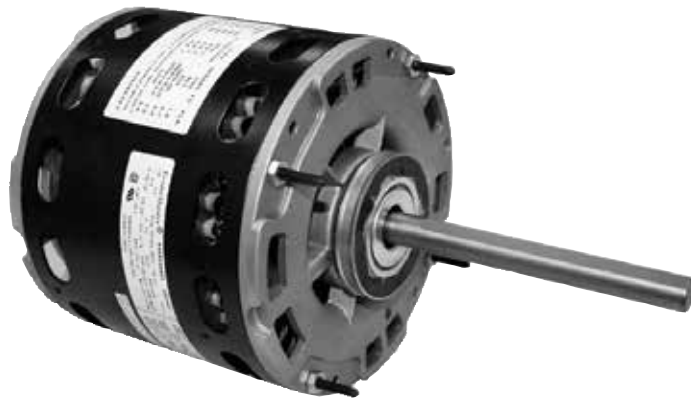
Direct Drive Motors

TruckStock™

5.5" Direct Drive Motors

Features

- Economical TruckStock Option!
- Less Inventory Required!
- Versatile!
- Time Saver!
- Easy Installations!
- Energy Efficient
- Different Capacitor/Speed Combos
- Designed for 370V Cap
- Reversible Rotation
- Extended Thru Bolts
- Automatic Protector
- Class B Insulation
- Continuous Duty-Over Air
- Mounts by Belly Band, Thru Bolts or Shell Holes
- Rheem Mounting Holes in Shell
- 60 Hz



Direct Drive

Item ID	HP	Spd	RPM	Volts	Amps	Cap	Bearing	Leads	Body	Shaft
R6-R43463	1/2-1/6	Four	1075	115	7.0	10/370, 7.5/370, 5/370	Sleeve	38"	4.86"	1/2"×5"
R6-R43464	1/2-1/6	Four	1075	208-230	3.9	10/370, 7.5/370, 5/370	Sleeve	38"	4.86"	1/2"×5"
R6-R43466	3/4-1/5	Four	1075	115	9.1	10/370, 7.5/370, 5/370	Sleeve	38"	4.86"	1/2"×5"
R6-R43467	3/4-1/5	Four	1075	208-230	3.9	10/370, 7.5/370, 5/370	Sleeve	38"	4.86"	1/2"×5"

Cross Reference

Rotom	AO Smith	Emerson	Genteq	Fasco	Marathon	DiversiTech	Smart	Carrier	Carrier	York
R6-R43463	EM3463	5460	3463	D2835	X077	WG840463	SE3463	P257-E5460	T257-3463	S1-FHM3463
R6-R43464	EM3464	5461	3464	D833	X073	WG840464	SE3464	P257-E5461	T257-3464	S1-FHM3464
R6-R43466	EM3466	5470	3466	D2834	X074	WG840466	SE3466	P257-E5470	T257-3466	S1-FHM3466
R6-R43467	EM3467	5471	3467	D2833	X075	WG840467	SE3467	P257-E5471	T257-3467	S1-FHM3467

Direct Drive Motors

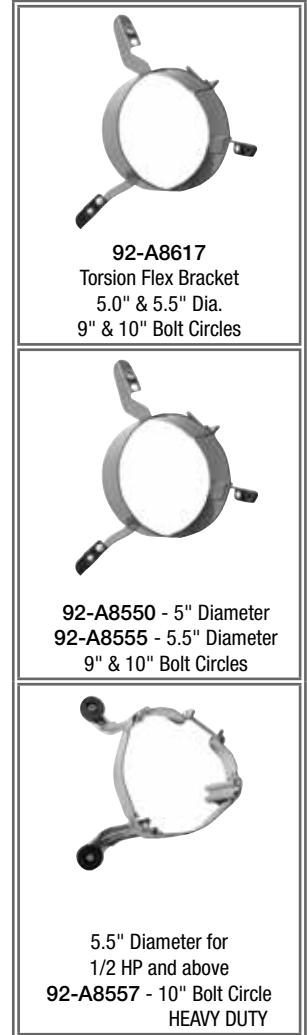


Direct Drive Motors

**40°C Ambient
24 Month
Warranty**

Features

- 48Y Frame
- 5.5" Diameter
- Open Enclosure
- Mounting: Stud, Strap & Base (Resilient Rings)
- 60 Hz
- Sleeve Bearing
- Shaft: 4.0" x 1/2"
- Reversible
- Permanent Split Capacitor (PSC)
- 40°C Ambient
- Insulation Class B
- Thermally Protected



115 & 208/230 Volts, 3 Speed, 1075 RPM, Reversible Rotation

Item ID	HP	Volts	Amps	Cap.	Spd/RPM	Rotation	Body	Bearing	Shaft
DD-3583	1/4	115	4.40	5/370	3/1075	Rev	4.15"	Sleeve	1/2"x4.0"
DD-3584	1/4	208/230	2.20	5/370	3/1075	Rev	4.15"	Sleeve	1/2"x4.0"
DD-3585	1/3	115	6.00	5/370	3/1075	Rev	4.40"	Sleeve	1/2"x4.0"
DD-3586	1/3	208/230	2.90	5/370	3/1075	Rev	4.40"	Sleeve	1/2"x4.0"
DD-3587	1/2	115	10.2	10/370	3/1075	Rev	5.40"	Sleeve	1/2"x4.0"
DD-3588	1/2	208/230	5.00	10/370	3/1075	Rev	5.40"	Sleeve	1/2"x4.0"
DD-3589	3/4	115	11.30	15/370	3/1075	Rev	5.48"	Sleeve	1/2"x4.0"
DD-3590	3/4	208/230	5.40	10/370	3/1075	Rev	5.48"	Sleeve	1/2"x4.0"
DD-43595	1	115	9.70	20/370	3/1075	Rev	5-7/8"	Ball	1/2 x 6-1/2
DD-43596	1	208-230	4.4-5.4	20/370	3/1075	Rev	5-7/8"	Ball	1/2 x 6-1/2

Capacitor Not Included

Cross Reference

Rotom	AO Smith	AO Smith	Emerson	Genteq	Fasco	Marathon	Packard	DiversiTech	Smart	Carrier	Carrier	York	UE	Rotom
DD-3583	EM3583	DL1026	1863	3583	D721	X000	43583	WG840583	SE3583	P257-8583	P257-3583	S1-FHM3583	533	R43583
DD-3584	EM3584	D1026	1971	3584	D725	X001	43584	WG840584	SE3584	P257-8584	P257-3584	S1-FHM3584	530	R43584
DD-3585	EM3585	DL1036	1864	3585	D727	X002	43585	WG840585	SE3585	P257-8585	P257-3585	S1-FHM3585	532	R43585
DD-3586	EM3586	D1036	1972	3586	D923	X003	43586	WG840586	SE3586	P257-8586	P257-3586	S1-FHM3586	529	R43586
DD-3587	EM3587	DL1056	1865	3587	D701	X004	43587	WG840587	SE3587	P257-8587	P257-3587	S1-FHM3587	531	R43587
DD-3588	EM3588	D1056	1973	3588	D703	X005	43588	WG840588	SE3588	P257-8588	P257-3588	S1-FHM3588	528	R43588
DD-3589	EM3589	DL1076	8904	3589	D728	X009	43589	WG840589	SE3589	P257-8589	P257-3589	S1-FHM3589	678	R43589
DD-3590	EM3590	D1076	8905	3590	D729	X010	43590	WG840590	SE3590	P257-8590	P257-3590	S1-FHM3590	679	R43590
DD-43595			8906	3595										
DD-43596			8907	3596										

Direct Drive Motors



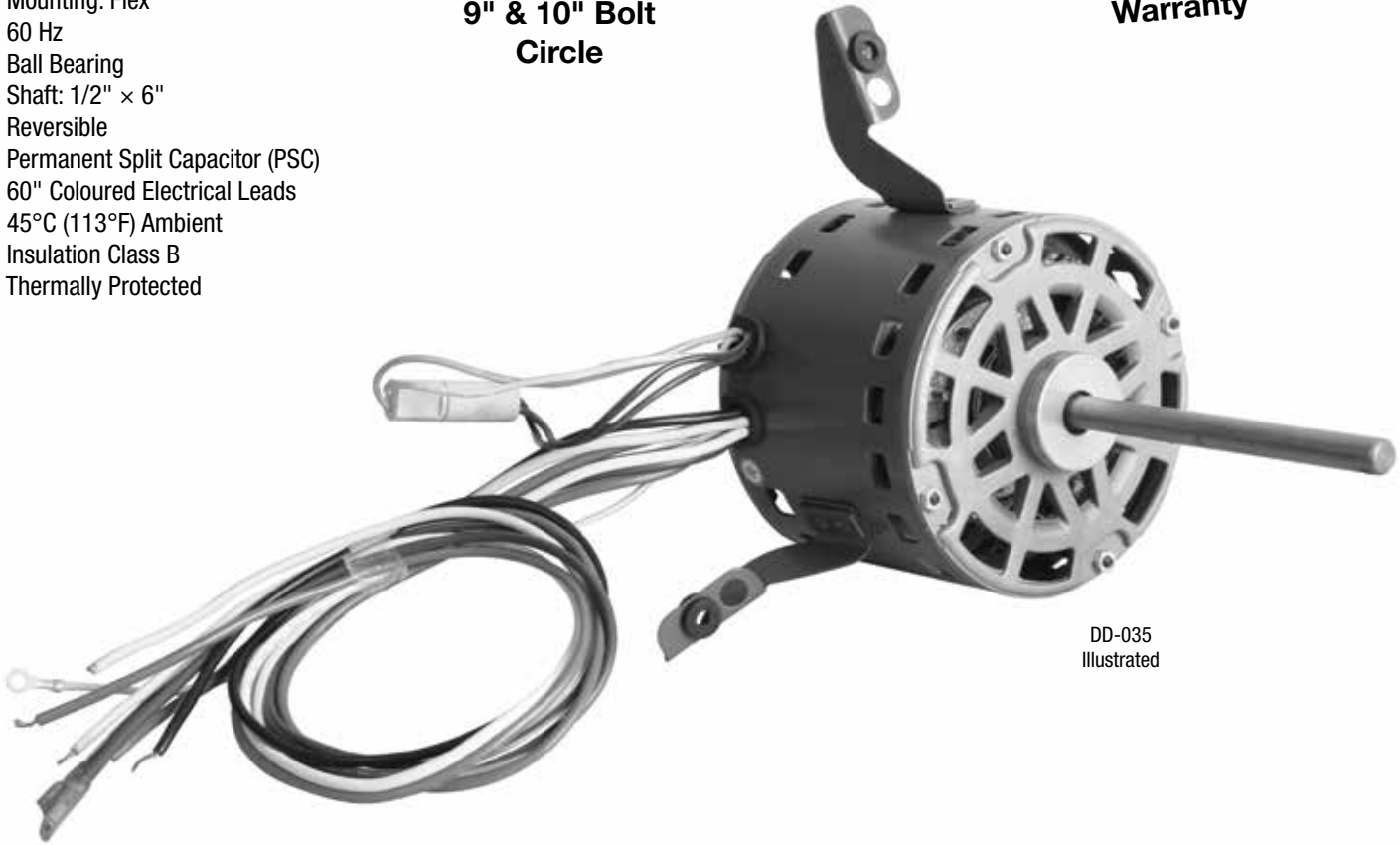
5.5" Flex Mount Direct Drive Motors

Features

- 48Y Frame
- 5.5" Diameter
- Open Enclosure
- Mounting: Flex
- 60 Hz
- Ball Bearing
- Shaft: 1/2" x 6"
- Reversible
- Permanent Split Capacitor (PSC)
- 60" Coloured Electrical Leads
- 45°C (113°F) Ambient
- Insulation Class B
- Thermally Protected

9" & 10" Bolt
Circle

24 Month
Warranty



DD-035
Illustrated

115 & 208/230 Volts, 4 Speed, 1075 RPM, Reversible Rotation

Item ID	HP	Volts	Amps	Cap.	A Dim.	Bearing	Shaft
DD-034	1/4	115	3.4	5/370	3.84"	Ball	1/2"x6"
DD-044		208/230	1.8/2.0	5/370	4.00"	Ball	1/2"x6"
DD-035	1/3	115	5.0	10/370	4.50"	Ball	1/2"x6"
DD-045		208/230	1.75/1.93	5/450	4.30"	Ball	1/2"x6"
DD-036	1/2	115	7.6	10/370	4.85"	Ball	1/2"x6"
DD-046		208/230	3.3/4.0	10/370	4.79"	Ball	1/2"x6"

Capacitor Not Included

Cross Reference

Rotom	AO Smith	Fasco	GE	Marathon	UE	Rotom
DD-034	FML1026	D1730	3783	X034	752	R42034, R42419
DD-044	-	D1733	3784	-	-	R42449
DD-035	FML1036	D1731	3785	X035	753, 947	R42035, R42319
DD-045	FM1036	D1734	3786	-	-	R42349
DD-036	FML1056	D1732	3787	X036	754	R42036, R42219
DD-046	FM1056	D1735	3788	-	-	R42249

Direct Drive Motors



5 5/8" Torsion Flex Direct Drive Motors

Features

- 48Y Frame
- Open Enclosure
- 60 Hz
- Single Phase
- Electronically Reversible
- Permanent Split Capacitor (PSC)
- Automatic Overload
- Continuous Air Over
- Energy Efficient



Item ID	HP	Volts	Amps	Type	Spd/RPM	Cap.	Rot.	Bearing	Shaft	Cross Reference
43782	1/6	115	2.50	PSC	3/1075	5/370	Rev	Sleeve	1/2" x 5"	NEW - 3782
43783	1/4	115	3.60	PSC	4/1075	5/370	Rev	Sleeve	1/2" x 6"	NEW - 3783
43784	1/4	208-230	1.80-2.00	PSC	4/1075	5/370	Rev	Sleeve	1/2" x 6"	NEW - 3784
43785	1/3	115	4.80	PSC	4/1075	10/370	Rev	Sleeve	1/2" x 6"	NEW - 3785, 9377
43786	1/3	208-230	2.30-2.60	PSC	4/1075	10/370	Rev	Sleeve	1/2" x 6"	NEW - 3786
43787	1/2	115	8.00	PSC	4/1075	10/370	Rev	Sleeve	1/2" x 6"	NEW - 3787
43788	1/2	208-230	3.30-4.00	PSC	4/1075	10/370	Rev	Sleeve	1/2" x 6"	NEW - 3788
43789	3/4	115	9.00	PSC	3/1075	15/370	Rev	Sleeve	1/2" x 5"	NEW - 3789
43790	3/4	208-230	4.50	PSC	3/1075	10/370	Rev	Sleeve	1/2" x 5"	NEW - 3790

5 5/8" Multi-Horsepower Direct Drive Motors



Features

- 48Y Frame
- Open Enclosure
- 60 Hz
- Single Phase
- Electronically Reversible
- Permanent Split Capacitor (PSC)
- Automatic Overload
- Continuous Duty, Air Over
- Mounting rings, thru bolts and holes in shell
- Multiple capacitor/speed combinations
- Class B insulation



Item ID	HP	Volts	Amps	Type	Spd/RPM	Rot.	Bearing	Encl.	Cross Reference
45460	1/2-1/3-1/4-1/5-1/6	115	5.80-5.10-3.50-3.20-2.20	PSC	3/1075	Rev	Sleeve	Open	NEW - Emerson 5460 Rheem 51-23012-41
45461	1/2-1/3-1/4-1/5-1/6	208-230	2.90-2.50-1.80-1.40-1.30	PSC	4/1075	Rev	Sleeve	Open	NEW - Emerson 5461 Rheem 51-23022-41
45470	3/4-1/2-1/3-1/4-1/5	115	9.10-6.50-5.50-4.00-2.30	PSC	4/1075	Rev	Sleeve	Open	NEW - Emerson 5470 Rheem 51-23017-41
45471	3/4-1/2-1/3-1/4-1/5	208-230	4.60-3.30-3.40-2.30-1.70	PSC	4/1075	Rev	Sleeve	Open	NEW - Emerson 5471 Rheem 51-21898-01

Direct Drive Motors

EC MAX

Electronically Commutated Direct Drive Motors

Features

- High Efficiency ECM: Up to 80% Efficient
- Cross Reference either PSC or X13 model of equivalent HP
- Dual Voltage Design: Replace 115 or 230V with one motor
- Wiring harness and simple installation guide included
- Rotation Sensing Technology
- Automatically selects rotation upon first start up
- 45" wiring harness
- Easy to install
- Internal MOV (Metal Oxide Varistors) surge protector

Item ID	HP	Volts	Amps	RPM	Hertz	Shaft
46013	1/3	115/230	5.0/3.0	1075	60/50	1/2"x 5"
46012	1/2	115/230	6.7/4.0	1075	60/50	1/2"x 5"
46034	3/4	115/230	8.2/4.9	1075	60/50	1/2"x 5"
46001	1	115/230	11.0/6.7	1075	60/50	1/2"x 5"



Evergreen® VS Motors and User Interface



Evergreen VS

The Evergreen® VS motor and Evergreen VS user interface are designed to replace Genteq® constant airflow (variable speed) ECM indoor blower motors. The Evergreen VS product line is designed specifically to replace GE® models 2.0 and 2.5, and Genteq models 2.3, 3.0 and Eon® motors (including models formerly branded GE or GE ECM by Regal Beloit).

Applications

The Evergreen VS motor is designed for use in the following types of HVAC systems:

- Furnace, air handler and package units
- Fossil fuel, electric strip heat, A/C, heat pump and geothermal units
- When replacing 2.0, 2.3 or Eon® motors, Evergreen VS motors can only be used in single stage or two stage HVAC systems
- When replacing 2.5 and 3.0 motors, Evergreen VS motors can be used in single stage, multi-stage, modulating and communicating HVAC systems

Features

- Pre-programmed
- Plug-n-play
- Dual voltage
- Dual rotation
- Truck stock
- Two year warranty*
- Complete calls same day including after hours calls
- Reduce time on call using part on truck
- Built by same manufacturer as original motor
- Maintains system performance and efficiency

Item ID	HP	Volts	Amps	RPM	Rot	Shaft
FA-6503V	1/3	120/240	5.0/2.8	1050	Rev	0.5"x 5"
FA-6505V	1/2	120/240	7.7/4.3	1050	Rev	0.5"x 5"
FA-6507V	3/4	120/240	10.1/6.1	1050	Rev	0.5"x 5"
FA-6510V	1	120/240	12.8/7.4	1050	Rev	0.5"x 5"



Item ID	Description
FA-5K010V	2 Gen Evergreen VS User Interface

The Evergreen VS motor and User Interface (5K010) are used together to replace the Genteq model 2.3 or Eon motor. All wires and harnesses provided.

Fan Coil Motors



ECM Fan Coil Motors

Features

- Drop-in replacement • Brushless DC • 3 Speeds • 5 1/8" Diameter • 54" lead length
- ECM with internal control • Long life ball bearings • Rotors are isolated from shaft to reduce motor vibration • Saves an average of 69% on energy usage • Runs cooler



Item ID	HP	Volts	Rot.	Amps	RPM Range	Shaft	Frame
M4-R2189	1/10	120	CWOSE	1.6	3/1100,900,700	9.3" x 1/2" x 9.3"	5.0"

Tempspec Replacement Fan Coil Motors

9" or 10" Bolt Circle



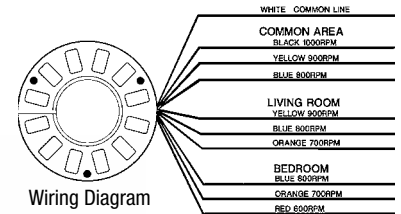
Item ID	HP	Volts	Amps	Type	Cap	Spd/ RPM	Rot.	Body	Frame	Bearing	Shaft	Cross Reference
M4-R799	1/8	115	2.10	PSC	5/370	5/1000	CCWOSE	3.87"	5.0"	Ball	5.0"x1/2"	L350, L450, L600, DA3E200, DA3F100, DA3G142
UE-799	1/8	115	2.60	PSC	5/370	5/1000	CWSE	3.5"	5.0"	Ball	5.0"x1/2"	L350, L450, L600, UE DA3E200, DA3F100, DA3G142

Fan Coil Motors

Heating & Air Conditioning • High Rise Apartment • Condominium • Hotel
 ONE MOTOR DOES ALL THREE! Bedroom, Living Room, Common Area.

DD-030 Cross Reference: 5KCP39DGV279S

Item ID	HP	Amps	Cap	Spd/ RPM	Body	Frame	Shaft
DD-030	1/6	2.6	Inc.	5/950	3.98"	48	1/2"x4.5"



Cross Reference For:

- Climetec
- Snyder-General
- Tempspec
- Unilux

Fan Coil Blowers

Heating & Air Conditioning • High Rise Apartment • Condominium • Hotel

Item ID	Motors Used	CFM	"A" Dim.
66-RFC300	UE-799	300	6.75"
66-RFC600	DD-030	600	9.00"



Motors Sold Separately

Unit Heater Motors



4.0" Unit Heater Motor

Features

- 115 Volt • CCWLE

Item ID	HP	Amps	RPM	Shaft	Cross Reference
M3-R2614	1/12	2.25	1550	2.5" x 3/8"	C16230



5.0" Unit Heater Motors

Features

- 115 Volt • Totally Enclosed

Fig. A
Lennox
ICP
Keeprite

Item ID	Fig.	HP	Spd/ RPM	Amps	Rot.	Type	Cross Reference
M4-R6920	A	1/15	1/1050	3.40	CCWOSE	SP	P8-6920, 54028, A0516, A2160, E62788, E62862, E62A15
T2-R2360	B	1/15	1/1050	3.30	CCWOSE	SP	45330,45331,45332,D143



Fig. B
Reznor

5.5" Unit Heater Motors - Dual Voltage

Item ID	HP	Volts	Amps	RPM	Rot.	A Dim.	Bearing	Shaft
UE-731A	1/4	115/208/230	3.1/1.6	1140	Rev	6.25"	Ball	1/2" x 5"
UE-732A	1/3	115/208/230	3.3/1.7	1140	Rev	6.5"	Ball	1/2" x 5"
UE-733A	1/2	115/208/230	5.6/2.8	1140	Rev	7.25"	Ball	1/2" x 5"

Capacitor Included



5.5" Unit Heater Motors

Features

- 48 Frame
- Totally Enclosed
- Mounting: 4 Stud Pattern
- 60 Hz
- Permanent Split Capacitor
- 60°C Ambient
- Insulation Class B
- Thermally Protected

Item ID	HP	Volts	Amps	Cap.	Spd/ RPM	Rot.	A Dim.	Bearing	Shaft
UH-9034	1/6	115	2.4	5/370	1/1075	Rev	4.52"	Ball	1/2" x 3.4"
UH-9035	1/4	115	4.1	5/370	1/1075	Rev	4.52"	Ball	1/2" x 3.4"
UH-9036	1/3	115	5.0	7.5/370	1/1075	Rev	4.52"	Ball	1/2" x 3.4"

Capacitor Included



Cross Reference

Rotom	AO Smith	Emerson	Fasco	GE	Marathon	UE
UH-9034	UH1016, US1016, US1016NB	9034	D834	3206	X302, X306	177, 749
UH-9035	UH1026, US1026, US1026NB	9035	D734	3208	X303, X307	566, 734, 750
UH-9036	UH1036, US1036, US1036NB	9036	D732	3212	X304, X308	183, 751

Belted Fan Motors

48/56 Frame, Split Phase Belt Drive Fan and Blower Motors



Features

- 48/56 Frame
- 5 5/8" Diameter
- Open Drip Proof Enclosure
- Ball Bearing
- Resilient Base has 48 and 56 Frame Mounting Holes
- 60 Hz
- Split Phase
- Automatic Overload
- Single Speed
- Full Service Factor Ratings
- 40°C Ambient
- Continuous Duty
- Insulation Class B
- Thermally Protected



45013D
Illustrated

Item ID	HP	Volts	Amps	S.F.	Spd/RPM	Rot.	Bearing	Shaft Dim.	Length Less Shaft	Cross Reference
45016	1/6	115	3.60	1.35	1/1725	Rev	Sleeve	1/2" x 1-7/8"	7-1/2"	US Motors 3615
45014	1/4	115	4.8	1.35	1/1725	Rev	Sleeve	1/2" x 1-1/2"	7-1/2"	Marathon B206, BF-4701
45014D	1/4	115/208-230	4.60/2.20-2.10	1.35	1/1725	Rev	Ball	1/2" x 1-7/8"	6.75"	Marathon B303
45013	1/3	115	6.60	1.35	1/1725	Rev	Ball	1/2" x 1-7/8"	6.75"	Marathon B207, BF-4706
45013D	1/3	115/208-230	6.60/3.40-3.10	1.35	1/1725	Rev	Ball	1/2" x 1-7/8"	6.75"	Marathon B305
45012	1/2	115	8.30	1.25	1/1725	Rev	Ball	1/2" x 1-7/8"	8.58"	Marathon B208, BF-4708
45012D	1/2	115/208-230	7.60/3.70-3.80	1.25	1/1725	Rev	Ball	1/2" x 1-7/8"	8.58"	Marathon B307
45230D	3/4	115/208-230	11.60/5.90-5.80	1.25	1/1725	Rev	Ball	5/8" x 1-7/8"	10.55"	Marathon 56S17D2060

Oil Burner Motors



Features

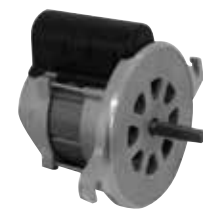
- 48M and 48N Flange Mounting
- Open & Totally Enclosed
- External Reversing Switch (most models)
- Sleeve Bearing
- Manual Reset Overload



Split Phase, 60Hz, Shaded Pole

Item ID	HP	Volts	Amps	Service Factor	Spd/ RPM	Rot.	Body	Frame	Bearing	Shaft	Features
T4-R6102	1/8	115	2.12	1.0	1/1725	Rev	5.22"	48N	Sleeve	1.82" x 1/2"	20" Leads
T4-R4782	1/8	115	2.5	1.0	1/1725	Rev	5.22"	48N	Sleeve	1.82" x 1/2"	20" Leads, open shaft end bracket, rotation switch.
T4-R2097	1/8	115	2.8	1.0	1/3450	Rev	5.93"	48N	Sleeve	1.88" x 1/2"	20" Leads, open shaft end bracket, rotation switch.
T4-R3083	1/7	115	2.8	1.0	1/3450	Rev	5.47"	48M	Sleeve	1.82" x 1/2"	15" Leads, rotation switch.
T4-R5866	1/7	115	2.5	1.0	1/3450	CCWOSE	5.47"	48M	Sleeve	1.82" x 1/2"	15" Leads, open shaft end brkt
T4-R3202	1/7	115	2.9	1.0	1/3450	CWOSE	5.97"	48M	Sleeve	1.82" x 1/2"	Beckett 21805U, 10.5" Leads, open shaft end bracket
T4-R3250	1/6	115	3.2	1.0	1/1725	Rev	5.72"	48N	Sleeve	1.82" x 1/2"	20" Leads
T4-R3252	1/6	115	3.2	1.0	1/1725	Rev	5.72"	48N	Sleeve	1.82" x 1/2"	20" Leads, open shaft end bracket, rotation switch.
T4-R3251	1/6	115	2.7	1.0	1/3450	Rev	5.97"	48M	Sleeve	1.82" x 1/2"	20" Leads, rotation switch.
T4-R3579	1/4	115	3.7	1.0	1/1725	Rev	6.72"	48N	Sleeve	1.82" x 1/2"	20" Leads, rotation switch.
T4-R2302	1/4	115	3.4	1.0	1/3450	Rev	6.72"	48N	Sleeve	1.82" x 1/2"	20" Leads, open shaft end bracket.
T4-R3234	1/3	115	4.3	1.0	1/1725	Rev	6.72"	48N	Sleeve	1.82" x 1/2"	20" Leads, open shaft end bracket.
T4-R3268	1/3	115/230	4.2/2.1	1.0	1/3450	Rev	6.72"	48N	Sleeve	1.82" x 1/2"	12.25" Leads, open shaft end brkt.
T4-R4788	1/3	115/230	5.2/2.6	1.35	1/3450	Rev	9.91"	48N	Sleeve	1.88" x 1/2"	Cap start, open shaft end bracket, terminal board
T4-R3267	1/2	115/230	6.2/3.1	1.0	1/3450	Rev	6.72"	48N	Sleeve	1.82" x 1/2"	12.25" Leads, 50/60Hz, open shaft end bracket.
T4-R3105	1/2	115/230	7.3/3.7	1.25	1/3450	Rev	10.41"	48N	Sleeve	1.88" x 1/2"	Cap start, terminal board, open dripproof
T4-R3172	3/4	115/208-230	10/5	1.0	1/3450	Rev	8.75"	48CZ	Ball	2.06" x 5/8"	Cap start, terminal board, open constr. 5/8" keyed shaft

PSC Oil Burner Motor - Direct Beckett Replacement - 21805U



PSC, 60Hz

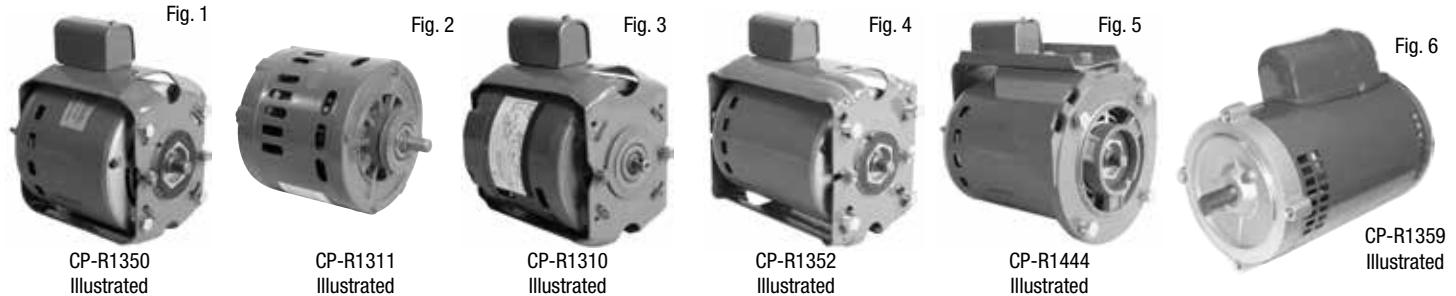
Item ID	HP	Volts	Amps	Service Factor	Spd/ RPM	Rot.	Body	Frame	Bearing	Shaft	Comments
T4-R21805U	1/7	115	1.7	1.0	1/3450	CWOSE	4.50	48M	Ball	1.88" x 1/2"	PSC, open drip proof, automatic protector

Circulator & Booster Pump Motors



Armstrong / B&G Cross Reference

Single Shaft • Single Speed • 1725 RPM
 115/230/460/575 Volts • Resilient Rings for Base Mount Models • Open Construction • Reversible
 Typical Applications : Hot Water Boiler & Booster Pumps



Item ID	HP	Volts	Fig.	Bearing	Cross Reference
CP-R1459	1/20	115/208/230	8	Ball	811757-001, 111044
CP-R1350	1/12	115	1	Ball	805316-010, 831000-61, 111034
CP-R1311		115	2	Sleeve	Taco Replacement
CP-R1310	1/8	115	3	Sleeve	OBG2004
CP-R1351	1/6	115	1	Ball	817025-005, 111061
CP-R1352		115	4	Ball	817025-001, 831001-061, 111031
CP-R1354	1/4	115	4	Ball	817025-007, 831002-061, 111040
CP-R1444		115	5	Ball	816141-001
CP-R1356	1/3	115	4	Ball	817025-013, 831003-061, 111042
CP-R1446		115	5	Ball	816141-002
CP-R1359	1/2	115/208/230	6	Ball	831009-061, 111044
CP-R1362	3/4	115/208/230	6	Ball	831010-062, 111047
CP-R1370		208/230/460	7	Ball	831012-083, 111049
CP-R1363	1	115/230	6	Ball	816676-062, 111050
CP-R1371		208/230/460	7	Ball	816675-069, 169090
CP-R1463		115/230	8	Ball	811757-007, 028, 031, 111050
CP-R1471		208/230/460	9	Ball	811757-008, 169090



Pump Couplers

Easy Links - Spirolink



Item ID	Specification	Description
T6-10010	1/2" x 1/2"	1/2 to 1/3 HP Easy Link
T6-10010SL	1/2" x 1/2"	Spirolink
T6-10023	1/2" x 1/2" or 1/2" x 5/8"	1/2 to 3/4 HP Easy Link
T6-10023SL	1/2" x 1/2" or 1/2" x 5/8"	Spirolink
T6-10034SL	1/2" x 5/8" or 5/8" x 5/8"	Spirolink
T6-10045SL	1/2" x 5/8" or 5/8" x 5/8"	Taco

Flue Exhaust Motors



Item ID	HP	Spd/ RPM	Amps	Volts	Rot	Shaft	Body	Type	Cross Reference
82521	1/100	1/1550	0.70	115	CCWSE	1-1/4"x1/4"	2-1/16"	SP	NEW - 23388, 23405
FM-RFM623	1/40	1/1500	0.80	115	CWSE	2.5"x5/16"	5.60"	SP	D9623, S59-485
82121	1/33	1/3000	1.10	115	CCWLE	2-1/8"x5/16"	3.75"	SP	NEW - JA1M086, P251-2916
FM-RFM454	1/30	1/3000	1.50	115	CCWSE	2.5"x1/4"	6.25"	SP	D454 W/ 5/16" Shaft Adapter
FM-RFM890	1/25	1/3200	0.70	208/230	CCWSE	2.3"x5/16"	3.29"	SP	Lennox 98G8901, 7121-7091
82180	1/20	1/3300	1.54	115	CCWLE	2-1/8"x5/16"	3 5/8"	SP	NEW - JA1P053, P251-2307
FM-RFM653	1/20	1/3430	1.00	230/460	CWSE	2.3"x1/4"	5.90"	SP	Carrier, York, Keeprite U653 Fasco 7131-0506, 5/16 Bushing
FM-RFM462	1/16	1/3450	0.30	460	CWSE	3.3"x5/16"	4.80"	PSC/INC	ICP 1171347, Carrier HC30GB460
82520	1/15	1/3000	1.00/2.00	115/230	CWSE	2"x1/4"	6.00"	SP	NEW - HC24AU600, HC24AU600B, HC24A0701, HC24AU231, HC24AU701, HC30GU208A, HC30GU209A, HC680001
FM-RFM230	1/12	1/3200	0.60	230	Rev.Plug	2.5"x1/4"	7.00"	PSC/INC	024-24115-020, 714
FM-RFM460	1/10	1/3200	0.30	208/230/460	Rev	2.5"x1/4"	7.00"	PSC/INC	YVFM450, Fasco D1171 York 024-24115-700
FM-RFM78	1/9	1/3200	0.65/1.30	115/230	Rev	3.3"x5/16"	4.10"	PSC/INC	RFM7&8, Reznor 43846-115V, 43424-208/230V

* Note: Without Centrifugal Switch

Cooling Fan Kits

Item ID	Rotation	Kits Description
92-FMK	CW	<ul style="list-style-type: none"> • 1 3/4" Diameter. • 5/16" Hub I.D. with 1/4" adapter. • (4) Spacers, (4) 10/32 & (4) 8/32 nuts.



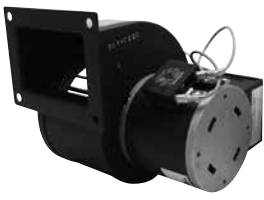
Direct Drive Blowers



Item ID	CFM	Spd/RPM	Volts	Amps	Rot	Type	Encl	Bearing	Cross Reference
R7-RB440	50	1/3080	115	0.25	CWOSE	PSC	Open	Ball	Grainger 1TDN7, 4C440
R7-RB663	60	1/3000	115	0.60	CCWOSE	SP	TE	Sleeve	AO Smith 9444
R7-RB661	60	1/3000	115	0.50	CCWOSE	SP	Open	Ball	AO SMITH 9461, FASCO 50747-D500
R7-RB60	60	1/3200	115	0.60/0.80	CCWSE	SP	Open	Sleeve	AO SMITH 9470, FASCO 50747-D401
R7-RB665	65	1/3200	115	0.74	CCWOSE	PSC	Open	Sleeve	AO SMITH 9462, FASCO 50748-D500, GRAINGER 4C443
R7-RB33	73	1/2800	120	0.60	CWOSE	PSC	Open	Ball	Newmac 204001 EB3 w/ Variable Spd Switch
R7-RB70	75	1/3000	115	0.59	CCWOSE	SP	Open	Sleeve	AO Smith 989
R7-RB885	85	2/2800	115	0.65	CWOSE	SP	Open	Sleeve	AO SMITH 414
R7-RB90	90	1/3000	115	1.00	CWOSE	SP	Open	Sleeve	AO SMITH 13
R7-RB991	90	1/3000	115	1.00	CWOSE	SP	Open	Sleeve	AO SMITH 383
R7-RB4	100	1/3220	115	0.34	CWOSE	PSC	TE	Ball	Franklin 76012, 80042, Electrohome EB4
R7-RB3	100	1/3220	115	0.34	CWOSE	PSC	TE	Ball	Fasco B24220
R7-RB54	100	1/3420	115	0.43	CWOSE	PSC	TE	Ball	Easy Radiant
R7-RB120	120	1/3200	115	0.72	CWOSE	SP	Open	Sleeve	AO Smith 9445
R7-RB141	140	1/2860	115	1.10	CCWOSE	SP	Open	Sleeve	AO Smith 9492, Fasco 50752-D500, GRAINGER 4C442

Flange Mounting Dimensions Available on Page 120 & 121

Direct Drive Blowers



R7-RB446



R7-RB155



R7-RB165



R7-RB312



R7-RB265



R7-RB447



R7-RB938



R7-RB465



R7-RB495



R7-RB500

Item ID	CFM	Spd/RPM	Volts	Amps	Rot.	Type	Encl	Bearing	Cross Reference
R7-RB446	146	1/3120	115	0.75	CCWOSE	PSC	Open	Ball	Grainger 4C446, 1TDP7, Fasco 7021-3469, A166
R7-RB155	148	1/2480	115	0.75	CCWOSE	PSC	TE	Ball	Grainger 1TDR6, 4C006, Fasco 7021-4933
R7-RB165	165	1/3550	115	0.65	CCWOSE	PSC	Open	Ball	-
R7-RB312	222	1/2750	115	0.60	CCWOSE	PSC	TE	Ball	Grainger 1TDU8, 4C826, Fasco A212, 70219025
R7-RB265	273	1/1640	115	0.77	CCWOSE	PSC	Open	Ball	Franklin 80224, U.E.459, Fasco B45227
R7-RB447	273	1/1640	115	0.77	CCWOSE	PSC	Open	Ball	Grainger 4C447, 1TDR3
R7-RB938	287	1/3280	115	1.30	CCWOSE	PSC	Open	Ball	ProFab 814320, Aspen, Empyre, Fasco 70625938
R7-RB380	380	1/1420/ 1650	115	1.28/1.15	CCWOSE	PSC	Open	Ball	Grainger 4C444, 4C666, 4YJ31, 1TDR7, Century 9466
R7-RB465	465	1/1560	115	1.30	CWOSE	PSC	Open	Ball	Franklin 80546, U.E.460, Fasco B45267, Grainger 4C448
R7-RB495	495	1/1570	115	3.80	CCWOSE	SP	Open	Sleeve	AO Smith 9465
R7-RB500	500	2/1550	115	3.50	CCWOSE	SP	Open	Sleeve	AO Smith 9491, Fasco 50769-D500

Flange Mounting Dimensions Available on Page 120 & 121

Direct Drive Blowers



Item ID	CFM	Spd/RPM	Volts	Amps	Rot.	Type	Encl	Bearing	Cross Reference
R7-RB445	549	1/1430	115	2.20	CCWOSE	PSC	Open	Ball	Grainger 1TDT2, 4C445, 4YJ32
R7-RB760	797	2/1350	115	3.30	CWOSE	PSC	Open	Ball	AO Smith 9459, Grainger 5C508
R7-RB965	965	1/1080	115	3.50	CCWOSE	PSC	Open	Ball	Grainger 1TDT5
R7-RB1000	1000	2/1100	115/230	4.00	CCWOSE	PSC	Open	Sleeve	AO Smith 9477, Fasco A1000
R7-RB1600	1638	4/1085	115	6.90	CCWOSE	PSC	Open	Ball	Grainger 1XJX9

Flange Mounting Dimensions Available on Pages 120 & 121

HRV Motors



Nutech

Item ID	HP	Volts	Amps	Type	Spd/RPM	Rot	Body	Frame	Bearing	Cap	Shaft	Cross Reference
M4-R2324	1/12	120	1.40	PSC	1/1550	CCWOSE	3.6"	5.0"	Ball	3/370	2.8"×3/8"×2.6"	Nubreath 23-204, GE5K-CP298G8560BS, Fasco 7185-0242

OEM Replacement Motors



Amana

Item ID	HP	Volts	Amps	Type	Spd/RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
66426K	1/30	208-230	0.65	SP	1/3000	CWLE	-	3.3"	Ball	-	-	NEW - 35HWC, 36HWC, 48HWC, 60HWC, 66HWC, ACOMB605-1, R06428D426
FB-RFB158	1/25	115	0.7	PSC	1/3450	CCWOSE	6.4"	3.3"	Sleeve	4/250	-	Hi eff. Res., 9552099437, D98686-5, R0156744, 20000101, Fasco 7002-2407, 7021-8258, 7062-3151
FB-RFB129 ¹	1/20	115	1.95	SP	1/3480	CCWOSE	6.5"	3.3"	Sleeve	-	-	CUIC Mid eff., Res., 11009001, 11009002, Fasco 7021-9064, A129

OEM Replacement Motors



80280



FB-RFB250



FB-RFB676



FB-RFB547



66056

Armstrong

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
80280	1/50	208-230	0.55	SP	1/3000	CWLE	-	3.3"	Ball	-	-	NEW - 322P859, 35035B1, 35HWC181, 36HW, 36HWC18A, 36HWC241, 66HWC301, 7021-10264, 60HWC30A, 66HW, 66HWC181, 66HWC18A, 66HWC241, 66HWC24A, 60HW, 60HWC181, 60HWC18A, 60HWC241, 60HWC24A, 60HWC301, 36HWC24A, 48HW, 48HWC181, 48HWC18A, 48HWC241, 48HWC24A
FB-RFB250	1/30	208/230	0.70	SP	1/3000	CWOSE	5.75"	3.3"	Ball	-	-	Rooftop, 42250-001, 7021-10126
66426K	1/30	208-230	0.65	SP	1/3000	CWLE	-	3.3"	Ball	-	-	NEW - R06428D426
FB-RFB676	1/20	115	0.57	PSC	2/3300	CWOSE	5.9"	3.3"	Ball	5/370	-	100676-01, 7062-5720, 7062-6350
FB-RFB547 ⁻²	1/20	115	1.80	SP	1/3400	CWOSE	5.8"	3.3"	Ball	-	-	Air Ease High eff. Ultra 90, 290, Res., 40404-003G-004, 40404-004, 2862-513-040, 367170004, 20190601, 7021-9625

Burnham

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
66056 ⁻¹	1/15	115	0.48	PSC	1/3400	-	-	3.3"	Ball	INC	-	NEW - 6116056, 8116227, 8116233

*Notes:

1 - Comes with gasket

2 - Comes with gaskets, mounting hardware

OEM Replacement Motors



Carrier (cont. next page)

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
65123	1/40	115	1.55	SP	1/3000	CCWLE	2.54"	C-Frame	Ball	-	-	NEW - HC21ZE123A, HC21ZE123A, J238-150-15215AT
FB-RFB212 ¹	1/30	115	1.60	SP	1/3000	CCWOSE	6.30"	Skel	Ball	-	-	Bryant, Payne Mid Eff., Res. HC21ZE117-13, 318984-753, 818984753, 58SSE08Q-BC Series 130 Blw. Whl. - 66-A8664
65118	1/30	115	1.8/.60	SP	2/2800/ 2500	-	2.75"	C-Frame	Ball	-	0.18"x1.35"	NEW - HC21ZE116, HC21ZE118, HC21ZE118B, J238-150-15315
FM-RFM653 ¹	1/20	230/460	1.0/.51	SP	1/3430/ 3000	CWOSE	5.9"	3.3"	Ball	-	2.3"×1/4"	Comm. Magnetek 653 Blw. Whl. - 66-A8655
66816	1/16	460	0.25	PSC	1/3450	-	-	3.3"	Ball	-	-	NEW - 48SS400381, 48SS400607, 50DK406182
FM-RFM462 ³	1/16	460	0.30	PSC	1/3450	CWOSE	4.8"	3.3"	Ball	INC	3.3"×5/16"	HC30GB460, 48TJE 90/120/150 Comm. Roof Top Blw. Whl. - 66-A8660(4x1") 66-A8665(4x2")
66815	1/16	208-230	0.48	PSC	1/3450	-	6.71"	3.3"	Ball	4/370	-	NEW - 1171314, 48SS400380, 48SS400606, 50DK406181, 50DK406815, HC30GB232
66649	1/16	208-230	0.48	PSC	1/3450	CCWSE	7.86"	3.3"	Ball	4/370	-	NEW - 48GS400649, 48GS400106, HC30GB232
FB-RFB756	1/16	115	1.02	PSC	1/3190	CWOSE	-	3.3"	Ball	INC	-	320725-756, HC28CQ116, HC27CB115, 66756, 1179081, JE1D013N, 34VH22, K33HX-CW-1017, X83-386
FB-RFB757	1/16	115	1.16	PSC	1/3026	CWOSE	-	3.3"	Ball	INC	-	320725-757, 320725-754, 320725-761, HC27CB119, HC27CB116, 66757, 40LW03, X83-387

***Notes:**

- 1 - Comes with two (2) wiring harnesses
- 2 - Comes with 5/16" shaft adapter & Built-in centrifugal switch
- 3 - The rear magnetic centrifugal switch found on most replacements has been built into these Rotom models

OEM Replacement Motors



Carrier (cont. from previous page)

Item ID	HP/ Watts	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Stack Size	Shaft	Cross Reference
FB-RFB758	1/15	115	1.45	PSC	1/3222	CWSE	-	3.3"	Ball	Inc	-	320725-758, 317292-753, 320725-755, 325269-701, 325270-761, HC28QC115, YDZ-050L22541-01, 115U77, X83-388
66755	40	115	0.86	PSC	1/3300	CWSE	-	-	Ball	-	-	NEW - 309868755
65230	28	208-230	0.80	SP	1/3000	CWSE	-	C-Frame	Ball	-	-	NEW - 48SS400626, HC24HE230, J238-150-15103
65570	25MHP	230	0.80	SP	1/3000	CWSE	3-5/8"	C-Frame	Ball	1-1/2"	1"x5/16"x1-7/8"	NEW - HC24HE230 , J238-15161, J238-15161
66752	25MHP	115	1.80	SP	1/3200	CWSE	-	C-Frame	Ball	-	-	NEW - 310371-752, HC23UE121, P251-2916
66763	28MHP	115	1.32/0.39	SP	2/3000	CCWSE	-	-	Ball	-	-	NEW - 326628-763
66765	25MHP	115	0.9/0.48	PSC	2/3000/ 1900	CWSE	-	-	Ball	-	-	NEW - 326628-765
66762	16MHP	115	1.06/0.28	SP	2/3000	CWSE	-	-	Ball	-	-	NEW - 326628-762
66761	8.2MHP	115	0.63/0.30	SP	2/3000	CWSE	-	-	Ball	-	-	NEW - 326628-761
66753	-	115	1.70	SP	1/3200	CWSE	-	-	Ball	1.57"	-	NEW - 318984-753

OEM Replacement Motors



Consolidated Industries

Item ID	CFM	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
FB-RFB570	95	115	0.90	SP	1/3300	CCWOSE	6.20"	3.3"	Sleeve	-	-	UE JA1P082, 401570
FB-RFB450	105	115	1.41	SP	1/3300	CCWOSE	6.33"	3.3"	Sleeve	-	-	UE JA1P090, 401450

Clare

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
FB-RFB52	1/20	115	0.58	PSC	1/3450	CCWOSE	7.85"	3.3"	Sleeve	INC	-	High Eff Universal Fit, Res: Clare V52 M053, HEG & HEHB 80A Series
FM-RFM11	1/18	120	1.80	SP	1/3200	CCWOSE	3.6"	3.3"	Ball	-	1.5"×5/16"	Residential: Clare V15, Internal Fan, M045, 2862511004

Coleman

Item ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
65475	1/150	115	0.40	SP	1/3315	CCWSE	2.36"	C-Frame	Ball	-	-	NEW - 373-19801-820, 373- 19801-821, 373-19801-820, 373-19801-821
FB-RFB156	1/35	115	1.10	SP	1/3000	CCWOSE	5.6"	3.3"	Sleeve	-	-	Roof Top Com: Evcon 2702-321, 7021-9404

Dunkirk

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
82052	1/50	115	1.00	SP	1/3000	-	7.62"	3.3"	Ball	-	-	NEW - 43300510

OEM Replacement Motors



Fedders

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
82618	1/50	115/230	0.90/0.45	SP	1/3000	-	7.93"	3.3"	Ball	-	-	NEW - 030-7059, 031-7059, 17-9-959-1, 30-7059

Goodman (cont. next page)

Item ID	HP	Volts	Amps	Type	Spd/RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
66007	1/50	230	0.24	SP	1/3000	-	-	-	Ball	INC	-	NEW - 0131G00007P, 0131G00007P, 0131G00007P, 0131G00093, 0131G00093S, 0131G00007S
66121	1/50	230	0.22	PSC	1/3000	CCWSE	-	3	Ball	-	-	NEW - 0131M00121, 0131M00121P, 0131M00121S, 0131M00121SP
FB-RFB859	1/48	115	1.6	SP	1/3000	CWOSE	5.52"	Skel	Ball	-	-	66005, 7002-2307, 7002-2771, 7002-3219, 7058-0229, B1859005, A157, B40590-35, J238-112-11128, J238-1128
FB-RFB405 ²	1/33	115	1.5	SP	1/3000	CWOSE	5.89"	Skel	Ball	-	-	66590, 7002-3036, A182, B4059000, J238-112-11195, J238-11195
66009	1/32	230	0.24	PSC	1/3000	-	-	-	Ball	-	-	NEW - 0131G00009, 0131G00009P, 0131G00009S
66959	1/30	208/230	0.6/.56	SP	1/3000	-	-	-	Sleeve	-	-	NEW - B2959000S, B2959000, 7021-8656
FB-RFB276	1/30	115	1.4	SP	1/3000	CWOSE	5.44"	Skel	Ball	-	-	0131M00002P
66743	1/24	115	1.5	SP	1/3000	-	-	-	Sleeve	-	-	NEW - R0156743

*Notes:

- 1 - Built-in end switch
- 2 - Comes with gasket attached

OEM Replacement Motors



Goodman (cont. from previous page)

Item ID	HP/ Watts	Volts	Amps	Type	Spd/RPM	Rot.	Body	Frame	Bearing	Cap	Stack Size	Cross Reference
FB-RFB501	1/16	115	2.8	SP	1/3000	CWOSE	5.00"		Skel	Ball	-	22307501, 071M00000, 7058-2108
FB-RFB483	1/8	115	1.8	SP	1/3200	CWLE	5.33"		Skel	Ball	-	B4833000, B4833000S, A188, 7021-10958, 5KSB46GF0001
66202	56	115	1.13/0.56	PSC	2/3000	CCWSE	-	-	Ball	-	-	NEW - 0131M00003, 0131M00003P, 0131M00003PS, 0131M00003S, B4059002, B4059002S, B4059004, B4059004S, Y3L248B01
66003	30	115	0.92	PSC	1/3250	CCWLE	6.67"	3.3"	Ball	-	-	NEW - 098862-1, 0988621-1, 11009001, 11009002, 11009003, 7021-10272, 7021-7006, 7021-7259, 7021-9064, 7021-9259, 7021-9574, 7021-9924
48332	-	115	1.80/1.10	SP	2/3200/2800	-	5.50"	3.3"	Ball	-	1.25"	NEW - 5KSB46GF0003, 5KSB-46GF0003S, B483001, B483001S, B48330001, B4833001, B4833001S
66000	-	230	1.40	SP	1/3000	-	-	-	Ball	-	1.50"	NEW - 0131G00000P, 0131G00000PS, 0131G00000S

G.S.W.

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
FB-RFB127 ⁻²	1/25	115	1.3	SP	1/3200	CCWOSE	7.00"	3.3"	Sleeve	-	-	GSW 63217, Fasco 7021-8347

Heil Quaker

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
FB-RFB672	1/100	115	0.60	SP	1/3150	CCWOSE	5.71"	3.3"	Sleeve	-	-	A064, 610672, X89-455

*Notes:

1 - Feature an internal fan, stainless steel shaft and built-in centrifugal switch

2 - Includes coupling & hose clamps

OEM Replacement Motors



ICP (cont. next page)

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
66254	1/50	230	0.30	PSC	1/3000	CCWLE	6.35"	3.3"	Ball	-	-	NEW - 1110008, 1085571, 1085571P, 7021-10048, 7021-10580, 119254-00
FB-RFB107 ²	1/33	230	0.3	PSC	2/3350 /2900	CWOSE	8.70"	3.3"	Sleeve	3/370	-	Keeprite PGB, PGA, PGD, GPD, RGMA Com: Keeprite 1097245, 15-20-30 Ton
82148	1/30	208-230	0.16	PSC	1/3000	CCWSE	7.11"	3.3"	Ball	-	-	NEW - 1054268P, 1054268, HQ1054268FA
FB-RFB433	1/25	115	1.87	SP	1/2700	CWOSE	6.00"	Skel	Ball	-	-	1014433, 1014529
FB-RFB350	1/25	115	0.8	PSC	1/3450	CWOSE	7.10"	3.3"	Ball	5/370	-	Keeprite CGJ, CGK High Eff. 50, 75, 100, 125 Res: 1011350 Hardware Connection Kit - FB-RFB350-1
FB-RFB145 ¹	1/25	115	0.7	PSC	1/3450	CWOSE	5.3"	3.3"	Ball	4/250	-	Keeprite, Heil, Comfortmaker NTGM High Effi. Res: 1009924, 1009518, 1010527, 1011412, 1164280, Airco, Tempstar
FB-RFB330	1/25	115	2.4	SP	3000	CCWOSE	5.54"	Skel	Ball	-	-	1172823, 330701-701, 329148-701, 1013915, 1172823
FB-RFB170	1/25	115	2.3	SP	1/3400	CWOSE	5.74"	3.3"	Ball	-	-	Res: 7021-10048, 7021-10580
FB-RFB114	1/24	115	0.7	PSC	1/3450	CWOSE	7.75"	3.3"	Sleeve	4/250	-	Res: 7062-5165, 7062-3794, 7062-5922 Intercity 1149097, 1008416P A307
FB-RFB825	1/20	115	.75	PSC	2/3000 /2000	CWOSE	4.40"	3.3"	Ball	6/370	-	70626158, 1172825
FB-RFB383	1/20	115	1.6	SP	1/3000	CCWOSE	6.50"	Skel	Ball	-	-	66833, 7021-7700, 7021-8735, 7021-8736, 7021-9335, 7021-9918, 7021-9744, 1708607, 1010238P, 1010324, 1013833, J238-13933

1 - Comes with two (2) gaskets, high temp. silicone, hardware & instructions
2 - Comes with gaskets

OEM Replacement Motors



ICP (cont. from previous page)

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot	Body	Frame	Bearing	Cap	Shaft	Cross Reference
FM-RFM462 ²	1/16	460	0.3	PSC	1/3450	CWOSE	4."	3.3"	Ball	4/370	3.3"×5/16"	HC30GB460, 48TJE 90/120/150 Com. Roof Top ICP 1171347 Blw. Whl. - 66-A8660(4x1") 66-A8665(4x2")
66420	1/16	208-230	0.46	PSC	1/2947	CCWSE	-	-	Ball	-	-	NEW - 1178420
66421	1/15	208-230	0.68	PSC	1/3180	CCWSE	-	-	Ball	-	-	NEW - 1178421

Lennox (cont. next page)

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Stack Size	Cap	Shaft	Cross Reference
FB-RFB390	1/65	115	0.7	SP	1/3000	CCWOSE	5.75"	3.3"	Sleeve	-	-	-	Res: 88J3901, 7021-9262, A219
FB-RFB401	1/60	120	1.3	SP	1/2800	CWOSE	5.96"	Skel	Ball	-	-	-	66401, 7021-1108, 7021- 9242, 7021-9311, 7021-9455, 7021-9640, 7021-9657, J238- 8171, 85L4901, 88K8401, 67M5401, 10K5101, 10K5301, 10K5301P, 27K5201, 27K5201P
FB-RFB495	1/30	115	1.4	SP	1/3000	CWOSE	5.30"	Skel	Ball	-	-	-	24W95, 31L5501
FB-RFB790	1/30	115	1.8	SP	1/3000	CCWOSE	6.00"	Skel	Ball	-	-	-	Res: 60M7901, 7058-0217, A207
FB-RFB810	1/30	115	1.8	SP	1/3000	CCWOSE	6.00"	Skel	Ball	-	-	-	Com: 60M8101, 7058-0322, A208
66300	1/25	120	0.5	PSC	1/3300	CWSE	-	-	Ball	-	-	-	NEW - 20J89, 20J8901, 7021-8473, 76714300

***Notes:**

- 1 - Vent Restrictor Orifice Plates: 92-1008696 ICP 50 & 75, 92-1008699 ICP 100, 92-1160415 ICP 125, Comes with coupling, pins, O-rings and gaskets
- 2 - The rear magnetic centrifugal switch found on most replacements has been built into these Rotom models

OEM Replacement Motors



Lennox (cont. from previous page)

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Stack Size	Cap	Shaft	Cross Reference
FM-RFM890	1/25	208/230	0.7	SP	1/3200	CCWOSE	3.29"	3.3"	Ball	-	-	2.3"x5/16"	GCS3 Roof Top Com: Lennox 98G8901 Fasco 7121-7091 BLW. WHL - 66-A8677
FB-RFB547 ¹	1/20	115	1.8	SP	1/3400	CWOSE	5.8"	3.3"	Ball	-	-	1.1"x5/16"	G26 High Eff. Series Res: 68K21, Fasco 7021-9450
FB-RFB550	1/16	230	0.83	SP	1/3000	CCWOSE	5.50"	3.3"	Ball	-	-	-	Com: 25M5501, 7021-11231, A217
FB-RFB701	1/10	208/230	0.6	PSC	1/3200	CCWOSE	6.50"	3.3"	Ball	-	4/370	-	Roof Top Com: Lennox 98G8701
66093	-	120	0.43	SP	1/3000	-	-	C-Frame	Ball	5/8"	-	-	NEW - 80C93
HB-RB130	-	115	0.86	-	1/2800	CCW	-	-	Ball	-	-	2.6"x9.4"	FBK-250, BL65X, D-400, D-500, D-600, D-800, B-500, B-600, B-800, MDT3328, MDR3328, Elite-2 Series, EDST-2, EDPF-2, EDCL-2, EDCR-2

Modine

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
FB-RFB599	1/15	115	2.45	SP	1/3000	CWOSE	9.03"	3.3"	Sleeve	-	-	5H073598-001, 7021-9045, 7021-12659

***Notes:**

- 1 - Comes with gaskets and mounting hardware
- 2 - Comes with gasket. Built-in centrifugal switch
- 3 - Features a built-in variable speed control

OEM Replacement Motors



Newmac

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Comments
R7-RB33 ⁻³	1/25	120	0.60	PSC	1/2800	CWOSE	6.60"	3.3"	Ball	-	-	Oil & Wood Furnace 2040001

Nordyne, Frigidaire, Miller

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
65404	1/100	120	0.69	SP	1/3000	-		C-Frame	Ball	-	-	NEW - 903404, M1MB056ABW
80270	1/50	115/230	0.90/0.45	SP	1/3000	CWLE	5.33"	3.3"	Ball	-	-	NEW - 303875000
FM-RFM623	1/40	115	0.80	SP	1/1500	CWOSE	5.60"	3.3"	Sleeve	-	2.5" x 5/16"	D9623, S59-485
66567	1/33	115	0.43	PSC	1/3000	CCWSE	-	-	Ball	-	-	NEW - 622567
66798	1/20	115	0.46	PSC	1/3400	-	-	-	Ball	-	-	NEW - 622302, 622302

Olsen

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
FB-RFB200 ⁻²	1/24	115	1.8	SP	1/3200	CCWOSE	6.60"	3.3"	Ball	-	-	HCS-2 High Eff. 60, 75, 81, 90 Right Hand Discharge Residential: 20082, 11051403
FB-RFB181 ⁻²	1/22	115	1.2	SP	1/3320	CWOSE	6.60"	Skel	Ball	-	-	Airco High Eff HCS-2 60, 75, 81, 90 Left Hand Discharge Res: 18102

Reznor

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
FM-RFM78 ⁻²	1/9	115/230	1.3/0.65	PSC	1/3200	Rev	4.10"	3.3"	Ball	2/370	3.3" x 5/16"	Commercial: Reznor 43846 (115V), 43424 (208/230), FM-RFM7, FM-RFM8 BLW. WHL - 66-A8675

*Notes:

2 - Comes with three (3) brackets, fastening hardware, drain tubing & instructions.

OEM Replacement Motors



Rheem-Ruud

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Stack Size	Cap	Shaft	Cross Reference
FB-RFB139 ¹	1/50	115	0.95	SP	1/2970	CCWOSE	6.00"	3.3"	Sleeve	-	-	-	Hot Water Heater SP11608, Fasco 7062-7572
FB-RFB214 ²	1/50	115	1.1	SP	1/3000	CCWOSE	5.63"	3.3"	Sleeve	-	-	-	RGDE Mid Eff. Res: Fasco 70-214196-83, A079
66781	1/50	115	0.6	PSC	1/3000	CWLE	6.71"	3.3"	Ball	-	-	-	NEW - 70-101087-81, 70-21496-83, 70-24157-03, 7021-11559
FB-RFB189 ³	1/40	115	1.0	SP	1/3000	CCWOSE	5.50"	3.3"	Sleeve	-	-	2.3"x5/16"	Rheem-Ruud 09-189, UE JA1M161N
FB-RFB107 ²	1/33	230	0.3	PSC	2/3350 /2900	CWOSE	8.70"	3.3"	Sleeve	-	3/370	-	Roof Top, PGB, PGA, PGD, GPD, RGMA Com: Rheem-Ruud 1070770, 101070, 107701 15-20-30 Ton
82182 ²	1/30	460	0.35	SP	1/3300	CWSE	-	3.3"	Sleeve	-	-	-	NEW - 70-23641-02, 70-23641-82
FB-RFB641	1/25	208/230	0.62	SP	1/3200	CWOSE	5.75"	3.3"	Ball	-	-	-	Com: 70-23641-81, 7021-9567, A241
FB-RFB206	1/20	115	0.85	PSC	2/3400 /2400	CWOSE	6.75"	3.3"	Sleeve	-	4/370	-	Residential: 70-24206-01, 7062-3925, A246
FB-RFB241 ⁴	1/20	115	1.7	SP	1/3400	CCWOSE	6.30"	Skel	Ball	-	-	-	Weather King RGP Mid Eff. Conquest 800 Res: Fasco 70-24157-03, 70-22838-02
66181 ²	25MHP	115	0.92	PSC	1/3000	CWSE	-	-	Ball	-	-	-	NEW - 70-102691-81
21964K	-	208-230	0.25	SP	1/3000	CWSE	9.00"	C-Frame	Sleeve	3/4"	-	1-1/2"x1/4"	NEW - 51-21964-11

*Notes:
 1 - Includes coupling, adapter horn, plug, screws & tubing
 2 - Comes with gasket
 3 - Includes two (2) gaskets & 90° brass fitting
 4 - Comes with gasket mounted

OEM Replacement Motors



Roberts Gordon

Item ID	CFM	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
R7-RB3	100	115	0.34	PSC	1/3220	CWOSE	6.00"	3.3"	Ball	INC	-	Gordon Ray BH Series, GRP 90709700

Skymark

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
FB-RFB236	1/40	208/230	0.30	PSC	1/3000	CWOSE	5.00"	3.3"	Ball	INC	-	7021-9136, MTR-136PK, A251

Trane (cont. next page)

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
66362	1/100	115	1.0/0.35	SP	2/3000	CWSE	-	-	Sleeve	-	-	NEW - 7021-8925, BLW00362
82057	1/40	115	1.00	SP	1/3000	CCWSE	5.53"	3.3	Ball	-	-	NEW -
82253	1/35	208/240	0.6/0.5	SP	1/3000	CCWSE	6.31"	3.3"	Ball	-	-	NEW - 21C729631P1, 4MH39, 7021-10286, 7021-7833, 7021-8928, BLW-451, BLW00451, C661452P01, X38080029010
66010	1/35	208/230	0.50	SP	1/3000	-	-	3.3"	Sleeve	-	-	NEW - 21C729631P1, 7021-10286, 7021-7833, 7021-8928, BLW-451, BLW00451, C661452P01, X38080029010
FB-RFB337	1/30	120	1.3	SP	1/3100	CCWOSE	6.00"	Skel	Ball	-	-	D330787P01, 7021-10281, A361, 7021-10291, 7021-8013, 7021-9055, J238-1344, J238-138-1344, 787P01, BLW473, D330809P01, 21D340125, 21D330673
UE-954	1/30	115	0.6	PSC	3/1100	CWOSE	4.0"	5"	Sleeve	INC	8.5"×1/2"	MOT 1878, MOT 1875, X70500149-01-7, EM K48HX-BYH-954
UE-641	1/30	115	0.5	PSC	3/1075	CWOSE	3.5"	5"	Sleeve	INC	8.5"×1/2"×9"	MOT 1876, CX70500133-01, UE DE3E152

OEM Replacement Motors



Trane (cont. from previous page)

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
UE-9608	1/20	115	0.6	PSC	3/1100	Rev	3.25"	5"	Sleeve	INC	9-7/8"X 1/2"	MOT 1875, X70500149-02, EM K48HXBHZ955
UE-953	1/15	115	0.8	PSC	3/1100	CWOSE	3.25"	5"	Sleeve	INC	10.5"×1/2"×10.5"	MOT 1877, X70 500149-04-7, EM K48HXBJA-956
FB-RFB310	1/8	208/230	0.62	PSC	1/3500	CCWOSE	7.10"	3.3"	Ball	INC	-	7062-3972, A273, X38040310-01
UE-955	1/6	115	2.0	PSC	3/1500	CWOSE	4.0"	5"	Sleeve	6/370	10.5"×1/2"×10.5"	MOT 1979, MOT 482, X70 500149-12-7, EM K48HXCKS-1418
UE-642	1/4	277	1.1	PSC	3/1475	CWOSE	4.0"	5"	Sleeve	4/370	8"×1/2"×8"	MOT 689, X70500354, UE DE2G101
66311 ⁻²	19W	208/230	0.23/0.18	PSC	2/2800/ 1500	CCWSE	-	-	Ball	INC	-	NEW - BLW01311, D965130P01
66128 ⁻¹	17W	208/230	0.19	PSC	1/3000	CCWSE	-	-	Ball	INC	-	NEW - 7021-7833, 7021-8928, BLW01310, D965128P01

Weil Mclain

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
FB-RFB356 ⁻¹	1/12	115	2.8	SP	1/3250	CCWOSE	7.2"	3.3"	Sleeve	-	-	CG Series, 510-312-273, 381-356-499, 7021-10410
66312	1/8	115	1.80	PSC	1/3100	CWSE	-	-	Ball	INC	-	NEW - 510-312-312

*Notes:

1 - Comes with gasket

2 - Comes with gasket and 2 speed molex plug

OEM Replacement Motors



York (cont. next page)

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
82702	1/50	115	1.2	SP	1/3000	CCWSE	-	-	Sleeve	-	-	NEW - 373-10337-702, 7021-8612, S1-37310337702
FB-RFB63	1/40	208/230	0.45	SP	1/3000	CWOSE	6.3"	3.3"	Ball	-	-	Roof Top, D8SA, D9SA Com: 026-22239-700, UE771, Fasco A063, U464E, 7021-4314
66067 ¹	1/35	115	1.13	SP	1/3000	CCWSE	-	-	Ball	-	-	NEW - 326-32067-000
82999	1/30	208/230	0.64	SP	1/3200	CWSE	-	-	Sleeve	-	-	NEW - 026-33999-001
FB-RFB154 ¹	1/30	115	1.2	SP	1/3000	CCWOSE	6.0"	3.3"	Sleeve	-	-	York Furnace P4-HUA012 Mid Eff. Blower N064000 Res: York 024-27519-000, Fasco 7021-9428, Luxaire
FB-RFB165 ¹	1/25	115	0.70	PSC	1/3450	CCWOSE	6.4"	3.3"	Sleeve	4/370	-	York Furnace P3-URB High Eff. Blower Res: York 024-25960-000, Coleman 2940391P, Fasco 7062-3958, A165, Luxaire

*Notes:

1 - Comes with gasket

2 - Comes with gasket. Built-in centrifugal switch

OEM Replacement Motors



FM-RFM653



FB-RFB654



FB-RFB655



FB-RFB225



FB-RFB227

York (cont. from previous page) (cont. next page)

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
FM-RFM653 ³	1/20	230/460	1.0/1.51	SP	1/3000	CWOSE	5.9"	3.3"	Ball	-	2.3"×1/4"	York D1, D2, D3 Roof Top Unit Magnetek 653, Fasco D1174 BLW. WHL - 66-A8650
FB-RFB654 ²	1/15	230/460	1.2/1.6	SP	1/3000	CWOSE	9.75"	3.3"	Ball	-	2.3"×1/4"	D1, D2 Roof Top Unit 3.5 To 5 Ton Com: 024-24115-017, 018, 020, 713, Fasco 7162-4547 BLW. WHL - 66-A8660(4"x1"x1/4")
FB-RFB655 ²	1/15	230/460	1.0/1.51	SP	1/3000	CWOSE	11.1"	3.3"	Ball	-	2.3"×1/4"	York D3CG076N105-25D Roof Top 7.5-20 Ton Com: 024-24115-017, 018, 020, Fasco 7162-4547 BLW. WHL-66-A8665(4"x2"x5/16")
FB-RFB225	1/15	115	2.25	SP	1/3200	CCWOSE	6.50"	3.3"	Ball	-	-	A225, 7021-11577, 7021-11577S, 02434558000
FB-RFB227	1/15	115	0.7	PSC	1/3450	CCWOSE	6.65"	3.3"	Sleeve	4/370	-	7062-4708S, 024-27641-000, 17450, 7062-4708, 373-20717- 001

***Notes:**

- 1 - Comes with gaskets
- 2 - Includes blower wheels, plates, hardware, cooling disk and built in centrifugal switch
- 3 - Built-in centrifugal switch
- 4 - Includes 66-A8666 & 66-A8667 blower wheels and built in centrifugal switch

OEM Replacement Motors



FB-RFB232



FM-RFM230



FM-RFM460



FM-RFM461

York (cont. from previous page)

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
FB-RFB232 ⁻³	1/12	230	0.60	PSC	1/3200	Rev. Plug	7.0"	3.3"	Ball	4/370	2½"×¼"	York D1, D2 7.5 Ton Roof Top Unit Com: York 024-24115-714, 018 BLW. WHL - 66-A8665(4"x2"x5/16")
FM-RFM230 ⁻²	1/12	230	0.60	PSC	1/3200	Rev. Plug	7.0"	3.3"	Ball	4/370	2½"×¼"	York D1, D2 Roof Top Unit 024-24115-020, 714
FM-RFM460 ⁻²	1/10	208/230 460	0.30	PSC	1/3200	Rev	7.0"	3.3"	Ball	4/370	2½"×¼"	York D1, D2 Roof Top Unit 024-24115-012, 017, 700, 709, 713, Fasco D1171, YVFM450
FB-RFB461 ⁻⁴	1/10	460	0.30	PSC	1/3200	Rev. Plug	7.8"	3.3"	Ball	4/370	-	D1, D2, 7.5 Ton Roof Top Unit Com: 024-24115-017, 020, 713, Fasco 7162-4547 BLW. WHL - 66-A8660(4"x1"x1/4")

***Notes:**

- 1 - **DOES NOT** include 66-A8666 & 66-A8667 blower wheels and built in centrifugal switch.
- 2 - Comes with 5/16" shaft adapter. Built-in centrifugal switch
- 3 - Built-in centrifugal switch, mounting plate, blower wheel
- 4 - Built-in centrifugal switch

OEM Replacement Motors/Universal Blower Kits



Pellet Stove Gear Auger Motors

- 115 Volt • Sleeve Bearing • Single Speed • Shaded Pole • CCW Rotation

Part #	Amps	RPM	Body	Shaft	Features	Cross Reference
HM-RGM450	0.25	1.0	3.2"	1.1"×3/8"	Spade terminals, Inc.'s 6 mtm. bolts 14 Watts Out	Enviro EF001
HM-RGM451	0.19	1.0	3.0"	1"×3/8"	Spade terminals, Inc.'s 6 mtm. bolts 1.5 Watts Out	Lennox Hearth 6216, Fasco V08038AA09
HM-RGM452	1.26	2.0	3.0"	1"×3/8"	Bare wire leads, Inc.'s 6 mtm. bolts	Canadian Comfort Industries, Fasco V07926AAD9
HM-RGM454	0.73	4.0	3.2"	1.1"×3/8"	Spade terminals, Inc.'s 6 mtm. bolts 35 Watts Out	
HM-RGM651	1.00	7.0	3.25"	1"×1/2"	Bare wire leads, Inc.'s 4 mtm. bolts & 2" dia. fan blade, 50 Watt	EMC6216, Fasco V07959ABD9

Replacements For:

Avalon, Austroflamm, Breckwell, Enviro, Earth Stove, Fasco, Lennox, Merkle-Korff Ind., National Steel Crafters, Pellet Master, Travis Ind., Whitfield (Quest), Traditions & Profile Series Stoves.



HM-RGM451
illustrated



HM-RGM651
illustrated

OEM Replacement Motors - Fasco



Centrifugal Blowers

Item ID	CFM	Volts	Amps	Type	Speeds	RPM	Frame	Enclosure	Bearing	Cap	Comments
FA-50769-D230	500	230	1.6/1.0	SP	2	1525/1165	4.4"	Open	Sleeve	-	NEW - 19" Stripped Ends
FA-50755-D500	160	115	1.0	SP	1	1500	3.3"	Open	Sleeve	-	NEW - 7" Stripped Ends
FA-50752-D500	135	115	1.08	SP	1	3074	3.3"	Open	Sleeve	-	NEW - 7" Stripped Ends
FA-50747-D500	60	115	0.5	SP	1	2950	3.3"	Open	Sleeve	-	NEW - 19" Stripped Ends

Draft Inducer Blowers (cont. next page)

Item ID	HP	Volts	Amps	Type	Spd.	RPM	Frame	Bearing	Cap	Comments
FA-A151	1/90	230	0.3	SP	1	2800	3.3"	Sleeve	-	NEW - 25" Leads w/Spade Terminals
FA-A071	1/70	120	0.7	SP	1	3200	3.3"	Sleeve	-	NEW - 72" Cord
FA-A197	1/70	33-110	1	3PH	1	1500-4700	3.3"	Ball	-	NEW - 5" Leads w/Socket Terminal
FA-AIC605	1/60	120	1.0	SP	1	3000		Sleeve	-	NEW -
FA-A320	1/60	120	0.8	SP	1	3000	3.3"	Sleeve	-	NEW - 36" Leads
FA-A148	1/50	208-230	0.5	SP	1	3000	3.3"	Sleeve	-	NEW - 6.5-5.5" Leads
FA-A162	1/50	208/230	0.5	SP	1	3000	3.3"	Sleeve	-	NEW - (2) 33" & (1) 24" Leads w/Spade Terminals
FA-A164	1/50	120	0.8	SP	1	3000	3.3"	Sleeve	-	NEW - 6" Leads w/Socket Terminal
FA-A140	1/50	115	1.4	SP	1	3400	3.3"	Sleeve	-	NEW - 19" Leads w/Spade Terminals
FA-A131	1/50	115	1.1	SP	1	3000	3.3"	Sleeve	-	NEW - 11" Lead w/Socket Terminals
FA-A132	1/50	115	1.1	SP	1	3000	3.3"	Sleeve	-	NEW - 11" Lead w/Socket Terminals

OEM Replacement Motors - Fasco



Draft Inducer Blowers (cont. from previous page) (cont. next page)

Item ID	HP	Volts	Amps	Type	Spd.	RPM	Frame	Bearing	Cap	Comments
FA-A090	1/50	115	1.1	SP	1	3000	3.3"	Sleeve	-	NEW - (1) 22" & (1) 33" Lead w/Stripped Ends
FA-A143	1/50	115	0.95	SP	1	3000	3.3"	Ball	-	NEW - 6" Lead w/Pin Housing Terminal
FA-A144	1/40	208-230	0.5	SP	1	3000	3.3"	Sleeve	-	NEW - 34" Leads w/Socket Terminals
FA-A081	1/40	230	0.45	SP	1	3000	3.3"	Ball	-	NEW - 25" Leads w/Stripped Ends
FA-A269	1/35	208-230	0.58/0.60	SP	1	2500/3000	3.3"	Ball	-	NEW - 5" Leads w/Socket Terminal
FA-A150	1/35	208-230	0.5	SP	1	3480	3.3"	Ball	-	NEW - 24" Lead w/Stripped Leads
FA-A172	1/35	115	1.6	SP	1	3000	C-Frame	Ball	-	NEW - 0.25 x .032 Male Terminals
FA-A178	1/30	115	1.8	SP	1	3400	3.3"	Ball	-	NEW - 11.5" Leads w/Spade Terminals
FA-A155	1/30	115	1.4	SP	1	3000	3.3"	Ball	-	NEW - 6" Leads w/Socket Terminal
FA-A070	1/25	115	2.35	SP	1	3400	3.3"	Ball	-	NEW - 8" Leads w/ Pin Terminal Housing
FA-A213	1/25	115	2.1	SP	2	3200	3.3"	Ball	-	NEW - 7" Leads w/Socket Terminals
FA-A166	1/25	115	1.50/1.37	SP	1	3160	3.3"	Sleeve	-	NEW - 7" Leads w/Stripped Ends
FA-A134	1/25	115	1.5	SP	1	3060	3.3"	Ball	-	NEW - 23" Leads w/Pin Terminals
FA-A206	1/25	115	1.5	SP	1	3000	3.3"	Sleeve	-	NEW - 55" Leads w/(1) Spade Terminal & (1) Stripped End

OEM Replacement Motors - Fasco



Draft Inducer Blowers (cont. from previous page) (cont. next page)

Item ID	HP	Volts	Amps	Type	Spd.	RPM	Frame	Bearing	Cap	Comments
FA-A196	1/25	115	1.35	SP	1	3200	3.3"	Sleeve	-	NEW - (1) 6" Lead w/Pin Housing Terminal & 1 10" Lead w/Spade Terminal
FA-A169	1/25	230	0.75	SP	1	3060	3.3"	Sleeve	-	NEW - 13" Leads w/Spade terminals
FA-A165	1/25	115	0.7	PSC	1	3450	3.3"	Ball	INC	NEW - 8" Leads w/Pin Terminal Housing
FA-A171	1/25	115	0.7	PSC	1	3450	3.3"	Ball	INC	NEW - 7" Leads w/Spade terminals
FA-A227	1/25	115	0.7	PSC	1	3450	3.3"	Sleeve	INC	NEW - 8" Leads w/Socket Terminal
FA-AIC18219M	1/24	115	1.8	SP	1	3200	-	Ball	-	NEW -
FA-A130	1/20	115	0.71	PSC	1	3450	3.3"	Sleeve	-	NEW - (1) 6" Lead w/Amp Pin Housing Terminal & (1) 5" Lead w/ Amp Terminal Pin
FA-A168	1/20	115	7	PSC	1	3450	3.3"	Ball	INC	NEW - 43" Leads w/Spade terminals
FA-B45230	1/20	230	1.4/1.2	SP	2	1600	3.3"	Sleeve	-	NEW - 20-18" Leads w/Strip
FA-AIC501	1/20	115	2.8	SP	1	3000	3.3"	Ball	-	NEW -
FA-A067	1/20	115	2.6	SP	1	3000	C-Frame	Ball	-	NEW - 20" Leads Spade Terminals
FA-A204	1/20	115	1.8	SP	1	3400	3.3"	Ball	-	NEW - 7" Leads w/Socket Terminals
FA-A163	1/20	115	1.8	SP	1	3300	3.3"	Ball	-	NEW - 7" Leads w/Socket Terminals
FA-A209	1/20	115	0.8	PSC	2	3200/2800	3.3"	Ball	INC	NEW - 7" Leads w/Socket Terminals
FA-A136	1/20	115	0.75	PSC	1	3450	3.3"	Ball	-	NEW - 10" Lead w/Socket Terminals

OEM Replacement Motors - Fasco



Draft Inducer Blowers (cont. from previous page) (cont. next page)

Item ID	HP	Volts	Amps	Type	Spd.	RPM	Frame	Bearing	Cap	Comments
FA-A205	1/20	120	0.7	SP	1	3000	3.3"	Sleeve	-	NEW - 37" Leads w/(1) Spade Terminal & (1) Stripped End
FA-A173	1/18	115	0.8	PSC	1	3450	3.3"	Ball	5/370	NEW - 34" Lead w/Flag Terminal
FA-A217	1/16	230	0.83	SP	1	3000	3.3"	Ball	-	NEW - 15" Leads w/Spade Terminals
FA-A195	1/16	115	1.75	SP	1	3400	3.3"	Ball	-	NEW - (1) 6" Lead w/Pin Housing Terminal & 1 10" Lead w/Spade Terminal
FA-A124	1/15	115	1.75	SP	1	3450	3.3"	Sleeve	-	NEW - 13" Leads w/Socket Terminals
FA-A211	1/15	115	2.35	SP	1	3400	3.3"	Ball	-	NEW - 7" Leads w/Socket Terminals
FA-A225	1/15	115	2.25	SP	1	3200	3.3"	Ball	-	NEW - 8" Leads w/Socket Terminal
FA-A270	1/15	208-230	0.42/0.50	PSC	2	3350/2800	3.3"	Ball	INC	NEW - 8.5" Leads w/Pin Terminal Housing
FA-A330	1/12	208-230	0.55	PSC	1	3200	3.3"	Ball	INC	NEW - 21-19" Leads w/Pin Terminals, 7-5" Leads w/F Flag Terminals
FA-A234	1/12	208-230	0.5	PSC	1	3200	3.3"	Ball	INC	NEW - 33" Leads w/Spade Terminals
FA-A078	-	230	1.4	SP	1	3000	C-Frame	Sleeve	-	NEW - 37" Leads w/Spade Terminals
FA-A077	-	120	2.8	SP	1	3000	C-Frame	Sleeve	-	NEW - 12" Leads w/ 1 Male AMP & 1 Female AMP Terminals
FA-A248	-	120	1.2	SP	1	3250	C-Frame	Sleeve	-	NEW - 8" Leads w/Pin Terminal Housing
FA-A277	-	120	0.60/0.36	PSC	2	3300/2600	3.3"	Ball	INC	NEW - 8" Leads w/Pin Terminal Housing
FA-A253	-	120	0.24/0.13	PSC	2	3300/2200	3.3"	Ball	INC	NEW - 8" Leads w/Pin Terminal Housing

OEM Replacement Motors - Fasco



Draft Inducer Blowers (cont. from previous page)

Item ID	HP	Volts	Amps	Type	Spd.	RPM	Frame	Bearing	Cap	Comments
FA-A235	-	115	2.63	SP	1	3000	C-Frame	Sleeve	-	NEW - 7" Leads w/Spade Terminals
FA-A249	-	115	2.35	SP	1	3400	3.3"	Ball	-	NEW - 8" Leads w/Pin Terminal Housing
FA-A252	-	115	0.65/0.30	PSC	2	3200/2800	3.3"	Ball	INC	NEW - 8" Leads w/Pin Terminal Housing
FA-A236	-	115	0.58/0.27	PSC	2	3300/2700	3.3"	Ball	INC	NEW - 8" Leads w/Pin Terminal Housing
FA-A238	-	115	1.2	SP	1	2750	C-Frame	Sleeve	-	NEW - Male AMP Terminals
FA-A239	-	115	0.75	SP	1	2750	C-Frame	Sleeve	-	NEW - Male AMP Terminals
FA-A074	-	115	0.5	PSC	2	3300	3.3"	Ball	INC	NEW - 8" Leads w/ Pin Terminal Housing
FA-A076	-	115	0.5	PSC	2	3200/2000	3.3"	Ball	INC	NEW - 16" Leads w/ Pin Terminal Housing

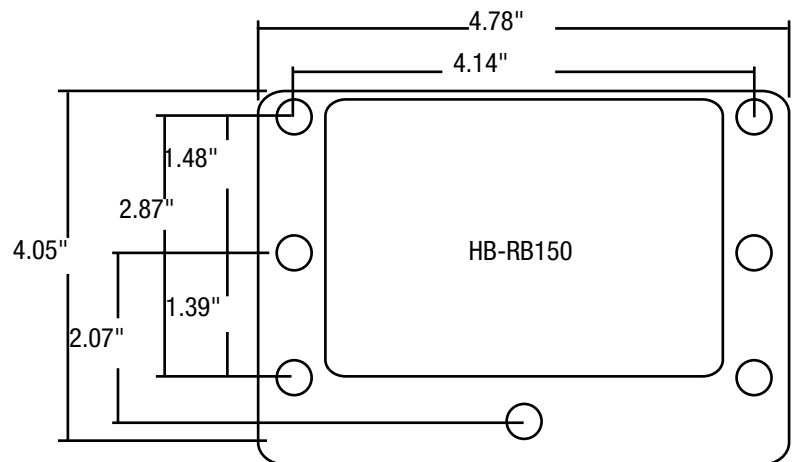
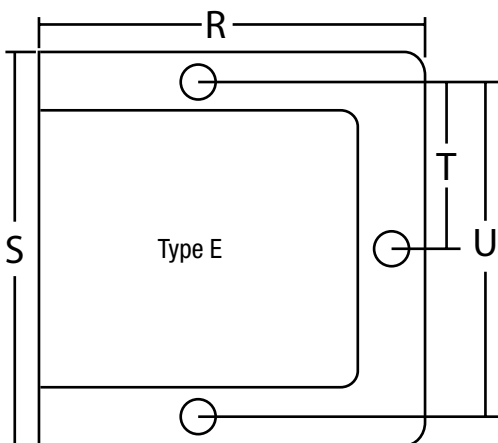
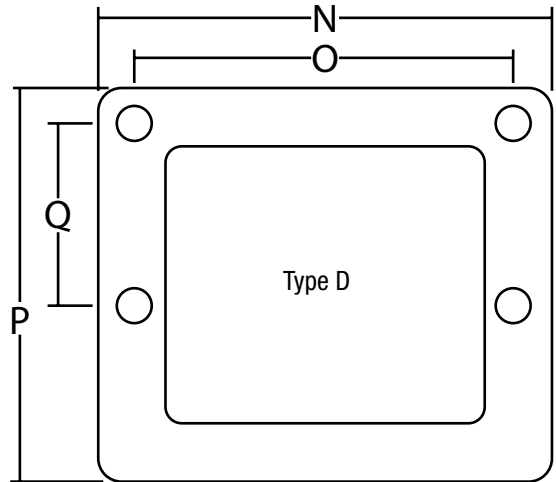
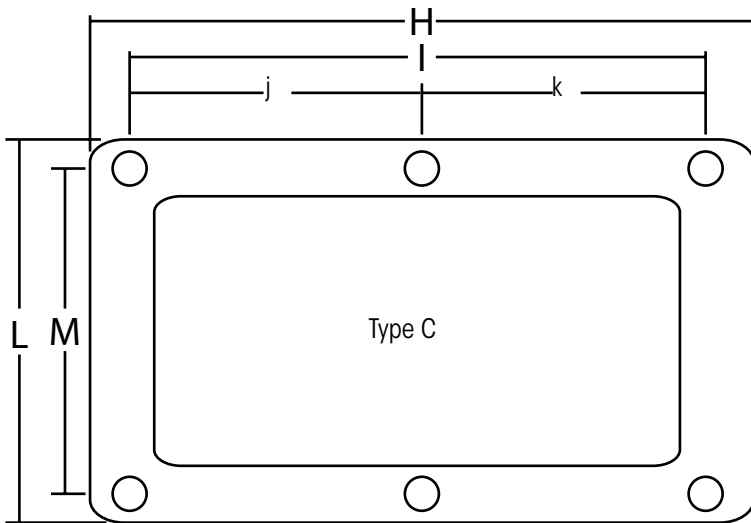
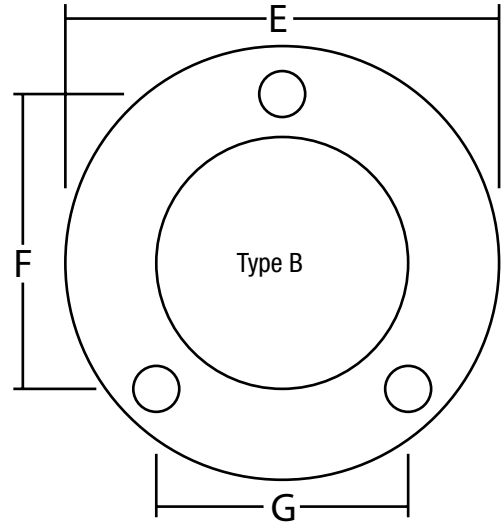
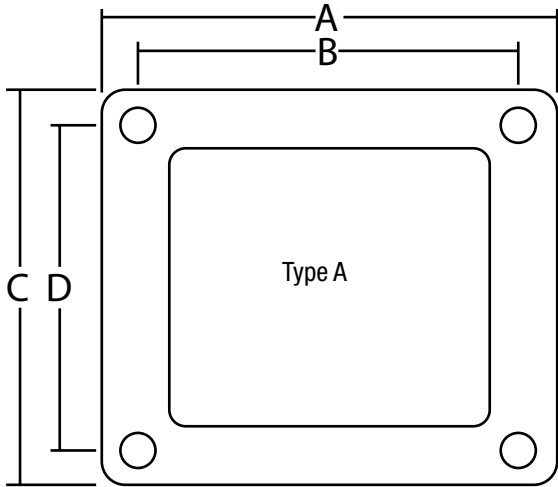
Blower Flange Dimensions



Part #	Type A				Type B			Type C							Type D				Type E			
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	
R7-RB3	4.60"	3.90"	3.50"	2.80"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R7-RB33	3.00"	2.30"	3.00"	2.30"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R7-RB34	4.5"	3.45"	4.0"	2.85"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R7-RB60	-	-	-	-	3.3"	2.77"	2.95"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R7-RB70	4.0"	3.38"	3.5"	2.88"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R7-RB120	-	-	-	-	4.0"	2.81"	2.33"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R7-RB141	-	-	-	-	-	-	-	-	-	-	-	-	-	5.13"	4.11"	4.00"	1.50"	-	-	-	-	
R7-RB142	-	-	-	-	-	-	-	-	-	-	-	-	-	5.13"	4.11"	4.00"	1.50"	-	-	-	-	
R7-RB155	4.0"	3.8"	4.0"	3.3"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R7-RB165	3.5"	2.9"	3.9"	3.37"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R7-RB265	5.5"	4.85"	5.0"	4.4"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R7-RB350	5.3"	4.7"	5.6"	5.0"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R7-RB440	-	-	-	-	4.04"	2.81"	2.38"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R7-RB445	6.6"	6.0"	5.7"	5.0"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R7-RB446	4.61"	3.96"	3.52"	2.87"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R7-RB447	6.6"	6.0"	5.7"	5.0"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R7-RB465	-	-	-	-	-	-	-	9.43"	8.8"	4.4"	4.4"	5.0"	4.4"	-	-	-	-	-	-	-	-	
R7-RB495	6.6"	6.0"	5.6"	5.0"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R7-RB500	6.6"	6.0"	5.6"	5.0"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R7-RB661	-	-	-	-	3.3"	2.77"	2.36"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R7-RB665	-	-	-	-	3.3"	4.00"	2.33"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
R7-RB760	-	-	-	-	-	-	-	9.33"	8.8"	4.4"	4.4"	5.63"	5.06"	-	-	-	-	-	-	-	-	
R7-RB938	-	-	-	-	-	-	-	-	-	-	-	-	-	4.75"	4.12"	4.75"	1.50"	-	-	-	-	
R7-RB991	3.00"	2.00"	3.00"	2.00"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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Blower Flange Dimensions



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06-GWH34	28	43782	71	6-2763L	12	640-FD2S	32
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12-POP3	59	43784	71	6-3050L	12	640-FSK3	32
12-POP5	59	43785	71	6-3060L	12	65118	83
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25-90360	43	48332	87	6-M3030	13	66311	94
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