ALLTEMP

HEATING CATALOGUE

Ductless Mini Split Stands

QUICK-SLING

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

QSMS1201
Illustrated

The Quick-Sling® QSMS1201 is a 12 in. high, wide width mini-split stand that provides a safe, stable platform for mounting ductless condensers. It keeps the unit elevated above lawn mowers, weed trimmers, pets, snow and flooding. These stands come in three convenient depths (thin, wide and extra wide).

Product Features & Benefits:

- Made from strong 14-gauge square tubing capable of supporting up to 400 lbs.
- Powder coated finish for outdoor use
- Comes partially assembled to save time and labor
- QSMS stands are available in three heights: 12in., 18 in., 24 in.
- Available in thin, wide, and extra wide versions of each height to provide a perfect equipment fit
- Each 6 in. x 6 in. foot is made from 14 gauge steel and is adjustable up to 1.25 in. in height
- 50 Durometer rubber pads are pre-installed on each foot to reduce vibration and noise
- All necessary hardware, including anti-vibration isolation washers, is provided
- Each stand comes with "hat channel" mounting arms which add strength and dissipate sound and vibration

Item ID	Description
QSMS1801	Mini-Split Stand Wide - 18", Power Coated Steel

QSMS1801
lustrated

The Quick-Sling® QSMS1801 is a 18 in. (height), wide width mini-split stand that provides a safe, stable platform for mounting ductless condensers. It keeps the unit elevated above lawn mowers, weed trimmers, pets, snow and flooding. These stands come in three convenient depths (thin, wide and extra wide).

Product Features & Benefits:

- Made from strong 14-gauge square tubing capable of supporting up to 400 lbs.
- Powder coated finish for outdoor use
- Comes partially assembled to save time and labor
- QSMS stands are available in three heights: 12in., 18 in., 24 in.
- Available in thin, wide, and extra wide versions of each height to provide a perfect equipment fit
- Each 6 in. x 6 in. foot is made from 14 gauge steel and is adjustable up to 1.25 in. in height
- 50 Durometer rubber pads are pre-installed on each foot to reduce vibration and noise
- All necessary hardware, including anti-vibration isolation washers, is provided
- Each stand comes with "hat channel" mounting arms which add strength and dissipate sound and vibration

Swivel Brackets

QUICK-SLING

Unit Heater Swivel Brackets

The Quick-Sling® line of unit heater swivel brackets ore 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 adopt 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

DIVERSITECH

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

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.

61-S210-25
Illustrated

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.

61-S221
Illustrated

61-S220
Illustrated

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™

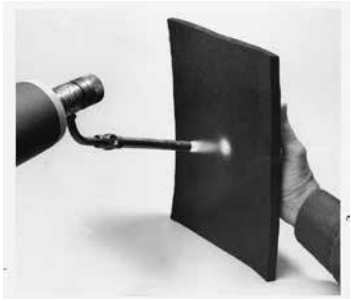
The Insurance Pad is the ultimate heat shield. Use wet or dry where ever higher temperature protection is required, up to 2500°F. The Insurance Pad is a fibrous felt heat shield with the safest specs in the industry. Repeated use of the product actually increases its heat resistance.

Applications

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

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

Heat Resistant to 2500°F



Helping You Select the Right Condensate Management System

Asurity™

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

PUMPS • SWITCHES • TREATMENTS • DRAIN PANS

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

Asurity

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

Asurity™

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
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-120
Illustrated

Ductless Condensate Pumps

Asurity

Low Profile Specialty Condensate Pumps
Standard Applications

CP-22LP
Illustrated

- 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

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

CP-22LP-P
Illustrated

Pro Condensate Pumps
Standard Applications

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

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

PROCP-16
Illustrated

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

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

Asurity

Ductless Condensate Pumps Sandard 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

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

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

Ductless Condensate Pumps

Asurity

ULTRAIQP Series Condensate Pumps

- Translucent Tank for Easy & Fast Inspection
- Intelligent variable speed adjusts motor speed to water flow for quiet operation
- Self-cleaning feature detects when a drain line is partially or fully clogged
- Built-in safety overflow switch
- Handles Condensate up to 160° F

Item ID	Description
ULTRAIQP	Condensate Pump, 120V, 60Hz, 22' Lift
ULTRAIQP-230	Condensate Pump, 230V, 60Hz, 22' Lift
ULTRAIQP-T	Condensate Pump, 120V with tubing, 60Hz, 22' Lift
ULTRAIQP-T-230	Condensate Pump, 230V with tubing, 60Hz, 22' Lift

ULTRAIQP
Illustrated

Switches

Asurity

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

Connected Flood Detector

The Asurity® WS-1C Wet Switch® Connected Flood Detector is a smart wi-fi enabled switch that communicates via text or email that the switch has been tripped alerting owners to a potential problem. The Connected Wet Switch is designed to prevent flooding leading to damage to flooring and ceilings. It turns the system off when detecting moisture due to condensate or drain leaks and includes a built-in test and reset button. One or two drops is all it takes to turn system off, immediately sending a text or email alert to the homeowner or service person about potential moisture problems.

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

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

ws-1c
Illustrated

Item ID	Description	
BG-110	Latching Secondary Pan Float Switch	
BG-301+T	Latching Float Switch	Plenum Rated
BG-302P+T	Latching Float Switch with Trane Adapter	Plenum Rated
BG-402	Latching Float Switch	

BG-110
Illustrated

Item ID	Description	
LD-1	Leak detector	Plenum Rated

LD-1
Illustrated

Switches

Asurity

- Flood Switch
- Inline Switches
- Primary Drain Pan 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

Asurity

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

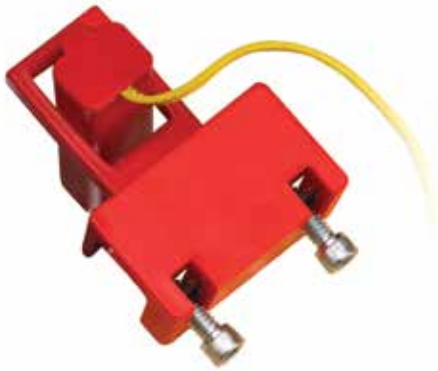
Item ID	Description
CS-3	Drain Pan Clip Switch
CS-3-BULK50	Drain Pan Clip Switch (Bulk)

Switches

Asurity™

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

Asurity

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

U Trap | Cleaning Brush | Float Switch

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

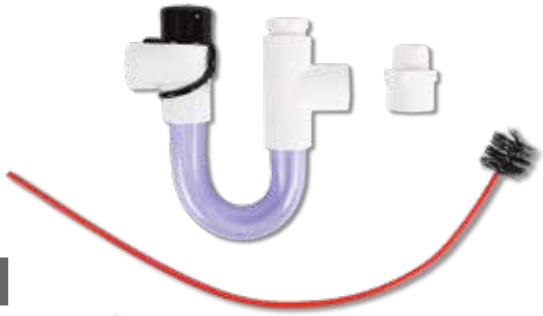
Installation Components

Asurity™

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

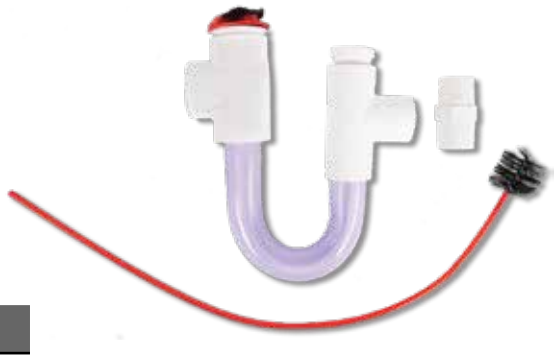
Item ID	Description
DTK207	3/4 in. Std.w/Float+ Drain Trap Kit

Installation Components

Asurity

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

3/4 inch Drain Trap Kit with CS-2 Safety Switch and Brush (1 inch Drop)

The Asurity® DTK626 3/4 inch Clear U Drain Trap Kit includes a CS-2 Pipe-Mounted Elbow Switch and Brush 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 inch U trap with a 1 inch drop, a 3/4 inch adapter, CS-2 Safety Switch and a cleaning brush.

- Clear PVC trap provides easy visibility of condensate flow and blockages
- Tough, durable, schedule 40 PVC fittings for years of reliability
- Multiple cleanouts for easy maintenance
- 3/4 in. CS-2 Float Switch protects against condensate overflow
- Includes cleaning brush for easy removal of drain trap debris
- Tough, durable, schedule 40 PVC fittings for years of reliability

Item ID	Description
DTK626	3/4 Inch Drain Trap Kit with CS-2 Safety Switch & Brush (1 inch drop)

DTK626
Illustrated

Universal Alarm

The Asurity® UA-1 Universal Alarm is a low-voltage alarm that can indicate possible system trouble. Use with a Wet Switch, CC-1, or any Asurity condensate pumps and float switches on 24VAC control circuits. If an alarm condition occurs, the homeowner can turn the alarm off with a silence button until system service can be performed, however a red LED alarm light remains lit to indicate that a fault condition exists. Features include easy 2 wire connection, label to print contractor information, and low current draw. Actuates at greater than 18V to prevent any false alarms due to low voltage.

- UA-1 derives power from the HVAC control circuit thus doesn't require a separate power source.
- Can be connected across normally closed switches such as those found in condensate pumps and condensate overflow switches found in typical residential HVAC systems.
- The Universal Alarm may be operated on “phantom” current provided by typical HVAC contactor coils. This allows the alarm to be wired in parallel with existing condensate pump shut off circuits not equipped for alarm contacts.
- The alarm is provided with 2 wire nuts, a sheet metal screw, and double-sided tape for convenient installation options.
- The alarm is provided with 2 wire nuts, a sheet metal screw, and double-sided tape for convenient installation options.
- Tough, durable, schedule 40 PVC fittings for years of reliability

Item ID	Description
UA-1	Universal Alarm

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® CO^2 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

Drain Line Tubing

DIVERSITECH

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
7-10	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

Coil Cleaners

MasterCare

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

TRIPLE-D-AER Illustrated

TRIPLE-D-1SHOT Illustrated

TRIPLE-D Illustrated

TRIPLE-D-4X Illustrated

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

PRO-GREEN-AER Illustrated

PRO-GREEN-1SHOT Illustrated

PRO-GREEN Illustrated

PRO-GREEN-4X Illustrated

Coil Cleaners

Master Care

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-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-BLUE-AER Illustrated

PRO-BLUE Illustrated

PRO-BLUE-4X Illustrated

PRO-BLUE-1SHOT Illustrated

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-1SHOT	Coil Cleaner, Pro-Red 1 Shot 4oz
PRO-RED-4X	Coil Cleaner, Pro-Red, 4x Concentrated 32oz

PRO-RED-1SHOT Illustrated

PRO-RED-4X Illustrated

PRO-RED+ Illustrated

Coil Cleaners

MasterCare

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

Item ID	Description
PRO-YELLOW	Pro-Yellow™ (non-toxic) – 1 gallon container

PRO-YELLOW Illustrated

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

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

PRO-BROWN Illustrated

Leak Detection

DIVERSITECH

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

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-FGV34	3/4" FNPT × 3/4" FNPT
-	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

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

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

Water Valves

Brass WIded Ball Valves

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

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

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 it's 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" × 2" × 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 Tapeis 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" × 2" × 30' Roll

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" × 25' Cord
84-PS-30	2 lb. Slug
84-PS30-B	50 lb. Bulk Slug

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

Note: * 5" Pulley is solid.

67-660
Illustrated

Variable Speed Pulleys

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

67-4336-1
Illustrated

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

67-4036-2
Oil Type Illustrated

67-4136-2
Sealed Type Illustrated

Bearings & Sleeves

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

67-4136-B
Illustrated

67-4136-R
Illustrated

Thrust Collar Packs

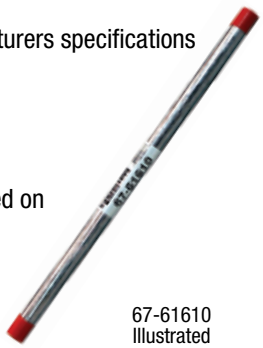
Item ID	Description
67-2164	2) 5/8" collars & washers
67-2165	(2) 3/4" collars & washers

67-2165
Illustrated

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



67-61610
Illustrated

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!

Foot Mount

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

34-20241

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

34-50243

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

34-75241

34-10244

Transformers

Packard

Class II Foot Mount Transformers

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

PF12416

PF24200

34-40245

34-40244

PF40115

PF113

PF12406

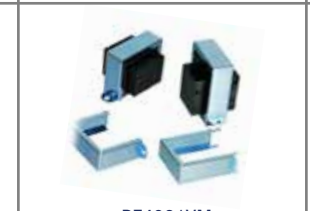
PF40224

PF22440

PF137

PF90501

PF105


PF4031VM

PF42440

PF40310EM

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

Packard

Class II Foot Mount Transformers

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

PF32440

PF27440

PF12450-

PF85602

PF40350

PF42450

PF52460

PF52475F

PF52475

34-75254

PF524100

34-75244

Item ID	Primary Voltage	VA Rating	Secondary Rating	Mounting Option	Connection	Cross Reference
PF27440	277	40	24	Foot	Wire Lead	Jard 40271F
PF85602	120	50	24	Foot	Wire Lead	46-102856-02
PF40350	120/208/240	50	24	Foot	Wire Lead	Jard 5031F
PF12450[-2]	120	50	24	Foot	Wire Lead	Rheem 46-102856-02
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
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
PF52475F[-1]	120/208/240/480	75	24	Foot	Wire Lead	Jard 7541M, UET 175
PF524100[-3]	120/208/240/480	100	24	Foot	Wire Lead	Jard 10041C

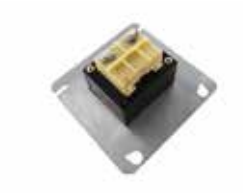
Notes: [-1] Built-in fuse included. [-2] Includes an Internal 2.5 Amp, 250V, Slow Blow Fuse. [-3] Equipped with a circuit breaker.

Transformers

Packard

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


PM12040

34-40241

34-48003

PM43450

PM10048P

PM32440

PM43440

PM44450

PM42440

PM7541MCB

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
34-40243	120/208/240	40	24	Multi	Screw	Jard 4031M
34-48003	120/208/240	48	24/12/2.5	Multi	Wire Lead	Universal Replacement
PM43450	120/208/240	50	24/12/2.5	Multi	Wire Lead	Jard 5032M
PM10048P	208/240/480	100	24/120	Multi	Wire Lead	Jard 10048P
PM32440	208/240	40	24	Multi	Wire Lead	34-40242
PM43440	120/208/240	40	24/12/2.5	Multi	Screw	UET 111
PM44450[-1]	120/208/240	50	24	Multi	Wire Lead/Term.	Jard 5031M, UET 150
PM7541MCB[-3]	120/208/240/480	75	24	Multi	Wire Lead	Jard 7541MCB

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

Definite Purpose Magnetic Contactors

LINE

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 240V	480V	600V	Resistive Amps.	Termination	Furnas #
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
DP-1P40A120	1.5	40	120	240	200	160	50		45GG10AFAL, 45FG10AFA, 45GG10AFA
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

LINE

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 240V	480V	600V	Resistive Amps.	Termination	Furnas #
DP-3P25A120	3	25	120	150	125	100	35	Box Lug	-
DP-3P30A24	3	30	24	180	150	120	40	Box Lug	42BF35AJ
DP-3P30A120	3	30	120	180	150	120	40		42BF35AF
DP-3P30A240	3	30	208/240	180	150	120	40		42BF35AG
DP-3P40A24	3	40	24	240	200	160	50	Box Lug	42CF35AJ
DP-3P40A120	3	40	120	240	200	160	50		42CF35AF
DP-3P40A240	3	40	208/240	240	200	160	50		42CF35AG
DP-3P50A24	3	50	24	300	250	200	65	Box Lug	42DF35AJ
DP-3P50A120	3	50	120	300	250	200	65		42DF35AF
DP-3P50A240	3	50	208/240	300	250	200	65		42DF35AG
DP-3P60A24	3	60	24	360	300	240	75	Box Lug	42EF35AJ
DP-3P60A120	3	60	120	360	300	240	75		42EF35AF
DP-3P60A240	3	60	208/240	360	300	240	75		42EF35AG
DP-3P75A24	3	75	24	450	375	300	90	Box Lug	42FE35AJ106
DP-3P75A120	3	75	120	450	375	300	90		42FE35AF106
DP-3P75A240	3	75	208/240	450	375	300	90		42FE35AG106
DP-3P90A120	3	90	120	540	450	360	120	Box Lug	42GE35AF106
DP-3P90A240	3	90	208/240	540	450	360	120		42GE35AG106

Definite Purpose Magnetic Contactors

LINE

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 240V	480V	600V	Resistive Amps.	Termination	Furnas #
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

Auxiliary Switches

LINE

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

DP-AS4N

DP-AS5N

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

DP-AS1

DP-AS2

DP-AS3

DP-AS4

DP-AS7

DP-AS9

DP-AS10

Switch Size	Item ID	Cont. Amps	Voltage Rating	Description	Connection
3 Pole, 20-60 Amp 4 Pole 30-60 Amp	DP-AS1	10	600	SPST, N.O.	Quick
	DP-AS2	10	600	SPST, N.C.	Quick
	DP-AS3	10	600	2 x SPST, N.O. & N.C.	Quick
	DP-AS4	10	600	SPST, N.O.	Screw
	DP-AS7	10	300	SPDT, N.O. & N.C.	Quick
3 Pole, 75-90 Amp	DP-AS9	10	300	SPDT, N.O. & N.C.	Quick
3 Pole, 50-60 Amp	DP-AS10	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	3.5	4
120	**25-90291**	**25-90294**	2,000	29		
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	4	4
120	**25-90362**	**25-90372**	**25-90382**	2,000	33		
240	-	**25-90374**	**25-90384**	7,200	17		

*Isolated Contacts

Contact Rating

VAC	Amps	FLA	LRA	Inductive Amps	Resistive Amps
125VAC	25	14	84	14 Amp Continuous	25 Amp Continuous @ 277 VAC
250VAC		8	48	8 Amp Continuous	
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" × 1.88" × 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	Cross Reference Honeywell	Cross Reference Mars
24	**25-90340**	Power	Power	15	334	8	21.5	90-340	R4222B1082	90340
120	**25-90341**			400	66			90-341	R4222B1090	90341
240	**25-90342**			1415	38			90-342	R4222D1013	90342

Contact Rating

VAC	Amps General Use	HP	LRA	FLA
125V	15	3/4	82.8	13.8
208V			45.6	7.6
250V			41.4	6.9
277V		-	36.0	6.0

Heat Sequencers

LINE

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 circuts 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 (cont. next page)

Features

- 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	• Teflon insulated (250°C rating) lead wire. • Used on these Bryant & Carrier models: 355MAV, 345MAV, 340MAV, 350MAV, 373LAV, 58MXA, 58MVP, and 58MCA	Carrier 340MAV Carrier 345MAV Carrier 350MAV Carrier 355MAV Carrier LH33WZ514 Carrier LH33WZ516 Carrier LH680013
PFS014	• 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	6-62442-18179-4 Carrier LH680012 Carrier LH33WZ511 Carrier LH680014 Carrier LH33WZ515
PFS401	• 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	• Single rod. • 1/4" male connection. • Overall length 3-3/4" • Probe length 2-1/2" • Single screw. • Plated steel mounting bracket.	Goodman/Amana/Janitrol 20488501 B1172606 Goodman 0130F00010
FA-AIC71075	• Single rod. • Single screw. • Probe length 2" • 18 1/2" lead length. • Female connection.	GSW 71075
PFS027	• Termination 1/4" male quick connect. • Single screw. • Plated steel mounting bracket.	ICP/Heil Quaker 1172827 90 Degree. Single screw, plated steel mounting bracket. Termination 1/4" male quick connect.
PFS802	• Single screw, plated steel mounting bracket. • Single rod. • 1/4 inch male connection. • Probe length 3 inch.	ICP 1380687 York 025-27773-700
PFS029	• Single screw, plated steel mounting bracket. • Termination 1/4" male quick connect.	Lennox 52W29
FA-AIC54301	Flame Sensor	

Flame Sensors

Item ID	Description	Replacement	
PFS043	• 90 Degree. • Single screw, plated steel mounting bracket. • Terminaton 1/4" male quick connect.	Lennox 69W43	
PFS087	• Single screw, plate steel mounting bracket. • Termination 1/4" male quick connect.	Lennox 98M87	
PFS214	• 90 Degree. • Termination 1/4" male quick connect.	Lennox 51M14	
PFS097	• 90 Degree • Single screw, plated steel mounting bracket. • Termination 1/4" male quick connect.	Lennox/Ducane 28M97	
PFS081	• 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	• 90 Degree. • Length - moutning 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-(	
PFS114	• 75 Degree. • Single screw, plated steel mounting bracket. • Termination 1/4" male quick connect.	Trane SEN01114	
FA-AICPSEHW1	• Single rod. • Single screw. • 3" probe length. • 30" lead length. • Female connection.	White Rodgers 760-401	
PFS053	• Single screw plated steel moutning bracket. • Single rod • 1/4" male connection	York S1-SCP-9007053	
PFS700	• 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	

Silicon Nitride Hot Surfer Igniters

Features

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

Item ID	Description	Replacement			
IG80V	• 80 Volt/120 watts • Universal Round Nitride Igniter Kit	Amana 11111701 HS100117A Trane B340970P01 Trane IGN00104 Trane IGN033 CAR768A845 Lennox 41K5601	Trane IGN00033 Trane IGN00117 Trane IGN059 CARIGN00117 Thermo Products 768A-143 Trane IGN00059 Trane IGN014		
IG1000N	• 120 Volt • Universal round glo-stix	HoneywellQ3200U1000$ Norton 201D Norton 201L Norton 201R Norton 271 Norton 271N Norton 271Q	Honeywell Q3200U1000$ Norton 201J Norton 201M Norton 201W Norton 271D Norton 271NM Norton 271Y	Norton 201 Norton 201K Norton 201N Norton 201Y Norton 271M Norton 271P	
IG1100N	• Universal Round Nitride Igniter Kit • Durable Silicon Nitride Element	IGN-2-6P			
IG4000N	• Universal Replacement for numerous OEM Models • Durable Silicon Nitride Element	IGN-1R			
IG1401N	• Gasket included • 5.5" Leads with connector • 120 Volt	Amana 10041601 Starlite 11120-100-1401 Amanda D99182 Trianco-Heatermaker 2600-359 Amana B1336102			
IG0004N	• 120 Volt	Carrier			
IG1409N	• 5.5" Leads with connector • 120 Volt	Carrier LH33ZS001 Carrier LH33ZS004 Synder General 1380680 Carrier LH33ZS002 Duncane 20015201	Trane IGN26 Carrier LH33ZS003 Synder General 1380672 Weil McLain 511-330-139		
IG1402N	• 19" Leads with wire nuts • 120 Volt	Amana 10755002 DMO 20834/26789 Rheem 62-22441-01 Armstrong 38322B001 Dornback 271W	Trane 340039P01, IGN23 Clare C-238/C-242 Goodman B11726-06 Williamson 09050		

Silicon Nitride Igniters

Item ID	Description	Replacement	
IG1412N	• 5.5" Leads with connector • 120 Volt	Goodman B1401009 Norton 271NM Heil Quaker 1009604 ICP 1009604	
IG1414N	• 5.5" Leads with connector • Includes brackets and wire nuts • 120 Volts	767A-384 Norton MB457025 Norton 271NM Goodman B14010-15S	
IG9500	• 24 Volts	Honeywell Q3450	
IG0001	• Includes mini igniter, flat mounting plate, screw, instruction sheet and adapter harness; Manufactured using silicon nitride • 120 Volt	Goodman 023K00000S Goodman B1401015S Goodman B1401018S	
IG1408N	• 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	• Includes bracket & connector • 120 Volt	Norton 271N Rheem 62-22868-82	
IG00145N	• 80 Volt • Round, Silicon Nitride design	Trane IGN00104	
IG00152N	•120 Volt • Round, Silicon Nitride design	Trane IGN00146	
IG1403N	• 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	• 5.5" Leads with connector • 120 Volt	Amana B144676P01 Trane B144676P01	
IG3033N	• Durable Silicon Nitride Element • Replacement for numerous Trane Models	Trane	
IG1405N	• 5.5" Leads with wire nuts • 120 Volt	Heil Quaker 1001344 York 025-29043-000 York 025-27766-00 York 025-27774-000	

Surface Igniters

FA-DS010
Illustrated

Trane Replacement KIT03033 Roof Top Replacement Igniter

Surface Igniter DS010KX TRANE HVAC Replacement igniter is made of the same materials and specifications as the OEM requires. The igniter is CSA-approved RoHS and Reach Complaint; It comes with the Prop 65 Warning. The DS010KX Replacement Igniter | IG3033 |KIT3033 |IGN 00051 | IGN51 | IGN00052 | IGN52 | IGN00053 | IGN53 | KIT02863 | KIT02864 | KIT2864 | KIT02865 | KIT 2865 | KIT03033 |Fits specific Trane Package Roof Top Units, many models beginning with YCD15, YCD17, and YCD18. The DS010KX Igniter has 5" Wire Leads with Plug and wire nuts included. The clip, mounting screws, and installation instructions are also included. Before you begin this repair, disconnect the power source from the HVAC unit and shut off the gas supply.

FA-DS402
Illustrated

41-402 Replacement Igniter

HVAC 41-402 REPL. IGNITER KIT

FA-DS405
Illustrated

Surface Igniter's DS405KX Igniter for Furnace – Universal Furnace Ignitor Replacement for 41-405, 025-27774-000, 201D

HVAC 41-405 REPL. IGNITER KIT

Surface Igniters

DS001KX Universal Igniter IG4000

Universal Flat Igniter Kit

FA-DS001
Illustrated

41-408 Replacement Igniter for Rheem 62-22868-92 Trane B340039P01

HVAC 41-408 REPL. IGNITER KIT

FA-DS408
Illustrated

Hot Surface Furnace Igniter

HVAC 41-411 REPL. IGNITER KIT

FA-DS411
Illustrated

Hot Surface Furnace Igniter

HVAC 41-418 REPL. IGNITER KIT

FA-DS418
Illustrated

Surface Igniter FC047KX HVAC Furnace Ignitor Replacement

NORDYNE REPL. HVAC IGNITER KIT

FA-FC047
Illustrated

FC067KX Spiral Furnace igniter Replacement

UNIVERSAL SPIRAL IGNITER KIT

FA-FC067
Illustrated

MM643KX Q3400A Smart Valve Replacement Igniter

HONEYWELL REPL. IGNITER KIT

FA-XSLURK24
Illustrated

Hot Surface Igniters

IGNITER NITRIDE ROUND;120V UNIVERSAL

FA-AICHSIURK120
Illustrated

Silicon Carbide Igniters

Item ID	Description	Replacement		
IG1401	• Gasket included • 5.5" Leads with connector • 120 Volt	Amana 10041601 Starlite 11120-100-1401 Amanda B1336102 Trianco-Heatermaker 2600- 359 Amanda D99182		
IG1409	• 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	• Round Igniter Replaces Clare C238-1			
IG1121	• 5.5" Leads with connector • Moutning bracket included • 120 Volt	Goodman B1401015 Modine 5H075032B		
IG1412	• 5.5" Leads with connector • 120 Volt	Goodman B1401009 Norton 271NM Heil Quaker 1009604 ICP 1009604		
IG1414	• 5.5" Leads with connector • Includes brackets and wire nuts • 120 Volt	767A-384 Norton MB457025 Goodman B14010-15S Norton 271NM		
FA-0230K00001	• Includes conversion late and adapter plug	Goodman 0120K00001		
FA-DS015	• 25” leads with sleeving, complete with harness, shield attached	GSW 63994		

Silicon Carbide Igniters

Item ID	Description	Replacement	
IG-1106	• Hot Surface Igniters • Attached shield • 20" leads with sleeving and connector	GSW/John Woods/Giant Water Heater - 86483, 71082, 5260001425 Norton - 271R	
IG2300	• 24" Leads with 1/4" quick connects • Gasket included • 120 Volt	Laars RW2002300	
IG0286	• 5.5" Leads with connector • Gasket included • 120 Volt	Laars 2400-286	
IG1114	• 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	• 5" Leads with connector • 120 Volt	Norton 271M Weil McLain MB478265 Rheem 1096048 White Rodgers 767A382 Robertshaw 41-404	
IG1411	• Includes brackets & connector • 120 Volt	Norton 271N Rheem 62-22868-82	
FA-DS014	• 15" leads, complete with harness, shield attached	Rheem AP12553	
IG1403	• 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	

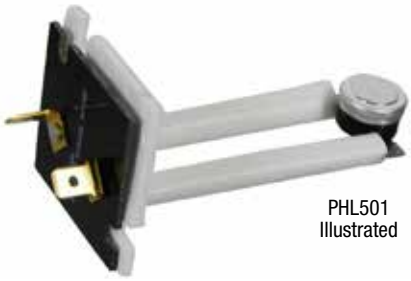
Silicon Carbide Igniters

Item ID	Description	Replacement	
IG1407	• 5.5" Leads with connector •120 Volt	Trane B144676P02	
IG1410	• 5.5" Leads with connector • 120 Volt	Amana B144676P01 Trane B144676P01	
IG3033	• 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	• For Weil McLain AHE, GV, and HE II Boilers • 5.5" leads with connector • 120 Volts	Weil McLain 511330148	
IG0184	• For Weil McLain HE and VHE Boilers • 5" Leads with connector • 120 Volts • Wire nuts and bracket included	Weil McLain 511330184 Norton 201N	
IG1406	• 11" leads with wire connectors	Weil McLain	
FA-FC046	• 5.5” leads with connector, 2 wire nuts	York 025-32626-000	
FA-DS016	• 5.5” leads, complete with harness	York 025-32625-000	
FA-SN402	• Universal Flat Mini Silicone		

Thermostats

Plenum Thermostats

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



PHL501
Illustrated

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 HH12ZA193A		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			

Wireless Thermostats for HVAC Professionals

Easy to install, simple to operate, sold exclusively to heating & cooling pros.

INSTALL ANYWHERE. NO WIRES NEEDED.

If you are upgrading systems, want to move a thermostat's location, or need extra wires for any reason, the T755WHO is the perfect solution. Simply wire the equipment module to the air handler and place the thermostat exactly where you want it, maximizing comfort, control, and convenience. The PROsync™ Wireless System is the perfect solution to add a premium look and performance at an affordable price.

Item ID	Programming	Stages of Heat	Stages of Cool	Series	Description	Display Size
78-T855iSH	7D, NP, C	5H*	3C*	T800	WIFI enabled, Programmable, Universal Full feature Thermostat	8 sq. in.
78-T751i	7D	4H*	2C	T700	WIFI enabled, Multi-Stage Thermostat. Programmable from the app only	7 sq. in.
78-T721i	7D	2H*	1C	T700	WIFI enabled, Multi-Stage Thermostat. Programmable from the app only	7 sq. in.
78-T701i	7D	1H	1C	T700	WIFI enabled, Sinlge Stage Thermostat. Programmable from the app only, hardwired only	7 sq. in.
78-T755WHO	7D, 5/1/1, NP	4H*	2C	T700	PROsync Wireless System, Universal Multi-Stage Thermostat with Occupancy	7 sq. in.
78-T731WO	NP	2H*	1C	T700	Wireless, Non-Programmable, with Occupoancy PTAC Thermostat. (includes wireless base module)	7 sq. in.
78-T731W	NP	2H*	1C	T700	Wireless, Non-Programmable, PTAC Thermostat. (includes wireless base module)	7 sq. in.

STAGES:
4* = TWO LESS STAGES FOR EONVENTIONAL HEAT
2* = ONE LESS STAGE FOR CONVENTIONAL HEAT
PROGRAMMING** = CAN ONLY BE MODIFIED THROUGH THE APP

Thermostats

Item ID	Programming	Stages of Heat	Stages of Cool	Series	Description	Display Size
78-T855SH	7D, 5/1/1, NP, C	5H*	3C*	T800	Programmable, Universal Full Feature multi-stage Thermostat	8 sq. in.
78-T855	7D, 5/1/1, NP, C	4H*	2C	T800	Programmable, Universal, Large Display, multi-stage Thermostat	8 sq. in.
78-T805	7D, 5/1/1, NP	1H	1C	T800	Programmable, Universal, Large Display, single stage Thermostat	8 sq. in.
78-T755S	7D, 5/1/1, NP	4H*	2C	T700	Programmable, Universal Multi-Stage Thermostat. Compatible with wired indoor and outdoor sensors	7 sq. in.
78-T755	7D, 5/1/1, NP	4H*	2C	T700	Programmable, Universal Multi-Stage Thermostat	7 sq. in.
78-T751	NP	4H*	2C	T700	Non-Programmable, Universal Multi-Stage Thermostat	7 sq. in.
78-T771	NP	0/1H	0/1C	T700	Non-Programmable, Single Heat or Cool Thermostat	4 sq. in.
78-T731	NP	2H*	1C	T700	Wired, Non-Programmable PTAC Thermostat	4 sq. in.
78-T725	7D, 5/1/1, NP	2H*	1C	T700	Programmable, Multi Stage, Heat Pump/Conventional Thermostat	4 sq. in.
78-T721	NP	2H*	1C	T700	Non-Programmable, Heat Pump/Conventional, Multi-Stage Thermostat	4 sq. in.
78-T715	7D, 5/1/1, NP	2H	2C	T700	Programmable, Multi-Stage Thermostat	4 sq. in.
78-T705	7D, 5/1/1, NP	1H	1C	T700	Programmable, Conventional, Single Stage Thermostat	4 sq. in.
78-T701	NP	1H	1C	T700	Non-Programmable, Conventional Thermostat	4 sq. in.
78-T625-2	7D, 5/1/1	2H*	1C	T600	Programmable, heat pump/conventional Thermostat	2 sq. in.
78-T621-2	NP	2H*	1C	T600	Non-Programmable, heat pump/conventional Thermostat	2 sq. in.
78-T605-2	7D or 5+1+1 program	1H	1C	T600	T605-2: Programmable, conventional, single stage Thermostat	2 sq. in.
78-T601-2	NP	1H	1C	T600	Non-Programmable, conventional, single stage Thermostat	2 sq. in.
78-T501ML4	NP	1H	0C	T500	Line Voltage 4 wire, heat only, Mechanical Thermostat	2.9"W x 4.7"H x 0.9"D
78-T501ML2	NP	1H	0C	T500	Line Voltage, 2 wire, heat only Mechanical Thermostat	2.9"W x 4.7"H x 0.9"D
78-T501M	NP	1H	1C	T500	Line Voltage 4 wire, heat only, Mechanical Thermostat	4.7"W x 4.4"H x 1.3"D

Accessories		
Model	Description	Compatible With
R751W0	Wireless Indoor Remote Sensor	T755WH0 PROsync Wireless System
R250W	Wireless Outdoor Remote Sensor	T755WH0 PROsync Wireless System
R2R0S	Wired Outdoor Temperature Sensor	T755S, T855SH, T855iSH
R251S	Wired Indoor Temperature Sensor	T755S, T855SH, T855iSH
T150	Stat Guard Cover	Any Thermostat
T119	Universal Wall Plate	Any Thermostat
E219	Weather Resistant Junction Box	Any Thermostat
PA-WCA01	C-Wire Adapter	T701i, T721i, T751i, T855iSH

Thermostats

CIELO

Item#: **78-ED101WA**

The most advanced smart thermostat for mini-split, window & portable air conditioners/heat pumps. Equipped with a full touch screen color display with all the settings available on the device, Cielo Breez Edge Pro (ED101WA) offers smart features including Comfy Max (prevents overheating & overcooling), Comfy Mode (temperature and humidity-based triggers), geofencing (location-based automation), weekly schedules, PIN Lock & so much more.

Item ID	Product	Description	Power Source	Volts
78-ED101WA	Cielo Breez Edge Pro	Smart Thermostat for Mini-Split, Window, Portable Air Conditioners & Heat Pumps	5V-DC from wall adapter OR 24V-AC using external transformer	5V-DC

Item#: **78-BM101WA**

Wi-Fi enabled smart thermostat for mini-split, window & portable air conditioners/heat pumps. Packed with next-gen smart features including Comfy Max (eliminates overheating & overcooling), Comfy Mode (temperature and humidity-based triggers), geofencing (location-based automation), weekly schedules, and so much more. Available in Black (BM101WA) & White (BM102WA).

Item ID	Product	Description	Power Source	Volts
78-BM101WA	Cielo Breez Max (Black)	Smart Thermostat for Mini-Split, Window, Portable Air Conditioners & Heat Pumps	Hardwire Only (24V) or 5V-DC from wall Adapter	5V-DC

Item#: **78-BM102WA**

Wi-Fi enabled smart thermostat for mini-split, window & portable air conditioners/heat pumps. Packed with next-gen smart features including Comfy Max (eliminates overheating & overcooling), Comfy Mode (temperature and humidity-based triggers), geofencing (location-based automation), weekly schedules, and so much more. Available in Black (BM101WA) & White (BM102WA).

Item ID	Product	Description	Power Source	Volts
78-BM102WA	Cielo Breez Max (White)	Smart Thermostat for Mini-Split, Window, Portable Air Conditioners & Heat Pumps	Hardwire Only (24V) or 5V-DC from wall Adapter	5V-DC

Thermostats

CIELO

Item#: **78-CT101WA**

ENERGY STAR® Certified smart thermostat offering effortless control and optimization for central HVAC systems. The Cielo Smart Thermostat (CT101WA) brings smart controls to over 95% conventional ducted HVAC systems, including gas, electric, oil, hot water, heat pump, and geothermal setups. Its sleek, modern design features a responsive LCD touchscreen and robust connectivity for seamless integration into any smart home.

Item ID	Product	Description	Power Source	Volts
78-CT101WA	Cielo Smart Thermostat	ENERGY STAR® Certified Smart Thermostat for Central HVAC Systems	Hardwire Only (24V)	24V AC

Item#: **78-TE101WA**

ENERGY STAR® Certified smart thermostat designed for sustainable central HVAC control. The Cielo Smart Thermostat Eco (TE101WA) is designed for advanced control of multi-stage conventional and heat pump HVAC systems. Offering up to 4 heating and 2 cooling stages, these thermostats deliver precise comfort management, robust energy savings, and powerful smart features.

Item ID	Product	Description	Power Source	Volts
78-TE101WA	Cielo Smart Thermostat Eco (White)	ENERGY STAR® Certified Smart Thermostat for Central HVAC Systems	Hardwire Only (24V)	24V AC

Item#: **78-TE102WA**

ENERGY STAR® Certified smart thermostat designed for sustainable central HVAC control. The Cielo Smart Thermostat Eco (TE102WA) is designed for advanced control of multi-stage conventional and heat pump HVAC systems. Offering up to 4 heating and 2 cooling stages, these thermostats deliver precise comfort management, robust energy savings, and powerful smart features.

Item ID	Product	Description	Power Source	Volts
78-TE102WA	Cielo Smart Thermostat Eco (Black)	ENERGY STAR® Certified Smart Thermostat for Central HVAC Systems	Hardwire Only (24V)	24V AC

Thermostat Guards

DIVERSITECH

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

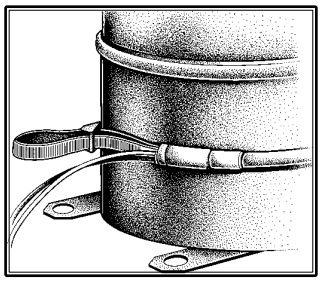
Item ID	Base	Inside Dimensions	Cross Reference
77-MG3	Ring	5.31" x 4.31" x 3.00"	BTG-KWM, KMRT
	Solid	5.62" x 5.12" x 2.87"	BTG-KM, KMST
77-MG12S	Solid	6.37" x 4.25" x 3.00"	BTG-54VL, F29-0255

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!"



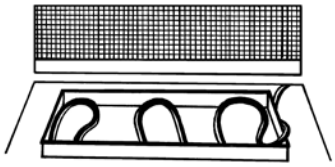
Item ID	Volts	Output @ -18°C (0°F)	Output @ 16°C (60°F)	Weight
75-HCCH1	120	60W	35W	0.5 lbs
75-HCCH2	240			0.5lbs

Heat Cable

Self Regulating Heat Cable

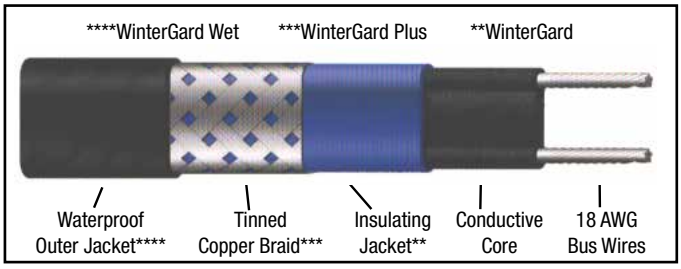
"Self Regulating" Heating Tape

- 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



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.



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.

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.

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.

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.

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.

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.

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

Heat Cable

Item ID	info	Length	Cable Construction	Voltage	Watts	Watt/Foot	Amps	Heating Cable Bus Wire Gauge
75-H612050	50' HEATER 6W 120V	50'	Self Regulating	120	300 Watt	6W	2.5 Amp	16 AWG
75-H612100	100' HEATER 120V	100'	Self Regulating	120	600 Watt	6W	5 Amp	16 AWG
75-H612250	250 ' HEATER 120V	250	Self Regulating	120	1500 Watt	6W	12.5 Amp	16 AWG
75-H612500	500' HEATER 6W 120V	500'	Self Regulating	120	3000 Watt	6W	25 Amp	16 AWG
75-FG1-100P	100' PREASSEMBLED HTR 12	100'	Self Regulating	120	600 Watt	6 Watt/Ft	N/A	N/A
75-FG1-12P	12' PRE-ASSEMBLED HTR 12	12'	Self Regulating	120	72 Watt	6 Watt/Ft	N/A	N/A
75-FG1-18P	18' PRE ASSEMBLED HTR 12	18'	Self Regulating	120	108 Watt	6 Watt/Ft	N/A	16 AWG
75-FG1-24P	24' PRE-ASSEMBLED HTR 12	24'	Self Regulating	120	144 Watt	6 Watt/Ft	N/A	N/A
75-FG1-6P	6' PRE-ASSEMBLED HTR 120	6'	Self Regulating	120	36 Watt	6 Watt/Ft	N/A	N/A
75-FG1-75P	75' PREASSEMBLED HTR 120;75' PREASSEMBLED HTR 120	75'	Self Regulating	120	450 Watt	6 Watt/Ft	N/A	N/A
75-FG2-12L	12' PREASSEMBLED KIT 240	12'	Self Regulating	240	72 Watt	6 Watt/Ft	N/A	16 AWG
75-FG2-6L	6' PREASSEMBLED KIT 240V	6'	Self Regulating	240	36 Watt	6 Watt/Ft	N/A	16 AWG

Accessories - Self Regulating Heat Cable

75-FGK-P-RS Termination Kit Illustrated

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.

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.

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

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

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 tor right to left. Cross Reference many Aprilaire, General, Honeywell, Skuttle, and many other models for a fraction of the cost.

Item ID	Description
71-UHS24	Universal Humidifier Solenoid

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

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

Item ID	Description
71-UHS99	24V UNIVERSAL HUMIDIFIER;SOLENOID 1/4"x1/4" COMP

AIR SWITCH

DESCRIPTION & OPERATION

The EZS is a field adjustable universal air pressure switch that can be applied to residential and commercial HVAC applications, commercial kitchen equipment (such as hoods and fryers), outdoor radiant heating products, pool and spa heating systems, and a variety of other applications.

The switch can sense positive, negative or differential air pressure. It contains a sensing diaphragm and integral snap-acting switch with three male 90° quick-connect spade terminals. The set point is field adjustable within its set point range. Three standard ranges are offered.

SET POINT ADJUSTMENT

Calibration requires no tools other than an Allen wrench. The procedure is simple: while observing the set point indicator window on the bottom of the gray mounting pan ("adjustment cover"), use an Allen wrench to turn the adjustment screw past the desired set point "up" clockwise. Then, in small increments, turn it "down" counterclockwise until the desired set point is reached. Be sure to confirm the set point at actual operating temperature. If desired, use hot melt glue to seal the adjustment screw. Never place a switch in operation without knowing what the set point is; doing so could create a hazardous situation.

MOUNTING

Using two screws, mount via the integral mounting feet. Select a mounting location free from vibration. Mount with the diaphragm in any sample plane. Do not mount with the sample line connections directed upward.

Please note that the EZS adjustment cover can be removed for mounting where clearance is limited, giving the unit the same footprint as the EZS switch.

Ideal for residential and commercial HVAC applications, and a variety of other applications.

Set point adjustment screw and visual set point indicator are located on the mounting pan.

Warning: If the adjustment cover is removed the scale becomes invalid and can no longer be used to adjust the set point. If further adjustment is required, use a PVG and manometer.

ELECTRICAL CONNECTIONS

The snap switch has three ¼" 90° male quick-connect terminals. Before pressure is applied to the diaphragm, the switch contacts are in the normally closed position.

AIR SAMPLING CONNECTION

Two integral sample line connectors, located on the high and low sides of the diaphragm, accept 3/16" ID flexible tubing. The high or positive inlet (P1) is black, and the low or negative inlet (P2) is gray. Connect the sample lines as follows:

Positive Pressure Only:
Connect the sample line to P1; P2 remains open to the atmosphere.

Negative Pressure Only:
Connect the sample line to P2; P1 remains open to the atmosphere.

Two Negative Samples:
Connect higher negative sample to P2; lower sample to P1.

Two Positive Samples:
Connect higher positive sample to P1; lower sample to P2.

One Positive and One Negative:
Connect positive sample to P1; connect negative sample to P2.

	EZS Series		
	EZS-492-09	EZS-495-11	EZS-498-13
Setpoint Range (in. W.C.)	0.08" to 1.0" W.C.	0.15" to 2.0" W.C.	0.08" to 1.0" W.C.
Positive, Negative Differential Pressure	√	√	√
UL, CUL, CSA, CE, AGA Approval	√	√	√
-40F to 190F Temperature Range	√	√	√
SPDT contacts rated for 100,000 cycles min.	√	√	√
Contains Orifices for Time Delay Applications	√	√	√
No Need to Select and Insert Spring	√	√	√
'EZ' Set - No Tools Required	√	√	√
Fits Both RSS and NS2 Physical Profile	√	√	√
Future Availability	√	√	√

AIR SWITCH

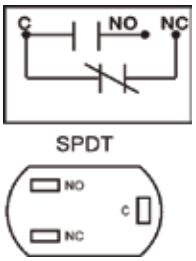


Fig.2: Without pressure applied to the diaphragm, switch contacts are in the position shown.

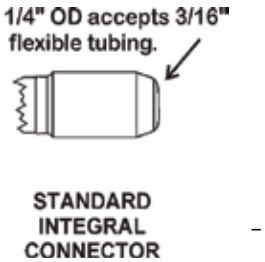
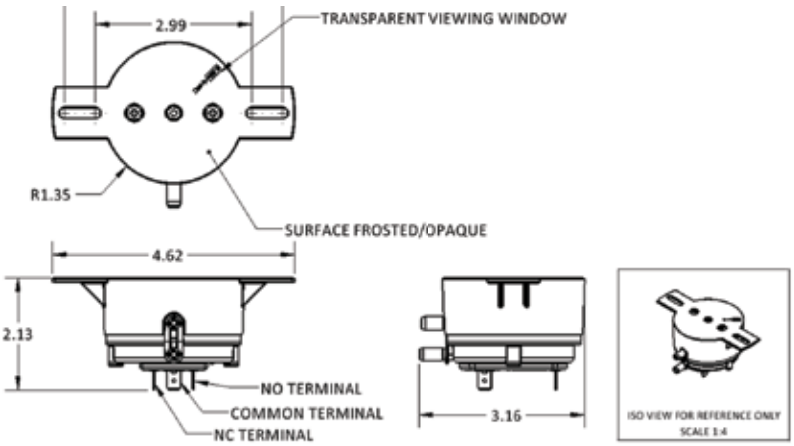


Fig. 3: Standard integral connector ac cepts 3⁄16" ID tubing.



SPECIFICATIONS:
EZS SERIES
AIR PRESSURE SENSING SWITCH

Set Point Ranges:
EZS-492-09: 0.08" wc to 1.0" wc
EZS-495-11: 0.15" w c to 2.0" w c
EZS-498-13: 2.0" wc to 10.0" wc

Measured Media: Air and byproducts of combustion that will not degrade silicone or polycarbonate

Mounting Position: Mount with the diaphragm in a vertical plane

Operating Temperature Range:
-40 °F to 190 °F (-40 °C to 88 °C)

Life: 100,000 cycles minimum

Contact Arrangement: SPDT

Electrical Connections:
Quick-connect copper-alloy terminals; ¼" x 0.032

Electrical Rating: Fine Silver Contacts; SPDT

Electrical load:
1⁄10 HP @120 to 277 V ac
28 VA pilot duty @ 24 V ac
125 VA pilot duty @ 120 V ac

Sample Line Connections:
Black is positive, gray is negative

Sample Line Connectors:
Integral slip-on connectors, ¼" OD, accepts 3/16" ID flexible tubing

Approvals: cURus

Shipping Weight:
< 1 lb; varies with configuration

Accessories (separate purchase):
Sample line probes
Tubing for HVAC applications

Kit: Includes bracket, orifices

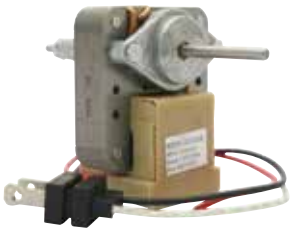
Skeleton Motors

ROTOM CANADA

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"x3/16"	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"x3/16"	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"x7/32"	Cord & plug	NUVENT 2000A, D90CB 2584SP WR. WHISPER FAN

3.3" Heating Motors

O6-R401

O6-R215

R2-R410

O6-R210

O6-R217

O6-R212

O6-R213

R2-R303

R3-R316

- Sleeve bearing unless indicated otherwise

Item ID	HP	Volts	Amps	Spd/ RPM	Rot.	Type	Body	Shaft	Features	Cross Reference
O6-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
O6-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
O6-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
O6-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
O6-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
O6-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

R2-R462

R3-R373

R3-R348

US-R90671

US-R90672

R3-R366

- 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
US-R90671	1/15	115/208-230	1.1/2.1	1/1550	CWOSE	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

T1-R630

O6-R260

O6-R262

O6-R264

O6-R265

O6-R266

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

Direct Drive Motors

ROTOM Plus+

5.5" Direct Drive Motor

24 Month Warranty

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

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"×6"

Cross Reference

Rotom	HP	Voltage	AO Smith	Carrier	Coleman	Emerson	Lennox	ICP	GE	Marathon	Rotom
DD-1314	1/3 1/4 1/6 1/7	115	DL1026 DL1036	HC41SE117 HC41SE121 P257 8583 P257 8585	1486-236P	11864 1863 1864	P-8-7505 32663 LFM13	1009045 1008415	3583 3585	X003	R43583 R43585

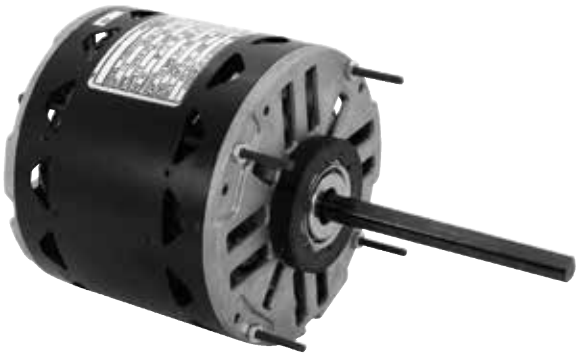
Direct Drive Motors

TruckStock™ PREMIUM

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

Supplied Free In Every Box

All-Purpose Capacitor
- Multi-Rating Capacitor
- 5, 7.5, 10, 12.5 & 15 MFD

Item ID	HP	Spd	RPM	Volts	Amps	Capacitor (370V)	Bearing	Leads	Dia	Shaft
R6-R43600	1/2	All	1075	115	7.0	10 mfd	Sleeve	26"	4.86"	1/2"×5"
	1/3	All			6.7	5 mfd 7.5*				
	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	10 mfd	Sleeve	26"	4.86"	1/2"×5"
	1/3	All			3.6	5 mfd 7.5*				
	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	10 mfd	Ball	38"	4.86"	1/2"×5 1/2"
	1/2	All			6.8					
	1/3	All			5.5	5 mfd 7.5*				
	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	10 mfd	Ball	38"	4.86"	1/2"×5 1/2"
	1/2	All			3.6					
	1/3	All			3.0	5 mfd 7.5*				
	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

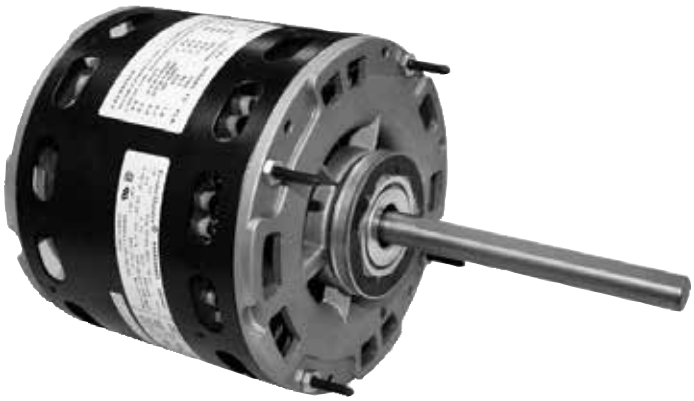
Direct Drive Motors

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

ROTOM Plus+

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" × 1/2"
- Reversible
- Permanent Split Capacitor (PSC)
- 40°C Ambient
- Insulation Class B
- Thermally Protected

92-A8617
Torsion Flex Bracket
5.0" & 5.5" Dia.
9" & 10" Bolt Circles

92-A8550 - 5" Diameter
92-A8555 - 5.5" Diameter
9" & 10" Bolt Circles

5.5" Diameter for
1/2 HP and above
92-A8557 - 10" Bolt Circle
HEAVY DUTY

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"×4.0"
DD-3584	1/4	208/230	2.20	5/370	3/1075	Rev	4.15"	Sleeve	1/2"×4.0"
DD-3585	1/3	115	6.00	5/370	3/1075	Rev	4.40"	Sleeve	1/2"×4.0"
DD-3586	1/3	208/230	2.90	5/370	3/1075	Rev	4.40"	Sleeve	1/2"×4.0"
DD-3587	1/2	115	10.2	10/370	3/1075	Rev	5.40"	Sleeve	1/2"×4.0"
DD-3588	1/2	208/230	5.00	10/370	3/1075	Rev	5.40"	Sleeve	1/2"×4.0"
DD-3589	3/4	115	11.30	15/370	3/1075	Rev	5.48"	Sleeve	1/2"×4.0"
DD-3590	3/4	208/230	5.40	10/370	3/1075	Rev	5.48"	Sleeve	1/2"×4.0"

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

Direct Drive Motors

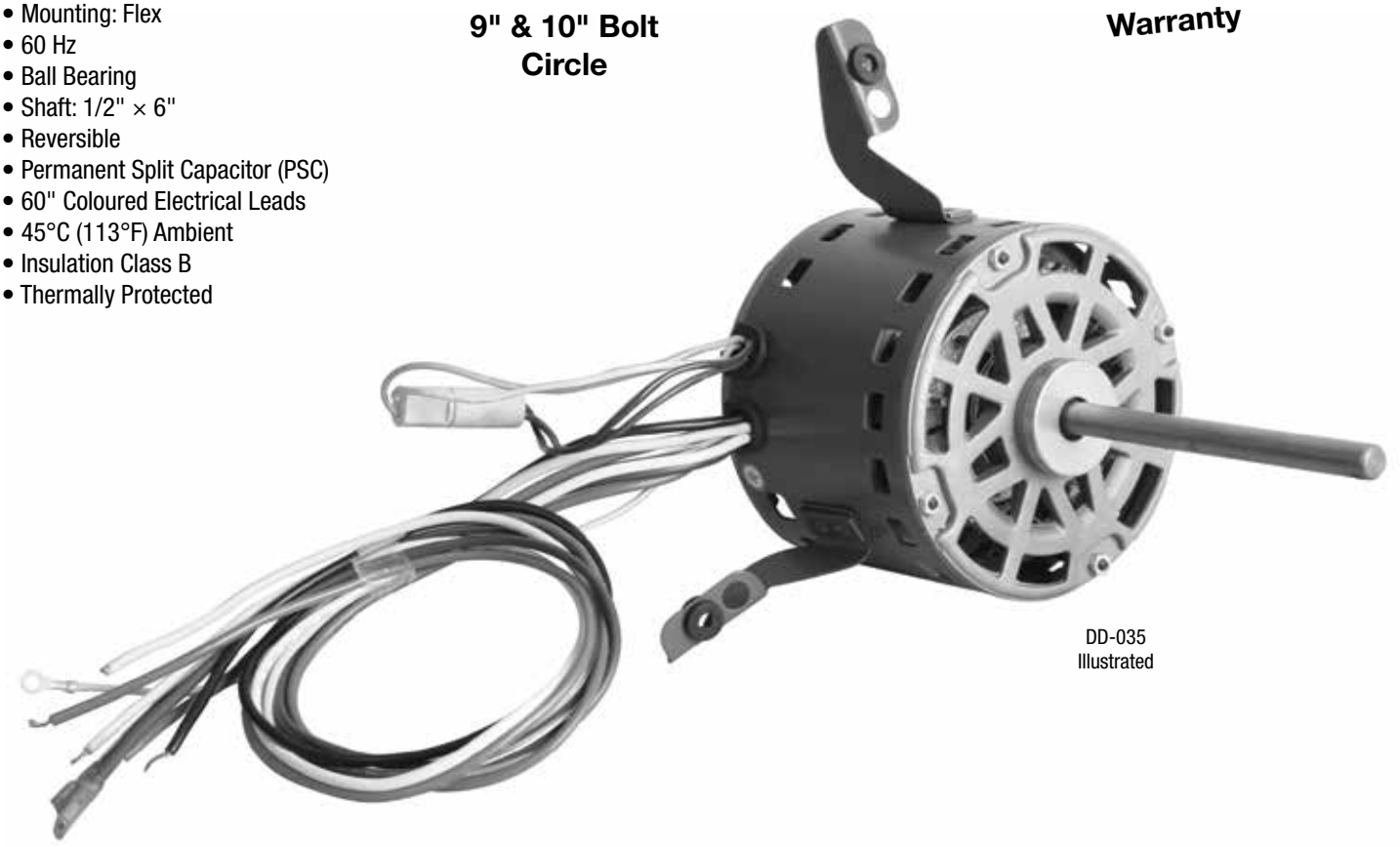
ROTOM Plus+

5.5" Flex Mount Direct Drive Motors

Features
- 48Y Frame
- 5.5" Diameter
- Open Enclosure
- Mounting: Flex
- 60 Hz
- Ball Bearing
- Shaft: 1/2" × 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"×6"
DD-044		208/230	1.8/2.0	5/370	4.00"	Ball	1/2"×6"
DD-035	1/3	115	5.0	10/370	4.50"	Ball	1/2"×6"
DD-045		208/230	1.75/1.93	5/450	4.30"	Ball	1/2"×6"
DD-036	1/2	115	7.6	10/370	4.85"	Ball	1/2"×6"
DD-046		208/230	3.3/4.0	10/370	4.79"	Ball	1/2"×6"

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

Temspec Replacement Fan Coil Motors

9" or 10" Bolt Circle

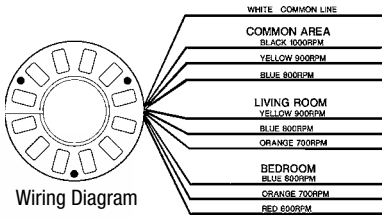
Item ID	HP	Volts	Amps	Type	Cap	Spd/ RPM	Rot.	Body	Frame	Bearing	Shaft	Cross Reference
M4-R799	1/8	115	2.10	PSC	5/370	5/1000	CCWOSE	3.87"	5.0"	Ball	5.0"×1/2"	L350, L450, L600. DA3E200, DA3F100, DA3G142
UE-799	1/8	115	2.60	PSC	5/370	5/1000	CWSE	3.5"	5.0"	Ball	5.0"×1/2"	L350,L450,L600, UE DA3E200, DA3F100, 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"×4.5"



Wiring Diagram

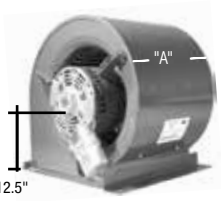
Cross Reference For:

- Climetec
- Snyder-General
- Temspec
- 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 12.5"

5.5" Unit Heater Motors

ROTOM Plus+

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"×3.4"
UH-9035	1/4	115	4.1	5/370	1/1075	Rev	4.52"	Ball	1/2"×3.4"
UH-9036	1/3	115	5.0	7.5/370	1/1075	Rev	4.52"	Ball	1/2"×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

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

Circulator & Booster Pump Motors

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

Fig. 1

CP-R1350
Illustrated

Fig. 2

CP-R1311
Illustrated

Fig. 3

CP-R1310
Illustrated

Fig. 4

CP-R1352
Illustrated

Fig. 5

CP-R1444
Illustrated

Fig. 6

CP-R1359
Illustrated

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

Fig. 7

CP-R1373
Illustrated

Fig.8

CP-R1463
Illustrated

Fig. 9

CP-R1471
Illustrated

Flue Exhaust Motors

ROTOM CANADA

FM-RFM623

82121

FM-RFM454

FM-RFM890

FM-RFM653

FM-RFM462

FM-RFM460

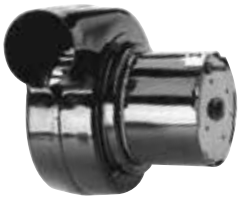
FM-RFM78

Item ID	HP	Spd/ RPM	Amps	Volts	Rot	Shaft	Body	Type	Cross Reference
FM-RFM623	1/40	1/1500	0.80	115	CWOSE	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	CCWOSE	2.5"X1/4"	6.25"	SP	D454 W/ 5/16" Shaft Adapter
FM-RFM890	1/25	1/3200	0.70	208/230	CCWOSE	2.3"x5/16"	3.29"	SP	Lennox 98G8901, 7121-7091
FM-RFM653	1/20	1/3430	1.00	230/460	CWOSE	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	CWOSE	3.3"x5/16"	4.80"	PSC/INC	ICP 1171347, Carrier HC30GB460
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

Direct Drive Blowers

R7-RB440


R7-RB663

R7-RB661

R7-RB60

R7-RB70

R7-RB33

R7-RB665

R7-RB885

R7-RB90

R7-RB991

R7-RB4

R7-RB3

R7-RB54

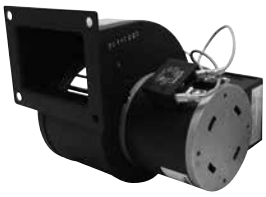
R7-RB120

R7-RB141

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-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-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

R7-RB445

R7-RB760

R7-RB965

R7-RB1000

R7-RB1600

66426K

FB-RFB158

FB-RFB129

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

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

FB-RFB212

FM-RFM653

FM-RFM462

FB-RFB756

FB-RFB757

FB-RFB758

FB-RFB250

FB-RFB676

FB-RFB547

Carrier

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
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
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
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")
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
FB-RFB758	1/15	115	1.45	PSC	1/3222	CWOSE	-	3.3"	Ball	Inc	-	320725-758, 317292-753, 320725-755, 325269-701, 325270-761, HC28QC115, YDZ-050L22541-01, 115U77, X83-388

Armstrong

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
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

OEM Replacement Motors

FB-RFB570

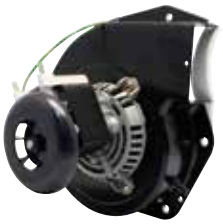
FB-RFB450

FB-RFB156

82052

FB-RFB501

FB-RFB483


FB-RFB405

FB-RFB276

FB-RFB672

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

Coleman

Item ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
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

Goodman

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
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
FB-RFB276	1/30	115	1.4	SP	1/3000	CWOSE	5.44"	Skel	Ball	-	-	0131M00002P

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

OEM Replacement Motors

FB-RFB107

82148

FB-RFB433

FB-RFB350

FB-RFB145

FB-RFB330

FB-RFB170

FB-RFB825

FB-RFB383

FB-RFB114

FM-RFM462

ICP

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
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-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
FB-RFB114	1/24	115	0.7	U6281	ONE	CW	7.75	3.3"	Sleeve	-	Blower	1708602, A307
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")

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

OEM Replacement Motors

FB-RFB390

FB-RFB401

FB-RFB495

FB-RFB790

FB-RFB810

FM-RFM890

FB-RFB547

FB-RFB550

Lennox

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
FM-RFM890	1/25	208/230	0.7	SP	1/3200	CCWOSE	3.29"	3.3"	Ball	-	-	2.3"×5/16"	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

*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

FB-RFB599

80270

FM-RFM623

FB-RFB200

FB-RFB181

FM-RFM78

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

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
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"× 5/16"	D9623, S59-485

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"×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

FB-RFB139

FB-RFB214

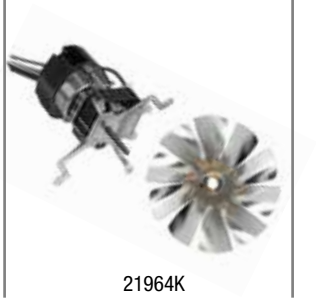
FB-RFB189

FB-RFB107

FB-RFB641

FB-RFB206

FB-RFB241


21964K

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
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: Re-em-Rudd 1070770, 101070, 107701 15-20-30 Ton
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
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

R7-RB3

FB-RFB236

FB-RFB337

FB-RFB356

FB-RFB63

FB-RFB154

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

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
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

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

York (cont. next page)

Item ID	HP	Volts	Amps	Type	Spd/ RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross Reference
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
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

OEM Replacement Motors

FM-RFM653

FB-RFB654

FB-RFB655

FB-RFB225

FB-RFB227

FB-RFB232

FM-RFM460

FM-RFM461

FB-RFB165

York (cont. from previous 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/.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/.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/.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
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-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")
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

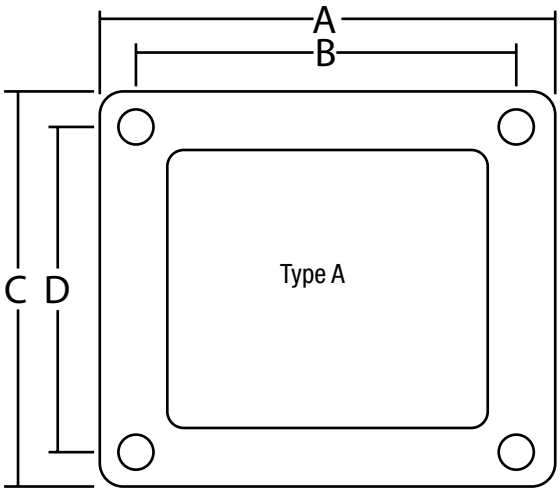
*Notes:
1 - Comes with gaskets
2 - Includes blower wheels, plates, hardware,cooling disk and built in centrifugal switch
3 - Built-in centrifugal switch
4 -Includes 66-A8666 & 66-A8667 blower wheels and built in centrifugal switch

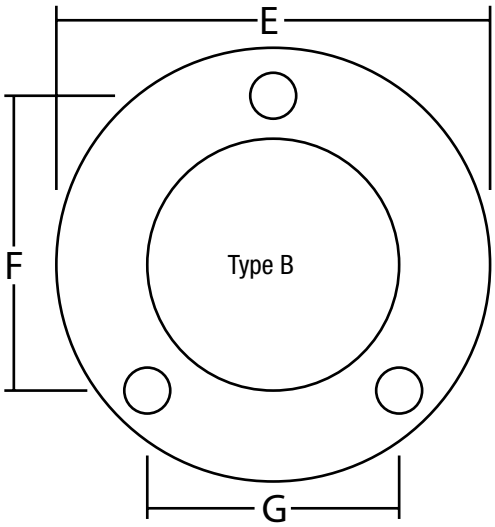
Blower Flange Dimensions

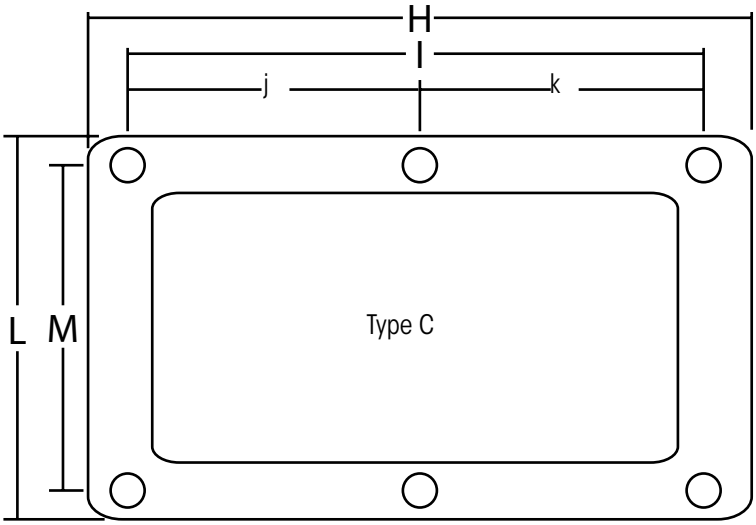
Part #	Type A				Type B			Type C						Type D				Type E			
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
R7-RB3	4.60"	3.90"	3.50"	2.80"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R7-RB33	3.00"	2.30"	3.00"	2.30"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R7-RB34	4.5"	3.45"	4.0"	2.85"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R7-RB60	-	-	-	-	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-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"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

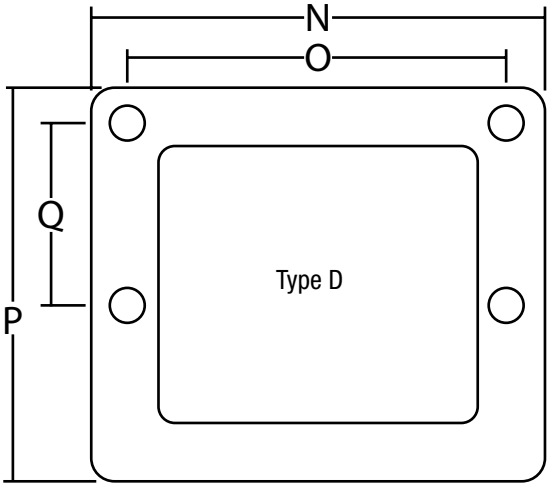
Diagrams on next page.

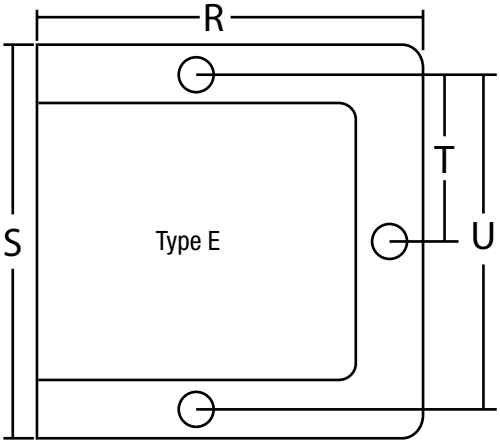
Blower Flange Dimensions

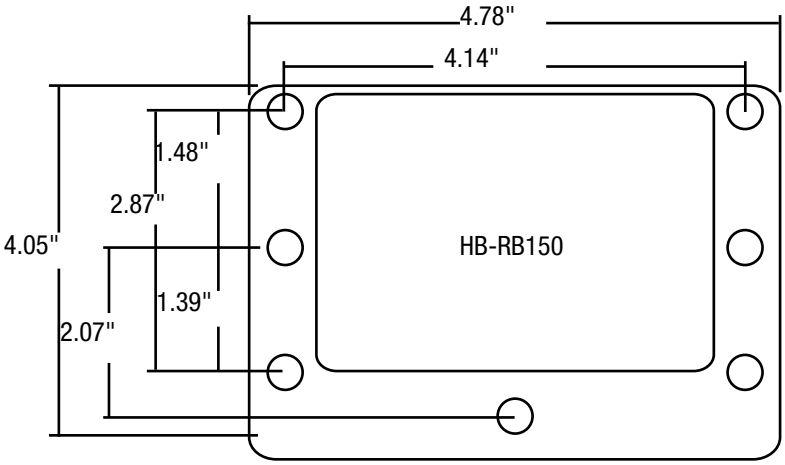












Index

PART #	PG #
45012	66
45013	66
45014	66
45016	66
7-10	18
7-12	18
7-14	18
80270	76
82052	73
82121	68
82148	74
06-FGV112P	22
06-FGV114P	22
06-FGV12	22
06-FGV12P	22
06-FGV1P	22
06-FGV34	22
06-FGV34P	22
06-FGV38P	22
06-FP1212	22
06-FP1238	22
06-GWH12	22
06-GWH34	22
06-SWV12	22
12-POP3	54
12-POP5	54
15-CG000113	24
15-CG000138	24
21964K	77
25-90290	34
25-90291	34
25-90292	34
25-90293	34
25-90294	34
25-90340	34
25-90341	34
25-90342	34
25-90360	34
25-90362	34
25-90370	34
25-90372	34
25-90374	34
25-90380	34
25-90382	34
25-90384	34

PART #	PG #
34-10244	26
34-20241	26
34-40241	29
34-40243	29
34-40244	27
34-40245	27
34-48003	29
34-50243	26
34-75241	26
34-75244-3	28
34-75254-3	28
45012D	66
45013D	66
45014D	66
45230D	66
585-F336	50
585-TG	50
585-TG1	50
585-TG2	50
585-TG3	50
585-TG4	50
585-TG5	50
585-TG6	50
585-TG7	50
585-TG8	50
585-TG9	50
61-71036	4
61-71038	4
61-S101	4
61-S201	4
61-S210-25	4
61-S220	4
61-S221	4
66-RFC300	65
66-RFC600	65
66426K	71
66426K	72
67-2164	25
67-2165	25
67-4036-2	25
67-4135-2	25
67-4136-2	25
67-4136-B	25
67-4136-R	25
67-4137-2	25

PART #	PG #
67-4138-2	25
67-4325	24
67-4336-1	25
67-4336-2	25
67-4346-1	25
67-4350	24
67-4375	24
67-4400	24
67-5325	24
67-5350	24
67-5400	24
67-610	24
67-612	24
67-61400	25
67-61600	25
67-61610	25
67-61920	25
67-62000	25
67-62400	25
67-63600	25
67-650*	24
67-660	24
67-670	24
67-690	24
67-810	24
67-870	24
67-880	24
67-890	24
7-12P	18
7-14P	18
7-34	18
7-34P	18
7-38	18
7-38P	18
7-58	18
7-58P	18
7-78	18
7-78P	18
71-UHS24	54
71-UHS99	54
75-AMC-F5	53
75-FG1-100P	53
75-FG1-12P	53
75-FG1-18P	53
75-FG1-24P	53

PART #	PG #
75-FG1-6P	53
75-FG1-75P	53
75-FG2-12L	53
75-FG2-6L	53
75-FGK-P-RS	53
75-H611050	52
75-H611100*	52
75-H611250	52
75-H612050	53
75-H612100	53
75-H612250	53
75-H612500	53
75-H621050	52
75-H621100*	52
75-H621250	52
75-H622050	52
75-H622050	52
75-H622100*	52
75-H622100*	52
75-H622250	52
75-H622250	52
75-H622500	52
75-H622500	52
75-H900	53
75-H903	53
75-H908	53
75-H910	53
75-H912	53
75-H913	53
75-H915	53
75-HCCH1	51
75-HCCH2	51
75-TC-3	53
77-MG12S	50
77-MG3	50
78-BM101WA	48
78-BM102WA	48
78-CT101WA	49
78-ED101WA	48
78-T501M	47
78-T501ML2	47
78-T501ML4	47
78-T601-2	47
78-T605-2	47
78-T621-2	47

Index

PART #	PG #
78-T625-2	47
78-T701	47
78-T701I	46
78-T705	47
78-T715	47
78-T721	47
78-T721I	46
78-T725	47
78-T731	47
78-T731W	46
78-T731WO	46
78-T751	47
78-T751I	46
78-T755	47
78-T755S	47
78-T755WHO	46
78-T771	47
78-T805	47
78-T855	47
78-T855ISH	46
78-T855SH	47
78-TE101WA	49
78-TE102WA	49
83-30200	24
83-30201	24
83-30202	24
83-30203	24
83-30209	24
83-30213	24
83-30280	24
83-30283	24
83-30289	24
83-30293	24
84-FT-30	23
84-PC-30	23
84-PS-30	23
84-PS30-B	23
84-PT-30	23
AS-NS2-0000-03	54
BG-101	11
BG-110	10
BG-301+T	10
BG-302P+T	10
BG-402	10
BNT-1	21

PART #	PG #
C140B	30
C140B	30
CC-1	13
CP-16	7
CP-16-230	7
CP-22	7
CP-22-230	7
CP-22LP	8
CP-22LP-230	8
CP-22LP-230-P	8
CP-22LP-P	8
CP-22T	7
CP-M115	9
CP-R1310	67
CP-R1311	67
CP-R1350	67
CP-R1351	67
CP-R1352	67
CP-R1354	67
CP-R1356	67
CP-R1359	67
CP-R1362	67
CP-R1363	67
CP-R1370	67
CP-R1371	67
CP-R1444	67
CP-R1446	67
CP-R1459	67
CP-R1463	67
CP-R1471	67
CS-1	12
CS-1-BULK50	12
CS-2	12
CS-2-BULK50	12
CS-3	12
CS-3-BULK50	12
CS1200	13
CVMINI	9
DD-030	65
DD-034	64
DD-035	64
DD-036	64
DD-044	64
DD-045	64
DD-046	64

PART #	PG #
DD-1314	60
DD-3583	63
DD-3584	63
DD-3585	63
DD-3586	63
DD-3587	63
DD-3588	63
DD-3589	63
DD-3590	63
DP-1P30A120	30
DP-1P30A120	30
DP-1P30A24	30
DP-1P30A24	30
DP-1P30A240	30
DP-1P30A240	30
DP-1P40A120	30
DP-1P40A120	30
DP-1P40A24	30
DP-1P40A24	30
DP-1P40A240	30
DP-2P20A120	30
DP-2P20A24	30
DP-2P25A120	30
DP-2P25A24	30
DP-2P25A240	30
DP-2P30A120	30
DP-2P30A24	30
DP-2P30A240	30
DP-2P40A120	30
DP-2P40A24	30
DP-2P40A240	30
DP-3P25A120	31
DP-3P30A120	31
DP-3P30A24	31
DP-3P30A240	31
DP-3P40A120	31
DP-3P40A24	31
DP-3P40A240	31
DP-3P50A120	31
DP-3P50A24	31
DP-3P50A240	31
DP-3P60A120	31
DP-3P60A24	31
DP-3P60A240	31
DP-3P75A120	31

PART #	PG #
DP-3P75A24	31
DP-3P75A240	31
DP-3P90A120	31
DP-3P90A240	31
DP-4P20A120	32
DP-4P20A24	32
DP-4P25A120	32
DP-4P30A120	32
DP-4P30A24	32
DP-4P30A240	32
DP-4P40A120	32
DP-4P40A24	32
DP-4P40A240	32
DP-AS1	33
DP-AS10	33
DP-AS11	33
DP-AS2	33
DP-AS3	33
DP-AS4	33
DP-AS4N	33
DP-AS5N	33
DP-AS6N	33
DP-AS7	33
DP-AS7N	33
DP-AS9	33
DP-AS9N	33
DTK113	15
DTK113B	15
DTK205	15
DTK207	15
DTK210	16
DTK626	16
E219	47
ET75	14
FA-0230K00001	42
FA-AIC54301	36
FA-AIC71075	36
FA-AICHSIURK120	41
FA-AICPSEHW1	37
FA-DS001	41
FA-DS010	40
FA-DS014	43
FA-DS015	42
FA-DS016	44
FA-DS402	40

Index

PART #	PG #
FA-DS405	40
FA-DS408	41
FA-DS411	41
FA-DS418	41
FA-FC046	44
FA-FC047	41
FA-FC051	42
FA-FC067	41
FA-SN402	44
FA-XSLURK24	41
FB-1	3
FB-RFB107-2	74
FB-RFB107-2	77
FB-RFB114	74
FB-RFB129-1	71
FB-RFB139-1	77
FB-RFB145-1	74
FB-RFB154-1	78
FB-RFB156	73
FB-RFB158	71
FB-RFB165-1	79
FB-RFB170	74
FB-RFB181-2	76
FB-RFB189-3	77
FB-RFB200-2	76
FB-RFB206	77
FB-RFB212-1	72
FB-RFB214-2	77
FB-RFB225	79
FB-RFB227	79
FB-RFB232-3	79
FB-RFB236	78
FB-RFB241-4	77
FB-RFB250	72
FB-RFB276	73
FB-RFB330	74
FB-RFB337	78
FB-RFB350	74
FB-RFB356-1	78
FB-RFB383	74
FB-RFB390	75
FB-RFB401	75
FB-RFB405-2	73
FB-RFB433	74
FB-RFB450	73

PART #	PG #
FB-RFB461-4	79
FB-RFB483	73
FB-RFB495	75
FB-RFB501	73
FB-RFB547-1	75
FB-RFB547-2	72
FB-RFB550	75
FB-RFB570	73
FB-RFB599	76
FB-RFB63	78
FB-RFB641	77
FB-RFB654-2	79
FB-RFB655-2	79
FB-RFB672	73
FB-RFB676	72
FB-RFB756	72
FB-RFB757	72
FB-RFB758	72
FB-RFB790	75
FB-RFB810	75
FB-RFB825	74
FM-RFM454	68
FM-RFM460	68
FM-RFM460-2	79
FM-RFM462	68
FM-RFM462-2	74
FM-RFM462-3	72
FM-RFM623	68
FM-RFM623	76
FM-RFM653	68
FM-RFM653-1	72
FM-RFM653-3	79
FM-RFM78	68
FM-RFM78-2	76
FM-RFM890	68
FM-RFM890	75
FP-22	7
FP-22-230	7
GG-1	17
GGC-12	17
HS-24A34-21	35
HS-24A34-22	35
HS-24A34-23	35
HS-24A34-24	35
HS-24A34-25	35

PART #	PG #
HS-24A34-26	35
HS-24A34-27	35
HS-24A34-29	35
HS-24A34-36	35
HS-24A34-37	35
IG-1106	43
IG0001	39
IG0004N	38
IG00145N	39
IG00152N	39
IG0148	44
IG0184	44
IG0286	43
IG1000N	38
IG1100N	38
IG1114	43
IG1121	42
IG1401	42
IG1401N	38
IG1402N	38
IG1403	43
IG1403N	39
IG1404	43
IG1405N	39
IG1406	44
IG1407	44
IG1408N	39
IG1409	42
IG1409N	38
IG1410	44
IG1410N	39
IG1411	43
IG1411N	39
IG1412	42
IG1412N	39
IG1414	42
IG1414N	39
IG2300	43
IG3033	44
IG3033N	39
IG4000N	38
IG80V	38
IG9500	39
IQP-120	7
LD-1	10

PART #	PG #
M4-R799	65
O6-R210	58
O6-R212	58
O6-R213	58
O6-R215	58
O6-R217	58
O6-R260	59
O6-R262	59
O6-R264	59
O6-R265	59
O6-R266	59
O6-R401	58
PA-WCA01	47
PF105	27
PF113	27
PF12406	27
PF12416	27
PF12450-2	28
PF137	27
PF22440	27
PF24200	27
PF27440	28
PF32440	27
PF40115	27
PF40224	27
PF4031OEM	27
PF4031VM	27
PF40350	28
PF42440	27
PF42450-3	28
PF524100-3	28
PF52460-3	28
PF52475F-1	28
PF85602	28
PF90501	27
PFS010	36
PFS013	36
PFS014	36
PFS027	36
PFS029	36
PFS043	37
PFS053	37
PFS081	37
PFS087	37
PFS097	37

Index

PART #	PG #
PFS114	37
PFS214	37
PFS301	37
PFS401	36
PFS700	37
PFS802	36
PHL501	45
PHL502	45
PHL503	45
PHL504	45
PHL505	45
PHL506	45
PHL507	45
PHL508	45
PHL509	45
PHL510	45
PHL511	45
PHL512	45
PHL513	45
PHL514	45
PHL515	45
PHL516	45
PHL517	45
PHL518	45
PHL519	45
PM10048P	29
PM12040	29
PM32440	29
PM43440	29
PM43450	29
PM44450-1	29
PM7541MCB-3	29
PR295Q	34
PRO-BLUE	20
PRO-BLUE-1SHOT	20
PRO-BLUE-4X	20
PRO-BLUE-55	20
PRO-BLUE-AER	20
PRO-BROWN	21
PRO-GREEN	19
PRO-GREEN-1SHOT	19
PRO-GREEN-4X	19
PRO-GREEN-AER	19
PRO-RED-1SHOT	20
PRO-RED-4X	20

PART #	PG #
PRO-RED+	20
PRO-RED+5	20
PRO-YELLOW	21
PROCP-16-230*	8
PROCP-16*	8
PROCP-22S	8
PROCP-22S-230	8
PROCP-22ST	8
PROCP-22ST-230	8
PROCP-46	8
PROCP-46-230	8
QSMS1201	2
QSMS1801	2
QSWI1000	3
QSWI2000	3
QSWI3000	3
QSWI3001	3
QSWI3002	3
QSWI4000	3
QSWI4001	3
QSWI5001	3
QSWI5002	3
QSWI5003	3
QSWI6000	3
QUIETMINI-I	9
QUIETMINI-M	9
R2-R303	58
R2-R410	58
R2-R462	59
R250W	47
R251S	47
R2R0S	47
R3-R316	58
R3-R348	59
R3-R366	59
R3-R373	59
R6-R43463	62
R6-R43463	62
R6-R43464	62
R6-R43464	62
R6-R43466	62
R6-R43466	62
R6-R43467	62
R6-R43467	62
R6-R43600	61

PART #	PG #
R6-R43601	61
R6-R43602	61
R6-R43603	61
R6-R43604	61
R7-RB1000	71
R7-RB120	69
R7-RB120	80
R7-RB141	69
R7-RB141	80
R7-RB142	80
R7-RB155	70
R7-RB155	80
R7-RB1600	71
R7-RB165	70
R7-RB165	80
R7-RB20	59
R7-RB22	59
R7-RB24	59
R7-RB25	59
R7-RB26	59
R7-RB265	70
R7-RB265	80
R7-RB28	59
R7-RB3	69
R7-RB3	78
R7-RB3	80
R7-RB312	70
R7-RB33	69
R7-RB33	80
R7-RB33-3	76
R7-RB34	80
R7-RB350	80
R7-RB380	70
R7-RB4	69
R7-RB440	69
R7-RB440	80
R7-RB445	71
R7-RB445	80
R7-RB446	70
R7-RB446	80
R7-RB447	70
R7-RB447	80
R7-RB465	70
R7-RB465	80
R7-RB500	70

PART #	PG #
R7-RB500	80
R7-RB54	69
R7-RB60	69
R7-RB60	80
R7-RB661	69
R7-RB661	80
R7-RB663	69
R7-RB665	69
R7-RB665	80
R7-RB70	69
R7-RB70	80
R7-RB760	71
R7-RB760	80
R7-RB885	69
R7-RB90	69
R7-RB938	70
R7-RB938	80
R7-RB965	71
R7-RB991	69
R7-RB991	80
R751W0	47
SG-1	17
SGC-12	17
SOS-1	13
ST75	14
T1-R3670	57
T1-R617	57
T1-R630	59
T1-R670	57
T1-R684	57
T119	47
T150	47
TRIPLE-D	19
TRIPLE-D-1SHOT	19
TRIPLE-D-32	19
TRIPLE-D-4X	19
TRIPLE-D-AER	19
TRIPLE-D-AER-6	19
TRIPLE-D-RTU	19
UA-1	16
UE-799	65
UH-9034	65
UH-9035	65
UH-9036	65
ULTRACP-22	6

Index

PART #	PG #
ULTRACP-22-230	6
ULTRACP-22T	6
ULTRACP-22T-230	6
ULTRAIQP	10
ULTRAIQP-230	10
ULTRAIQP-T	10
ULTRAIQP-T-230	10
US-R90671	59
US-R90672	59
WS-1	11
WS-1C	10
WS-2DV	11
WTRAP	14