

ALLTEMP

SPRING COOLING CATALOGUE

EQUIPMENT MOUNTING | TOOLS | CONDENSATE
MANAGEMENT | MAINTENANCE CHEMICALS |
COMPONENTS & ACCESSORIES | ELECTRICAL |
CONTROLS | MOTORS

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Equipment Pads

E Lite® Pads

- Made in the USA
- Uniform and generous ribbing provide self-leveling ground support without inserts
- ASTM D2299, ASTM C67
- Unaffected by UV or weather



2" Thick Pads

Product ID	Size (IN.)	Estimated Allowable Load	Qty. Per Pallet	Pad Weight
EL2424-2	24 x 24 x 2	840 lbs	44	7 lbs
EL2430-2	24 x 30 x 2	960 lbs	22	9 lbs
EL2436-2	24 x 36 x 2	1080 lbs	22	11 lbs
EL2626-2	26 x 26 x 2	920 lbs	22	8 lbs
EL3030-2	30 x 30 x 2	1080 lbs	22	11 lbs
EL3036-2	30 x 36 x 2	1200 lbs	22	13 lbs
EL3040-2	30 x 40 x 2	1260 lbs	22	14 lbs
EL3232-2	32 x 32 x 2	1160 lbs	22	13 lbs
EL3434-2	34 x 34 x 2	1240 lbs	22	14 lbs
EL3636-2	36 x 36 x 2	1320 lbs	22	16 lbs
EL3640-2	36 x 40 x 2	1400 lbs	22	18 lbs
EL3648-2	36 x 48 x 2	1560 lbs	22	29 lbs
EL3842-2	38 x 42 x 2	1480 lbs	22	19 lbs

3" Thick Pads

Product ID	Size (IN.)	Estimated Allowable Load	Qty. Per Pallet	Pad Weight
EL1838-3	18 x 38 x 3	1000 lbs	32	16 lbs
EL2424-3	24 x 24 x 3	840 lbs	16	12 lbs
EL2436-3	24 x 36 x 3	840 lbs	16	19 lbs
EL2448-3	24 x 48 x 3	1320 lbs	32	14 lbs
EL3030-3	30 x 30 x 3	1080 lbs	16	20 lbs
EL3232-3	32 x 32 x 3	1160 lbs	16	21 lbs
EL3244-3	32 x 44 x 3	1400 lbs	16	30 lbs
EL3636-3	36 x 36 x 3	1320 lbs	16	28 lbs
EL3640-3	36 x 40 x 3	1400 lbs	16	31 lbs
EL3648-3	36 x 48 x 3	1560 lbs	16	36 lbs
EL3842-3	38 x 42 x 3	1480 lbs	16	33 lbs
EL3870-3	38 x 70 x 3	2040 lbs	16	36 lbs
EL4040-3	40 x 40 x 3	1480 lbs	16	34 lbs
EL4558-3	45 x 58 x 3	1940 lbs	16	33 lbs
EL4848-3	48 x 48 x 3	1800 lbs	16	29 lbs

EcoPad™

- Durable and lightweight for standard applications
- Made in the USA
- Unaffected by UV or weather
- ASTM D2299, ASTM C67
- Individually engineered ribbing for cost-effective self-leveling ground support



2" Thick Pads

Product ID	Size (IN.)	Estimated Allowable Load	Qty. Per Pallet	Pad Weight
EP2424-2	24 x 24 x 2	840 lbs	44	7 lbs
EP2436-2	24 x 36 x 2	1080 lbs	22	11 lbs
EP3030-2	30 x 30 x 2	1080 lbs	22	11 lbs
EP3036-2	30 x 36 x 2	1200 lbs	22	13 lbs
EP3232-2	32 x 32 x 2	1160 lbs	22	13 lbs
EP3636-2	36 x 36 x 2	1320 lbs	22	16 lbs

3" Thick Pads

Product ID	Size (IN.)	Estimated Allowable Load	Qty. Per Pallet	Pad Weight
EP3636-3	36 x 36 x 3	1320 lbs	16	28 lbs

UltraLite® Pads

- Heavy-duty yet ultra-lightweight
- Freeze/thaw, UV, chemical & flame-resistant for long-term life outdoors
- ASTM D2299, ASTM C67
- Extensive selection of sizes available including wedge-shaped pad



3" Thick Pads

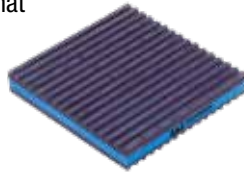
Product ID	Size (IN.)	Estimated Allowable Load	Qty. Per Pallet	Pad Weight
UC1838-3	18 x 38 x 3	400 lbs	30	20.2 lbs
UC2424-3	24 x 24 x 3	336 lbs	15	18 lbs
UC2430-3	24 x 30 x 3	390 lbs	15	23 lbs
UC2436-3	24 x 36 x 3	432 lbs	15	26 lbs
UC2448-3	24 x 48 x 3	528 lbs	15	28 lbs
UC2626-3	26 x 26 x 3	368 lbs	15	17 lbs
UC3030-3	30 x 30 x 3	432 lbs	15	23 lbs
UC3036-3	30 x 36 x 3	460 lbs	15	31 lbs
UC3040-3	30 x 40 x 3	512 lbs	15	33 lbs
UC3132-3L	31 x 32 x 3	460 lbs	15	27 lbs
UC3232-3	32 x 32 x 3	464 lbs	15	26 lbs
UC3237-3	32 x 37 x 3	504 lbs	15	27 lbs
UC3445-3	34 x 45 x 3	584 lbs	15	39 lbs
UC3636-3	36 x 36 x 3	528 lbs	15	34 lbs
UC3642-3	36 x 42 x 3	576 lbs	15	32 lbs
UC3648-3	36 x 48 x 3	624 lbs	15	37 lbs
UC3842-3	38 x 42 x 3	592 lbs	15	35 lbs
UC3870-3	38 x 70 x 3	709 lbs	15	113 lbs
UC4040-3	40 x 40 x 3	592 lbs	15	34 lbs

Anti-Vibration Pads



E.V.A. Anti-Vibration Pad

The latest generation in vibration dampening technology. The most effective vibration dampening pad available on the market. The EVA Pad was tested against other pads at four different vibration settings. In the most severe vibration extremes, the EVA Pad outperforms cork and rubber by a margin of greater than 3:1! This is due to the special composite foam center which is much more structurally sound than cork. It is not affected by oils or chemicals that can break down cork and is much more effective at vibration dampening than solid rubber. All this at a very competitive price. Designed to withstand 50 psi.



Product ID	Description
MP-2E	2" x 2" x 7/8" E.V.A. Pad
MP-3E	3" x 3" x 7/8" E.V.A. Pad
MP-4E	4" x 4" x 7/8" E.V.A. Pad
MP-6E	6" x 6" x 7/8" E.V.A. Pad
MP-12E	12" x 12" x 7/8" E.V.A. Pad
MP-18E	18" x 18" x 7/8" E.V.A. Pad

Rubber Anti-Vibration Pad

Highest quality elastomeric oil resistant padding. Designed to withstand 50 psi. The rubber pads are corrugated on both sides. Ideal for air conditioners, compressors, cooling towers, presses, machines, etc.



Product ID	Description
MP-2	2" x 2" x 3/8" Rubber
MP-3	3" x 3" x 3/8" Rubber
MP-4	4" x 4" x 3/8" Rubber
MP-6	6" x 6" x 3/8" Rubber
MP-8	8" x 8" x 3/8" Rubber
MP-12	12" x 12" x 3/8" Rubber
MP-18	18" x 18" x 3/8" Rubber

Rubber/Cork Anti-Vibration Pad

Highest quality elastomeric oil resistant padding. Designed to withstand 50 psi. The rubber pads are corrugated on both sides. The cork is laminated between two corrugated pads. Ideal for air conditioners, compressors, cooling towers, presses, machines, etc.



Product ID	Description
MP-2C	2" x 2" x 7/8" Rubber/Cork
MP-3C	3" x 3" x 7/8" Rubber/Cork
MP-4C	4" x 4" x 7/8" Rubber/Cork
MP-6C	6" x 6" x 7/8" Rubber/Cork
MP-12C	12" x 12" x 7/8" Rubber/Cork
MP-18E	18" x 18" x 7/8" Rubber/Cork

Iso-Cube Economy Anti - Vibration Pad

Natural rubber pads, designed to reduce vibration and noise emanating from refrigeration and air conditioning equipment. The circular design in each pad offers a suction cup effect, which eliminates the need to bolt the pads down. A standard 18" (46cm) pad is divided into eighty-one 2" (5cm) segments, each of which may be cut or torn to provide smaller pads. These 50 durometer pads will withstand a load of 180 psi with greater resiliency.



Product ID	Description
ISO-2	2" x 2" x 3/4" Iso-Cube
ISO-4	3" x 3" x 3/4" Iso-Cube
ISO-18	4" x 4" x 3/4" Iso-Cube

Mounting Blocks



Hef-T-Block™

Used as mounting bases when condensing units must be bolted down. Available in three lengths. Furnished complete with end caps and mounting hardware. Maximum load capacity is 900 pounds per mounting block. Installation temperature range from -4F (-20C) to 140F (60C). Hef-T-Blocks fit all mini-split condensing units with a unique sliding rail feature.

Product ID	Description
230-MB14W	14in. Hef-T-Block™ (White), pack of 2
230-MB17W	17" Hef-T-Block™ (White)
230-MB36W	36in. Hef-T-Block™ (White), pack of 2
230-MBCW	Hef-T-Block™ End Cap (White), pack of 4



230-MB14W

Equipment Stands



Hef-T-Bracket™ (Type 2)

Used for supporting condensing units, Hef-T-Brackets (Type 2) feature a cross bar that is attached to a wall, and two L-shaped brackets that are hooked and bolted into place on the cross bar. The condensing unit is mounted onto the L-shaped brackets, and fastened using the bolts and anti-vibration washers provided.



230-B2M

Product ID	Description
230-B2M	Hef-T-Bracket™ (Type 2) – Medium, 18", 176lbs
230-B2L	Hef-T-Bracket™ (Type 2) – Large, 21", 176lbs
230-B2XL	Hef-T-Bracket™ (Type 4) – Extra Large, 26", 250lbs

Wall Brackets - Mini-Splits

Wall Bracket provides a quick safe, and stable way to mount your unit. They allow for easy access during installation, service, and maintenance. Our roof bracket accessory is designed to protect your equipment from snow and freezing rain while maintaining proper air flow around the unit.



QSWB1000

Product ID	Description
QSWB1000	Wall Bracket. Holds up to 500lbs.
QSWB1100	QSWB1000 Wall Bracket w/Two Slider Tracks. Holds up to 500lbs.
QSWB2000	Wall Bracket w/Rail. Holds up to 350lbs.
QSWB2000SS	Wall Bracket w/Rail, Stainless Steel
QSWB2004	Large Wall Bracket w/Rail and Two Arms. Holds up to 350lbs.
QSWB2005	Large Wall Bracket w/Rail and Three Arms. Holds up to 350lbs.
QSWB3000	Wall Bracket w/Z Bend. Holds up to 300lbs.
QSWB4000	Wall Bracket w/Rail. Holds up to 500lbs.
QSWB4000SS	Wall Bracket w/Rail, Stainless Steel

Pitched Roof Mini-Split Mounting Bracket

The Quick-Sling® Pitched Roof Mini-Split Mounting Bracket is a fast and easy solution to mounting outdoor condensing units to a sloped roof.



QSPR1000

Product ID	Description
QSPR1000	Pitched Roof Bracket 300 lbs capacity. 9° - 45° sloped roofs

Flexi Frame

Flexi Frame for modular AC systems, mini-split, and VRF applications designed to provide stability and spread loads evenly across flat roof surface



FF-BF-B

Product ID	Description
FF-BF-B	Flexi Frame Base Stand;
FF-BF-1500-B	Flexi Frame 1500;Base Stand
FF-EF-B	Flexi Frame Extender;Stand
FF-EF-1500-B	Flexi Frame 1500;Extender Stand

Mini-Split Stands

The Mini-Split Stands provide a safe, stable platform for mounting a wide variety of HVAC/R equipment. It keeps unit elevated above lawn mowers, weed trimmers, pets, snow and flooding. The elevated height allows for ease of installation, maintenance and service. Now available in stainless steel and aluminum.



QSMS1201

Product ID	Description
QSMS1201	Mini-Split Stand Wide - 12"
QSMS1201-AL	Mini-Split Stand Wide - 12"; Aluminum
QSMS1201-SS	Mini-Split Stand Wide - 12"; Stainless
QSMS1801	Mini-Split Stand Wide - 18"
QSMS1801-AL	Mini-Split Stand Wide - 18"; Aluminum
QSMS1801-SS	Mini-Split Stand Wide - 18"; Stainless
QSMS2401	Mini-Split Stand Wide - 24"
QSMS2401-AL	Mini-Split Stand Wide - 24"; Aluminum
QSMS2401-SS	Mini-Split Stand Wide - 24"; Stainless

SPIN Tools

Swaging Spin

The Swaging Spin is for hard and soft copper tubing. It creates a precise deep swage without wobbling or cracking that is easier to braze.



S6000

Product ID	Description
S4000	Swaging Tools 4pc Set; 1/4", 3/8", 1/2", 5/8"
S5000	Swaging Tools 5pc Set; 1/4", 3/8", 1/2", 5/8", 3/4"
S6000	Swaging Tools 6pc Set 1/4" 3/8" 1/2" 5/8" 3/4" 7/8"
S1012	Swaging Tool, 1/2in; Individual
S1014	Swaging Tool, 1/4in; Individual
S1034	Swaging Tool, 3/4in; Individual
S1038	Swaging Tool, 3/8in; Individual
S1058	Swaging Tool, 5/8in; Individual
S1078	Swaging Tool, 7/8in; Individual
S1516	Swaging Tool, 5/16in; Individual
S1806	Swaging Tool, 6mm; Individual
S1808	Swaging Tool, 8mm; Individual
S1810	Swaging Tool, 10mm; Individual
S1812	Swaging Tool, 12mm; Individual

Flaring Spin

The Flaring SPIN Tool is designed for the most common tubing diameters in HVAC. The SPIN Flaring Tools make flares with the ideal dimensions for a perfect packing, due a wider area of contact between the flare surface and the valve/tube accessory.



F6000

Product ID	Description
F4000	Flaring Tools 4pc Set; 1/4", 3/8", 1/2", 5/8"
F5000	Flaring Tools 5pc Set; 1/4" 3/8" 1/2" 5/8" 3/4"
F6000	Flaring Tools 6pc Set 1/4" 3/8" 1/2" 5/8" 3/4" 7/8"
F1012	Flaring Tools 1/2in; Individual
F1014	Flaring Tool, 1/4in; Individual
F1034	Flaring Tool, 3/4in; Individual
F1038	Flaring Tool, 3/8in; Individual
F1058	Flaring Tool, 5/8in; Individual
F1078	Flaring Tool, 7/8in; Individual
F1100	Flaring Tool, 1in; Individual
F1516	Flaring Tool, 5/16in; Individual

Leak Detectors

Infrared Refrigerant Leak Detector

This detector is in it for the long haul. The 10-year sensor life will keep up with all of your daily demands.



LDIR150

Technical Specifications	
Sensor Type	Infrared Spectrum Absorption
Sensor Life	10 years
Maximum Sensitivity	4 grams/year
Response Time	3 Seconds
Warm-Up Time	30 Seconds
Battery	Built-in rechargeable Lithium Battery 3.7V, 3,000mAh
Certifications	SAE J1627, SAE J2791, SAE J2913, EN14624: 2012
Refrigerants Detected	"It will detect all halogenated refrigerants. This includes, but is not limited to: CFC: R12, R11, R500, R503 HCFC: R22, R123, R124, R502 HFC: R134A, R404A, R410A, R407C CH: R600A"
Dimensions	7.9" x 3.3" x 1.5"
Weight	14.6 oz (415g)

Heated Diode Refrigerant Leak Detector

Tight Space? No problem. Find leaks fast with the flexible probe that allows access to all of those hard-to-reach areas.



LDHS250

Technical Specifications	
Sensor Type	Semi-Conductive Sensor
Sensor Life	5 years
Maximum Sensitivity	4 grams/year
Response Time	3 Seconds
Warm-Up Time	30 Seconds
Certifications	SAE J1627, SAE J2791, SAE J2913, EN14624: 2012
Refrigerants Detected	It will detect all halogenated refrigerants. This includes, but is not limited to: CFC: R12, R11, R500, R503 HCFC: R22, R123, R124, R502 HFC: R134A, R404A, R410A, R407C CH: R600A
Dimensions	10.25" x 2.25" x 2.25"
Weight	14 oz (397g)

Refrigerant Scales



Wireless Refrigerant Scale

Rugged & durable to handle all terrains. Use inside the case for added protection from the elements. The hilmor Wireless Refrigerant Scale remote provides the user with a market leading 130 foot wireless range to help tackle those challenging locations.



RSWL220

Technical Specifications

Resolution	0.2 oz (5g)
Wireless Range	Up to 130 ft
Capacity	220 lbs (100 kg)
Scale	Batteries AA (x5)
Remote	Batteries AAA (x5)
Battery Life	40 Hours
Dimensions	18" x 14-3/4" x 3-1/2"
Net Weight	10.6 lbs.

Refrigerant Scale

Rugged & durable to handle all terrains. Use inside the case for added protection from the elements.



RSW220

Technical Specifications

Resolution	0.2 oz (5g)
Capacity	220 lbs (100 kg)
Scale	Batteries AA (x5)
Remote	Batteries AAA (x5)
Battery Life	40 Hours
Dimensions	18" x 14-3/4" x 3-1/2"
Net Weight	10.6 lbs.

Swaging Tools



Compact Swage Tool

The hilmor Compact Swage Tool is taking swaging to the next level. It has the power to swage 1-5/8" tubing and the control to swage 5/16" tubing without a crack. With its small, pistol-shape design, it can fit in the smallest of spaces. This proprietary design can reduce on-the-job fatigue with its easy setup and one-handed operation made possible by an innovative hydraulic mechanism and release button. It's even equipped for multiple sizes.

Kit Contents: 3/8", 1/2", 5/8", 3/4" and 7/8" Expander Heads, Deburrer and Compact Swage Tool

Product ID	Description
1839015	Compact Swage Tool; 5/16" to 1-5/8"



1839015

Flaring Tools



Orbital Flare Kit

The hilmor Orbital Flare Kit has everything required to produce quality flares again and again. The kit comes with hilmor's large diameter tubing cutter for easy kink-free cuts, a deburring tool to smooth everything out, and of course the Orbital Flare which is built to create the perfect flare quickly and accurately every time.

1937685 Orbital Flare Kit: Orbital Flare with 1/8" to 1-3/8" Tubing Cutter and Pen Style Deburring Tool

Product ID	Description
1937685	Orbital Flare Kit with Tubing Cutter and Deburring Tool



1937685

Bending Tools



Compact Bender Kits

Small in size. Big on advantages. The hilmor Compact Bender will help you get the job done right – from start to finish. Small-space capabilities, one-handed operation and precise bends – you get it all. A universal crossbar and color-coded mandrels provide simple setup and easy size identification. An advanced mandrel design and quick-release mechanism allow for an easy tube release. You can count on precise bends of 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" and 7/8" tubing up to 90°.

1839032 Compact Bender Kit:

Body and crossbar for 1/4" to 7/8", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" and 7/8" mandrels.

1926598 Compact Bender Kit with Reverse Bending Attachment:

Body and crossbar for 1/4" to 7/8", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" and 7/8" mandrels and Reverse Bending Attachment.



1839032

Product ID	Description
1839032	Compact Bender Kit
1926598	Compact Bender Kit with Reverse Bending Attachment

Recovery Machine



Lightweight Brushless DC Refrigerant Recovery Machine

Pulls like a powerhouse. Lifts like a feather. The recovery machine designed for you.

Technical Specifications	
Motor	1 HP, Brushless DC, 115v, 60Hz
Motor Speed	3,000 RPM
High Pressure Shut Off	560 PSI (3.86 MPa)
Compatible Refrigerants	R-12, R-134a, R-401C, R-406C, R-500 R-401A, R-412A, R-22, R-407C, R-509, R-409A, R-411A, R-411B, R-402B, R-401B, R-407B, R-502, R-408A R-407A, R-402A, R-407B, R-404A, R-507, R-410A
Compliance	CSA , FCC , AHRI740-1998 UL Verified
Dimensions	14.7" x 14.2" x 10.6"
Net Weight	27 lbs (12.25 kg)



1950536

Valve Core Removal Tools



Valve Core Removal Tool

Valve Core Removal Tools are designed to make work more efficient, but there's nothing efficient about losing tools or equipment. The hilmor Valve Core Removal Tool has a built-in rare-earth magnet on the back of the plunger for convenient jobsite storage. After removing the core for evacuation or change-out, the plunger and valve core can be stored on the side of the unit. The tool comes in both 1/4" and 5/16" sizes.

Product ID	Description
1947967	Valve Core Removal Tool 1/4"
1947968	Valve Core Removal Tool 5/16"



1839032

Pliers



Multi-Function Pliers

The hilmor Multi-Function Pliers bring 5 tools into one! They feature a long nose for grabbing and looping wire. The stripper portion can strip 8 AWG to 18 AWG. The curved cutting blade effectively and efficiently cuts through larger wire sizes. The forged alloy steel provides maximum tool strength and durability and the hot-riveted joint ensures a smooth action and reduced hand wobble.



1885391

Product ID	Description
1885391	Multi-Function Pliers

Wrenches



Digital Adjustable Torque Wrench

The hilmor Digital Adjustable Torque Wrench reduces the risk of refrigerant leaks from over or under tightening a flare nut on a mini-split. The digital screen for torque accuracy, 9 memory settings of common torque values, and light and sound indicators when desired torque is achieved, increases repeatability of proper torque time and time again.



1885391

Product ID	Description
1963826	Digital Adjustable Torque Wrench 1/4" to 11/16"

Vacuum Pumps



Vacuum Pumps

Your days of messing around with clunky, unreliable pumps are over. These twostage rotary vane vacuum pumps have been retooled with features to make pulling vacuum down to 25 microns a breeze..

Technical Specifications				
Product ID	1947970	1948121	1948122	1950532
CFM	3	5	9	12
Motor HP	1/3	1/2	1	1
Power Requirements	4.5A, 230V 60Hz	7.5A, 120V 60Hz	5.5A, 120V 60Hz	7.6A, 120V 60Hz
Motor Speed	1720RPM	3440RPM	1720RPM	2500RPM
Intake Fitting	1/4", 3/8"	1/4", 3/8", 1/2"	1/4", 3/8", 1/2"	1/4", 3/8", 1/2"
Ultimate Vacuum	25 Microns	25 Microns	25 Microns	25 Microns
Oil Capacity	11 oz.	11 oz.	15 oz.	15 oz.
Compliance	CSA	CSA	CSA	CSA
Net Weight	19.7 lbs.	19.7 lbs.	36.2 lbs.	25.5 lbs.



1947970

Vacuum Gauges



Wireless Vacuum Gauge

Easy positioning. Easier readings. Easily, the best vacuum gauge.



1950217

Product ID	Description
1950217	Wireless Vacuum Gauge 33ft

Compact Vacuum Gauge

The hilmor Compact Vacuum Gauge is an all-in-one micron gauge that is durably constructed for everyday use and abuse. An easy to read backlit display provides readings and the two button operation simplifies field use.



CVG1200

Product ID	Description
CVG1200	Compact Vacuum Gauge

Nut Drivers



Reversible Magnetic Nut Drivers

The hilmor Reversible Magnetic Nut Drivers incorporate a high performance socket design that drives the fastener from the flats, not the corners, minimizing slippage. The most fun you can have without stripping!

Product ID	Description
1937881	2-3/4" Reversible Magnetic Hex Driver
1937882	4" Reversible Magnetic Hex Driver
1937883	6" Reversible Magnetic Hex Driver



1937881

1937882

1937883

Sheet Metal Tool



Pocket Brake

The hilmor Pocket Brake is a portable sheet metal scoring tool that permits quick and precise, on the job, sheet metal fabrication.

Product ID	Description
HPB1701	Pocket Brake, Sheet Metal Scoring Tool



HPB1701

Service Tools



Lineset Cleaner

The hilmor Lineset Cleaner uses a pressurized source to launch the carefully selected specialized foam puck into the line set that effectively wipes the pipe clean of all contaminants and remaining refrigerants.

Product ID	Description
HLC007	Lineset Cleaner



HPB1701



Foam Pigs

HLP038, HLP012, HLP058, HLP034, HLP078

Drain Guns



SWOOSH® Drain Gun
Big Shot

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 3/8" – 3/4" drain openings. Flexible hose assembly maneuvers through cabinets, coils and hard to reach drains. Reduces labor costs and time on service calls.



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

Drain Gun Portable Drain
Cleaning Tool

Clears condensate drains with a SWOOSH®! A lightweight (3 oz.) portable tool designed to blow out drain lines instantly. SWOOSH® CO² cartridges deliver 800 PSI of oil free air to clear the line. Each unit comes equipped with a tapered fitting to work on 3/8" – 3/4" drain openings. Flexible hose assembly maneuvers through cabinets, coils and hard to reach drains.



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

SWOOSH® Drain Gun
Double Shot

The SWOOSH® Drain Gun™ Double Shot™ can use a single 20g cartridge or unleash the full power of the SG-2 and load two 20g cartridges for 2.5X more SWOOSH®! The SG-2KIT features the SG-2 Drain Gun™ Double Shot™, two 20 gram SWOOSH® cartridges, a reinforced vinyl hose that's equipped with a tapered fitting to work on 3/8" - 3/4" drain openings, and a universal adapter for multiple drain line clearing accessories.



Product ID	Description
SG-2KIT	SWOOSH Drain Gun Double Shot

Mini-Split Bib Kits

Mini-Split
Cassette Bib® Kit

Cleaning ductless ceiling cassettes is a daunting task, but we've just made it a whole lot easier. Using pressurized water and coil cleaner is the key to a good coil cleaning. Our ductless cassette bib kit installs in seconds and quickly creates a safe funnel where all your water and cleaner are safely deposited into a bucket. Super easy to use and really effective.



Product ID	Description
SC-CB	Cassette Bib w/ Bungees-Bucket

Mini-Split Bib® Kit

The Mini-Split Bib Kit is the fastest way to clean ductless mini-split coils, blower wheels and more. This kit allows you to safely and quickly clean virtually any mini-split system the correct way using pressurized water on coils, blower wheels and more. The patented technology keeps water away from walls and other surroundings and directs it into the 5 gallon bucket for disposal.



Product ID	Description
MSB-KIT	Mini-Split Bib Kit
MSB-KIT-XL	Mini-Split Bib Kit XL
MSB-360-KIT	Mini-Split, 360 Coverage, Kit

Cleaning Systems

CoilJet®

HVAC Coil Cleaner System

CoilJet is a portable HVAC coil cleaning system ideal for cleaning evaporator coils and condenser coil in locations where water and power may be inaccessible, such as rooftops and attics. CJ-125 is designed for portability by including separate water and chemical tanks and a long life rechargeable battery. Expertly clean condenser and evaporator coils no matter where the location may be.



CJ-125

Product ID	Description
CJ-125	CoilJet Portable Coil Cleaner

SpeedyFoam

Condenser Coil Cleaner

SpeedyFoam is safe for coated and uncoated coils. It is an acid-free, alkaline, non-caustic, degreasing foaming formula. (Say that ten times fast, I dare you). It's safer for employees to use, more effective on grease and works great on all metals and has a clean, fresh scent. Plus it's 4x concentrated, so you get more bang for your buck. It's designed for use with CoilJet and Condenser Needle but can be used with pump sprayers too.



SC-FCC-1

Product ID	Description
SC-FCC-1	Speedyfoam Coil Cleaner, 1gal, Case of 4
SC-FCC-5	Speedyfoam 5 Gallon Jug

CoilShot®

Condenser Cleaner Tool

The CoilShot® condenser cleaner tool and tablet system make cleaning condenser coils faster and easier than ever before. The unit connects directly to a garden hose and uses a single pre-measured tablet to apply foaming coil cleaner directly to coils. For added cleaning performance, use it with the optional 3ft wand. The innovative technology quickly cleans coils of dirt, grime, and even grease! Eliminate the need for lugging around and measuring heavy, bulky liquid coil cleaners.



SC-CS-100



SC-CS-TABS

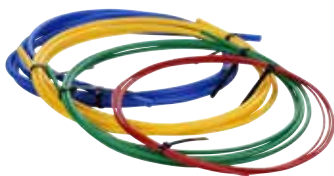
Product ID	Description
SC-CS-100	Coilshot Comp w/Foaming Nozzle
SC-CS-WAND	Coilshot Wand Assembly
SC-CS-TABS	Coilshot Tablets, Pack of 8

Electrical, Tools



EasyBend

Easybend® lineset bender kit (1/4in, 3/8in, 1/2in, 5/8in) does not require removal of insulation. Soft copper only.



EB-1000

Product ID	Description
EB-1000	Easybend® lineset bender kit (1/4", 3/8", 1/2", 5/8")

Nitrogen Purge Tool

The Nitrogen Purge Tool is a quick and easy way to purge copper pipes with nitrogen. Then, with a turn of the dial, quickly switch to a very low flow of nitrogen to properly braze the copper. It has a durable aluminum design so you can just throw it into your tool bag when you are done.



DP-1

Product ID	Description
DP-1	Nitrogen Purge Tool with Adjustable Dial

Condensate Pumps



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

Standard Condensate Pumps

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



CP-22

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

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.



CP-16

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

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



FP-22

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

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



IQP-120

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

Low Profile Specialty Condensate Pumps Standard Applications

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



CP-22LP

Product 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

Condensate Pumps



Pro Condensate Pumps Standard Applications

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



PROCP-16

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

*Note: Without Built-in Safety Overflow Switch

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

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



PROCP-46

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

Ductless Condensate Pumps



A variety of convenient and long-lasting ductless pumps designed for a wide variety of applications.

Ductless Condensate Pumps Standard Applications

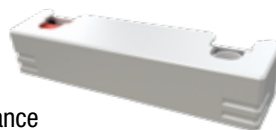
- Quiet Operation (20.2 Decibels)
- Suction Lift 6.5'
- For Equipment up to 36K BTU/h
- Built-in Safety Overflow Switch with Alarm & Run Contacts
- For Wall Mounts & Ceiling Cassettes
- Includes Installation Accessories



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



QUIETMINI-M

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



CVMINI

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

Internal Condensate Pump

- Compact
- Ultra Quiet (19dBA)
- Built-in Check Valve to Prevent Backflow
- Built-in Safety Overflow Switch
- Universal voltage - 115 - 230V 50/60Hz



QUIETMINI-I

Product ID	Description
QUIETMINI-I	Ductless Condensate Pump, 115-230 VAC, 60Hz, 26' Lift

Drain Pans



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

Specialty Plastic Drain Pans

- UV-stabilized and Reinforced Polypropylene
- Powder-coated Steel
- Comes with Mounting Hardware and Drain Pan Outlet



230-DPPL

Product ID	Description
230-DPPL	Large Poly Drain Pan for Mini-Split Systems, 16.75in x 38in
230-DPPM	Medium Poly Drain Pan for Mini-Split Systems, 16.75in x 32.25in

Plastic Drain Pans

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



Complies with Southern Building Code

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

High Rise Drain Pans

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



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

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

Drain Pans



HEAVY DUTY High Rise Pans

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



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

Furnace Pan

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



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

Seamless Metal Drain Pan

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



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

Humidifier Drain Pan

- Designed for use with evaporative humidifiers
- CS-3 Condensate Safety Overflow Switch Included for Extra Protection
- Robust, single piece design



Product ID	Description
HM-PAN	Humidifier Drain Pan

Switches



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

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

Wet Switch® Flood Detector

Wet Switch Flood Detector is designed to prevent flooding, damage to carpets, walls, furniture, and ceilings.

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



Plenum Rated

Product ID	Description
WS-1	Wet Switch Flood Detector ■ ■

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.

- 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



Plenum Rated

Product ID	Description
WS-2DV	Dual Voltage Flood Detector ■ ■

Switches



Latching Float Switch for Secondary Pan

The Asurity® BG-101 protects the HVAC circuit by eliminating intermittent condensate tripping with latching snap action

- Works on both metal and plastic drain pans
- Trips in 50% less water than most industry-standard switches
- Latching mechanism eliminates intermittent condensate tripping
- The system will remain off, even if the water has receded, until manually reset



BG-101

Product ID	Description	
BG-101	Latching Switch-Pan	

Latching Float Switch for Primary Pan

The Asurity® BG-301+ is a primary drain pan switch with a proprietary water reservoir and clear status window design that checks and measures the water level in your pan at several stages.

- Magnetic latching mechanism eliminates intermittent condensate tripping
- The system will remain off, even if the water has receded, until manually reset
- Latching mechanism eliminates intermittent
- System can be reset for short period while waiting for service



BG-301+T

Product ID	Description	
BG-301+T	Latching Switch-Elbow+T	
BG-302P+T	Latching Switch-Elbow Plenum Rated	

Condensate Safety Overflow Switch

- 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



CS-1

Plenum Rated

Product ID	Description	
CS-1	Pipe-Mounted Tee Switch	
CS-1-BULK50	Pipe-Mounted Tee Switch (Bulk)	

Condensate Safety Overflow Switch

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



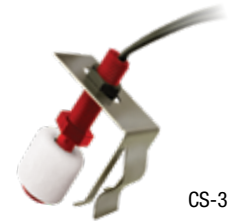
CS-2

Plenum Rated

Product ID	Description	
CS-2	Pipe-Mounted Elbow Switch	
CS-2-BULK50	Pipe-Mounted Elbow Switch (Bulk)	

Condensate Safety Overflow Switch

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



CS-3

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

Condensate Safety Overflow Switch

- 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



CC-1

Product ID	Description	
CC-1	Safety Overflow Pan Switch	

Switches



Condensate Safety Overflow Switch

- 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



Product ID	Description
CS1200	AC Shutoff Switch

Condensate Safety Overflow Switch

- 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



SOS-1

Product ID	Description
SOS-1	Safety Overflow Switch

Installation Components



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



U Trap



Cleaning Brush



Float Switch

A/C Easy Tee

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



ST75

Product ID	Description
ET75	A/C Easy Tee Cleanout Port
ST75	A/C Easy Tee Service Tool Set

Waterless Trap

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



WTRAP

Product ID	Description
WTRAP	3/4" Waterless Trap

Installation Components



Drain Trap Kit

U Trap, Cleaning Brush

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



DTK113B

Product 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, Cross

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



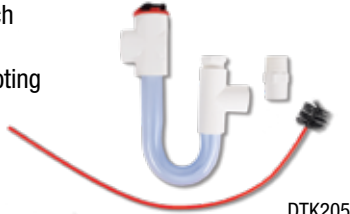
DTK207

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

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



DTK205

Product 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

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



DTK210

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

Treatments



High-efficiency furnaces and on-demand water heaters are great for the environment, but their acidic condensate is not. Asurity™ condensate treatments neutralize the condensate eliminating corrosive damage. Wet environments can cause slime and sludge build-up, leading to blockages. Our range of pan treatment products protect the condensate system reducing maintenance between visits.

Pro-Treat® Condensate Pan Treatment

Condensate Drain Pan Treatment controls odors and eliminates drain pan overflows and the resulting water damage.

- Controls Odor and Pan Overflows
- Combats Sludge, Slime, Fouling
- Helps Maintain Clean Drain Pan
- Approved for Computer Room Use

Product ID	Description	
PROTREAT-152	12 King Size Tablets	1 Tablet - 3 Tons/3Mo.
PROTREAT-161	100 Tablets	2 Tablet - 3 Tons/Mo.
PROTREAT-200	200 Tablets	2 Tablet - 3 Tons/Mo.
PROTREAT-217	200 Thin Tablets	3 Tablet - 3 Tons/Mo.
PROTREAT-350**	100 Tablets	3 Tablet - 3 Tons/Mo.

Notes: ***Industrial Use Only.



PROTREAT-181

Treatments



Pro-Treat[®] Condensate Pan Treatment

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

- Kills Odor-Causing Bacteria
- Controls Odor and Pan Overflows
- Combats Sludge, Slime, Fouling, and Algae Growth

Product ID	Description	
PS-01	For Equipment From 1 to 2 Tons	10 Applications
PS-03	For Equipment From 3 to 5 Tons	6 Applications
PS-07	For Equipment From 7 to 12 Tons	2 Applications
PS-20	For Equipment From 10 to 25 Tons	1 Application
PS-40	For Equipment From 40 to 50 Tons	1 Application

EPA Registered



Each Pan Strip
is a 6-Month Treatment

Flow-Plus[®] Condensate Pan Treatment

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

- Maintains Condensate Flow and Prevents Drain Pan Overflow
- Activated When Condensate Flows Over Surface
- Deodorizes
- Stays in Place
- No Residue

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



FLOW-PLUS-25

Treatments



Horizontal Condensate Neutralizer

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

- Suitable for 400,000 BTU/h at 93% Efficiency
- Prevents Acidic Condensate from Corroding Drains and Sewer Systems
- Helps Maintain a Neutral Environment for Bacteria in Septic Systems
- Suitable for Use on All Types of Natural Gas and Propane Appliances
- Includes Initial Charge of Neutralization Media



CNH-4K

Product ID	Description
CNH-4K	Horizontal Neutralizer Cartridge

Vertical Condensate Neutralizer

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

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



CNV-4K

Product ID	Description
CNV-4K	Vertical Neutralizer Cartridge

Neutralization Tank

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

- Suitable for 3 Million BTU/h at 93% Efficiency
- Prevents Acidic Condensate from Corroding Drains and Sewer Systems
- Helps Maintain a Neutral Environment for Bacteria in Septic Systems
- Suitable for Use on All Types of Natural Gas and Propane Appliances



CNT-3M

Product ID	Description
CNT-3M	Low Profile Neutralization Tank

Neutralization Media

Prevents Acidic Condensate from Corroding Drains and Sewer Systems

Replacement For

CNM-4K	CNV-4K CNH-4K CNHK-4K
CNM-BULK	CNV-4K CNH-4K CNHK-4K
CNM-3M	CNT-3M

Drain Line, Tubing



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

Clear Vinyl Tubing

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

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



7-14

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)

Product 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

Seal Leaks MasterCare

The proven Flex Shot formula that permanently seals and prevents future leaks, no runtime required. The sealant installs in seconds with our patented delivery system. Compatible with units up to 12 Tons.



HVAC/R Leak Sealant
Contents: 1 Hose & 1 Set Of Fittings
985S-MC



HVAC/R Leak Sealant
Contents: 4 Hoses
985M-MC



Inject Adapters
Contents: 1 Set Of Fittings
IA-MC

Super Seal Flex-Inject®

Super Seal Flex Inject® is the fastest, most effective proven way to permanently seal and prevent minor air conditioning and refrigeration (AC/R) leaks. With no tools or gauges required, the Flex Inject® sealant works by travelling through the system with the oil and refrigerant fixing leaks immediately (up to 300 microns). Flex Inject® works with all compressors, heat pumps, condensers, and other system components and it will not plug up manifold gauges, metering devices, thermostatic expansion valves (TXVs), pistons or cause cap tube blockages. It meets the ASHRAE ARI 700 refrigerant standard and is compatible with any refrigerant including R-410A with no pump downs or recoveries required. Flex Inject® is suitable for use in aluminum and copper coils and is microchannel friendly 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)



985

Product ID	Description
985	Super Seal Flex Inject® Advanced

Find & Seal Leaks

MasterCare

These Flex Shot products use a UV dye to quickly find leaks, and our proven formula to permanently seal them, no runtime required. The sealant installs in seconds with our patented delivery system. Compatible with units up to 12 Tons.



HVAC/R Leak Sealant with UV DYE

Contents: 1 Hose & 1 Set Of Fittings
995S-MC



HVAC/R Leak Sealant with UV DYE

Contents: 4 Hoses
995M-MC



Inject Adapters

Contents: 1 Set Of Fittings
IA-MC

Super Seal Flex-Inject® Total

Flex-Inject® Sealant Total is the fastest, most effective proven way to permanently detect, seal, and prevent HVAC/R leaks. One tube can be installed in systems up to 6 tons ranging from small appliances and residential applications to light commercial systems.

DIVERSiTECH



995

Product ID	Description
995	Super Seal Flex Inject® Total w/UV Dye

Find & Seal Leaks

MasterCare

Super Seal Sealant Advanced

Super Seal Sealant Advanced 2-in-1 eliminates moisture and seals to stop and prevents leaks. Super Seal Advanced installs quickly with no pump down or recovery. It's compatible with all oils and refrigerants and ideal for all systems including microchannel, heat pump and geothermal. Super Seal Advanced stops leaks now and prevents future ones too.

Product ID	Description
944KIT	Super Seal Sealant Advanced for medium systems from 1.5 to 5 Tons
947KIT	Super Seal Sealant Advanced for small systems up to 1.5 tons
948KIT	Super Seal Sealant Advanced for large systems 5+ Tons



944KIT

Super Seal Sealant Total

Super Seal Sealant Total 3-in-1 dries, seals and includes Flash UV dye for a complete repair solution. Super Seal Total is fast and easy to install and requires no pump down or recovery. It's compatible with all oils and refrigerants and ideal for all systems including microchannel, heat pump and geothermal. Super Seal Total stops leaks now and prevents future ones too.

Product ID	Description
971KIT	Super Seal Sealant Total for Small Systems - Up To 1.5 Tons
972KIT	Super Seal Sealant Total for medium systems between 1.5 and 5 Tons



971KIT

Super Seal Sure Shot™ + Eco Boost™ A/C Leak Stop Refill Cartridge

Sure Shot™ A/C Leak Stop Refill Cartridge; Application: Up to 6 tons; Systems over 6 tons use multiple Sure Shot™ cartridges;

Product ID	Description
984	Sure Shot Sealant Advanced HVAC/R Stop Leak Refill - Up To 6 Tons



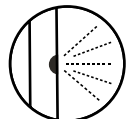
984

Additives



Boost Juice®

Works to raise system performance by up to 22% while eliminating moisture and reducing compressor noise. Compatible with units up to 12 Tons.



ENHANCE PERFORMANCE



Boost Juice®

HVAC/R Performance Enhancer

Contents: 1 Hose

992-MC

Boost Juice® by DiversiTech

Boost Juice® is an HVAC/R system performance improvement additive that lowers energy costs by reducing the amperage draw up to 22% (testing average of 13%) on a system when running. It does this by lubricating the components, removing moisture and oxygen, and dissolving particle debris to a molecular level. This debris is captured in the liquid line drier reducing drag and friction for the refrigerant and oil.

By using Boost Juice, your customers can expect to see noticeable improvements in system performance typically within 24 to 72 hours (depending on the state of the system – new versus old) with consistent performance. Noise levels will also be reduced once Boost Juice is installed providing a long-term benefit to your customers.



992

Product ID	Description
993KIT	Boost Juice Moisture Eliminator and Performance Enhancer - Up To 6 Tons
992	Boost Juice Inject HVAC/R Sytem Performance Improvement Additive- Up to 6 Tons

Dry R

Dry R eliminates moisture and increases system efficiency. It also dissolves blockages and frees up TXVs - preventing acid and waxing formation. Dry R is compatible with all oils and refrigerants and one can treats systems up to 5 tons.

Product ID	Description
973KIT	Dry R Moisture Eliminator - Up To 5 Tons



973KIT

Flushing & System Conversion Solution Products MasterCare

Super Change®

Save time on system conversions with Super Change® retrofit that won't plug TXVs or cap tubes or pistons. Compatible with units up to 12 Tons.



REFRIGERANT RETROFIT



Super Change®

Refrigerant RetroFit

Contents: 1 Hose

991-MC

Super Change™ by DiversiTech

Super Change™ in a can and Super Change™ Inject allows professional HVAC/R contractors a fast and easy way to convert a system from non-POE based oils and refrigerants such as R22 to newer HFC refrigerants including POE-based R407C and R410A without the need to flush the system (excluding compressor burnouts). By adding Super Change with the new refrigerant and oil, a chemical link is created between the old and new oil, thus avoiding a full flush and saving contractors significant time on a system changeout.



Product ID	Description
981	Super Change eliminates oil change outs replacing R22 line set conversion flushes. Ideal for dry charged units, retrofits, and drop-in refrigerants, Super Change maximizes oil return and heat transfer including POE charged compressors. Reusable hose 20122
991	Super Change Inject is used to convert old refrigerants such as R22 to newer HFC refrigerants like R407C and R410A for systems up to 6 Tons

981

Flushing & System Conversion Solution Products



Pro-Flush™

A flushing solvent for A/C and refrigeration systems formulated for R-410A retrofits, refrigerant conversions and compressor burnouts. Compatible with all refrigerants and compressor oils. All solvents in Pro-Flush™ conforms to EPA SNAP standards: low toxicity and residue-free.

Available as a kit or in an 8 or 16 oz. solvent refill. The kit makes servicing quick, easy, and safe, as well as assuring you get to the job site with all necessary hardware in hand for 1-stop servicing. The kit includes: 8 oz. container of Pro-Flush™ solvent, refillable Pro-Flush™ injector tool pressure tank, pressure relief valve for added safety, large rubber adapter that flushes up to 1-1/4" line sets, service hose.

Product ID	Description
PF-08	Pro-Flush™ HVAC Flushing Solvent – 8 oz. Refill
PF-16	Pro-Flush™ HVAC Flushing Solvent – 16 oz. Refill
PF-KIT	Pro-Flush™ Kit – injector, 8 oz. refill, nozzle adapter and hose



PF-KIT

Pro-Flush™ Accessories

Pro-Flush Accessories include replacement parts and special fittings to maintain your Pro-Flush flushing system.

Product ID	Description
PF-ADAPTER	Pro-Flush™ Line Set Adapter - Includes fittings for 3/8", 3/4", 7/8" lines
PF-IHOSE	2ft. Replacement Hose
PF-IGUN	Replacement Injector Tool



PF-ADAPTER

Leak Detectors & Accessories



Flash Detect UV Dye Solutions

Flash™ Detect Inject (990) is an integrated UV dye solution that injects just like Flex Inject Sealant Advanced and Total without the use of tools or manifold gauges. As soon as it enters the system, the green dye quickly exposes leaks with the use of a UV light (the Cliplight by DiversiTech 89DC is recommended). Flash™ Detect Inject is ideal in locations where leaks are not easily spotted with conventional methods. The highly soluble fluid exposes all leaks, making them easy to find. You can then use either DiversiTech's Super Seal Sealant Advanced (can version) or Flex Inject Sealant Advanced (flexible hose version) to fix the leak.

Flash™ Detect UV dye (980) is the can version of the advanced class of highly concentrated ultraviolet dye that uses DRY R™ instead of POE oil as its carrier. One can treats up to 64 oz (1.8L) of oil. Flash Detect UV dye uses the system's refrigerant as the propellant – creating a clean, no-mess injection every time

Required hose sold separately (20122).

Product ID	Description
980	Flash Universal UV Dye - Up To 5 Tons
990	Flash Detect Inject UV dye for detecting leaks for systems up to 6 tons



980

Leak Detectors & Accessories



SEEKERmini™

Leak Detection UV LED Light

- High-powered UV LED
- High, low, or strobe light
- Focusable beam
- Rugged aluminum body
- 3 AAA batteries included
- No UV enhancing glasses needed



84DCPLUS

Product ID	Description
84DCPLUS	SEEKERmini - UV Led Light - 3 AAA Batteries Included

Pro Bubble™ Leak Detector

Pro-Bubble™ Leak Detector, Spray, 32 oz. is an easy-to-use, high-bubbling, viscoelastic blue leak detector. Detects pinpoint leaks. 32 oz spray bottle.



PRO-BUBBLE-32

Product ID	Description
PRO-BUBBLE-32	Pro-Bubble™ Leak Detector – 32 oz. bottle with Spray Top

Coil Cleaners



Triple-D®

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

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

Product 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

TRIPLE-D-1SHOT

TRIPLE-D

TRIPLE-D-4X

Coil Cleaners



Pro-Green™

- 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

Product ID	Description
PRO-GREEN	Pro-Green™ No Rinse (non-toxic) – 1 gallon container
PRO-GREEN-5	Pro-Green™ No Rinse (non-toxic) – 5 gallon pail
PRO-GREEN-32	Pro-Green™ No Rinse (non-toxic) – 32 oz. bottle
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-Blue™

- 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.

Product ID	Description
PRO-BLUE	Pro-Blue™ Foaming Concentrate (non-acid) – 1 gallon container
PRO-BLUE-5	Pro-Blue™ Foaming Concentrate (non-acid) – 5 gallon pail
PRO-BLUE-55	Pro-Blue™ Foaming Concentrate (non-acid) - 55 gallon container
PRO-BLUE-32	Pro-Blue™ Foaming Concentrate - 32oz. bottle
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



Coil Cleaners

MasterCare

Pro-Red+™

- 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.



PRO-RED-1SHOT



PRO-RED+

PRO-RED-4X

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

Pro-Yellow™

- 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

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



PRO-YELLOW

Pro-Brown™

- 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

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



PRO-BROWN

Silicone

302 (GP) General Purpose

- Available in multiple colours
- The ideal multiple purpose silicone sealant for all weather applications
- NSF Approved
- 100% Silicone
- 100% RTV

Product ID	Colour	Size (ml/oz)	Cs. Qty
83-30280	Clear	83/2.8(squeeze tube)	24
83-30283	Black	83/2.8(squeeze tube)	24
83-30201	White	300/10.15	12
83-30200	Clear	300/10.15	12
83-30202	Aluminium	300/10.15	12
83-30203	Black	300/10.15	12



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

Product ID	Colour	Size (ml/oz)	Cs. Qty
83-30289	Red- HT	83/2.8 (Squeeze Tube)	24
83-30293	Black-HT	83/2.8 (Squeeze Tube)	24
83-30209	Red-HT	300/10.15	12
83-30213	Black-HT	300/10.15	12



Insulation Tubes

Flexible Closed Cell Elastomeric Pipe Insulation



- Tubes are black and unslit
- Available in 3/8", 1/2", 3/4" and 1" wall thickness for 1/4" to 3 1/8" OD copper tube size
- Foamed nitrile rubber (NBR)
- Environmentally friendly CFC free
- Temperature range -40°C to 105°C (special build available to -200°C)
- Will not harden or become brittle at temperatures as low as -40°C
- Talc coating on inner surface allows for quick, easy installation over pipes
- Odourless and will not corrode copper
- Standards: CAN/ULC S102.2, ASTM E84, DIN52 218, DIN 52 612, DIN 52 613, DIN 52 615, BS 476 Part 6, BS 476 Part 7, RoHS compliant
- Self-extinguishing fire reaction and will not drip
- Fibre and dust free



Cell Structure	Closed foamed nitrile rubber
Density- KG/M ³	60-80
Thermal Conductivity- W/M-K	0.038
Temperature Limit C°	-40°C to +105°C
Water Absorption	3
Resistance to Ozone	Excellent
Fire Rating	CAN/ULC S102.2, ASTM E84,
Flammability	Self Extinguishing
Fire Propagation	BS 476 part 6&7
Odour	None
Copper Corrosion	No Corrosion
Mildew Resistance	Passed

This product is made from a closed cell elastomeric material. It is soft, flexible, heat and cold resistant, flame retardant, waterproof, shock and sound absorbing. Wraptite Insulation tubes are dust free, fiber free, CFC free, and have an ODP of zero. They are also formaldehyde free, have low VOCs, and are resistant to mold and mildew.

Thickness Recommendations

Environmental Conditions: 27°C/50%RH

Pipe Size	Line Temp			
	14°C (58°F)	7°C (45°F)	5°C (37°F)	-18°C (0°F)
10mm (3/8") I.D. to 76mm (3") I.P.S	9mm (3/8")	9mm (3/8")	9mm (3/8")	19mm (3/4")

Environmental Conditions: 30°C/70%RH

Pipe Size	14°C (58°F)	7°C (45°F)	5°C (37°F)	-18°C (0°F)
10mm (3/8") I.D. to 76mm (3") I.P.S	13mm (1/2")	19mm (3/4")	19mm (3/4")	38mm (1 1/2")

Environmental Conditions: 32°C/80%RH

Pipe Size	14°C (58°F)	7°C (45°F)	5°C (37°F)	-18°C (0°F)
10mm (3/8") I.D. to 76mm (3") I.P.S	13mm (1/2")	19mm (3/4")	19mm (3/4")	38mm (1 1/2")

Environmental Conditions: 32°C/85%RH

Pipe Size	14°C (58°F)	7°C (45°F)	5°C (37°F)	-18°C (0°F)
10mm (3/8") I.D. to 76mm (3") I.P.S	13mm (1/2")	19mm (3/4")	19mm (3/4")	38mm (1 1/2")

Insulation Tubes



Alltemp Product ID	Wall Thickness	Copper Tube Size		Iron Pipe Size (IPS)		Pcs/Ctn	Ft/Ctn
		HVAC/R (OD)	Plumbing (ID)	Nominal			
82-PW3814	3/8"	1/4"	-	-		168	1008
82-PW3838	3/8"	3/8"	1/4"	1/8"		120	720
82-PW3812	3/8"	1/2"	3/8"	1/4"		100	600
82-PW3858	3/8"	5/8"	1/2"	3/8"		90	540
82-PW3834	3/8"	3/4"	5/8"	-		72	432
82-PW3878	3/8"	7/8"	3/4"	1/2"		65	390
82-PW38118	3/8"	1 1/8"	1"	3/4"		49	294
82-PW38138	3/8"	1 3/8"	1 1/4"	1"		36	216
82-PW38158	3/8"	1 5/8"	1 1/2"	1 1/4"		30	180
82-PW38218	3/8"	2 1/8"	2"	-		20	120
82-PW38258	3/8"	2 5/8"	2 1/2"	-		18	108
82-PW1214	1/2"	1/4"	-	-		100	600
82-PW1238	1/2"	3/8"	1/4"	1/8"		90	540
82-PW1212	1/2"	1/2"	3/8"	1/4"		72	432
82-PW1258	1/2"	5/8"	1/2"	3/8"		63	378
82-PW1234	1/2"	3/4"	5/8"	-		56	336
82-PW1278	1/2"	7/8"	3/4"	1/2"		42	252
82-PW12118	1/2"	1 1/8"	1"	3/4"		36	216
82-PW12138	1/2"	1 3/8"	1 1/4"	1"		30	180
82-PW12158	1/2"	1 5/8"	1 1/2"	1 1/4"		25	150
82-PW12218	1/2"	2 1/8"	2"	-		18	108
82-PW12258	1/2"	2 5/8"	2 1/2"	-		13	78

Alltemp Product ID	Wall Thickness	Copper Tube Size		Iron Pipe Size (IPS)		Pcs/Ctn	Ft/Ctn
		HVAC/R (OD)	Plumbing (ID)	Nominal			
82-PW3438	3/4"	3/8"	1/4"	1/8"		36	216
82-PW3412	3/4"	1/2"	3/8"	1/4"		30	180
82-PW3458	3/4"	5/8"	1/2"	3/8"		30	180
82-PW3434	3/4"	3/4"	5/8"	*		25	150
82-PW3478	3/4"	7/8"	3/4"	1/2"		24	144
82-PW34118	3/4"	1 1/8"	1"	3/4"		20	120
82-PW34138	3/4"	1 3/8"	1 1/4"	1"		16	96
82-PW34258	3/4"	2 5/8"	2 1/2"	*		9	54
82-PW34318	3/4"	3 1/8"	3"	*		8	48
82-PW138	1"	3/8"	1/4"	1/8"		30	180
82-PW112	1"	1/2"	3/8"	1/4"		24	144
82-PW158	1"	5/8"	1/2"	3/8"		20	120
82-PW134	1"	3/4"	5/8"	*		20	120
82-PW178	1"	7/8"	3/4"	1/2"		18	108
82-PW1118	1"	1 1/8"	1"	3/4"		16	96
82-PW1138	1"	1 3/8"	1 1/4"	1"		12	72
82-PW1158	1"	1 5/8"	1 1/2"	1 1/4"		12	72

Insulation Products

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.



Product ID	Description
84-PT-30	Cork Tape 1/8" x 2" x 30' Roll



Wraptite Foam Insulation Tape

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

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

Product ID	Description
84-FT-30	Foam Tape 1/8" x 2" x 30' Roll



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.

84-PC-30
Illustrated



84-PS-30
Illustrated



Product ID	Description
84-FT-30	3/8" x 25' Cord
84-PS-30	2 lb. Slug



SpeediChannel™ Line Set Cover System



SpeediChannel™ Line Set Cover System is a system used to cover line sets, drain lines, and control cables when they can not be installed in a wall. Featuring the unique SpeediClip™, DiversiTech's SpeediChannel™ system can be installed extremely quickly by one person.

Flexible Hose Kits

Flexible hose kits of SpeediChannel™ that are protecting the line set from the condensing unit to the wall. They also provide a quick and easy connection between two lengths of channels over or around obstacles. The kits come with everything needed for a clean professional installation.



Product ID	Description
230-FH3-KIT	SpeediChannel 3in. Flex Hose Kit Ivory
230-FH3W-KIT	SpeediChannel 3in. Flex Hose Kit White
230-FH4-KIT	SpeediChannel 4in. Flex Hose Kit Ivory
230-FH4W-KIT	SpeediChannel 4in. Flex Hose Kit White

Wall Penetration

Wall sleeves and penetration covers are used to transition from the SpeediChannel™ system to a through wall penetration. The wall sleeve creates a neat hole through the wall, and the line set is covered by the wall cover. DiversiTech's wall covers are designed to allow for easy installation - even after the line set has been installed. A unique hooking and fastening arrangement allows for quick and easy installation. Each wall cover is individually packed, and is furnished complete with stainless steel screws to attach the wall cover to the base. Three screws (supplied by others) are needed to fasten the wall cover to whatever type of wall construction the system is being installed on.

Product ID	Description
230-WC3	SpeediChannel 3in. Wall Penetration Cover
230-WC3B	SpeediChannel 3in. Wall Penetration Cover Brown
230-WC3W	SpeediChannel 3in. Wall Penetration Cover White
230-WC4	SpeediChannel 4in. Wall Penetration Cover
230-WC4B	SpeediChannel 4in. Wall Penetration Cover Brown
230-WC4W	SpeediChannel 4in. Wall Penetration Cover White
230-WC6	SpeediChannel 6in. Wall Penetration Cover
230-WC6B	SpeediChannel 6in. Wall Penetration Cover Brown
230-WC6W	SpeediChannel 6in. Wall Penetration Cover White
230-WS2	SpeediChannel 2-1/2" Wall Penetrating Sleeve



90° Flat Bend

90 degree flat bends are used to route the SpeediChannel™ around an obstacle. Each bend is individually packed, and is furnished complete with stainless steel screws.

Product ID	Description
230-FB3	SpeediChannel 3in. 90 Degree Flat Bend
230-FB3B	SpeediChannel 3in. 90 Degree Flat Bend Brown
230-FB3W	SpeediChannel 3in. 90 Degree Flat Bend White
230-FB4	SpeediChannel 4in. 90 Degree Flat Bend
230-FB4B	SpeediChannel 4in. 90 Degree Flat Bend Brown
230-FB4W	SpeediChannel 4in. 90 Degree Flat Bend White
230-FB6	SpeediChannel 6in. 90 Degree Flat Bend
230-FB6W	SpeediChannel 6in. 90 Degree Flat Bend White



SpeediChannel™ Line Set Cover System

45° Flat Bend

45 degree flat bends are used to route the SpeediChannel™ around an obstacle. Each bend is individually packed, and is furnished complete with stainless steel screws.



Product ID	Description
230-FB453	SpeediChannel 3in. 45 Degree Flat Bend
230-FB453B	SpeediChannel 3in. 45 Degree Flat Bend Brown
230-FB453W	SpeediChannel 3in. 45 Degree Flat Bend White
230-FB454	SpeediChannel 4in. 45 Degree Flat Bend
230-FB454B	SpeediChannel 4in. 45 Degree Flat Bend Brown
230-FB454W	SpeediChannel 4in. 45 Degree Flat Bend White
230-FB456	SpeediChannel 6in. 45 Degree Flat Bend
230-FB456W	SpeediChannel 6in. 45 Degree Flat Bend White



90° Inside Elbow

90 degree inside elbows are used to route the SpeediChannel™ around an inside corner. Each elbow is individually packed, and is furnished complete with stainless steel screws.

Product ID	Description
230-EB3	SpeediChannel 3in. 90 Degree Inside Elbow
230-EB3B	SpeediChannel 3in. 90 Degree Inside Elbow Brown
230-EB3W	SpeediChannel 3in. 90 Degree Inside Elbow White
230-EB4	SpeediChannel 4in. 90 Degree Inside Elbow
230-EB4B	SpeediChannel 4in. 90 Degree Inside Elbow Brown
230-EB4W	SpeediChannel 4in. 90 Degree Inside Elbow White
230-EB6	SpeediChannel 6in. 90 Degree Inside Elbow
230-EB6W	SpeediChannel 6in. 90 Degree Inside Elbow White



90° Long Radius Bend

90 degree long radius flat bends are used to route the SpeediChannel™ around an obstacle. The long radius of the elbow allows a gentle bending radius on the copper line set. Each elbow is individually packed, and is furnished complete with stainless steel screws.

Product ID	Description
230-LFB3	SpeediChannel 3in. 90 Degree Long Radius Bend
230-LFB3B	SpeediChannel 3in. 90 Degree Long Radius Bend Brown
230-LFB3W	SpeediChannel 3in. 90 Degree Long Radius Bend White
230-LFB4	SpeediChannel 4in. 90 Degree Long Radius Bend
230-LFB4B	SpeediChannel 4in. 90 Degree Long Radius Bend Brown
230-LFB4W	SpeediChannel 4in. 90 Degree Long Radius Bend White
230-LFB6	SpeediChannel 6in. 90 Degree Long Radius Bend
230-LFB6W	SpeediChannel 6in. 90 Degree Long Radius Bend White



SpeediChannel™ Line Set Cover System

90° Outside Elbow

90 degree outside elbows are used to route the SpeediChannel™ around an outside corner. Each elbow is individually packed, and is furnished complete with stainless steel screws.



Product ID	Description
230-EIN3	SpeediChannel 3in 90 Degree Outside Elbow
230-EIN3B	SpeediChannel 3in 90 Degree Outside Elbow Brown
230-EIN3W	SpeediChannel 3in 90 Degree Outside Elbow White
230-EIN4	SpeediChannel 4in 90 Degree Outside Elbow
230-EIN4B	SpeediChannel 4in 90 Degree Outside Elbow Brown
230-EIN4W	SpeediChannel 4in 90 Degree Outside Elbow White
230-EIN6	SpeediChannel 6in 90 Degree Outside Elbow
230-EIN6W	SpeediChannel 6in 90 Degree Outside Elbow White



Adjustable Flat Bend

Adjustable flat bends flex from 45 to 90 degrees and make it easy to route the SpeediChannel™ around an obstacle. Each adjustable bend is individually packed and includes stainless steel screws.

Product ID	Description
230-AFB3	SpeediChannel 3in. Adjustable Flat Bend
230-AFB3W	SpeediChannel 3in. Adjustable Flat Bend White
230-AFB4	SpeediChannel 4in. Adjustable Flat Bend
230-AFB4W	SpeediChannel 4in. Adjustable Flat Bend White



Duct End

The duct end is used to terminate a run of SpeediChannel™ to a small opening – just large enough for the line set and condensate drain line to pass through. Gives a neat/clean installation.

Product ID	Description
230-DE3	SpeediChannel 3in. Duct End
230-DE3B	SpeediChannel 3in. Duct End Brown
230-DE3W	SpeediChannel 3in. Duct End White
230-DE4	SpeediChannel 4in. Duct End
230-DE4B	SpeediChannel 4in. Duct End Brown
230-DE4W	SpeediChannel 4in. Duct End White
230-DE6	SpeediChannel 6in. Duct End
230-DE6W	SpeediChannel 6in. Duct End White



Union Coupling

Used for joining two pieces of SpeediChannel™ — each cover being the same size. Each coupling is individually packed, and is furnished complete with stainless steel screws.

Product ID	Description
230-CP3	SpeediChannel 3in. Union Coupling
230-CP3B	SpeediChannel 3in. Union Coupling Brown
230-CP3W	SpeediChannel 3in. Union Coupling White
230-CP4	SpeediChannel 4in. Union Coupling
230-CP4B	SpeediChannel 4in. Union Coupling Brown
230-CP4W	SpeediChannel 4in. Union Coupling White
230-CP6	SpeediChannel 6in. Union Coupling
230-CP6W	SpeediChannel 6in. Union Coupling White



SpeediChannel™ Line Set Cover System

Cap

Used to cap the end of a SpeediChannel™ run. Easily snaps into the end of the SpeediChannel™.



Product ID	Description
230-DC3	SpeediChannel 3in. Cap
230-DC3W	SpeediChannel 3in. Cap White
230-DC4	SpeediChannel 4in. Cap
230-DC4W	SpeediChannel 4in. Cap White
230-DC6	SpeediChannel 6in. Cap
230-DC6W	SpeediChannel 6in. Cap White



Flat Wall Escutcheon

Typically used to cover a rough opening in a soffit, wall, or ceiling penetration. One side of the escutcheon is flat to allow for a SpeediChannel™ run going along a wall, and penetrating through an adjacent wall or ceiling. This is the most common type of wall penetration. Furnished in two parts, the escutcheon easily snaps onto the SpeediChannel™.

Product ID	Description
230-FR3	SpeediChannel 3in. Flat Wall Escutcheon
230-FR3W	SpeediChannel 3in. Flat Wall Escutcheon White
230-FR4	SpeediChannel 4in. Flat Wall Escutcheon
230-FR4W	SpeediChannel 4in. Flat Wall Escutcheon White
230-FR6	SpeediChannel 6in. Flat Wall Escutcheon
230-FR6W	SpeediChannel 6in. Flat Wall Escutcheon White



Wall Escutcheon

Typically used to cover a rough opening in a wall or ceiling penetration. The hole in the escutcheon is centered to allow for a free standing SpeediChannel™ to penetrate through a wall or ceiling. This is the fairly un-common type of wall or ceiling penetration. Check carefully, as you may need the Flat Wall Escutcheon. Furnished in two parts, the escutcheon easily snaps onto the SpeediChannel™.

Product ID	Description
230-WR3	SpeediChannel 3in. Wall Escutcheon
230-WR3W	SpeediChannel 3in. Wall Escutcheon White
230-WR4	SpeediChannel 4in. Wall Escutcheon
230-WR4W	SpeediChannel 4in. Wall Escutcheon White
230-WR6	SpeediChannel 6in. Wall Escutcheon
230-WR6W	SpeediChannel 6in. Wall Escutcheon White



Reducer Coupling

Used for joining two pieces of SpeediChannel™ — each cover being a different size. Each coupling is individually packed, and is furnished complete with stainless steel screws.

Product ID	Description
230-TC34	SpeediChannel 3in.x 4in. Reducer Coupling
230-TC34W	SpeediChannel 3in.x 4in. Reducer Coupling White
230-TC46	SpeediChannel 4in.x 6in. Reducer Coupling
230-TC46W	SpeediChannel 4in.x 6in. Reducer Coupling White



SpeediChannel™ Line Set Cover System

Soffit Fitting

Ideal for outdoor applications where the SpeediChannel™ runs up an exterior wall and enters the house vertically through the soffit. Its large flat surface area easily covers the rough opening cut in the soffit. Furnished in two parts, the Soffit Fitting easily snaps onto the SpeediChannel™ for a clean installation.



Product ID	Description
230-SF3	SpeediChannel 3in. Soffit Fitting
230-SF3W	SpeediChannel 3in. Soffit Fitting White
230-SF4	SpeediChannel 4in. Soffit Fitting
230-SF4W	SpeediChannel 4in. Soffit Fitting White



Flex Joint

An accordion style piece of SpeediChannel™, the flex joint can be extremely flexible routing a SpeediChannel™ system around virtually any type of obstacle. Each joint is 20in. long and can be combined together for longer flex runs. Unlike competitor systems, the DiversiTech flex joint does NOT require the use of a union coupling. The DiversiTech flex joint slides tightly inside the SpeediChannel™ system.

Product ID	Description
230-FJ3	SpeediChannel 3in. Flex Joint
230-FJ3W	SpeediChannel 3in. Flex Joint White
230-FJ4	SpeediChannel 4in. Flex Joint



T-Joint

Used for creating a tee connection between three pieces of SpeediChannel™ – all covers being the same size. The tee can be combined with the reducing coupling to join SpeediChannel™ of different sizes. Each tee is individually packed, and 230-TJ4 is furnished complete with stainless steel screws.

Product ID	Description
230-TJ4	SpeediChannel 4in. T Joint
230-TJ4B	SpeediChannel 4in. T Joint Brown
230-TJ4W	SpeediChannel 4in. T Joint White
230-TJ6	SpeediChannel 6in. T Joint
230-TJ6W	SpeediChannel 6in. T Joint White



Fitting Kit

The SpeediChannel™ Fitting Kits provides a simple mix of the basic fittings used in a typical SpeediChannel™ installation job. Included in the basic kits are one coupling, one wall penetration, one inside elbow, one long radius flat bend, and one pack of ten SpeediClips and 11in. cable ties. The 230-IKC3 and 230-IKC4 Installation kits include three 48" pieces of channel and selected fittings.

Product ID	Description
230-IKC3	SpeediChannel 3in. Installation Kit w/Channel
230-IKC3W	SpeediChannel 3in. Installation Kit w/Channel White
230-IKC4	SpeediChannel 4in. Installation Kit w/Channel
230-IKC4W	SpeediChannel 4in. Installation Kit w/Channel White



SpeediChannel™ Line Set Cover System

SpeediChannel™ Accessories

A variety of accessories that are complementary or required for installing DiversiTech's SpeediChannel™ system.



Product ID	Description
230-DCLIP	SpeediClip™ Pack of 50
230-DCLIP-10	SpeediClip™ and 11in Cable Ties, Pack of 10
230-DSCREW	SpeediChannel™ Pack of 100



Universal Pump Elbow

The Universal Pump Elbow lets an installer use any mini pump of their choice and install it with SpeediChannel. Includes pump elbow and reservoir mounting brackets to fit most mini-split pumps.

Product ID	Description
230-PFB3	Universale Pump Elbow for SpeediChannel - Complete Kit



Refrigerant Recovery Tanks

- All tanks meet ARI guidelines and government specifications for CFC, HCFC & HFC recovered refrigerants, including R11, R12, R22, R500, R502, R134a and R414b.
- Tough yellow & grey (blue for Automotive R134a) polyurethane finish protects against rust and corrosion.
- Atmospherically controlled heat treat oven assures clean cylinder interior.
- Rugged steel withstands the rigours of grueling work-a-day use.
- All tanks meet Transport Canada specifications.

Product ID	Description
54-RC30	30 lb tank equipped with liquid/ vapour Y valve.
54-RC60F	54-RC60 with 54-EN1285 float switch installed.

Notes: 350 psi working pressure (54-RC30, RC60 & RC100 series) and 260 psi working pressure (54-RC200 & RC1000 series).



Liquid Tight Connectors - One Piece

1 Piece Non-Metal Connectors

- Installation - no disassembly required, simply screw the connector onto the conduit.
- Design allows superior liquid tight seal and optimum pull strength.
- PVC construction.
- Produced from UV rated material for long outdoor life.
- Time and cost saving benefits over other brands.
- Reusable design.
- Ideal for conduit assemblies and installers.
- Resists salt water, weak acids, gasoline, alcohol, oil, grease & most common solvents

Applications

- Indoor or outdoor use
- OEM equipment
- Field installations

Product ID	Alternate	Size	Description	Pkg
11-88503	750-SLTC50	1/2"	Straight Connector	25
11-88518	750-SLTC9050	1/2"	90° Connector	10
11-88505	750-SLTC75	3/4"	Straight Connector	25
11-88520	750-SLTC9075	3/4"	90° Connector	10



UL & cUL
listed



2 Piece Non-Metal Connectors

- Installation - simply push conduit onto ferrule, then tighten the domed sealing nut. The completed assembly is then secured to the chassis using the locknut.
- Produced from UV rated material for long outdoor life.
- Conduit & connector system is completely reusable.
- Nylon construction
- Standard colour - Gray
- Resists salt water, weak acids, gasoline, alcohol, oil, grease & most common solvents

Applications

- Indoor or outdoor use
- OEM equipment
- Field installations

Product ID	Alternate	Size	Description	Pkg
11-88403	750-NMLT50	1/2"	Straight Connector	25
11-88418	750-NMLT9050	1/2"	90° Connector	10
11-88405	750-NMLT75	3/4"	Straight Connector	25
11-88420	750-NMLT9075	3/4"	90° Connector	10



UL listed
CSA certified



Electrical Disconnect Switches

Features

- Metal
- Rated NEMA 3R for outdoor use
- Line, load, and ground terminals aligned for easy hook up with heavy wires
- Full dead front
- Knockouts accommodate three sizes (1/2", 3/4", and 1")
- Rear, bottom and side entry knockouts
- Heavy gauge steel case
- Individually wrapped in boxes of 6
- Folding pivot locking tab



DDS-30



EDS-60U



DDS-60SW



11-U065NA1



750-P60NF

Product ID	Description
11-U065NA1	Non Fusible A/C Electrical Disconnect Switch, Lift-Up Door
750-P60NF	60A Non Fusible Disconnect Switch, Non-Metallic Case, Plastic
PD60NF	60 A Non Fused Top Open Pullout Style
PD30F	30 A Fused Top Open Pullout Style
PD60F	60 A Fused Top Open Pullout Style
DDS-60U	60 A Non Fused Side Open Pullout Style
DDS-60SW	60 A Non Fused Side Open Switch Style
DDS-30	30A Fusible Disconnect Switch
EDS-60U	60 A Non Fused Side Open Low Profile Pull Out Style
Dimensions (LxWxH): 8.77 x 5.45 x 3.18	

Liquid Tight Connectors - One Piece

Flexible Conduit

- Rigid coils combined with flexible PVC construction provide superior wire protection in a variety of extreme environmental & application conditions.
- Smooth inside for easier wire feeding & pulling.
- Use with nylon or PVC straight or 90° Liquid Tight connectors.
- Metallic connectors can be used.
- Temperature range: -18°C to 75°C.
- UL listed, CSA certified.

Product ID	Size	Length
750-12100	1/2"	100'
750-34100	3/4"	100'

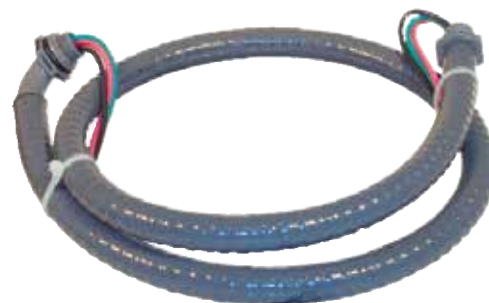


Installation Whips

Pre-Assembled Whips Include:

- Non-Metallic Liquid Tight conduit (cUL listed).
- 2 One-piece non-metal PVC fittings applied (9cUL listed).
 - 1 straight Liquid Tight fitting.
 - 1 90° Liquid Tight fitting.
- 2 reducing washers on 1/2" whips.
- 11" wire exposure each end.

Product ID	Size	Length	Max Amp Rating	Gauge
6-12-4NM	1/2"	4'	60	10
6-12-6NM	1/2"	6'	60	10
6-34-6NM	3/4"	6'	100	8**



Transformers

Foot & Multi-Mount

Packard



Product ID	Primary Voltage	VA Rating	Secondary Rating	Mounting Option	Connection	Direct Replacement	Notes
PF42420	120/208/240	20VA	24	Foot	Wire Lead	Jard 2031F UET 114	
PF12440	120	40VA	24	Foot	Wire Lead	Jard 4011F	
PF42440	120/208/240	40VA	24	Foot	Wire Lead	Jard 4031F UET 115	
PF40224	208/240	40VA	24	Foot	Terminals	Goodman 013M00138S	
PM44450	120/208/240	50VA	24	Multi	Wire Lead/Term	Jard 5031M UET 150	118
PF52475F	120/208/240/480	75VA	24	Foot	Wire Lead	Jard 7541M UET 175	118

Notes: 118. Built-in fuse included

Transformers

Foot & Multi-Mount

TITAN HD®



TF12440A



TF22440A



TF40224A



TF40310EMA



TF40350A



TF42440A



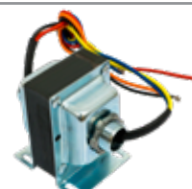
TF42450A



TF52475A



TM12440A



TM32440A



TM44450A



TM52460A



TM524100A

Product ID	Primary Voltage	VA Rating	Secondary Rating	Mounting Option	Connection	Direct Replacement
TF12440A	120V	40	24V	Foot	Wire Lead	AT140A1000, AT140B1206
TM12440A	120V	40	24V	Multi	Wire Lead	90-4011M
TF40310EMA	120/208/240V	40	24V	Foot	1/4" Spade Terminal	GT40310EM, 46-101905-01
TF42440A	120/208/240V	40	24V	Foot	Wire Lead	AT140A1018, AT40A1121
TF22440A	208/240V	40	24V	Foot	Wire Lead	AT40A1139, AT40B1032
TF40224A	208/240V	40	24V	Foot	1/4" Spade Terminal	0130M00138, 14262087
TM32440A	120/208/240V	40	24V	Multi	Wire Lead	90-4021M, AT140A1026
TF40350A	120/208/240V	50	24V	Foot	Wire Lead	GT5031F, 46-102856-02
TF42450A	120/208/240/480V	50	24V	Foot	Wire Lead	GT5041C
TM44450A	120/208/240V	50	24V	Multi	Primary - Wire Lead, Secondary - Screw Terminal	AT150A1007, 90-5031M
TM52460A*	120/208/240V	60	24V	Multi	Wire Lead	GT6041C, UET160
TF52475A*	120/208/240/480V	75	24V	Foot	Wire Lead	90-T75C3, GT7541C
TM524100A*	120/208/240/480V	100	24V	Multi	Wire Lead	GT10041C

* Equipped with a circuit breaker

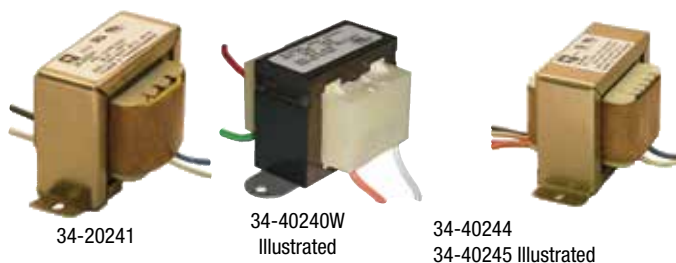
Control Transformers

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.

Features

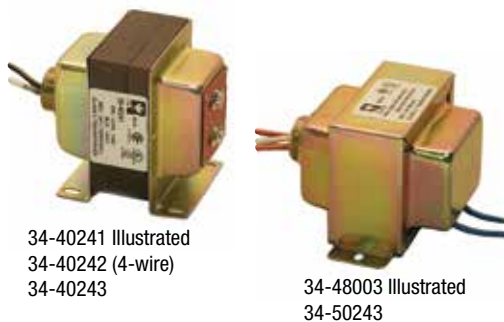
- Compact superior design.
- Individually boxed with instructions.
- Includes necessary mounting hardware.
- Complete cross-reference.

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



Foot Mount

Product ID	VA	Primary Voltage	Secondary Voltage	Connections
34-20241	20	120	24	Wire
34-40244	40	120	24	Wire
34-40240W	40	240	24	Wire
34-40245	40	120/ 208/ 240	24	Wire
34-50254	50	575	24	QC



Multi Mount (Foot, Plate, Conduit)

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

Product ID	VA	Primary Voltage	Secondary Voltage	Connections
34-40241	40	120	24	Screw
34-40242	40	208/ 240 / 277	24	Screw
34-40243	40	120/ 208/ 240	24	Screw
34-48003	48	120/ 208/ 240	2.5 / 12 / 24	Wire
34-50243	50	120/ 208/ 240	24	Wire



Foot Mount

Heavy Duty (c/w Circuit Breaker)

Product ID	VA	Primary Voltage	Secondary Voltage	Connections
34-75241	75	120	24	Wire
34-75244	75	120/ 208/ 240/ 480	24	Wire
34-75254	75	120/ 208/ 240/ 575	24	Wire
34-10244	96	120/ 240/ 277/ 480	24	Wire



Surge Protectors

Ditek Single Phase Surge Protectors

Features

- Weatherproof enclosure
- Parallel connection for easy installation
- Diagnostic LED provides positive indication of power, ground presence, and surge protection
- Automatically resets to handle multiple surge events
- Typical Applications A/C disconnect, small electrical panels, pool/well pumps
- Half the response time as similar models
- NEMA 4 rated on the housing



Product ID	Service Wiring	Surge Current Rating	MCOV	Voltage Protection Rating	Short Circuit Current Rating	Nominal Discharge Current Rating	Direct Replacement
PSP72KA	Split (2 W + G), 120/240VAC	50,000A	150/320V	700V L-G, 1,200V L-L	10,000A	10,000A	SMC60 SMC150

Features

- Voice, Data and Signaling circuit surge protection
- Adds no resistance to loop circuits
- #22-#16 AWG screw terminal connections
- For 24 volt service



Product ID	Protection Mode	Surge Current Rating	MCOV	Max Continuous Current	Clamping Voltage	Direct Replacement
PSP38VDC	Line-Ground	2,000 Amps/Pair (5-48V) 9,000 Amps/Pair (75-130V)	38VDC	5A, 0.5A (SCP)	47V	SYCST027B

Ditek CMXPLUS 3 Phase Surge Protectors

Features

- NEMA 4X enclosure allows for use in harsh environments
- Parallel connection for easy installation
- Flexible Lockstrap
- Diagnostic LED indicates system power and function
- Automatically resets to handle multiple surge events

Product ID	Description	Service Voltage	Phase	Type
DTK-2403CMXPLUS	Packard Surge Protector	208/240VAC	3	SPD Type 1
DTK-4803CMXPLUS	Packard Surge Protector	480VAC	3	SPD Type 1
DTK-6003CMXPLUS	Packard Surge Protector	600VAC	3	SPD Type 1



Surge-Trap® Surge Protectors



The Surge-Trap® STXH240S05 Split Phase Surge Protection Device, STXH Type 1, 50kA, 120/240 volts, split phase is the most compact of the STX series. The STXH Series SPD features TPMOV® technology inside making it the safest product available in its category. Surge-Trap Type 1 STXR meets requirements for UL1449 4th Edition and is ideal for the replacement of obsolete surge arrestors.



Product ID	Description
STXH240S05	STXH Type1 50kA 240/120V Split Phase Surge Protection Device

Miniature Pressure Control Switches



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	Product ID SPST	Product ID SPDT	Coil Resistance DC OHMS ±10%	Nominal Current MA	Nominal VA Sealed	Inrush VA
24	25-90290	25-90293	90	146		
120	25-90291	25-90294	2,000	29	3.5	4
240	25-90292	25-90295	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 Product ID	SPDT Product ID	SPNO-SPNC* Product ID	Coil Resistance DC OHMS ±10%	Nominal Current MA	Nominal VA Sealed	Inrush VA
24	25-90360	25-90370	25-90380	77	167		
120	25-90362	25-90372	25-90382	2,000	33	4	4
240	-	25-90374	25-90384	7,200	17		

*Isolated Contacts

Contact Rating

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

Totally Enclosed Relay - 2 Pole HVAC Switching Relays



25-90340
Illustrated

Specifications

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

Features

Intended for many applications in air conditioning, refrigeration, heating and general purpose switching.

- Replaces 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 Product ID	Terminals 1,2,3.	Terminals 4,5,6.	Resistance DC OHMS ±10%	Nominal Current MA	Nominal VA Sealed Max.	Inrush VA Max.
24	25-90340			15	334		
120	25-90341	Power	Power	400	66	8	21.5
240	25-90342			1415	38		

Cross Reference		
WR/ RBM	Honeywell	Mars
90-340	R4222B1082	90340
90-341	R4222B1090	90341
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

Capacitors

Dual Voltage 370/440V • Single MFD



370/440 Volt Oval							MFD	370/440 Volt Round					
Dimensions (Millimeters)			Dimensions (Inches)			OVAL		ROUND	Dimensions (Inches)		Dimensions (Millimeters)		
Width	Depth	Height	Width	Depth	Height				Dia.	Height	Dia.	Height	
51.5	31.5	60	2.03	1.24	2.36	36-5-370440	5	36-5R3744	1.65	2.37	42	60	
51.5	31.5	60	2.03	1.24	2.36	36-7-370440	7.5	36-7R3744	1.65	2.37	42	60	
51.5	31.5	80	2.03	1.24	3.15	36-10-370440	10	36-10R3744	1.65	2.78	42	70	
51.5	31.5	80	2.03	1.24	3.15	36-12-370440	12.5	36-12R3744	1.65	2.78	42	70	
51.5	31.5	80	2.03	1.24	3.15	36-15-370440	15	36-15R3744	1.65	3.15	42	80	
71.0	45.0	80	2.80	1.77	3.15	36-17-370440	17.5	36-17R3744	1.65	3.15	42	80	
71.0	45.0	80	2.80	1.77	3.15	36-20-370440	20	36-20R3744	1.78	3.15	45	80	
71.0	45.0	80	2.80	1.77	3.15	36-25-370440	25	36-25R3744	1.78	3.54	45	90	
71.0	45.0	90	2.80	1.77	3.55	36-30-370440	30	36-30R3744	2.00	3.94	50	100	
71.0	45.0	90	2.80	1.77	3.55	36-35-370440	35	36-35R3744	2.00	3.94	50	100	
71.0	45.0	90	2.80	1.77	3.55	36-40-370440	40	36-40R3744	2.00	4.33	50	110	
71.0	45.0	110	2.80	1.77	4.33	36-45-370440	45	36-45R3744	2.00	4.33	50	110	
71.0	45.0	110	2.80	1.77	4.33	36-50-370440	50	36-50R3744	2.00	4.33	50	110	

OVAL

ROUND

Dual Voltage 370/440V • Dual MFD

370/440 Volt Oval							MFD	370/440 Volt Round					
Dimensions (Millimeters)			Dimensions (Inches)			OVAL		ROUND	Dimensions (Inches)		Dimensions (Millimeters)		
Width	Depth	Height	Width	Depth	Height				Dia.	Height	Dia.	Height	
71.0	45.0	80	2.80	1.77	3.15	36-25-5-3744	25/5	36-255R3744	1.97	3.54	50	90	
71.0	45.0	100	2.80	1.77	3.94	36-30-5-3744	30/5	36-305R3744	1.97	4.16	50	105	
71.0	45.0	100	2.80	1.77	3.94	36-35-5-3744	35/5	36-355R3744	2.17	4.33	55	110	
71.0	45.0	110	2.80	1.77	4.33	36-40-5-3744	40/5	36-405R3744	2.36	4.72	60	120	
71.0	45.0	110	2.80	1.77	4.33	36-45-5-3744	45/5	36-455R3744	2.36	4.72	60	120	

SQUARE

Higher Voltage Capacitors Can Be Substituted For Lower Voltage Applications.

Dual Voltage 250-440V • Single MFD

250-440 Volt Square							MFD
Dimensions (Millimeters)			Dimensions (Inches)			SQUARE	
Width	Depth	Height	Width	Depth	Height		
37.0	18.0	28.0	1.46	0.71	1.10	36-2S440	2
37.0	18.0	28.0	1.46	0.71	1.10	36-3S440	3
37.0	22.0	34.0	1.46	0.87	1.34	36-4S440	4
37.0	22.0	34.0	1.46	0.87	1.34	36-5S440	5
47.0	26.0	38.0	1.85	1.02	1.50	36-7.5S440	7.5
47.0	26.0	38.0	1.85	1.02	1.50	36-8S440	8
58.0	30.0	44.0	2.28	1.18	1.73	36-10S440	10
58.0	30.0	44.0	2.28	1.18	1.73	36-12.5S440	12.5
58.0	30.0	44.0	2.28	1.18	1.73	36-15S440	15
58.0	39.0	50.0	2.28	1.54	1.97	36-20S440	20

ROTOM RUN CAPACITORS

- Heavy Duty, Compact Design
- UL & cUL Recognized
- Competitively Priced
- Built In Interrupter
- Largest Selection

NOTE:

CAPACITORS IN SERIES

- MFD rating decreases; Voltage increases.
- $$\text{New MFD Rating} = \frac{\text{MFD}_1 \times \text{MFD}_2}{\text{MFD}_1 + \text{MFD}_2}$$

CAPACITORS IN PARALLEL

- MFD increases; Voltage rating stays constant.
- (ex. two 5 MFD 370 V capacitors wired in parallel is the equivalent of a 10 MFD 370 V Capacitor)
- $\text{New MFD Rating} = \text{MFD}_1 + \text{MFD}_2$
- When connected in either series or parallel it is recommended that capacitors with the same MFD ratings be used.
- Higher voltages may be substituted for lower voltages in the same MFD rating.

Miniature Pressure Control Switches

Automatic Reset Pressure Controls

Miniature pressure controls are fixed setting controls used on refrigeration, air conditioning, or heat pump systems using R12, R22, R410A or R502 refrigerants. Both low (suction) and high (discharge or head pressure) sensing controls are available.

These single function controls, single pole, single throw (SPST) switches may be used in a variety of Applications direct control of single speed fan motors or compressors; in conjunction with a contactor for pilot duty; or to control electronic management systems.

The RMF Miniature Pressure control will cycle a single speed condenser fan when the predetermined head pressure (cut in) is reached. When the head pressure is reduced to a predetermined pressure (cut out), the fan will shut off. (Normally open switch). CSA & UL approved.

Features

- Automatic & manual reset*
- Corrosion resistant.
- Environmentally sealed (water tight switched).
- Non-position-sensitive.
- Low/high pressure cycling.
- Condenser fan cycling.
- Variety of fixed pressure settings.
- Complete with 1/4 inch SAE female flare fitting with valve core depressor.
- 18 inch leads (longer lead lengths available).

*Note: Automatic reset controls may be used to replace manual reset controls.

Product ID	Application	Setting (psig)		Cross Reference
		Cut Out	Cut In	
41-RML-520	Low Pressure Cut Out	5	20	33329, PS-LP05-20, PC002.
41-RML-1025		10	25	33330, PS-LP10-25, 3100-050.
41-RML-1535		15	35	33333.
41-RML-2045		20	45	
41-RML-2580		25	80	33362, 33363, 33336, PS-LP25-80, 3100-051.
41-RML-3560		35	60	PC001.
41-RML-4080		40	80	33364, PS-LP40-80, 3100-052.
41-RML-4560		45	60	33339.
41-RML-75100		75	100	Suitable for R410A)
41-RMF75120	Condenser Fan Cycling	75	120	Suitable for R410A
41-RMF110170		110	170	
41-RMF150225		150	225	
41-RMF190275		190	275	33341.
41-RMF300400		300	400	
41-RMH250180	High Pressure Cut Out	250	180	33350.
41-RMH300200		300	200	33310, 33355, PS-HP300-200.
41-RMH325225		325	225	33313.
41-RMH350250		350	250	33316, 33356, PS-HP350-250, 3100-150, PC150.
41-RMH375275		375	275	33319.
41-RMH400300		400	300	33322, 33357, 33358, PS-HP400-300, 3100-151, PC151.
41-RMH425325		425	325	33325, 33359, PC100.
41-RMH600475		600	475	Suitable for R410A
41-RMM-350	Mini Pressure Manual	350	-	
41-RMM-410		410	-	33365
41-RMM-430		430	-	33352
41-RMM-440		440	-	33350
41-RMM-600		600	-	

The miniature pressure controls are supplied with 12 inch, 18 AWG stranded leads, stripped 1/2 inch. RML and RMF are blue – RMH are black.

1/4 inch, SAE female flare fitting with valve core depressor.

All RML, RMF and RMH controls are individually packaged and equipped with a 1/4" SAE female flare fitting. For application requiring a pressure connector other than 1/4" female flare, use an appropriate adapter or connector.

Example: 02-C31004 – 1/4" SAE male flare to 1/4" tube adapter
02-C31482 – 1/4" SAE male flare to 1/8" MPT connector

All RML, RMF and RMH controls will have pressures stamped on the control. Normally, the OEM's pressure is stamped on the control.

Automatic reset controls may be used to replace manual resets.

Electrical ratings must not be exceeded and all electrical connections must comply with local approval authorities.

Operating Ambient -20° to 150°F(-28° to 65°C).
Refrigerant -35° to 275°F(-37° to 135°C).



VAC	FLA	LRA
24	-	-
120	10	40
240	5	20
277	-	-



Definite Purpose Magnetic Contactors - Economy

1 Pole with Shunt & 2 Pole Models



Features

- 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



Product ID	Poles	Full Load Amps.	Coil Voltage 50/60	Locked Rotor Amps			Resistive Amps.	Termination	Furnas #
				240V	480V	600V			
DP-1P30A24	1.5	30	24	180	150	120	40	Screw Type	45EG10AJA
DP-1P30A120	1.5	30	120	180	150	120	40		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
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	Screw Type	45EG20AJ
DP-2P30A120	2	30	120	180	150	120	40		45EG20AF
DP-2P30A240	2	30	208/240	180	150	120	40		45EG20AG
DP-2P40A24	2	40	24	240	200	160	50	Box Lug	45GG20AJL
DP-2P40A120	2	40	120	240	200	160	50		45GG20AFL
DP-2P40A240	2	40	208/240	240	200	160	50		45GG20AGL

Definite Purpose Magnetic Contactors - Economy

4 Pole Models



Features

- 4 pole 20, 25, 30 & 40 amp
- Features lug, spade terminals and protective covers
- Totally enclosed
- 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



Product ID	Poles	Full Load Amps.	Coil Voltage 50/60	Locked Rotor Amps			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		42BF25AF
DP-4P30A240	4	30	208/240	180	150	120	40		42BF25AG
DP-4P40A24	4	40	24	240	200	160	50	Box Lug	42CF25AJ
DP-4P40A120	4	40	120	240	200	160	50		42CF25AF
DP-4P40A240	4	40	208/240	240	200	160	50		42CF25AG

Definite Purpose Magnetic Contactors - Economy

Auxiliary Switches



Features

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



DP-AS1



DP-AS2



DP-AS3



DP-AS4



DP-AS5



DP-AS6



DP-AS7



DP-AS8



DP-AS9



DP-AS10

Switch Size	Product ID	Cont. Amps	Voltage Rating	Description	Connection
3 Pole, 20-60 Amp 4 Pole 30-60 Amp	DP-AS3	10	600	2 x SPST, N.O. & N.C.	Quick
	DP-AS6	10	600	2 x SPST, N.O. & N.C.	Screw
	DP-AS7	10	300	SPDT, N.O. & N.C.	Quick
	DP-AS8	10	300	2 x SPDT, N.O. & N.C.	Quick
	DP-AS1	10	600	SPST, N.O.	Quick
	DP-AS4	10	600	SPST, N.O.	Screw
	DP-AS2	10	600	SPST, N.C.	Quick
	DP-AS5	10	600	SPST, N.C.	Screw
3 Pole, 50-60 Amp	DP-AS10	10	300	SPDT, N.O. & N.C.	Quick
3 Pole, 75-90 Amp	DP-AS9	10	300	SPDT, N.O. & N.C.	Quick

Definite Purpose Magnetic Contactors - Economy

3 Pole Models



Features

- 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
- Push to test button
- Brass/copper terminals
- Quick connect and screw terminals on coil.
- Snap on auxiliary contacts available
- cURus approved



Product ID	Poles	Full Load Amps.	Coil Voltage 50/60	Locked Rotor Amps			Resistive Amps.	Termination	Furnas #
DP-3P25A120	3	25	120	150	125	100	35	Box Lug	-
DP-3P30A24	3	30	24	180	150	120	40	Screw Type	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-3P75A120	3	75	120	450	375	300	90	Box Lug	42FE35AF106
DP-3P75A240	3	75	208/240	450	375	300	90		42FE35AG106
DP-3P90A120	3	90	120	540	450	360	120	Box Lug	42GE35AF106
DP-3P90A240	3	90	208/240	540	450	360	120		42GE35AG106

58mm ECM Fan Packs



The Unitronix line of motors is the latest in high efficiency unit bearing motors. The design incorporates permanent magnet, electronically commutated technology with the time proven ruggedness of the cast iron, unit bearing design. Dimensionally interchangeable with comparable output Shaded Pole and PSC unit bearing fan motors.

Features

- Exceeds 60% efficiency across a wide operating range in actual fan motor applications.
- Delivers constant speed regardless of line voltage fluctuation within the normal operating range.
- Cast iron bearing and thick film lubrication system for long life and dependability.
- Cool running, very low motor heat rise maximizes system efficiency.
- Lyall plug
- Evaporator fan duty
- Electro coated metal shroud with aluminum fan blade

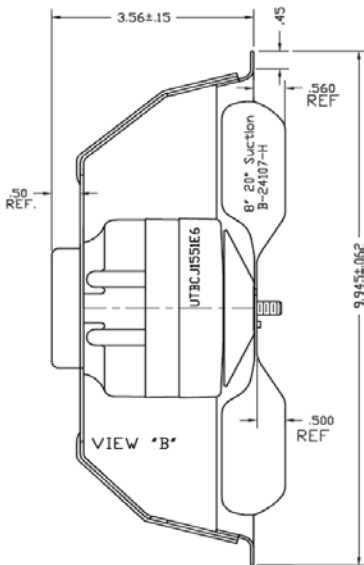
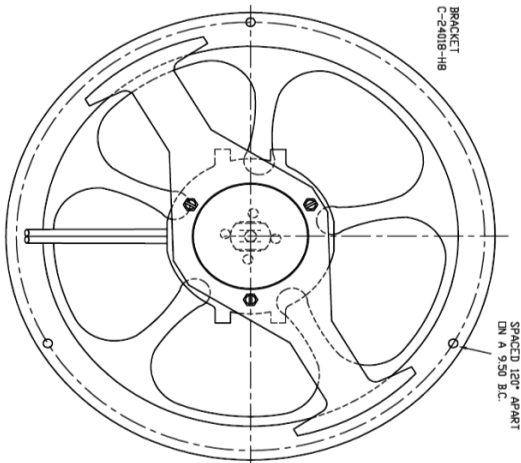


Figure A

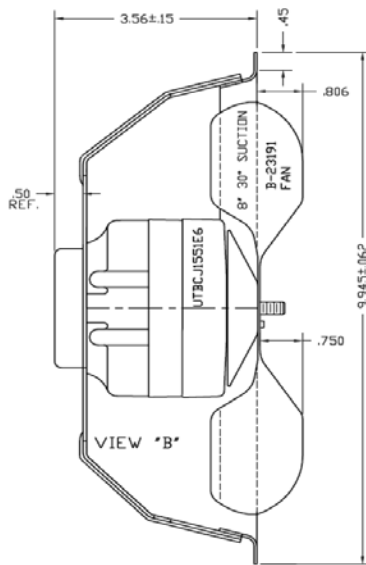


Figure B

Product ID	Volts	Speeds/ RPM	Rotation	Amps	CFM @ .05"	CFM @ .10"	CFM @ .15"	Cross	Figure
04-R5470	115	1/1550	CW	0.30	345	285	215	05470, 5SME58AAF1027	A
04-R5472	115	1/1550	CW	0.30	385	315	225	05471, 5SME58AAF1026, 05472, 5SME58AAF1031	B
	115	1/1550	CW	0.30	405	375	265		

Fan Coil DC ECM Motors



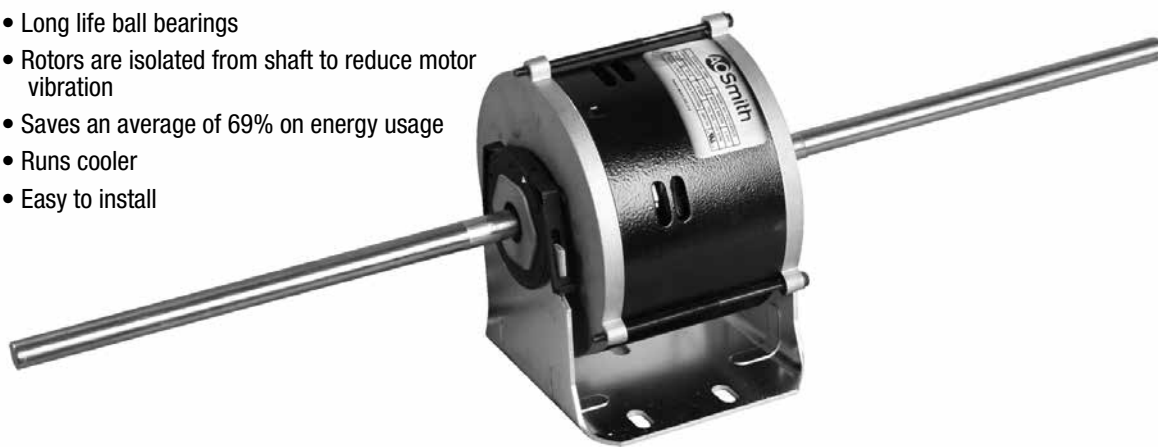
The **Comfort Select~FC** motor is a brushless DC high efficiency motor that runs off of a 120 volt single phase input. The motor is controlled by integrated electronics providing advanced motor protection with the same performance characteristics as a shaded pole or PSC motor. The **Comfort Select~FC** is designed as a direct replacement or retrofit product for shaded pole and PSC motors and may be used in fan coil and PTAC* applications as an energy saving retrofit.

Features

- Drop-in replacement
- Single Phase
- Brushless DC
- 3 Speeds
- 5 1/8" diameter
- 54" lead length
- Energy efficient

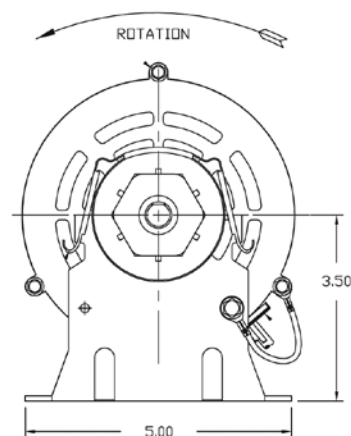
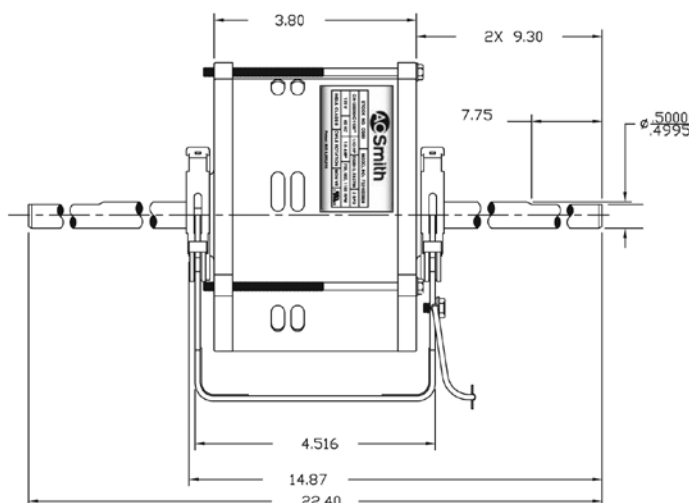
Benefits

- ECM with internal control
- Long life ball bearings
- Rotors are isolated from shaft to reduce motor vibration
- Saves an average of 69% on energy usage
- Runs cooler
- Easy to install



Fan Coils • Air Conditioners • Blowers • Shaded Pole or PSC Retrofit • Trane • Carrier • Amana • GE • Fan Coil & PTAC Units

Product ID	Volts	HP	Speeds	Rotation	Amps	RPMnRange	Shaft	Frame
M4-R2189	120	1/10	3	CWLE	1.56	1100,900,700	9.3" x 1/2" x 9.3"	42



Unit Bearing ECM Motors



Features

- Constant speed program works to maintain speed even in restricted airflow situations
- 15" Leads with Lyall plug
- Cast iron
- Vertical up or horizontal
- Suitable for use in evaporator and condenser applications
- Oil Rated -20°F to 120°F
- 5 drilled and tapped mounting holes allows for standard 3-hole and Hussmann 4-hole mounting.
- Leg Mount features four drilled & tapped mounting holes on each side

**Replaces 6, 9, 12, 13, 14, 15
& 16 Watt P.S.C. and Shaded
Pole Motors**



- Traditional 3 Point Mount = Red & White
- New Hussmann 4 Point Mount = Green & Red
- 04-R6711 replaces: Hussmann SVC #110.441.0546



Product ID	Volts	Watts	Amps	RPM	Rotation	A Dim.
04-R6711	115	6,9,12	.20/.30	1550	CW	2.53"
04-R6712	230	6,9,16	.20/.30	1550	CW	2.53"
04-R6811	115	14,15,16	.47/.58	1550	CW	2.53"

ECM Unit Bearing Walk-in Cooler Replacement Motor

- Replacement for SSC 50 Watt motors on HTPG, HTP, Russel Coil, and Witt units
- Cross Reference
 - 115 Volt: 08216124 (R8124)
 - 230 Volt: 08216125 (R8125)

Product ID	Volts	Watts	Amps	RPM	Rotation	A Dim.
04-R8125	230	50	0.60	1550	CCW	2.78"



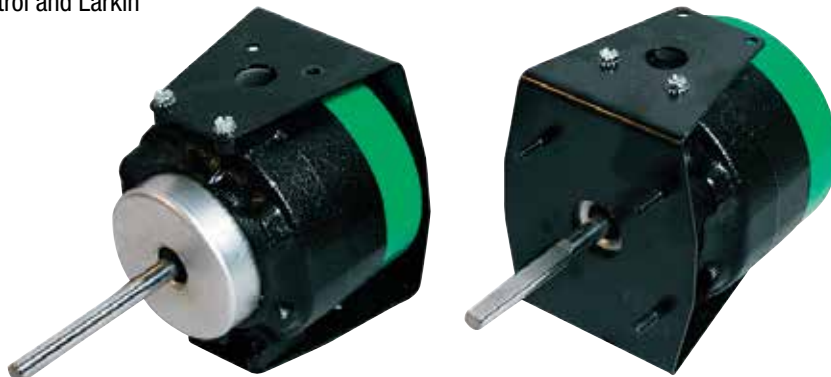
Unit Bearing ECM Motors

ECM Unit Bearing Replacement For 3.3" Diameter Motors



Heatcraft Replacement Motors - Bohn, Chandler, Climate Control and Larkin

- Walk-In cooler applications
- Low Temperature oil
- Bracket may be reversed for rear bolt (shaft down) applications
- Operating temperature:
-20°F(-29°C) to 104°F(40°C)
- 16" Leads with Lyall plug
- Cast iron
- Shaft down & horizontal mounting
- Suitable for use in evaporator or condenser applications



Product ID	HP	Amps	Volts	Rotation	RPM	Shaft	A Dim.	Cross
04-R6365	1/15	0.77	230	CW	1550	1.95" × 5/16"	3.2"	9210H, 05204, 5SME59BVA2037
04-R6370	1/10	1.35	115	CCW	1550	2.60" × 5/16"	4.4"	
04-R6375	1/10	1.35	115	CW	1550	2.60" × 5/16"	4.4"	
04-R6380	1/10	0.50	230	CCW	1550	2.60" × 5/16"	4.4"	
04-R6385	1/10	0.50	230	CW	1550	2.60" × 5/16"	4.4"	

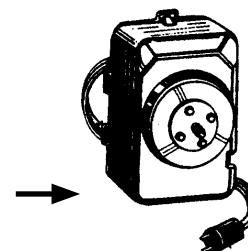
ECM Unit Bearing Replacement For GE 44 Frame Motors

- Used on Hussmann, Tyler, & Hill Phoenix supermarket cases
- Operating temperature:
Evaporator fan duty only
-20°F(-29°C) to 40°F(4°C)
- 16" Leads with Lyall plug
- Cast iron
- Shaft vertical up & horizontal mounting



Featuring an extended hub to ensure proper fan blade location

↑
This
Replaces
This



Product ID	Watts	Amps	Volts	Rotation	RPM	Shaft	A Dim.
04-R5443	9	0.45	115	CW	1650	1/4" × 20"	2.78"
04-R5444	16	0.55	115	CW	1850	1/4" × 20"	2.78"

EC Unit Bearing Motors

EC Max RM

Features

- IP67 protection against dust and water
- High efficiency & wide replacement capability
- Mounting hardware included
- Ball bearing design for all angle mounting
- Double foot pad with threaded mounting holes
- High efficiency & wide replacement capability

Temperature Rating: -40° C to +55° C (-40° F to +130° F)

EC MAX[®]

5411EC

Product ID	Watts	Volts	RPM	Amps	Hertz	Rotation	Shaft Dimension (in.)	Length Less Shaft (in.)
5411EC	4 - 25	115-230	1550-1725	0.1-0.56/0.06-0.34	60/50	CW0SE	1/4 x 1/2	3
5412EC	4 - 25	115-230	1550-1725	0.1-0.56/0.06-0.34	60/50	CCW0SE	1/4 x 1/2	3
5411EC90*	4 - 25	115-230	1550-1725	0.1-0.56/0.06-0.34	60/50	CW0SE	1/4 x 1/2	3
5411EC2**	4 - 25	115-230	1550/800	0.1-0.56/0.06-0.34	60/50	CW0SE	1/4 x 1/2	3
5414EC	4 - 25	115-230	1550/1650	0.1-0.56/0.06-0.34	60/50	Reversible	1/4 x 1/2	3
5408EC	35 - 50@115V 35 - 60@230V	115-230	1550/800	0.8-1.0/0.52-0.8	60/50	Reversible	5/16 x 3	2 1/2

Product ID	Description	Screws	Spacer Diameter (In.)	Spacer Width (In.)
HA5411	Adapter Spacer	(5) #8-36 x .750	3.188	.365

*Includes 90 degree plug

**Plug not included

EBM Energy Saving Motor (ESM) Axial Fan Assembly

Features

- Can be programmed with Nano programmer
- Program two-speeds between available range
- 50/60 Hertz
- 115 & 230 VAC models available

Product ID	Diameter Fan (in.)	Watts	Volts	RPM	Amps	Speeds	Rotation	Bearing
EBM9122	7	21	230	1700-2500	0.18	2	CCWSE	Ball
EBM9137	8	31	230	800-2100	0.24	2	CCWSE	Ball
EBM9523	7	22	115	1700-2500	0.3	2	CCWSE	Ball
EBM9538	8	31	115	800-2100	0.46	2	CCWSE	Ball

- Three wiring harness termination options, sold separately

ebm  papst

EBM Programmer

Features

- Allows for effortless programming of the two ESM speeds
- Inserts directly into fan's programming port
- Battery operated, no cables required
- Easy to read LCD display

Product ID

EBM600003



Back Side of EBM9122, EBM9137,
EBM9523, EBM9538

EC Motor Accembliies

EBM Unit Cooler Fan Assembly

Features

- High efficiency ECM design
- Voltage sensing
- Plug included

Product ID	Watts	Volts	RPM	Amps	Speeds	Rot.	Bearings
EBM0207	63	100-240	1590	0.55	1	CWSE	Ball
EBM0210	70	100-240	900-1650	0.5	10	CWSE	Ball

Two options available:

- EBM0207 – Fixed RPM suitable for use in Heatcraft unit coolers
- EBM0210 – RPM adjustable rotary switch

Packard

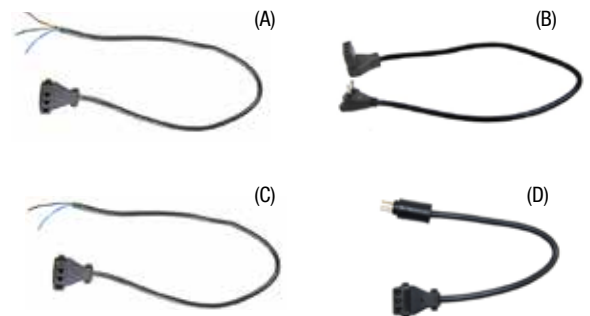


EBM Harness

Features

- Interchangeable cord sets for 8 in (200mm) EBM fan basket

Product ID	Image	Connection	Length (in.)
EBM10637	A	3 wire connection without plug	17.7
EBM10847	B	Two Pin Right Angle Lyall Plug	17.7
EBM10901	C	2 wire connection without plug	17.7
EBM10910	D	Three Pin Straight Lyall Plug	11



EC Unit Bearing Motors

Features

- 60/50 Hz
- IP65 Certified
- Shaded pole
- Water Shield
- Stud mounting
- Includes speed nut and 4 screws
- 5 - tapped and drilled mounting holes in rear
- 61312 has a straight lyall plug, 61313 has a 90 degree lyall plug
- Rotation is determined by viewing the shaft end
- Direct Replacements for Delfield, Bohn, Gemline and Nutone

Packard

**70%
EFFICIENCY!**

Product ID	Watts	Volts	RPM	Amps	Speeds	Rot.	Shaft Dim. (in.)	Length Less Shaft (in.)	Bearing	Mounting
61312	4-16	115	1550	0.16-0.42	1	CWLE	1/4 X 1/2	3-1/8	Ball	Double Foot Pad
61313	4-16	115	1550	0.16-0.42	1	CWLE	1/4 X 1/2	3-1/8	Ball	Double Foot Pad

61312



Straight Lyall plug

61313



90 degree Lyall plug

EC Unit Bearing Motors

ECM Replacements for Heatcraft



Features

- 3.3" Diameter
- Constant Speed Design
- Brushless High Efficiency up to 75%
- 6 Drilled Holes with Threaded Inserts on Opposite Shaft End'
- Straight Lyall Plug
- Rated IP55



Product ID	Watts	RPM	Volts	Amps	Rot.	Shaft Dimension (In.)	Hertz	Direct Replacement
91635	16-35	1625	120-230	0.76 - 0.48	CWSE	5/16 x 2 1/2	60/50	Heatcraft 25317701 Heatcraft 25317801

Features

- Will replace 6 to 16 watt shaded pole unit bearing motors with clockwise shaft end rotation

Product ID	Watts	RPM	Volts	Amps	Rot.	Shaft Dimension (In.)	Hertz
91636	6-16	1550	120-230	0.35 - 0.22	CWSE	1/4 x 1/2 Threaded	60/50



Unitronix Unit Bearing EC Motors

Features

- Patented EMS electronically commutated motor technology
- Drop in replacements for shaded pole and PSC unit bearing motors
- Utilizes traditional cast iron unit bearing design for proven, trouble free long life
- Up to 70% efficient
- Low heat rise maximizes system efficiency
- Maintains constant speed over a wide range of fan applications
- Special patented water protection package

- 60/50 Hz
- Includes Lyall plug
- Rotation determined viewing lead end
- 13 mounting holes
- UL and cUL recognized

EMS

Product ID	Watts	RPM	Volts	Amps	Rot.	Mounting Holes	Direct Replacement For	Rotom
15621	6-12	1550	115	0.2 - 0.3	CWLE	5 Rear holes	Hussmann, Hill Phoenix, Kysor/Warren	04-R6711
15624	14-16	1550	115	0.47 - 0.58	CWLE	5 Rear holes	Hussmann, Hill Phoenix, Kysor/Warren	04-R6811



Features

- **Electronically commutated motor**
- Drop in replacements for 3.3" Diameter Shaded Pole & PSC Motors
- Includes Lyall plug
- Standard thru bolt configuration
- Rotation determined viewing the shaft end

- Efficiencies up to 3 times higher than shaded pole motors and 40% higher than PSC
- Totally enclosed, air over
- Automatic overload
- Unit Bearing

(A)



(B)

Product ID	Image	Watts	HP	RPM	Volts	Amps	Rot.	Mounting	Direct Replacement For	Rotom
15211	A	—	1/15-1/25	1550	115	1.25	CWSE	4 STUDS SE	Heatcraft, Bohn, and Krack	04-R6350
15221	A	—	1/15-1/25	1550	230	0.77	CWSE	4 STUDS SE	Heatcraft, Bohn, and Krack	04-R6360
15546	B	12	—	1550	115	0.3	CWLE	5 Rear holes	Hussmann 4410546	—
15547	B	13	—	1725	115	0.3	CWLE	5 Rear holes	Hussmann 4410547	—



Solid State Commutated Unit Bearing Motors



A high-efficiency EC motor with a dust-tight, water-tight IP66 rating.

- The next generation of ECM unit bearing motor with multi-watt range capability
- Used for commercial refrigeration
- IP65 Certified making it compatible for applications where the use of pressurized water for wash down is a standard procedure
- ATEX Certified allowing its application where flammable refrigerants are used

- 66% Peak Efficiency = 45% higher than a PSC motor
- Ball bearing with low temperature grease
- Operating Temps: -40° C to 55° C ambient
- 5 drilled & tapped mounting holes on rear of the motor

KRYO™ SSC



Product ID	Image	Watts	Volts	RPM	Amps	Spd.	Rot.	Shaft Dim. (In.)	Length Less Shaft (in.)	Hertz	Mounting	Direct Replacement	Notes
10999	A	4 - 25	115	1550	0.60	1	CW	1/4 x 1/2	—	—	Universal 5-Hole Mount	—	—
10112	A	12	115	1550	0.30	—	CW	—	—	50/60	Double	12CSHEMA1	—
10215	A	12	230	1550	0.15	—	CW	—	—	50/60	Double	15CSHEMA2	—
10012	B	6-12	115	1550	0.30	—	CW	1/4 Threaded	—	60	—	Husmann 4410546	554
10020	B	16-25	115	1575	0.60	—	CW	1/4 Threaded	—	60	—	Husmann 4410547	554
10022	B	16-25	115	1575	0.60	—	CCW	1/4 Threaded	—	60	—	—	554
20020	C	16-25	208-230	1575	0.30	—	CW	1/4 Threaded	—	60	—	—	554
20022	C	16-25	208-230	1575	0.20	—	CCW	1/4 Threaded	—	60	—	—	554
10036	D	35-50	208-230	1550	0.45	—	CW	1/4 Threaded	—	50/60	—	—	—
10040	D	35-50	115	1550	0.90	—	CCW	1/4 Threaded	—	50/60	—	—	—
10042	E	35-50	208-230	1550	0.45	—	CCW	1/4 Threaded	—	50/60	—	—	—
10312	G	12	115	1550	0.30	—	CW	—	—	50/60	Double	12CSHBV2	—

Notes: 554. Includes water shield to protect motor during coil cleaning

Kryo™ Fortress Motor

A high-efficiency EC motor with a dust-tight, water-tight IP66 rating.

Features

- Replace 28 different motor ratings
- Dual voltage
- Reversible
- Multi-mount
- Energy efficient

KRYO™ SSC



Product ID	Watts	Voltage	RPM	Amps	Speed	Rot.	Bearing	Enclosure	Shaft	Note
FA-MD5411	4-27	90-240	1550	.30-.65	1	Rev	Ball	IP66/IP67	1/4-20	A
FA-MD5411S	4-20	90-240	1550	.30-.55	1	Rev	Ball	IP66/IP67	1/4-20	A

Note: A - Stock No. 2117 - 90° cord adapter available separately

*Energy Savings EC Design - Comparison 16 Watt

Kyro™ Fortress ECM Fan Packs



An energy-efficient, unit bearing style EC fan pack built to withstand harsh commercial refrigeration environments and cleaning practices.

Features

- Dual voltage
- Easy to install
- IP66 enclosure
- Can operate in temperatures between -40°C & 55°C

Product ID	Image	CFM	Watts	Voltage	RPM	Amps	Speed	Rotation	Bearing	Mounting B. C.	Note
FA-MD5469	A	• 355	• 4-20	• 90-240	• 1550	• .55-.20	• 1	• CCWSE	• Ball	• 9.532"	• 1,3
FA-MD5470	B	• 355	• 4-20	• 90-240	• 1550	• .55-.20	• 1	• CCWSE	• Ball	• 9.800"	• 2,3
FA-MD5471	B	• 390	• 4-20	• 90-240	• 1450	• .55-.20	• 1	• CCWSE	• Ball	• 9.800"	• 2,3
FA-MD5472	B	• 415	• 4-20	• 90-240	• 1550	• .55-.20	• 1	• CCWSE	• Ball	• 9.800"	• 2,3

Notes: 1- Right Angle Plug, 2- Straight Plug, 3-Fan Pack
 *Energy Savings EC Design - Comparison 16 Watt Motors @ 1550 RPM

Unit Bearing Motors ECR

ECR ONE Constant Torque Motor



Applications

Supermarket refrigeration, vending machines and other condenser and evaporator fan applications

Features

- Drop in replacement for shaded pole and PSC motors
- Electronically commutated motors with integrated electronic control
- ECR up to 70% energy savings; UL recognized
- IP55 moisture and dust protection
- Totally enclosed, ball bearings, CCWSE rotation, can be mounted in any position
- Operating temperature of ECR ONE motors: -22°F to +122°F
- Operating temperature of ECR UltraSynch motors: -22°F to +104°F
- Motors are built using 30% less copper and 80% less steel for a greener, more affordable solution
- ECR UltraSynch motor includes Lyall plug

- ECR ONE is a constant torque motor and will replace a shaded pole motor of matching wattage using the same fan blade
- ECR UltraSynch is a constant speed motor operating at 1800 RPM over a wide range of voltage and load conditions.
- The correct fan blade must be specified to properly balance air flow.

Product ID	Watts	Volts	RPM	Amps	Hertz
ECR01A0241	9	115	1550	0.23	60
ECR01A0102	12	115	1550	0.31	60
ECR01A0243*	16	115	1550	0.41	60

*7 Drilled and tapped inserts for mounting.



ECR UltraSynch™ Constant Speed Motor

Product ID	Watts	Volts	RPM	Amps	Hertz
ECR92PJA12	9-16	120	1800	0.34	60



Solid State & Fan Packs

Solid State Commutated Unit Bearing Motors



Features

- Direct drop-in replacements
- Ultimate commutated technology
- Unit bearing construction
- 100% performance tested
- Includes Lyall plug
- Rotation is determined by viewing opposite shaft end
- Peak efficiencies in excess of 80% means lower operating temperatures and extended motor life
- Constant 1550 RPM operating speed is identical on either 50 or 60 Hertz
- Constant 1550 RPM regardless of fluctuations in voltage

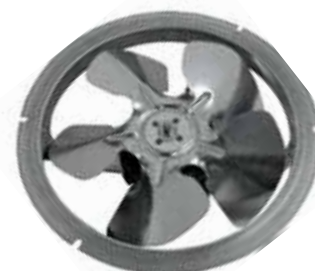


Product ID	Image	Watts	Volts	RPM	Amps	Rot.	Plug	Hertz	Foot Pads	Material	Direct Replacement
10313	A	16	115	1550	0.30	CWLE	90 Degree 2 Prong Plug	50/60	Double	Aluminum	12CSHEMV1
10113	B	16	115	1550	0.40	CWLE	Straight 2 Prong Plug	50/60	Double	Aluminum	13CSHEMA1
10218	C	38	115	1550	0.90	CCWLE	Straight 2 Prong Plug	50/60	Double	Cast Iron	18AHEMAR1
10219	C	38	208-230	1550	0.45	CCWLE	Straight 2 Prong Plug	50/60	Double	Cast Iron	19AHMAR2

58MM ECM Fan Pack

Features

- Includes basket w/ 9.8 inch bolt circle mounting and fan blade
- Variable torque, constant speed EC motors
- 40° to 55°C ambient operating temperature
- Class B Insulation
- Lyall plug



Product ID	HP	Volts	RPM	Amps	Spd	Hertz	Rot.	Bearing	Phase	CFM at 0.05" Static Pressure	Direct Replacement
FA-5R026	Replaces up to 12W	115	1550	0.3	1	60	CWLE	Unit Bearing	1	330	3426B, SSC2B12CSHEMA1
FA-5R027	Replaces up to 12W	115	1450	0.4	1	60	CWLE	Unit Bearing	1	370	3427B, SSC2B13CNHEMA1
FA-5R028	Replaces up to 12W	115	1550	0.4	1	60	CWLE	Unit Bearing	1	400	3428B, SSC2B13CSHEMA1

Electronically Commutated Refrigeration

Motors and Fan Kits



Product ID	Includes	Direct Replacement
ECR92950	• ECR92PJA12 Motor • Mounting Shroud • 8 Inch 15 Degree Fan Blade	GE FAN PACK 5SME58AAF1430 900 & 950 RPM
ECR921200	• ECR92PJA12 Motor • Mounting Shroud • 8 Inch 25 Degree Fan Blade	GE FAN PACK 5SME58AAF1430 1100 & 1200 RPM
ECR921400	• ECR92PJA12 Motor • Mounting Shroud • 8 Inch 28 Degree Fan Blade	GE FAN PACK 5SME58AAF1430 1300 & 1400 RPM



9-16 Watt, 120 Volt, 0.34 Amps
Assembled in the USA

Refrigeration ECM Motors



Reduce your carbon foot print and electricity bill at the same time. Become more environmentally friendly! The ECM series allows efficiency rates up to 70%, 4-5 times more efficient than a traditional shaded pole fan motor. Higher efficiency means cooler motor operation, longer bearing expected life and reduced heat delivered to the refrigeration cycle, for a combined energy saving advantage and improved refrigeration quality.

The ECM-IP Series is widely used in industrial and commercial refrigeration for condensing and evaporating units, food and beverage coolers, freezers, supermarket display cases, walk-ins and reach-ins.



'Type A'

'Type B'

Features

Increased Life:

Life expectancy of 60,000+ hrs. with our sealed ball bearing option.

Moisture Protection:

The ECM series offers IP65 & IP66 moisture protection grade, one of the highest in the industry.

Wide Range of CFM:

Choose among three different factory preset RPM options and a wide range of fan blades from 6 to 10 inches diameter and various pitches, to satisfy all CFM needs.

Multiple Mounting:

Compatible with ELCO's standard accessories, giving higher flexibility in motor mounting. Installation on a shroud, a grid or a mounting bracket.

Drop In Replacement:

The ECM-IP Series motor is a direct drop-in replacement to our shaded pole motor (NU series) for an easy and hassle free "green turn".

Modular Design

Designed to mount ELCO standard (and third party) or integrated design fan blades, for extreme application flexibility and to cover a wide range of performance requirements.

Compact Design:

The ECM compact design with its integrated plastic fan blade is ideal for reduced space depth applications.

Product ID	Watt	Volt	RPM	Amp	ELCO OEM #	Type	A dim.	Cord length	Term. / Plug.
EC-HE0147	12	115	1450	0.18	EDA12153UC0147	A	3.61"	14"	3pin 90°
EC-HE0170	12	115	1450	0.18	EDA12153UN0170	B	3.62"	14"	3pin 90°
EC-HE0176	15	115	1600	0.22	EDA15253UC0176	A	4.00"	16"	2pin 90°
EC-HE0182	10	115	1550	0.19	EDA10153UC0182	A	3.61"	16"	2pin 90°

Cross Reference

Product ID	OEM Name	OEM #
EC-HE0147	Arneg Canada & US	34410013 , 34410009, 24681010
EC-HE0170	Arneg Canada & US	34410012 (for fan 34415010)
EC-HE0176	Hill Phoenix	P078449H
EC-HE0182	Hill Phoenix	P079441C, P066237A

Heatcraft® Replacements - Fan Assemblies

BNE Air Cooled Condenser
Fan Assembly Replacement Unit

ebm *Packard*



**Exact OEM Original
Replacement Part**

Features

- Fans can be wired to work as 0-10V or 10-0V control input using a jumper wire, no programming needed
- Fans can be installed as lead fans or downstream fans on a condenser layout
- Includes components and instructions for fan assembly replacement to OEM specs



Heatcraft P/N	ebm-papst P/N	Description
25318801	S3G800-CY24-16A	200-240V
25318901	S3G800-CY27-06A	380-480V

Note: Metal venturi wall ring not included



3.3" Refrigeration Motors

3.3" Hubless Motors - Totally Enclosed

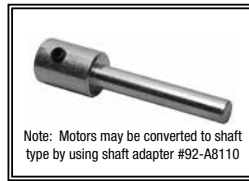
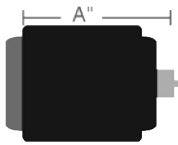


115 & 230 Volts - Sleeve and Ball Bearing - Shaded Pole

Product ID	HP	Amps	Spd/RPM	Voltage	Rot.	Body	Feature	Comment
04-R1211	1/150	0.30	1/1550	115	CW	2.09	0.67" TO HUB FACE	5 WATT, DOMESTIC REF.
R1-R128	1/135	0.35	1/1550	115	CW	2.09	3 PT. MTG., 3 PIN PLUG	COLDSTREAM
R1-R122	1/60	0.35	1/1550	230	CW	2.50	3 PIN PLUG	FOSTER, COLDSTREAM
R1-R114	1/125	0.45	1/1550	115	CW	2.09	LEADS, 3 POINT OR LEG MOUNTING	GENERAL REPLACEMENT
R1-R108	1/100	0.60	1/1550	115	CCW	2.00	ONE U BRACKET, LEADS	BLANCHARD
R1-R137	1/70	0.59	1/1550	115	CW	2.20	2 PIN PLUG	COLDSTREAM
R1-R127	1/80	0.75	1/1600	115	CCW	2.09	STUD MOUNTING	FOSTER
R1-R125	1/20	0.80	1/1500	230	CCW	4.00	2 PIN PLUG, BALL BEARING	DUNHAM, BUSH
R1-R101	1/45	0.90	1/1550	115	CW	2.30	2 PIN PLUG, LEG MTG.	HUSSMANN
R1-R101L	1/45	0.90	1/1550	115	CW	2.30	2 PIN PLUG	HUSSMANN
R1-R103	1/45	0.90	1/1550	115	CCW	2.30	2 PIN PLUG	HUSSMANN
R1-R124	1/20	1.55	1/1550	115	CCW	4.00	2 PIN PLUG, BALL BEARING	DUNHAM BUSH

51 Frame Unit Bearing Motors

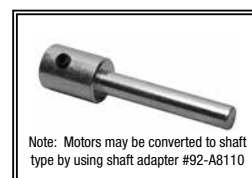
Morrill / EMS Replacements



Part #	Watts	Amps	Volts	Rot	RPM	Shaft	Cross Reference
R5090	2	0.25	115	C.W.	1550	HUBLESS	CAST IRON 2 WATT CONDENSER MOTOR
R5109	2	0.25	115	C.W.	1550	HUBLESS	GE 5109, WR60X77, 5KSM51AG3070, 5KSP51AZL826
R5211	4	0.35	115	C.W.	1550	HUBLESS	TECUMSEH TFM41, G.E. 5211 5KSP51AL511
R5212	4	0.35	115	C.C.W.	1550	HUBLESS	G.E. 5212, 5KSP51AL513
R5221	4	0.20	230	C.W.	1550	HUBLESS	G.E. 5221, 5KSP51AL512, COPELAND 050-0246-00
R5222	5	0.20	230	C.C.W.	1550	HUBLESS	G.E. 5222, 5KSP51AL514
R5911	5	0.35	115	C.W.	1550	HUBLESS	COPELAND 050-0010-00,0178-00 050-0246-01,HILL PP7577
R6247	5	0.35	115	C.W.	1550	HUBLESS	REPLACEMENT MOTOR FOR CORNELIUS
R1211	5	0.30	115	C.W.	1550	HUBLESS	199D354H01, H06, H13, WR60D1, 6550923, 6550928
R5311	6	0.50	115	C.W.	1550	HUBLESS	G.E. 5311, 5KSP51CL501, TECUMSEH TFM61
R5312	6	0.50	115	C.C.W.	1550	HUBLESS	5914767, 5914782, G.E. 5312, 5KSP51CL502
R6243	6	0.50	115	C.W.	1550	HUBLESS	REPLACEMENT MOTOR FOR CORNELIUS
R5411	9	0.60	115	C.W.	1550	HUBLESS	G.E. 5411, 5KSP51ECL551 TECUMSEH TFM91
R5412	9	0.60	115	C.C.W.	1550	HUBLESS	G.E. 5412, 5KSP51ECL553
R5421	9	0.30	230	C.W.	1550	HUBLESS	TECUMSEH TFM62, TFM92, G.E. 5421, 5KSP51ECL552
R5422	9	0.30	230	C.C.W.	1550	HUBLESS	G.E. 5422, 5KSP51ECL554
R5611	9	0.60	115	C.W.	1550	HUBLESS	HUSSMANN 47000, 58698
R5612	9	0.60	115	C.C.W.	1550	HUBLESS	HUSSMANN 38360
R6273	9	0.60	115	C.W.	1550	HUBLESS	CONDENSER MOTOR FOR CAN TYPE VENDING MACHINES
R5711	12	0.37	115	C.W.	1550	HUBLESS	HUSSMAN, HILL & KYSOR 400603, P41661, 19A10-055
R5715	12	0.37	115	C.W.	1550	HUBLESS	TYLER & KYSOR 5215879, 5237801, 73049
R5720	12	0.37	115	REVERS.	1550	HUBLESS	HUSSMAN, HILL, TYLER & KYSOR 411151, P23956, 5212930
R5713	15	0.60	115	C.C.W.	1500	6.9x5/16	
R5811	16	1.00	115	C.W.	1550	HUBLESS	050-0164-00, 050-0247-00, 401-0032-01, G.E. 5811
R5812	16	1.00	115	C.C.W.	1550	HUBLESS	G.E. 5812, 5KSP51GL583T
R5821	16	0.50	230	C.W.	1550	HUBLESS	G.E. 5821, 5KSP51GL582T
R5822	16	0.50	230	C.C.W.	1550	HUBLESS	G.E. 5822, 5KSP51GL584
R2011	23	0.80	115	C.W.	1500	HUBLESS	HILL PP20934F
R2511	25	1.10	115	C.W.	1500	HUBLESS	TECUMSEH TFM191, 810E019A73, 810E019A80
R2512	25	0.60	230	C.W.	1550	HUBLESS	G.E. 0253
R2521	25	1.10	115	C.C.W.	1500	HUBLESS	ESPL25EMR1, ESPL25EVRD1
R2522	25	0.60	230	C.C.W.	1500	HUBLESS	ESPL25EMR2, ESPL25EVR2
R3511	35	1.40	115	C.W.	1500	HUBLESS	TECUMSEH TFM351, HUSSMANN 328346, COPELAND 050-0227-01
R3512	35	0.70	230	C.W.	1500	HUBLESS	TECUMSEH TFM 352, 810M35A12, 810M35A21, 810M35A28
R3521	35	1.40	115	C.C.W.	1500	HUBLESS	G.E. 0352
R3522	35	0.70	230	C.C.W.	1500	HUBLESS	EP35EM2B2C2, ESPL35EMR2
R3612	35	0.70	230	C.W.	1500	1.4"5/16	TECUMSEH TFM262, TFM362, 810A108, 810E026A81
R5011	50	1.70	115	C.W.	1500	1.5"3/8	COPELAND 050-0011-01,0017-02 050-0237-01, 998100800
R5012	50	0.85	230	C.W.	1500	1.5"3/8	050-0017-01,03,0011-00, 0101-00,0237-00,998100700
R5021	50	1.70	115	C.C.W.	1500	1.5"3/8	A0502, 259, ESPL05EMR1
R5022	50	0.85	230	C.C.W.	1500	1.5"3/8	TECUMSEH 810A31B, 810G037A20
R5112	50	0.85	230	C.W.	1500	1.4"5/16	TECUMSEH, 810M50A62
R5122	50	0.85	230	C.C.W.	1500	2.0"5/16	TECUMSEH TFM502, 810G050A50

51 Frame Unit Bearing Motors

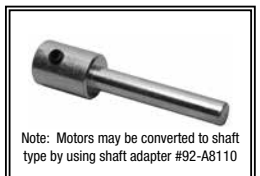
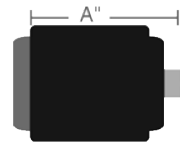
Morrill / EMS Replacements



Product ID	Watts	Amps	Volts	Rot	RPM	A Dim	Shaft	Comment
04-R5811	16	1.00	115	CW	1550	3.03"	Hubless	050-0164-00, 050-0247-00, 401-0032-01, G.E. 5811
04-R5812		1.00	115	CCW	1550	3.03"	Hubless	G.E. 5812, 5KSP51GL583T
04-R5821		0.50	230	CW	1550	3.03"	Hubless	G.E. 5821, 5KSP51GL582T
04-R5822		0.50	230	CCW	1550	3.03"	Hubless	G.E. 5822, 5KSP51GL584
04-R2011	23	0.80	115	CW	1500	3.75"	Hubless	HILL PP20934F
04-R2511	25	1.10	115	CW	1500	3.50"	Hubless	TECUMSEH TFM191, 810E019A73, 810E019A80
04-R2512		0.60	230	CW	1550	3.50"	Hubless	G.E. 0253
04-R3511	35	1.40	115	CW	1500	3.50"	Hubless	TECUMSEH TFM351, HUSSMANN 328346, COPELAND 050-0227-01
04-R3512		0.70	230	CW	1500	3.50"	Hubless	TECUMSEH TFM 352, 810M35A12, 810M35A21, 810M35A28, COPELAND
04-R3521		1.40	115	CCW	1500	3.50"	Hubless	G.E. 0352
04-R3522		0.70	230	CCW	1500	3.50"	Hubless	ESPL35EM2B2C2, ESPL35EMR2
04-R3531		1.40	115	CW	1500	3.60"	Hubless	Copeland 050-0367-03, 050-0367-06, 050-0367-10 EMS ESP-L35EM12H
04-R3532		0.70	208/230	CW	1500	3.60"	Hubless	Copeland 050-0367-01, 050-0367-08, 050-0367-11, EMS ESP-L35EM24H
04-R3612		0.70	230	CW	1500	3.50"	1.4"×5/16"	TECUMSEH TFM262, TFM362, 810A108, 810E026A81

51 Frame Unit Bearing Motors

Morrill / EMS Replacements



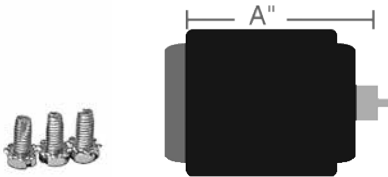
Product ID	Watts	Amps	Volts	Rot	RPM	A Dim	Shaft	Comment
04-R5011	50	1.70	115	CW	1500	4.50"	1.5"×3/8"	COPELAND 050-0011-01,0017-02 050-0237-01, 998100800
04-R5012		0.85	230	CW	1500	4.50"	1.5"×3/8"	COPELAND 050-0017-01,03,0011-00, 0101-00,0237-00,998100700
04-R5021		1.70	115	CCW	1500	4.50"	1.5"×3/8"	A0502, 259, ESPL05EMR1
04-R5022		0.85	230	CCW	1500	4.50"	1.5"×3/8"	TECUMSEH 810A31B, 810G037A20
04-R5031		1.70	115	CW	1500	4.50"	Hubless	Copeland 050-03440-01, EMS ESP-OL50EM16H
04-R5032		0.85	208/ 230	CW	1500	4.50"	Hubless	Copeland 050-03440-00, 050-03440-10 EMS ESP-OL50EM26H
04-R5112		0.85	230	CW	1500	4.50"	1.4"×5/16"	TECUMSEH, 810M50A62
04-R5122		0.85	230	CCW	1500	4.00"	2.0"×5/16"	TECUMSEH TFM502, 810G050A50, 050-0264-0
04-R5460		0.44	460	CW	1500	4.50"	Hubless	Copeland 050-03440-03, EMS ESP-OL50EM46H

51 Frame Refrigeration Motors

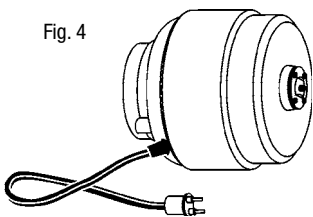
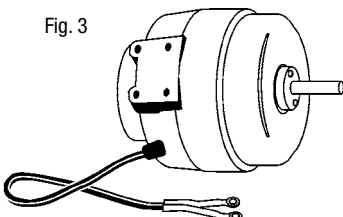
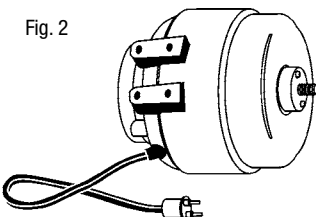
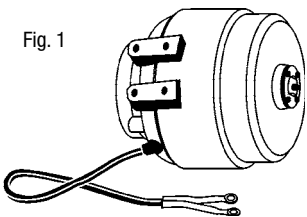
3.5" Diameter - 51 Frame - Totally Enclosed

GE Replacements - Shaded Pole

- Unit Bearing
- CW Rotation
- 51 Frame
- Hubless Shaft



Product ID	Watts	Volts	Amps	Spd/RPM	Type	Fig.	"A"	Shaft	Termination
EE-5211	4	115	0.29	1/1550	SP	1	2.74"	Hubless	
EE-5311	6	115	0.40	1/1550	SP	1	2.74"	Hubless	
EE-5610		115	0.40	1/1550	SP	4	2.74"	Hubless	
EE-5411	9	115	0.52	1/1550	SP	1	2.74"	Hubless	
EE-5611		115	0.52	1/1550	SP	2	2.74"	Hubless	
EE-5811	16	115	0.90	1/1550	SP	1	2.97"	Hubless	
EE-5821		208/230	0.50	1/1550	SP	1	2.97"	Hubless	
EE-2511	25	115	1.10	1/1500	SP	1	3.15"	Hubless	
EE-2512		208/230	0.55	1/1500	SP	1	3.15"	Hubless	
EE-5012	50	208/230	0.85	1/1500	SP	3	3.52"	3/8" x 1.5"	
EE-5112		208/230	0.85	1/1500	SP	3	3.52"	5/16" x 1.5"	



PSC Unit Bearing Motors



Leads



04-R5711
HUSSMANN / HILL / KYSOR

04-R5715, 04-R5716
TYLER / KYSOR

04-R5720
REVERSIBLE MODEL
FOR ALL MANUFACTURERS

EE-8419, EE-8416
STRIPPED LEADS

04-R5730
TRUE
Wiring
Harness
For Pepsi

Product ID	Watts	Volts	Amps	RPM	Rot	Type	Body	Shaft
04-R5730	9	115	0.26	1600	Rev	PSC	3.87"	1/4-20 Hubless
04-R5711	12	115	0.37	1550	CW	PSC	3.13"	1/4-20 Hubless
04-R5715	12	115	0.37	1550	CW	PSC	3.13"	1/4-20 Hubless
04-R5716	16	115	0.40	1550	CW	PSC	3.13"	1/4-20 Hubless

Cross Reference

Product ID	Hussmann	Hill	Tyler	Kysor	True
04-R5730	-	-	-	-	Condenser Fan c/w wiring harness for Pepsi
04-R5711	301263, 301264, 329646, 400603	P41661	-	09A10-054, 9A10-055	-
04-R5715	-	-	5215879, 237801	73049	-

Refrigeration Motors



Features

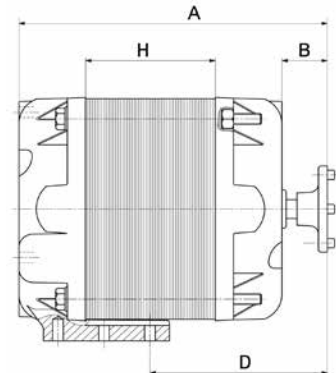
- Shaded pole
- 4 Pole
- Totally Enclosed
- 50/60 Hz
- Long Life Lubricated Sintec Sleeve-Bearings
- Duty: Continuous Air-over. Operation: All Angle
- Rotation: CW Opposite Shaft End
- Cord: 21"/23" Lead Length With #10 Ring Studs
- Mounting: 1 Foot, Front Shroud, Tapped Rear 3-Hole
- Included: Nuts, Screws & Fan Blade Adapter

SLEEVE BEARING



EC-4W115V835
EC-9W115V834
Special cord/plug and shaft/hub length for Arneg - 34410000, 34410001

EC-34W115V1543
EC-34W230V1542
Special mounting, cord/plug and shaft/hub length for Ref Plus - RMT0004, RMT0005



115 & 230 Volt

Product ID	Watts	HP	RPM	Volts	Amps	Prot.	Dimensions: mm (")			
							H	A	B	D
EC-4W115	4	1/185	1550	115	0.36	Imp.	13 (.51')	71.5 (2.82')	12.5 (.49')	42 (1.65')
EC-4W115V835		1/185	1550	115	0.40	TH.	13 (.51')	71.5 (2.82')	17 (.68')	42 (1.65')
EC-5W115	5	1/150	1550	115	0.40	TH.	13 (.51')	71.5 (2.82')	12.5 (.49')	42 (1.65')
EC-6W115		1/125	1550	115	0.41	Imp.	20 (.79')	77.5 (3.05')	12.5 (.49')	48 (1.89')
EC-6W230	6	1/125	1550	230	0.20	Imp.	20 (.79')	77.5 (3.05')	12.5 (.49')	48 (1.89')
EC-9W115		1/83	1550	115	0.58	TH.	20 (.79')	77.5 (3.05')	12.5 (.49')	48 (1.89')
EC-9W115V834	9	1/83	1550	115	0.58	TH.	20 (.79')	77.5 (3.05')	17 (.68')	48 (1.89')
EC-9W230		1/83	1550	230	0.35	TH.	20 (.79')	77.5 (3.05')	12.5 (.49')	48 (1.89')
EC-18W115	18	1/47	1550	115	1.0	TH.	30 (1.18')	91.5 (3.6')	16 (.63')	62 (2.44')
EC-18W230		1/47	1550	230	0.5	TH.	30 (1.18')	91.5 (3.6')	16 (.63')	62 (2.44')
EC-34W115	34	1/20	1550	115	1.6	TH.	45 (1.77')	106.5 (4.19')	15.5 (.61')	61 (2.4')
EC-34W115V1543		1/20	1550	115	1.6	TH.	45 (1.77')	106.5 (4.19')	33 (1.3')	61 (2.4')
EC-34W230		1/20	1550	230	0.8	TH.	45 (1.77')	106.5 (4.19')	15.5 (.61')	61 (2.4')
EC-34W230V1542		1/20	1550	230	0.8	TH.	45 (1.77')	106.5 (4.19')	33 (1.3')	61 (2.4')

Notes: Imp. = Impedance. - TH. = Thermal Protection

Fan Blades

Product ID	Motor	Diameter: mm (")	Pitch	Blades	Application	Construction
EC-4012309	4 & 5 W	154 (6.06')	19°	5	Suction	Aluminium
EC-4012543		172 (6.77')	28°	5	Blower	Aluminium
EC-4VEA009	6 & 9 W	200 (7.87')	28°	5	Suction	Plastic
EC-4VEA010		200 (7.87')	34°	5	Suction	Plastic
EC-4VEA013	9 W	230 (9.05')	25°	5	Suction	Plastic
EC-4VEA006		230 (9.05')	31°	5	Suction	Plastic
EC-4VEA007	16 W	254 (10.0')	28°	5	Suction	Plastic

Fan Guards

Product ID	Description
EC-1055223	Plastic, 7.87" Dia.
EC-1055224	Plastic, 10" Dia.
EC-1055318	Metal, 9.05" Dia.
EC-1055303	Metal, 10" Dia.

Plastic Brackets

Product ID	Description
EC-EUBKT01	Bracket for US style Elco Motors

Ventilation Motors & Fan Kits



Motor Product ID	Blower Product ID	HP	Amps	RPM	CFM	Shaft	Bracket Part#	Blower Product ID	Dia.	Width	Bore	Rot	Cross
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	130 130	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	1/1550	141	1.80"×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	1.63"×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
O6-R267	-	1/50	0.80	1/1550	118	1.50"×5/16"							BB-100, 013019
M3-R2603	R7-RB30	1/35	1.15	1/1550	268	2.20"×1/2"	92-A8606	66-A610220	6 1/16"	2 5/32"	1/2"	CW	DK260, DB200, 75003, 013041, 013040, 4143
M3-R2604	-	1/10	2.87	1/1550	300	2.00"×1/2"							DB300, 013062, 013042
M4-R2605	-	1/12	3.00	1/1050	450	1.60"×1/2"							QBD300

3.3" Refrigeration Motors



120 Volt

Product ID	HP	RPM	Amps	Rot	Type	Encl.	Body	Shaft	Bearing	Cross Ref
R3-R326	1/110	1/1550	0.40	CW	SP	Open	2.09"	1.4"×1/4"	Sleeve	Blanchard, Bohn
O6-R230	1/70	1/2800	0.64	CCW	SP	Open	2.30"	1.3"×1/4"	Sleeve	Coldstream
R3-R205	1/35	1/1550	1.20	CW	SP	Open	2.50"	1.8"×1/4"	Sleeve	Keeprite
R3-R360	1/35	1/1550	1.00	CW	SP	Open	2.60"	1.6"×1/4"	Sleeve	Keeprite
R3-R370	1/20	1/1550	0.75	CW	PSC	Open	3.98"	2.7"×5/16"	Ball	Keeprite
US-R90574	1/20	1/1550	1.90	CW	SP	Open	2.75"	2.48"×5/16"	Sleeve	Larkin, Heatcraft
R3-R358	1/20	1/1550	2.00	CCW	SP	Open	3.35"	3.2"×5/16"	Sleeve	Blanchard, Bohn
R3-R1052	1/20	1/1550	2.00	CCW	SP	Open	3.10"	3.2"×5/16"	Ball	Keeprite, Blanchard
R3-R368	1/20	1/1550	1.7	CW	SP	Open	2.70"	2.7"×5/16"	Sleeve	Ref Plus
US-R90572	1/15	1/1550	1.80	CCW	SP	Open	3.00"	3.03"×5/16"	Sleeve	Bohn, Heatcraft
R3-R313	1/15	1/1550	2.20	CCW	SP	Open	3.60"	3.0"×5/16"	Ball	Krack 1055, Bohn, Blanchard, Torin 7627401

3.3" Refrigeration Motors



240 Volt

Product ID	HP	RPM	Amps	Rot	Type	Encl.	Body	Shaft	Bearing	Cross Ref
R3-R371	1/20	1550	0.38	CW	PSC	OPEN	3.98"	2.7"×5/16"	Ball	Keeprite
US-R90575	1/20	1550	0.89	CW	SP	OPEN	2.75"	2.48"×5/16"	Sleeve	Larkin, Heatcraft
R3-R369	1/20	1550	0.90	CW	SP	OPEN	2.70"	2.7"×5/16"	Sleeve	Ref Plus
R3-R1053	1/20	1550	1.00	CCW	SP	OPEN	3.10"	3.2"×5/16"	Ball	Keeprite, Blanchard
R3-R359	1/20	1550	1.00	CCW	SP	OPEN	3.35"	3.2"×5/16"	Sleeve	Keeprite, Blanchard
R3-R314	1/15	1550	1.30	CCW	SP	OPEN	3.60"	3.0"×5/16"	Sleeve	Krack, Torin, Bohn, Blanchard

115/230 Volt

Product ID	HP	RPM	Amps	Rot	Type	Encl.	Body	Shaft	Bearing	Cross Ref
US-R91189	1/20	1550	1.6-0.8	CCW	SP	TE	3.15	1.65"×5/16"	Sleeve	Krack
US-R90721	1/12	1550	1.1-0.6	REV	PSC	OPEN	3.59	3.15"×5/16"	Ball	Bohn, Heatcraft, Larkin
US-R90671	1/15	1550	2.1-1.1	CW	SP	OPEN	5.00	2.24"×5/16"	Ball	GE 11 frame replacement
US-R90672	1/15	1550	2.1-1.1	CCW	SP	OPEN	5.00	2.24"×5/16"	Ball	GE 11 frame replacement

A/C PTAC Double Shaft Motors

5.0" Diameter Incremental / PTAC Fan & Blower Motors

- 1/10 HP
- 42 Frame
- CCW Rotation
- Double Shaft
- Open Construction
- Sleeve Bearing
- Base Inc.



UE-89 Illustrated

General Replacement For: Carrier, Chromalox, Trane, Dunham Bush

Product ID	RPM	Volts	Amps	Type	Shaft	Cross Reference
M4-R2634	5/1050	120	3.50	SP	10.2" x 1/2" x 10.2"	UE89, GE 2089, Fasco D289
UE-89	5/1050	120	3.50	SP	10.2" x 1/2" x 10.2"	GE 2089, Fasco D289
M4-R2693	5/1050	120	3.20	SP	8.0" x 3/8" x 8.0"	UE93, GE 2093, Fasco D293
M4-R2635	4/1050	208/230	1.60	SP	9.0" x 1/2" x 9.0"	UE320, GE 2907, Fasco D251
M4-R2362*	4/1075	120	1.70	PSC	9.8" x 1/2" x 9.8"	UE362, GE 2362, Fasco D291
M4-R2381*	4/1075	208/230	0.80	PSC	9.0" x 1/2" x 9.0"	UE381, Fasco D292

* - PSC - 5/370 Cap.

5.5" Diameter Air Conditioning Motors

- 48 Frame (5 5/8")
- 1075 RPM
- 3 Speed
- CCW
- PSC
- Open
- Sleeve Bearings
- Resilient Ring
- 1 1/2" thru Bolt Mount with Length Adaptor
- Fixed Lead End
- Thermal Protection
- Adjustable Base Inc.

Replacement For:
Large Window and Through The Wall Air Conditioners

Product ID	HP	Volts	Amps	Cap	Shaft
M1-R52126	1/6	120	3.10	5/370	7.5" x 1/2" x 8.2"
M1-R52761	1/2	120	7.60	7.5/370	6.8" x 1/2" x 7.4"
M1-R52118	1/6	208/230	1.20	5/370	7.5" x 1/2" x 8.2"
M1-R52113	1/4	208/230	1.90	5/370	7.5" x 1/2" x 8.0"
M1-R53676*	1/4	208/230	1.90	5/370	7.5" x 1/2" x 8.0"
M1-R52102	1/3	208/230	2.60	5/370	7.8" x 1/2" x 8.3"
M1-R53686*	1/3	208/230	1.90	5/370	7.8" x 1/2" x 8.3"
M1-R52107	1/2	208/230	3.40	7.5/370	7.7" x 1/2" x 6.2"

* No Adapter Kit Base



M1-R52113 Illustrated

TruckStock™ 3.3" Motors

3.3" PSC General Replacement Refrigeration Motor

TruckStock™
STANDARD

Features

- High Efficiency PSC
- Dual Voltage
- Ball Bearing
- Reversing Plug
- Will Replace Dozens of 1/12, 1/15, & 1/20 HP PSC and Shaded Pole Motors
- Mounting Studs Front & Rear (nuts included)



Product ID	Amps	SPD/RPM	Volts	HP	Rot	Shaft	Body	Feature
US-R90721	1.1/0.6	1/1550	115/ 208/230	1/12	REV	3.15"×5/16"	3.59"	PSC/Cap Inc.

Cross Reference

Product ID	Emerson	A.O.Smith	Fasco	GE	Heatcraft	Larkin
US-R90721	9650, 9651, 9652, 9653, 9656, 9664	9721 9702A	D1101, D1103, D1122, D1123, D1124, D1125, D1126, D1152, D1154, PD1125, D1127, 7163-2113, 7163-3371, 7190-0442, 7190-2084, 7190-2255, 7190-2285, 7190-2969	5KSM59ES2001 5KSM59JSK1435 5KSM59JS5036S 5KSM59LS2262AS	25308601 25309101 2531194 2531195	7071061

3.3" General Replacement Refrigeration Motors

Features

- Class B Insulation
- Open
- Single Shaft
- Shaded Pole
- Heavy Duty Ball Bearing
- Thermally Protected
- Single Speed
- Four studs on each end with extra mounting nuts

Benefits

- One motor replaces 1/25, 1/30, 1/40 & 1/50 horse powers with one simple connection
- Replaces hundreds of the most popular 3.3" motors currently installed
- Great TruckStock™ motors are a must-have for any contractor who offers 24-hour emergency service.



Product ID	HP	Volts	Amps	RPM	Dia	Rot	Type	Body	Shaft
R3-R376	1/25 - 1/50	115	1.6 - 1.4	1550	3.3"	CCW	SP	2.75"	5/16" × 2.5"

Cross Reference

Rotom	Mars	Packard	Fasco	A.O. Smith
R3-R376	05528	40030	D184	3325CW
	05526	40514	D514	-
	05524	40126	D126	-

5.0" Diameter Motors

21/29 Frame Replacement Motors



These specially designed Rotom motors will replace hundreds of Universal, Fasco & G.E. 21/29 frame motors. This means reduced inventory, better turnover, competitive prices and increased profits.

Features

- Easy to install
- Triple voltage (115/208/230)
- All angle
- Sleeve bearing
- 3/8" shaft with 1/2" adapter included
- Complete with resilient base
- Longer shafts
- Automatic reset thermal overload protector
- 30" colour coded leads with grommet exit
- Mechanically reversible
- 1/10 HP rating replaces G.E. 1/20, 1/15, & 1/10 motors
- Strap, stud or base mount
- 2 1/4", 2 1/2 Resilient rings
- 2 5/8" Shaft height



Mounting Base & Shaft Adapter Included

Product ID	HP	Volts	Amps	RPM	Dia	Rot	Type	Body	Shaft	Comment
M4-R2930	1/10	115/208/230	4.0	1/1050	5.0"	CCW	SP	4.80"	2.3" × 3/8"	GE2121, 2122, 2223, 2321, 2322, RF6402
M4-R2940	1/10	115/208/230	4.0	1/1050	5.0"	CW	SP	4.80"	2.3" × 3/8"	GE2113, 2213, 2311, 2312, RF6403
M4-R2942	1/10	115/208/230	4.0	1/1550	5.0"	CCW	SP	4.80"	2.3" × 3/8"	GE2141, 2142, 2241, 2242, 2341, 2342, RF4400
M4-R2932	1/10	115/208/230	4.0	1/1550	5.0"	CW	SP	4.80"	2.3" × 3/8"	GE2131, 2132, 2231, 2232, 2331, 2332, RF4401

Used on many commercial condensing units such as Copeland, Tecumseh, Hussmann & Tyler as well as unit cooler fans and blowers, refrigeration cabinets, unit heaters, space heaters, remote air conditioners, blower units and other air moving applications.

TruckStock™ 5.0" Condenser Fan Replacement Motors

TruckStock™
PREMIUM

Included

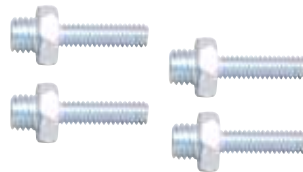
- Durable collar studs with 5/8" extension, 8-32 threads
- Extra mounting nuts with locking feature
- Easy-to-install plugs
- Mounting instructions with easy-to-read diagrams

Features

- North American Made
- Multi-Mounting System
- Single speed multi-horsepower replacement motor uses one simple connection
- Energy-efficient PSC design
- Easy-to-read connection diagram attached to white lead wire
- Water-resistant reversing plug
- Double sealed ball bearings for dependable long life
- Rubber shaft slinger keeps water and dirt out of motor
- Water-resistant rubber grommet at lead opening
- 60°C max ambient
- Class B insulation
- Lead length 36"
- 60 Hertz
- Totally enclosed
- Continuous duty, air over
- All-angle mount



**Replaces motors with a
4.33, 4.42 and 4.62 inch
mounting bolt circle**

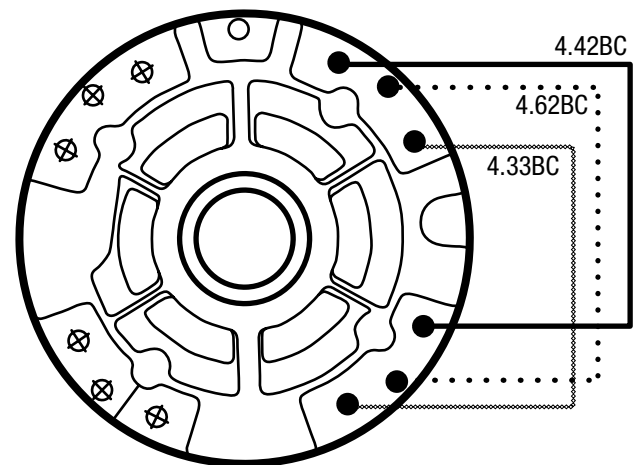


Mounting System Replaces:

4.42BC
AOS/Westinghouse Design
Emerson 42-Frame (5" dia.)

4.62BC
GE 42-Frame (5" dia.)
Fasco 42-Frame (5" dia.)
AOS/Universal Electric Design

4.33BC
Emerson Clam-Shell
GE Cap-Can



Product ID	HP	Volts	Amps	RPM	Dia	Rot	Type	Body	Shaft
M4-R2722	1/8, 1/10, 1/12	208/230	0.9	1/1075	5.0"	Rev	5/370	4.0"	1/2" x 3"
M4-R2723	1/4, 1/5, 1/6	208/230	2.0	1/1075	5.0"	Rev	7.5/370	4.5"	1/2" x 3"
M4-R2724	1/4, 1/5, 1/6	208/230	1.6	1/1625	5.0"	Rev	5/370	4.5"	1/2" x 3"

M4-R2722

HP	RPM	Amps
1/8	1075	0.9
1/10	1135	0.6
1/12	1155	0.5

M4-R2723

HP	RPM	Amps
1/4	1075	2.0
1/5	1145	1.2
1/6	1165	1.0

M4-R2724

HP	RPM	Amps
1/4	1625	1.6
1/5	1715	1.0
1/6	1759	0.7

* MultiFit™ is a trademark of A.O. Smith Corporation

TruckStock™ 5.5" Condenser Fan Replacement Motors

TruckStock™
PREMIUM

Features

- North American Made
- Multi-application Condenser Fans
- Available in sleeve bearing or ball bearing
- Short 4" body
- Rheem mounting holes and screws supplied
- All Angle Mounting
- Class B or F insulation
- Energy Efficient PSC Design
- Removable Drain Plugs
- Reversible
- 60° or 70°C Ambient

Shaft Up, Down
or Horizontal

Replacement For: Rheem

Emerson 1/6 Hp, 51-20668-11
 K55HXTDD-8385 1/5 Hp, 51-23055-11
 Catalog No. 5458 1/4 Hp, 51-23054-11
 Consolidator II 1/3 Hp, 51-23053-11

60°C Ambient - Class B Insulation

Product ID	HP	Volt	Amps	Capacitor	RPM	Rot.	Encl.	Mount	Body	Bearing	Shaft
M2-R22403	1/3-1/8	208-230	2.1	7.5/370V	825	Rev	T.E.	Belly Band, Thrubolts or Shell Holes	4.875"	Sleeve	6.7" × 1/2"
M2-R22404	1/3-1/6	208-230	2.1	7.5/370V	825	Rev	T.E.		4.875"	Ball	6.7" × 1/2"
M2-R22401	1/3-1/6	208-230	2.0	7.5/370V	1075	Rev	T.E.		4.125"	Sleeve	6.7" × 1/2"
M2-R22402	1/3-1/6	208-230	2.0	7.5/370V	1075	Rev	T.E.		4.125"	Ball	6.7" × 1/2"

70°C Ambient - Class F Insulation

Product ID	HP	Volt	Amps	Capacitor	RPM	Rot.	Encl.	Mount	Body	Bearing	Shaft
M2-R22405	1/8-1/15	208-230	1.0	5/370V	825	Rev	T.E.	Belly Band, Thrubolts or Shell Holes	4.50"	Sleeve	6.5" × 1/2"
M2-R22408	1/8-1/15	208-230	0.8	5/370V	825	Rev	T.E.		4.50"	Ball	6.5" × 1/2"
M2-R22418	1/8-1/15	208-230	0.8	5/370V	1075	Rev	T.E.		4.00"	Sleeve	6.5" × 1/2"
M2-R22420	1/8-1/15	208-230	0.8	5/370V	1075	Rev	T.E.		4.00"	Ball	6.5" × 1/2"
M2-R22410	1/3-1/8	208-230	2.1	7.5/370V	825	Rev	T.E.		4.875"	Sleeve	6.5" × 1/2"
M2-R22412	1/3-1/8	208-230	2.1	7.5/370V	825	Rev	T.E.		4.875"	Ball	6.5" × 1/2"
M2-R22415	1/3-1/8	460	2.1	7.5/370V	825	Rev	T.E.		5.125"	Ball	6.5" × 1/2"
M2-R22422	1/3-1/6	208-230	2.0	7.5/370	1075	Rev	T.E.		4.125"	Sleeve	6.5" × 1/2"
M2-R22425	1/3-1/6	208-230	2.0	7.5/370	1075	Rev	T.E.		4.125"	Ball	6.5" × 1/2"
M2-R22428	1/3-1/6	460	1.2	7.5/370	1075	Rev	T.E.		4.875"	Ball	6.5" × 1/2"
M2-R22430	1/2-1/5	208-230	2.5	10/370	825	Rev	T.E.		5.61"	Ball	6.5" × 1/2"
M2-R22435	1/2-1/5	208-230	3.6	10/370	1075	Rev	T.E.		5.36"	Ball	6.5" × 1/2"
M2-R22438	1/2-1/5	460	1.5	10/370	1075	Rev	T.E.		5.61"	Ball	6.5" × 1/2"

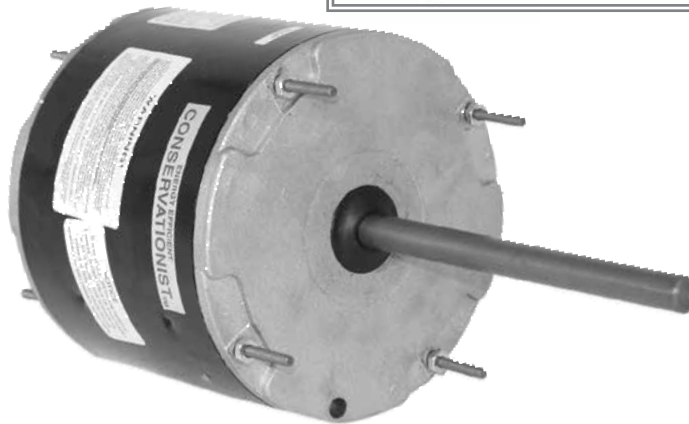
TruckStock™ Condenser Fan Replacement Motors

TruckStock™
PREMIUM

Features

- Multi-Rating Cap Supplied
- North American Made
- 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 Air Over
- Mounts by Belly Band, Thru Bolts or Shell Holes
- Rheem Mounting Holes in Shell
- 60 Hz

**Totally Enclosed
Air Over - 60°C Ambient**



Product ID	HP	Spd.	RPM	Volt	Amps	Cap. (370V)			Bearing	Leads	Body	Shaft
						208V	230V					
M2-R22601	1/3	High	825	208-230	1.9	10	mfd	7.5	Ball	36"	5.24"	1/2"×5"
	1/4				1.5							
	1/5	1.2										
	1/6	1.0										
M2-R22603	1/2	High	825	208-230	2.4	12.5	mfd	10	Ball	36"	5.61"	1/2"×6"
	1/3				1.7							
	1/4	1.4										
	1/5	1.1										
M2-R22600	1/3	High	1075	208-230	2.8	7.5	mfd	5	Sleeve	36"	4.86"	1/2"×6"
	1/4				2.0							
	1/5	1.7										
	1/6	1.5										
M2-R22605	1/3	High	1075	208-230	2.8	7.5	mfd	5	Ball	36"	4.86"	1/2"×6"
	1/4				2.0							
	1/5	1.7										
	1/6	1.5										
M2-R22602	1/2	High	1075	208-230	3.9	12.5	mfd	10	Ball	36"	5.24"	1/2"×5"
	1/3				2.2							
	1/4	1.6										
	1/5	1.3										

Cross Reference

Rotom	Emerson	Genteq	Fasco	Marathon	A.O. Smith
M2-R22601	5464, 5464H	3469, 3469HS	D2826	-	FE6001F
M2-R22603	-	-	-	-	FE6003F
M2-R22600					
M2-R22605	5462, 5462H	3465, 3465HS	D2827	X072	FE6000F
M2-R22602	5465, 5465H	3468, 3468HS	-	X076	FE6002F

5.5" Condenser Fan Motors



Features

- 48Y Frame
- 5.5" Diameter
- Totally Enclosed - All Angle
- Mounting: Stud & Strap
- 60 Hz
- Rain Shields
- Reversible
- Permanent Split Capacitor (P.S.C.)
- 25.6" Coloured Electrical Leads
- 60°C Ambient (where noted)
- Insulation Class B
- Thermally Protected



**24 Month
Warranty**

T.E. - All Angle!

CF-812/816

Applications

Residential & commercial outdoor air conditioning condensers & refrigeration condensers.

Condenser Fan

Product ID	HP	Voltage	Amps	Cap.	RPM	Rotation	A Dim.	Bearing	Shaft
CF-3726*	1/6	208/230	1.3	5/370	1/1075	Revers.	4.25"	Ball	5.5" x 1/2"
CF-816	1/6	208/230	1.1	5/370	1/825	Revers.	4.25"	Ball	6.0" x 1/2"
CF-3732*	1/4	208/230	2.2	5/370	1/1075	Revers.	4.25"	Ball	5.5" x 1/2"
CF-814	1/4	208/230	1.5	5/370	1/825	Revers.	5.00"	Ball	6.5" x 1/2"
CF-3733	1/3	208/230	2.8	7.5/370	1/1075	Revers.	4.50"	Ball	6.0" x 1/2"
CF-813	1/3	208/230	1.9	7.5/370	1/825	Revers.	5.00"	Ball	6.5" x 1/2"
CF-3734	1/2	208/230	4.2	10/370	1/1075	Revers.	5.50"	Ball	6.5" x 1/2"
CF-3735	3/4	208/230	4.5	10/370	1/1075	Revers.	5.75"	Ball	5.5" x 1/2"

Capacitor Not Included

*60°C Ambient

Cross Reference

Rotom	HP	Bearing	AO Smith	Diversitech	Emerson	Fasco	Embraco	GE	Marathon	Packard	UE	Rotom
CF-3726	1/6	Sleeve	FSE1016S, SV1	WG840727	1859	D917		3727	X411		184	R31700
	1/6	Ball	FE1016S						X427			
CF-816	1/6	Ball	EM3403							60825		
CF-3732	1/4	Sleeve	FSE1026S, SV1	WG840728	1860	D909	E221	3728	X412		176	R31702
	1/4	Ball	FE1026S, SB		1876	D7909		3732	X428			
CF-814	1/4	Sleeve	FSE1028S		1874	D934, D797			X450		474, 739	R22445
	1/4	Ball	FE1028S, F1028			D792		3040	X097			
CF-3733	1/3	Sleeve	FSE1036S, SV1	WG840729	1861	D908	E222	3729	X413		175	R31703
	1/3	Ball	FE1036S, SB		1877	D7908		3733				
CF-813	1/3	Sleeve	FSE1038S		1875	D936, D796			X451		475, 740	R22345
	1/3	Ball	FE1038S, F1038			D791		3026	X086		476	
CF-3734	1/2	Sleeve	FSE1056S, SV1	WG840730	1862	D907	E223	3730	X414		187	R31705
	1/2	Ball	FE1056S, SB		1878	D7907		3734			5578	
CF-3735	3/4	Sleeve	FSE1076S, SV1		1868			3731	X095		779	R31706
	3/4	Ball	FE1076S		1879	D931		3735			668	

5.5" Condenser Fan Motors

5.5" Dia. Totally Enclosed Condenser Fan Motors

- 60°C Ambient • High Efficiency PSC • 48 Frame • All Angle
- Reversing Plug • 6.0" × 1/2" Shaft • 1 1/2" Extended Thru Bolts Both Ends

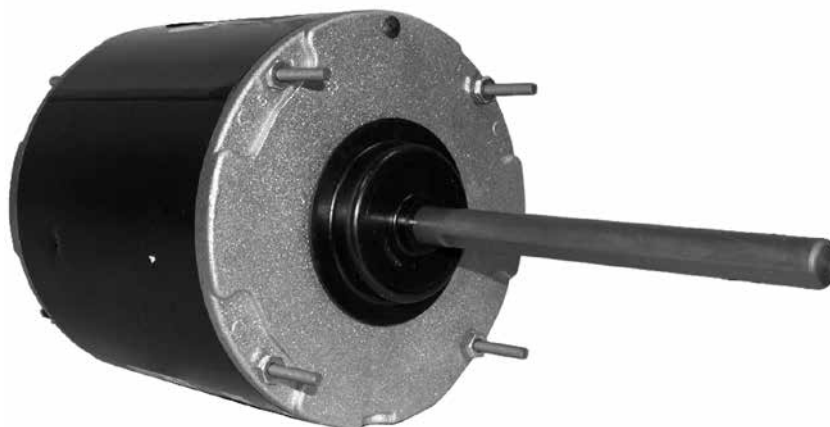


Direct Replacement For:

- Armstrong
- Carrier
- Climate Master
- Comfortaire
- Frigidaire
- Goodman
- ICP
- Lennox
- Miller
- Olsen
- Rheem Ruud
- York
- Trane

**High Ambient &
Energy Efficient**

**Totally Enclosed
All Angle**



460 Volt - Single Phase

Product ID	H.P.	RPM	Amps	Bearing	Cap
M2-R31710	1/4	1075	0.80	Ball	7.5/370
M2-R31712	1/3	1075	0.90	Ball	7.5/370
M2-R31718	1/2	1050	1.40	Ball	10/370
M2-R31716	3/4	1075	2.70	Ball	10/370

575 Volt - Single Phase

Product ID	H.P.	RPM	Amps	Bearing	Cap
R6-R42604	1/3	1100	0.80	Ball	7.5/440
R6-R42605	1/2	1625	1.00	Ball	7.5/440
R6-R42606		1100	1.10	Ball	7.5/370
R6-R42607	3/4	1075	1.60	Ball	15/370

TruckStock™ 5.5" Condenser Fan and Direct Drive Motors

TruckStock™
STANDARD

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



Condenser Fan

Product ID	HP	Spd.	RPM	Volt	Amps	Cap	Bearing	Leads	Body	Shaft
M2-R23469	1/3-1/5	Two	825	208-230	1.9-1.2	10/370 or 7.5/370	Ball	26"	5.24"	1/2"×6"
M2-R23465	1/3-1/5	Two	1075	208-230	2.8-1.7	7.5/370 or 5/370	Ball	26"	4.86"	1/2"×6"
M2-R23468	1/2-1/4	Two	1075	208-230	3.9-1.6	12.5/370 or 10/370	Ball	26"	5.24"	1/2"×6"

Cross Reference

Rotom	Diversitech	Smart	A.O. Smith
M2-R23469	WG840469	SE3469	EM3469
M2-R23465	WG840465	SE3465	EM3465
M2-R23468	WG840468	SE3468	EM3468

Direct Drive

Product ID	HP	Spd.	RPM	Volt	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

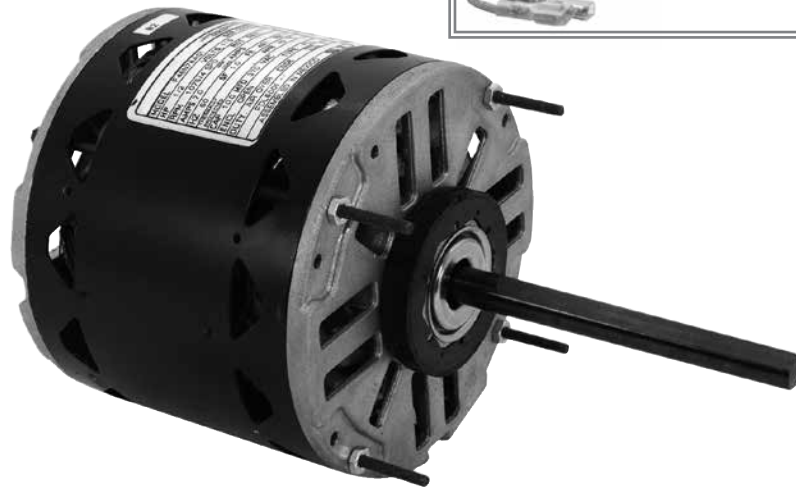
Rotom	AO Smith	Emerson	Genteq	Fasco	Marathon	Diversitech	Smart	Carrier	Carrier	York
R6-R43463	EM3463	5460	3463	D2835	X077	WG840463	SE3463	P257-E5460	T257-3463	S1-FHM3463
R6-R43464	EM3464	5461	3464	D833	X073	WG840464	SE3464	P257-E5461	T257-3464	S1-FHM3464
R6-R43466	EM3466	5470	3466	D2834	X074	WG840466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

TruckStock™ Direct Drive Motors

Features

- Multi-Rating Cap Supplied
- North American Made
- Less Inventory Required!
- Versatile!
- Time Saver!
- Easy Installations!
- Energy Efficient
- Different Capacitor/Speed Combos
- Designed for 370V Cap
- Reversible Rotation
- Resilient Rings
- Extended Thru Bolts
- Automatic Protector
- Class B Insulation
- 48 Frame
- Continuous Duty Air Over
- Belly Band, Thru Bolts or Shell Holes
- Rheem Mounting Holes in Shell
- 60 Hz

**Open Drip Proof
40°C Ambient**



**TruckStock™
PREMIUM**



**Supplied Free In
Every Box**

All-Purpose Capacitor

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

Product ID	HP	Spd.	RPM	Volt	Amps	Capacitor (370V)	Bearing	Leads	Body	Shaft
R6-R43600	1/2	All	1075	115	7.0	10 mfd	Sleeve	26"	4.86"	1/2"×5"
	1/3	All			6.7					
	1/4	Lo, Med-Lo, Med-Hi			4.4					
	1/5	Low, 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					
	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					
	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					
	1/4	Lo, Med-Lo, Med-Hi			2.3					
	1/5	Lo, Med-Lo			2.0					

* 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	Protech	Fasco	Marathon	A.O. Smith
R6-R43600	5460	3463	51-23012-41	D2835	X077	FDL6001A
R6-R43601	5461	3464	51-23022-41	D833	X073	FD6000A
R6-R43602	5470	3466	-	D2834	X074	FDL6002A
R6-R43603	5471	3467	-	D2833	X075	FD6001A

5.5" Direct Drive Motors



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 (P.S.C.)
- 40°C Ambient
- Insulation Class B
- Thermally Protected

40°C Ambient

**24 Month
Warranty**



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



92-A855
7 5.5" Diameter for
1/2 HP and above
10" Bolt Circle **HEAVY DUTY**

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

Product ID	HP	Volts	Amps	Cap.	SPD/RPM	Rotation	Body	Bearing	Shaft
DD-3583	1/4	115	4.8	5/370	3/1075	Revers.	4.22"	Sleeve	1/2"×4.0"
DD-3584	1/4	208/230	2.0	5/370	3/1075	Revers.	4.22"	Sleeve	1/2"×4.0"
DD-3585	1/3	115	5.5	7.5/370	3/1075	Revers.	4.37"	Sleeve	1/2"×4.0"
DD-3586	1/3	208/230	2.8	5/370	3/1075	Revers.	4.48"	Sleeve	1/2"×4.0"
DD-3587	1/2	115	7.5	10/370	3/1075	Revers.	5.25"	Sleeve	1/2"×4.0"
DD-3588	1/2	208/230	3.6	10/370	3/1075	Revers.	5.23"	Sleeve	1/2"×4.0"
DD-3589	3/4	115	10.2	15/370	3/1075	Revers.	5.48"	Sleeve	1/2"×4.0"
DD-3590	3/4	208/230	5.4	10/370	3/1075	Revers.	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

5.5" Direct Drive Motors



Features

- 48Y Frame
- 5.5" Diameter
- Open Enclosure
- Mounting: Flex
- 60 Hz
- Sleeve Bearing
(except DD-035 & DD-036 are Ball Bearing)
- Shaft: 1/2" x 6"
- Reversible
- Permanent Split Capacitor (P.S.C.)
- 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

Product ID	HP	Volts	Amps	Cap.	A Dim.	Bearing	Shaft
DD-034	1/4	115	3.6	5/370	3.40"	Sleeve	1/2"x6"
DD-044		208/230	1.7	5/370	3.40"	Sleeve	1/2"x6"
DD-035	1/3	115	5.0	10/370	4.30"	Ball	1/2"x6"
DD-045		208/230	2.3	10/370	4.30"	Sleeve	1/2"x6"
DD-036	1/2	115	7.6	10/370	4.85"	Ball	1/2"x6"
DD-046		208/230	3.8	10/370	4.85"	Sleeve	1/2"x6"

Capacitor Not Included

Cross Reference

Rotom	AO Smith	Fasco	GE	Marathon	UE	Rotom
DD-034	FML1026	D1730	3783	X034	752	R42034, R42419
DD-044	-	D1733	3784	-	-	R42449
DD-035	FML1036	D1731	3785	X035	753, 947	R42035, R42319
DD-045	FM1036	D1734	3786	-	-	R42349
DD-036	FML1056	D1732	3787	X036	754	R42036, R 42219
DD-046	FM1056	D1735	3788	-	-	R42249

5.5" Direct Drive Motors

EC Direct Drive Blower Motors

Features

- High Efficiency
- Replaces either PSC or X13 model of equivalent HP
- Dual Voltage Design: Replace 115 or 230V with one motor
- Rotation Sensing Technology - Automatically selects rotation upon first start up
- Replaces 100s of different motors
- 45" wiring harness



Product ID	H.P.	Volts	RPM	Amps	Hertz	Shaft Dimension (in.)	Length Less Shaft (in.)	Motor Type	Cord Length
46013	1/3	115/230	1075	5.0/3.0	60/50	1/2 x 5	6 3/8	ECM	45"
46012	1/2	115/230	1075	6.7/4.0	60/50	1/2 x 5	6 3/8	ECM	45"
46034	3/4	115/230	1075	8.2/4.9	60/50	1/2 x 5	7 5/8	ECM	45"
46001	1	115/230	1075	11.0/6.7	60/50	1/2 x 5	7 5/8	ECM	45"

Accessories In the Box

- Harness – *same harness for all applications*
- Voltage Plugs
 - One for 115vac (wht) | One for 230vac (ylw)
- Optional jumper wires and extra terminals
- Optional Y-adaptor
- Installation manual



Fan Coil Motors

ECM Fan Coil Motors

Features

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

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



Tempspec Replacement Fan Coil Motors

9" or 10" Bolt Circle

Product ID	HP	Volts	Amps	Type	Cap.	RPM	Rot.	Body	Frame	Bearing	Shaft	Cross
M4-R799	1/8	115	3.00	PSC	5/370	5/1000	CCW	3.87"	5.0"	Ball	5.0" x 1/2"	L350,L450,L600, UE DA3E200, DA3F100, DA3G142



Fan Coil Motors

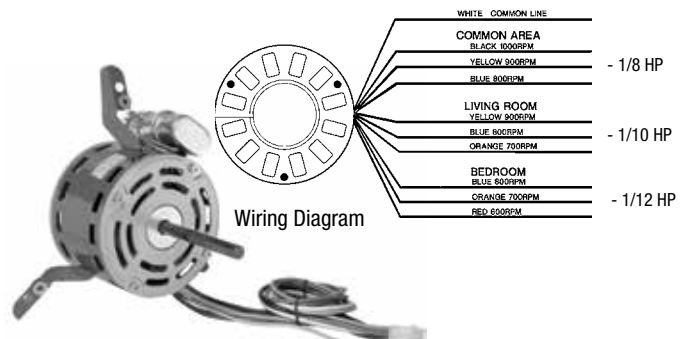
Direct Replacement For:

- Climetec
- Snyder-General
- Tempspec
- Unilux

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

DD-030 Replaces: 5KCP39DGV279S

Product ID	HP	Amps	Cap.	RPM	Body	Frame	Shaft
DD-030	1/6	2.6	Inc.	5/950	3.98"	48	1/2" x 4.5"



Condenser Fan Motors

5.5" Diameter Fan Canopy Motors

Replacement For:

Addison, Bohn, Comfortaire, Carrier, Keeprite, York

- Reversible
- 48 Frame
- Auto Protection
- Shaft 4 5/8" × 1/2"
- High Thrust Capacity
- Heavy Duty
- 60°C or 70°C Ambient
- Ball Bearing



M5-S1510 Illustrated

Single Phase

Product ID	HP	RPM	Volts	Amps 230	Amps 460	Amps 575	AMB	Shaft	Cap
M5-S1502	1/3	1/1075	200/230/460	3.20	1.60		70°C	3.6"×1/2"	5/440
M5-S1504	1/2	1/1075	200/230/460	4.00	2.00		70°C	3.6"×1/2"	7.5/440
M5-S1503	1/2	1/1075	200/230/460	4.00	2.00		70°C	3.6"×1/2"	7.5/440
M5-S1510	3/4	1/1075	200/230/460	4.60	2.30		70°C	3.6"×1/2"	20/370
M5-S1514*	1	1/1075	200/230/460	6.40	3.20		70°C	4.0"×5/8"	25/370
M5-S1516*	1	1/1075	575			2.20	60°C	4.0"×5/8"	25/370
M5-S1518*	1½	1/1075	200/230/460	7.00	3.50		70°C	4.0"×5/8"	25/370



Frame Adapter
92-A4856
Converts 48 Frame
Motors to 56 Frame Motors

Three Phase

Product ID	HP	RPM	Volts	Amps 230	Amps 460	Amps 575	AMB	Shaft	Cap
M5-T1532	1/2	1/1140	200/230/460	3.00	1.50		70°C	3.5"×1/2"	-
M5-T1534	3/4	1/1140	200/230/460	4.00	2.00		70°C	4.0"×5/8"	-
M5-T1536	3/4	1/1140	575			1.50	60°C	4.0"×5/8"	-
M5-T1538*	1	1/1140	200/230/460	5.60	2.80		70°C	4.0"×5/8"	-
M5-T1539	1	1/1140	575			1.30	40°C	4.0"×5/8"	-
M5-T1542*	1½	1/1120	200/230/460	5.80	2.90		70°C	4.0"×5/8"	-

* - Includes 92-A4856

Fan Canopy Condenser Fan - Replacements For: Carrier

5.5" Diameter • Single Phase • Lug Mounting • Semi Enclosed • Reversible

Ball Bearing • Auto Protection • 60°C Ambient • 2.5"×1/2" Shaft

Product ID	HP	RPM	Volts	Amps	Cross Ref
M5-S1507A	1/2	1/1075	200/230/460	4.6/2.3	HC43VL460/600
M5-S1506A	1/2	1/1075	575	1.80	HC43VE575



M5-S1507
Illustrated

6.5" Diameter • Single Phase • 56 Frame • CCW Rotation • Open Drip

Ball Bearing • Auto Protection • PSC • 3.6" × 5/8" Shaft

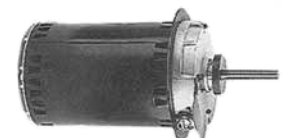
Product ID	HP	RPM	Volts	Amps	Cross Ref
M5-S1453	1	1/1075	200/230/460	6.5	HC5ITE200/230/460
M5-S1455	1	1/1075	575	2.10	HC5ITE575



M5-S1455
Illustrated

Three Phase • P56Z Frame • 208-230/460 & 575 Volt • 5/8" × 3 1/2" Shaft

Product ID	HP	RPM	Volts	Amps	Cross Ref
UE-H978	SPL	1140	200/230/460/575	5.5/2.8-3.4	HD52AK652



6.5" Condenser Fan Motors



Single Phase

- Auto Protector
- Service Factor 1.0
- Class B Moisture-Resistant Ins.
- Double Sealed Ball Bearing
- 60°C Ambient
- 60 Hz
- 1" (Min.) Extended Thru Bolts
- Quick-Connect Design



Product ID	HP	Voltage	Amps	Cap.	RPM	Rot.	A Dim.	Bearing	Shaft	Base	Comment
M5-S1450	1/2	230	2.7	10/370	1/825	Rev	8.6"	Ball	6.1" × 5/8" Keyed & Flat	92-A8279	Trane, Carrier, Climatrol, York, X208
M5-S1452	3/4	460-200-230	1.9/4.0	10/370	1/1075	Rev	10.25"	Ball	6.0" × 5/8" Keyed & Flat	92-A8280	Trane, Carrier, Climatrol, York, X207
M5-S1454	1	460/200-230	2.4/4.8	25/370	1/1075	Rev	10.75"	Ball	6.0" × 5/8" Keyed & Flat	92-A8279	Trane, Carrier, Climatrol, York, C770
M5-S1451	1	575	2.2	25/370	1/1075	Rev	11.31"	Ball	6.0" × 5/8" Keyed & Flat	-	
M5-S1456	1 1/2	460/200-230	3.3/6.6	25/370	1/1075	Rev	12.06"	Ball	6.0" × 5/8" Keyed & Flat	-	Trane, Carrier, Climatrol, York, C771

Three Phase

- Auto Protector
- Class B Moisture-Resistant Insulation
- Double Sealed Ball Bearing
- Quick-Connect Design
- Service Factor 1.0
- 60°C Ambient
- 60 Hz



Product ID	HP	Voltage	Amps	Encl.	RPM	Rot.	A Dim.	Bearing	Shaft	Base	Comment
M5-T2532	1/2	460/200-230	1.3/2.8-2.6	Open OSE	1/1140	Rev	10.31"	Ball	6.0" × 5/8" Keyed & Flat	92-A8280	Climate Master, Dunham Bush, X500
M5-T2529	1/2	575	0.8	TEAO	1/1140	Rev	9.12"	Ball	3.44" × 5/8" Keyed & Flat	-	H977
M5-T2534	3/4	460/200-230	1.5/2.8-3.0	Open OSE	1/1140	Rev	10.31"	Ball	6.0" × 5/8" Keyed & Flat	92-A8279	Keeprite, York, Trane, Carrier, Lennox, H567
M5-T2537	1	460/200-230	2.0/4.4-4.0	Open OSE	1/850	Rev	9.36"	Ball	4.88" × 5/8" Keyed & Flat	92-A8281	Blanchard Ness, Hussmann, SPL
M5-T2539	1	575	1.6	Open OSE	1/850	Rev	10.25"	Ball	3.31" × 5/8" Keyed & Flat	-	Blanchard Ness, Hussmann, H962
M5-T2538	1	460/200-230	2.6/5.3-5.2	Open OSE	1/1140	Rev	10.81"	Ball	6.0" × 5/8" Keyed & Flat	92-A8283	Keeprite, York, Trane, Carrier, Lennox, H667
M5-T2540	1	575	2.0	Open OSE	1/1140	Rev	10.81"	Ball	6.0" × 5/8" Keyed & Flat	92-A8283	Keeprite, York, Trane, Carrier, Lennox, X522
M5-T2542	1 1/2	460/200-230	3.0/5.8-6.0	Open OSE	1/1140	Rev	10.81"	Ball	6.0" × 5/8" Keyed & Flat	92-A8282	Keeprite, York, Trane, Carrier, Lennox, H767
M5-T2543	1 1/2	575	2.3	Open OSE	1/1140	Rev	10.81"	Ball	6.0" × 5/8" Keyed & Flat	92-A8282	Keeprite, York, Trane, Carrier, Lennox, H963
M5-T2544	2	460/208-230	7.2	-	1/1140	Rev	11.1"	Ball	5.0" × 5/8" Keyed & Flat	-	Cancoil, X509
M5-T2545	2	460/208-230	3.1/6.8-6.2	Open OSE	1/1140	Rev	12.00"	Ball	3.63" × 5/8" Keyed & Flat	-	70°C Ambient
M5-T2536	2	575	2.7	-	1/1140	Rev	11.1"	Ball	5.0" × 5/8" Keyed & Flat	-	Cancoil, X526

6.5" Three Phase Motors



ODP Resilient Base

Features

- Ball Bearing
- 40°C Ambient
- Class B Insulation
- 60 HZ
- Continuous Duty
- 1/4 thru 3 HP
- Open Drip Proof



Product ID	HP	Voltage	Amps	SF	RPM	Rot.	A Dim.	Bearing	Shaft	Comment
M5-T2110	1/2	460/200-230	1.5/2.5-3.0	1.25	1/1725	Rev	12.2"	Ball	1.875" × 5/8" Keyed	YORK 24-15447-004, R1433A424
M5-T2113	1/2	575	0.70	1.25	1/1725	Rev	11.1"	Ball	1.875" × 5/8" Keyed	
M5-T2118	3/4	460/200-230	1.7/2.9-3.4	1.25	1/1725	Rev	12.2"	Ball	1.875" × 5/8" Keyed	BALDOR M3112A, FASCO D5626, MARATHON G101, CENTURY H851
M5-T2121	3/4	575	0.90	1.25	1/1725	Rev	11.1"	Ball	1.875" × 5/8" Keyed	MARATHON G962
M5-T2130	1	460/200-230	1.9/3.5-3.8	1.15	1/1725	Rev	12.7"	Ball	1.875" × 5/8" Keyed	MARATHON G100
M5-T2135	1	575	1.5	1.15	1/1725	Rev	12.7"	Ball	1.875" × 5/8" Keyed	YORK 24-13763-000, BLANCHARD E3016, R1453P323
M5-T2142	1 1/2	460/200-230	2.3/4.7-4.6	1.30	1/3450	Rev	12.9"	Ball	1.875" × 5/8" Keyed	HC54AE652, HC54DL651, 653, P261-7501, R1463A244
M5-T2137	1 1/2	575	1.8	1.15	1/3450	Rev	12.9"	Ball	1.875" × 5/8" Keyed	
M5-T2140	1 1/2	460/200-230	2.8/5.0-5.6	1.15	1/1725	Rev	12.9"	Ball	1.875" × 5/8" Keyed	BALDOR RM3154A, FASCO D5630, MARATHON G126, CENTURY H853
M5-T2143	1 1/2	575	2.0	1.20	1/1725	Rev	11.1"	Ball	1.875" × 5/8" Keyed	
M5-T2156	2	460/200-230	2.9/6.0-5.8	1.20	1/3450	Rev	13.9"	Ball	1.875" × 5/8" Keyed	CARRIER HD56AE700, HD56DZ851, YORK 24-17671-003, R1473A244
M5-T2157	2	575	2.4	1.20	1/3450	Rev	13.9"	Ball	1.875" × 5/8" Keyed	YORK 24-10521-000, R1473P344
M5-T2158	2	460/200-230	3.5/6.6-7.0	1.15	1/1725	Rev	11.5"	Ball	2.3" × 7/8" Keyed	DUNHAM BUSH 0390080, R1473A243
M5-T2155	2	575	2.4	1.20	1/1725	Rev	13.1"	Ball	2.3" × 7/8" Keyed	
M5-T2164	3	460/200-230	4.3/9.0-8.6	1.15	1/3450	Rev	13.8"	Ball	2.3" × 7/8" Keyed	CARRIER HD58AE700, YORK 24-10341-000, R1483P244
M5-T2165	3	575	3.6	1.15	1/3450	Rev	13.8"	Ball	2.3" × 7/8" Keyed	YORK 24-10341-000, R1483P244, P56P2T11B2, R1483P344
M5-T2166	3	460/200-230	4.4/9.0-8.8	1.15	1/1725	Rev	12.20	Ball	2.3" × 7/8" Keyed	HD56DL206, HD58DL205, 851, WW94X161, WW94X232, P-8-4347
M5-T2167	3	575	3.6	1.15	1/1725	Rev	14.6	Ball	2.3" × 7/8" Keyed	GENERAL REPLACEMENT

HRV Motors & Blowers



Air 2000

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross
R3-R316	1/20	115	1.36	SP	1550	CCW	2.7"	3.3"	Ball	-	1.6"×1/4"	80093

Nutech

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross
M4-R2655	1/12	115	1.10	PSC	1/1550	CCW	3.0"	5.0"	Sleeve	5/370	2.8"×3/8"×2.9"	A0812B2355 Fasco 7184-0254
M4-R2324	1/12	115	1.40	PSC	1/1550	CCW	3.6"	5.0"	Ball	3/370	2.8"×3/8"×2.6"	Nubreath 23-204, GE5KCP298G8560BS, Fasco 7185-0242

Vanee

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross
R3-R348	1/15	110/115	1.12	PSC	2/1550	CCW	4.1"	3.3"	Sleeve	4/370	3.35"×3/8"	Heat Recovery Motor M1703, Fasco 7190-0369

Venmar

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Cross
R2-R462	1/17	115	1.20	PSC	3/1660	CW	4.00"	3.3"	Sleeve	7.5/370	3.5"×3/8"×3.5"	02101, Fasco 7190-2271 Kit 12027, 12029, 12109
R2-R438	1/14	115	1.05	PSC	2/1600	CW	4.25"	3.3"	Sleeve	4/370	1.55"×5/16"	01038, Fasco 7190-2008
R3-R366	1/7	115	1.7	PSC	3/1630	CW	4.78"	3.3"	Sleeve	7.5/370	2.97"×3/8"×3"	02100, Fasco 7190-1523 Kit 1206, 12151
R2-R422	1/6	115	2.9	PSC	3/1690	CW	4.93"	3.3"	Sleeve	7.5/370	2.1"×3/8"	02209, Fasco 7190-1522

OEM Replacement Motors



Addison

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap.	Shaft	Comments
M2-R32727	1/5-1/8	230	1.5-0.8	PSC	2/1075	CCW	4.4"	5.5"	Sleeve	5/370	3.75"×1/2"	1847-01-05, 8101-193, 8101-279, 18471-01-05, 19906-01-02, F54CKY-1379, F55BWM-1119, F55CDR-1259, F55CSH-1352, K55EBC-2608, K55ERC-3004, 8537
M2-R32427	1	208/230/460	6.2/3.1	PSC	1/1075	CCW	6.2"	5.5"	Ball	15/370	3.5"×5/8"	811N-0064A, F48F07B65

Air 2000

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
R3-R316	1/20	115	1.36	SP	1550	CCW	2.7"	3.3"	Ball	-	1.6"×1/4"	HRV Motor 80093

Airdex

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
R7-RB245	1/25	115	1.5	SP	1550	CCW	9.2"	3.3"	Sleeve	-	2.8" Wheel	AMU245, Airdex

Amana

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
M2-R32118	1/12	208/230	0.6	PSC	1/825	CW	3.86"	5.5"	Sleeve	5/370	2.25"×1/2"	1871, K55BGZ-6813
M2-R31018	1/6	208/230	1.1	PSC	1/825	CW	4.36"	5.5"	Sleeve	5/370	2"×1/2"	1873, K55BGW-6814

American Air Filter

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap.	Shaft	Comments
M4-R2622	1/6-1/12	115	3.70	PSC	4/1550	CCW	4.0"	5.0"	Sleeve	5/370	8.13"×1/2"×8.13"	7184-0354

OEM Replacement Motors



Arkla

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
R6-R32317	1/3	115	4.8	PSC	1/825	CCW	5.43"	5.5"	Ball	5/370	2.5"×1/2"	B14506-393, B14506-363, F48SR8V1, F48SP8V3, K8042, 2342, C729, 3M824, D795
M2-R32237	1/2	230	3.0	PSC	1/825	CCW	5.38"	5.5"	Ball	5/370	2.75"×1/2"	B14506-396, B14506-354, F48SR8V3, F48SR8V7, F48ST8V1, K8075

Armstrong

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
M4-R2691	1/5	208/230	1.5	PSC	1/1075	CW	4.00"	5.0"	Sleeve	5/370	3.9"×1/2"	Magic Chef, 35035B001 Johnson Air Ease 322P859, CJK15,18,24,30,36, F42B59A01

Arneg

Product ID	Watts	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Shaft	Comments
EC-4W115V835	4	115	0.40	SP	1/1550	CW	2.30"	-	Sleeve	Hubless	34410000
EC-9W115V834	9	115	0.58	SP	1/1550	CW	2.67"	-	Sleeve	Hubless	34410001
EC-HE-0170	12	115	0.18	ECM	1/1450	CW	3.61"	-	Ball	Hubless	34410012 (for fan 34415010)

Blanchard-Ness (cont. next page)

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Comments
R3-R326	1/110	120	0.40	SP	1/1550	CW	2.09"	3.3"	Sleeve	-	1.4"×1/4"	Blower Coil Motors, E01001,2,3
T1-R1014	1/100	115	0.70	SP	1/3000	CW	0.875	Skel	Sleeve	-	1.25"×0.1811"	Bohn, Hussman Evap. Motor E1014, J238-087-8104
R3-R302	1/100	240	0.30	SP	1/1550	CW	1.94"	3.3"	Sleeve	-	1.3"×1/4"	Blower Coil Motors, E01004

OEM Replacement Motors



Blanchard-Ness (cont. from previous page)

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Comments
R3-R358	1/20	120	2.00	SP	1/1550	CCW	3.25"	3.3"	Sleeve	-	2.8"×5/16"	Blower Coil Motors, E01007,57,58
R3-R359	1/20	208/240	1.00	SP	1/1550	CCW	3.35"	3.3"	Sleeve	-	3.2"×5/16"	Blower Coil Motors, E01059
R3-R1052	1/20	120	2.00	SP	1/1550	CCW	3.10"	3.3"	Ball	-	3.2"×5/16"	Blower Coil Motors, E1052
R3-R313	1/15	120	2.20	SP	1/1550	CCW	3.60"	3.3"	Ball	-	3.0"×5/16"	Blanchard 5034LS, 5008SS, U-572
R3-R314	1/15	208/230	1.30	SP	1/1550	CCW	3.60"	3.3"	Sleeve	-	3.0"×5/16"	Blanchard 5044MS, 5008TS, U-573
M2-R22746	1/3	208/230	2.60	PSC	1/1075	Rev	4.80"	5.5"	Sleeve	7.5/370	6" × 1/2"	E1022, E1025
M5-T2532	1/2	208/230/460	2.80	3 Ph	1/1140	Rev	10.3"	6.5"	Ball	-	6" × 5/8"	E01020, 1066
M5-T2537	1	208/230/460	4.4	3 Ph	1/850	Rev	9.36"	6.5"	Ball	-	4.88" × 5/8"	E05026
M5-T2539	1	575	1.60	3 Ph	1/850	Rev	10.25"	6.5"	Ball	-	3.31" × 5/8"	E05027
M5-T2544	2	208/230/460	7.20	3 Ph	1/1140	Rev	11.1"	6.5"	Ball	-	5" × 5/8"	E05033
M5-T2536	2	575	2.70	3 Ph	1/1140	CW	11.1"	6.5"	Ball	-	5" × 5/8"	E05034

Bohn (cont. next page)

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
O6-R511	1/350	230	0.35	SP	1/1350	CW	1.7"	3.3"	Sleeve	-	2.0" × 1/4"	79105, 79115
R3-R326	1/110	120	0.40	SP	1/1550	CW	2.09"	3.3"	Sleeve	-	1.4" × 1/4"	79101
T1-R605	1/55	115	1.00	SP	1/2800	CW	0.90"	Skel	Sleeve	-	1.75" × 0.1811"	79103, 79104

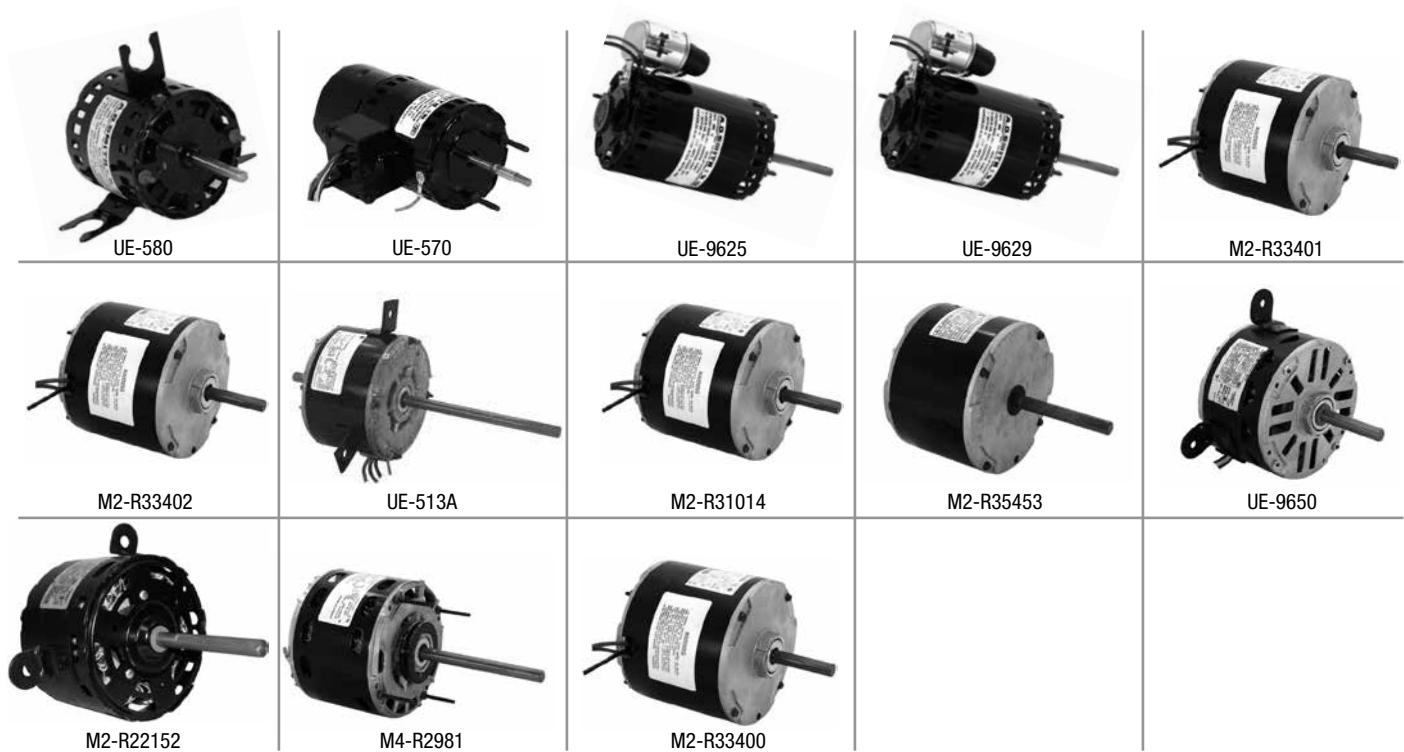
OEM Replacement Motors



Bohn (cont. from previous page)

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
R3-R130	1/45	230	0.80	SP	1/1550	CW	2.70"	3.3"	Sleeve	-	1.5" × 5/16"	79106, 79108, 79113, 5001M
R3-R358	1/20	115	2.00	SP	1/1550	CCW	3.25"	3.3"	Sleeve	-	2.8" × 5/16"	5001L, 8S, 4L
R3-R359	1/20	208/240	1.00	SP	1/1550	CCW	3.35"	3.3"	Sleeve	-	3.2" × 5/16"	5008T, 5034M
R3-R313	1/15	120	2.20	SP	1/1550	CCW	3.60"	3.3"	Ball	-	3.0" × 5/16"	5034LS, 5008SS, U-572
R3-R314	1/15	208/230	1.30	SP	1/1550	CCW	3.60"	3.3"	Sleeve	-	3.0" × 5/16"	5044MS, 5008TS, U-573
US-R90572	1/15	115	1.80	SP	1/1550	CCW	3.00"	3.3"	Sleeve	-	3.03"×5/16"	5KSM59JSK143S, 5KSM59JS5036S, 5034LS, 5008SS
US-R90721	1/12	115/208/230	1.1/1.6	PSC	1/1550	Rev	3.59"	3.3"	Ball	4/370	3.15"×5/16"	25308601, 25309101, 2531194, 2531195
M5-S1502	1/3	200/230/460	3.2/1.6	PSC	1/1075	Rev	7.30"	5.5"	Ball	5/440	3.5" × 1/2"	5015H
M5-S1504	1/2	200/230/460	4.00	PSC	1/1075	Rev	12.2"	5.5"	Ball	7.5/440	3.5" × 1/2"	5002P, 5003P
M5-T1532	1/2	200/230/460	1.50	3 Ph	1/1140	Rev	9.2"	5.5"	Ball	-	3.5" × 1/2"	5006T
M5-T2537	1	208/230/460	4.40	3 Ph	1/850	Rev	9.36"	6.5"	Ball	-	4.88" × 5/8"	E5028
M5-T2539	1	575	1.60	3 Ph	1/850	Rev	10.25"	6.5"	Ball	-	3.31" × 5/8"	E5027

OEM Replacement Motors



Carrier (cont. next page...)

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
UE-580	1/20	115	1.8	SP	1/3300	CCW	3.75"	3.3"	Sleeve	-	2.12" x 5/16"	JA1P053
UE-570	1/20	115/230	1.8/.92	SP	1/3000	CCW	6"	3.3"	Ball	-	2.5" x 1/4"	HC24AU600, HC24AU701
UE-9625	1/16	460	0.25	PSC	1/3450	CW	4.87"	3.3"	Ball	4/370	3.25" x 5/16"	HC30GB460, HC30GB462 JF1H101, JF1H091, D1184
UE-9626	1/16	208/230	0.48	PSC	1/3450	CW	4.87"	3.3"	Ball	4/370	3.25" x 5/16"	HC30GB230, HC30GB232 JF1H012, JF1H092, D1182
M2-R33401	1/12	208/230	0.53	PSC	1/1100	CW	3.62"	5.5"	Sleeve	5/370	2.18" x 1/2"	3401, HE39GE232
M2-R33402	1/10	208/230	0.7	PSC	1/1100	CW	3.5"	5.5"	Sleeve	5/370	2.18" x 1/2"	3402, HC39GE233
UE-513A	1/6, 1/8, 1/10	208/230	1.3	PSC	3/1040	CW	3.8"	5.5"	Sleeve	3/370	7" x 1/2" x 2.18"	124279, 128560
M2-R31014	1/6	208/230	0.9	PSC	1/1500	CCW	3.62"	5.5"	Sleeve	5/370	2.18" x 1/2"	OCA1014
M2-R35453	1/6	208/230	.80/.95	PSC	1/1075	CCW	3.62"	5.5"	Sleeve	3/370	3.62" x 1/2"	5453, K55JGH-2667
UE-9650	1/6	208/230	1.2	PSC	2/1075	CCW	3.62"	5.5"	Sleeve	4/370	3.18" x 1/2"	9650
M2-R22152	1/5-1/6	208/230	1.30	PSC	2/1050	Rev	3.40"	5.5"	Sleeve	5/440	4.0" x 1/2"	HC37VE230, 600
M4-R2981	1/5	115	9.8	SP	4/1050	CCW	4.0"	5.0"	Sleeve	-	4" x 1/2"	2981
M2-R33400	1/5	208/230	1, 1.1	PSC	1/825	CW	4.25"	5.5"	Sleeve	7.5/370	2.12" x 1/2"	3400, HC37GE208

OEM Replacement Motors



Carrier (cont. from previous page)

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
M2-R22844	1/4	230	1.4	PSC	1/1625	CCW	3.87"	5.5"	Sleeve	4/370	4" x 1/2"	D844, 3064, 5KCP39BG7524S 5KCP39BGK007T
M2-R22000	1/4	230	2.1	PSC	1/1075	CCW	3.75"	5.5"	Sleeve	5/370	3.25" x 1/2"	F48SF6MA5, F48SJ6M5, 3158 F48SG6MA10
M2-R42440	1/4	208/230	2.2	PSC	2/1075	Rev	3.75"	5.5"	Sleeve	5/370	4.31" x 1/2"	F48SJ6MA, D843, 3303 F48SG6MA16
R6-R42540	1/4	208/230	2.1	PSC	1/1075	CCW	4.12"	5.5"	Sleeve	5/370	3.25" x 1/2"	OCT1026S
R6-R42526	1/4	230	1.6	PSC	2/1075	Rev	4.37"	5.5"	Sleeve	5/370	5.5" x 1/2"	K8009
R6-R43404	1/4	208/230	1.3,1.5	PSC	1/1100	CW	4.12"	5.5"	Sleeve	5/370	2.12" x 1/2"	3404
M2-R22012	1/3-1/4	208/230	2.50	PSC	2/1075	Rev	4.00"	5.5"	Sleeve	5/370	4.0" x 1/2"	HC41VE700, 701
M2-R22011	1/3	208/230	2.5	PSC	2/1075	Rev	4.62"	5.5"	Ball	5/370	4.24" x 1/2"	OCA1036
M2-R32036	1/3	208/230	2.5	PSC	2/1075	CCW	4.25"	5.5"	Sleeve	5/370	3.5" x 1/2"	OCF1036
M2-R22036	1/3	208/230	2.9	PSC	1/1075	CCW	4.25"	5.5"	Sleeve	5/370	3.5" x 1/2"	OCE1036
R6-R48008	1/3	230	1.8	PSC	2/1075	Rev	4.37"	5.5"	Sleeve	5/370	5.5" x 1/2"	K8008
R6-R42415	1/3	115	5.7	PSC	4/1050	CCW	5.37"	5.5"	Sleeve	Internal	4.62" x 1/2"	OCB4036SP
M2-R35301	1/3	208/230	2.8	PSC	2/1075	CW	4.0"	5.5"	Sleeve	5/370	3.37" x 1/2"	3123, D845, 5KCP39HGA206T, 5KCP39HG7611S, P251- 5301, PS2126-2
M1-R63116	1/2	115	7.5	PSC	4/1075	CCW	5.12"	5.5"	Sleeve	7.5/370	7.75" x 1/2" x 4.36"	HC43SZ116
M2-R22017	1/2	208/230	4.0	PSC	1/1075	CCW	7.37"	5.5"	Ball	7.5/370	4.37" x 1/2"	F48J6A1, F48J6A2, F48J6A5 P107, 3132, 5KCP37PG361S

OEM Replacement Motors



Carrier (cont. from previous page)

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
M5-S1507A	1/2	208/230 460	4.6/2.3	PSC	1/1075	Rev	6.37"	5.5"	Ball	7.5/440	1.56" × 1/2"	OCA1056
M5-S1506A	1/2	575	1.8	PSC	1/1075	CCW	5.62"	5.5"	Ball	7.5/440	1.56" × 1/2"	50CA1056
M1-R52294	1/2	208/230	3.0	PSC	3/1075	CCW	5.0"	5.5"	Sleeve	7.5/370	2.75"×1/2"×7.5"	OCB1056
R6-R42652	3/4	208/230 460	2.5/ 1.25	3 PH	1/1725	Rev	10.0"	5.5"	Ball	-	1.93" × 5/8"	HD54KF652, HD46GA800
R6-R46230	3/4	208/230	3.8	3 PH	1/1140	Rev	8.75"	5.5"	Ball	-	3.0" × 1/2"	HD46GL230
R6-R46460	3/4	460	1.9	3 PH	1/1140	Rev	8.75"	5.5"	Ball	-	3.0" × 1/2"	HD46GK460
M2-R32050	3/4	575	1.65	PSC	3/1025	Rev	6.50"	5.5"	Ball	15/370	4.0" × 1/2"	Rooftop Evap. Motor
M2-R32051	3/4	460	2.15	PSC	3/1075	Rev	6.63"	5.5"	Ball	15/370	4.0" × 1/2"	ThermoPlus HC45AL460
R6-R46651	SPL	208/230 460	3.6/1.8	3 PH	1/1725	Rev	9.87"	6.5"	Ball	-	2.0" × 1/2"	HD56FK651, P56A01A02
UE-H978	SPL	208/230 460/575	5.5/2.8 3.4	3 PH	1/1140	Rev	11.37"	6.5"	Ball	-	3.6" × 5/8"	HD52AK652, MAG. 176055
M5-S1453	1	200/230 460	6.5	PSC	1/1075	CCW	10.20"	6.5"	Ball	30/370	3.6"×5/8"	HC5ITE200/230/430
M5-S1455	1	575	2.10	PSC	1/1075	CCW	10.20"	6.5"	Ball	30/370	3.6"×5/8"	HC5ITE575
UE-H980	3	208/230 460	10.6/ 4.8	3 Ph	1/1725	Rev	14.94"	6.5"	Ball	-	7/8" × 2 5/16"	HD60FK651, MAG. 176500
UE-H979	5	208/230 460	15/7.4	3 Ph	1/1725	Rev	15.93"	6.5"	Ball	-	7/8" × 2 5/16"	HD60FK652, MAG. 182779

OEM Replacement Motors



Chromalox

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
M1-R52170	1/4	208/230	2.1	SP	1/1725	Rev	7.0"	5.5"	Sleeve	-	5.5"×1/2"×5.5"	07589, GE 7J399GX, Marathon 48S17D1240

Climate Master

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
M5-T2541	1	575	1.70	3 Ph	1/1140	CW	8.22"	6.5"	Ball	-	5.0"×5/8"	GE 5J999GBX, Marathon 56T105308

Coldstream

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
R1-R128	1/135	115	0.35	SP	1/1550	CW	2.09"	3.3"	Sleeve	-	0.6" Hubless	2868-505-023, 2868-505-072
06-R230	1/70	115	0.64	SP	1/2800	CCW	2.30"	3.3"	Sleeve	-	1.3" × 1/4"	2862-405-003, 2862-405-010
R1-R122	1/60	230	0.35	SP	1/1550	CW	2.50"	3.3"	Sleeve	-	0.6" Hubless	SM122
R1-R137	1/60	115	0.59	SP	1/1550	CW	2.20"	3.3"	Sleeve	-	0.6" Hubless	76051

OEM Replacement Motors



Comfort Air

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
M2-R32050	3/4	575	1.65	PSC	3/1025	Rev	6.50"	5.5"	Ball	15/370	4.0" × 1/2"	Commercial Rooftop
M2-R32051	3/4	460	2.15	PSC	3/1075	Rev	6.65"	5.5"	Ball	15/370	4.0" × 1/2"	43G52

Copeland (cont. next page)

Product ID	Watts	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
04-R5911	5	115	0.35	SP	1/1550	CW	2.58"	3.5"	Unit	-	Threaded	COPELAND 050-0010-00,0178-00 050-0246-01,HILL PP7577
04-R5311	6	120	0.36	SP	1/1550	CW	2.8"	3.5"	Unit	-	Threaded	GE5311
04-R5421	9	208/230	0.29	SP	1/1550	CW	2.8"	3.5"	Unit	-	Threaded	GE5421
04-R5411	9	120	0.58	SP	1/1550	CW	2.8"	3.5"	Unit	-	Threaded	GE5411
04-R3531	35	115	1.40	SP	1/1500	CW	3.6"	3.8"	Unit	-	Hubless	050-0367-03, 050-0367-06, 050-0367-10
04-R3512	35	208/230	0.70	SP	1/1550	CW	3.5"	3.8"	Unit	-	Threaded	050-0227-02
04-R3511	35	120	1.40	SP	1/1550	CW	3.5"	3.8"	Unit	-	Threaded	050-0227-01
04-R5011	50	115	1.70	SP	1/1500	CW	4.5"	3.8"	Unit	-	1.5"×3/8"	050-0011-01, 0017-02, 050-0237-01
04-R5012	50	208/230	0.85	SP	1/1550	CW	4.5"	3.8"	Unit	-	1.5"×3/8"	050-0017-01
04-R5022	50	208/230	0.85	SP	1/1550	CCW	4.5"	3.8"	Unit	-	1.5"×3/8"	050-0011-00
04-R5031	50	115	1.70	SP	1/1500	CW	4.5"	3.8"	Unit	-	Hubless	050-03440-01
04-R5032	50	208/230	0.85	SP	1/1500	CW	4.5"	3.8"	Unit	-	Hubless	050-03440-00, 050-03440-10
04-R5460	50	460	0.44	SP	1/1500	CW	4.5"	3.8"	Unit	-	Hubless	050-03440-03

OEM Replacement Motors



UE-174A



R4-R6128



R4-R3047



R4-R6129



R4-R3124



M5-S1502



M5-T1536



O4-R6247



T1-R621

Copeland(cont. from previous page)

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
UE-174A	1/6	208/230	1.0	PSC	1/1625	Rev	4.0"	5.5"	Sleeve	5/370	2.5" x 1/2"	S3051
R4-R6128	1/6	230	1.5	PSC	1/1625	CW	3.87"	5.0"	Sleeve	5/370	2.5" x 1/2"	322P913, 050-0251-00, 128
R4-R3047	1/4	208/230	1.5	PSC	1/1625	CW	4.56"	5.5"	Sleeve	5/370	3.0" x 1/2"	3047, D783, K6124, 5KCP39GGD320T, 5KCP39GG3537S
R4-R6129	1/4	230	1.5	PSC	1/1625	CW	3.87"	5.0"	Sleeve	5/370	2.5" x 1/2"	322P914, 050-0250-00, 6129
R4-R3124	1/3	208/230	2.6	PSC	1/1625	CW	5.75"	5.5"	Ball	4/370	2.25" x 1/2"	5KCP39KGB906AT, 5KCP39KGB906AS, 5KCP32KG259S, 050-0108-00, 050-0018-00, K55ECE2645, K55HXJNJ-2976, K55HXSZJ-8106, 3124, 6127, 5KCP32KG175S
M5-S1502	1/3	200/230/460	3.2/1.6	PSC	1/1075	Rev	7.3"	5.5"	Ball	5/440	3.5" x 1/2"	050-0015-00, 0105-00
M5-T1536	3/4	575	1.50	3 Ph.	1/1140	Rev	11.0"	5.5"	Ball	-	4.0" x 5/8"	050-0169-00, 01, 0236-00

Cornelius / QBD

Product ID	HP/W	Volts	Amps	Type	RPM	Rot.	Stack	Frame	Bearing	Cap	Shaft	Comments
O4-R6247	5W	115	0.35	SP	1/1550	CW	2.58"	3.5"	Unit	-	Threaded	R CORNELIUS
T1-R621	1/187	115	0.40	SP	1/3000	CW	0.55"	5.5"	Sleeve	-	1.29" x 0.1811"	QBD 47-0410-001, -022, -015, IN DC5 & DC7

OEM Replacement Motors



Dundas Greenhouse

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
R7-RB141	1/30	115	1.1	SP	1/2860	CCW	5.5"	3.3"	Sleeve	-	-	Dundas Foundry Cooler Blower Fan D500, UE9492

Dunham Bush

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
R1-R124	1/20	120	1.60	SP	1/1550	CCW	2.7"	3.3"	Ball	-	0.90" Hubless	350044, 46, MM2847
R1-R125	1/20	230	0.75	SP	1/1550	CCW	2.7"	3.3"	Ball	-	0.90" Hubless	350043, 45, MM2848
M5-S1510	3/4	200/230/460	2.30	PSC	1/1075	Rev	12.2"	5.5"	Ball	20/370	3.6" x 1/2"	371027
M5-T2158	2	208/230/460	7.00	3 Ph	1/1725	Rev	11.5"	6.5"	Ball	-	2.3" x 7/8"	390080
M5-T2166	2	208/230/460	8.40	3 Ph	1/1725	Rev	12.2"	6.5"	Ball	-	2.3" x 7/8"	390082, 87, 88

Emerson (Quiet Kool)

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
M4-R742	1/10	115	1.35	PSC	3/1080	CCW	3.37"	5.0"	Sleeve	4/370	3.5" x 1/2" x 4"	OEK6511
M4-R743	1/5	208/230	1.60	PSC	3/1400	CCW	3.8"	5.0"	Sleeve	5/370	3.5" x 1/2" x 4"	OEK4510

OEM Replacement Motors



Fedders

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
M4-R2580	1/6	115	2.0	PSC	3/1625	CCW	3.62"	5.0"	Sleeve	10/370	3.6"×1/2"×6.8"	M15580-3
M4-R740	1/6	230	2.2	SP	2/1050	CCW	3.12"	5.0"	Sleeve	-	2.8"×1/2"×4"	S196-00161-003, S196-00161-016
M2-R22180	1/5	230	1.3	PSC	1/1080	CCW	3.87"	5.5"	Sleeve	7.5/370	4.25" × 1/2"	S196-179-1, S196-HP127-1, S196-KP127-1, S196-66-1, D882, 7126-0320
M4-R2339	1/5	208/230	1.5	PSC	2/1350	CCW	3.37"	5.0"	Sleeve	4/370	3.6"×1/2"×2.7"	S202-00028-00, 11-33-90000-003, F42B11A23,
M1-R52289	1/3	208/230	2.2	PSC	3/1400	CCW	4.87"	5.5"	Sleeve	7.5/370	3.2"×1/2"×6.5"	S202-00034-002 F48F32A23 11-28-90000-004

Foster

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
R1-R127	1/75	120	0.75	SP	1/1550	CCW	1.94"	3.3"	Sleeve	-	1.0" Hubless	2868-505-063
R1-R122	1/60	230	0.35	SP	1/1550	CW	2.19"	3.3"	Sleeve	-	0.6" Hubless	SM122
R1-R101	1/45	120	0.90	SP	1/1550	CW	2.19"	3.3"	Sleeve	-	0.7" Hubless	76101, SS101, D437, SM101
R1-R103	1/45	120	0.90	SP	1/1550	CCW	2.19"	3.3"	Sleeve	-	0.7" Hubless	76103, SS103, D436, SM103, SM104

OEM Replacement Motors



Friedrich

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
M1-R52639	1/6	230	0.8	PSC	5/1075	CCW	4.0"	5.5"	Sleeve	4/370	2.5"×1/2"×3.3"	D867, 323P225
M1-R62350	1/3	230	1.8	PSC	5/1075	CCW	4.87"	5.5"	Sleeve	5/370	2.5"×1/2"×2.6"	5KCP39MG9579S, 5KCP39MG71455, 5KCP39LGG7205, K4340, D868

GE 11 Frame Replacements

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
US-R90671	1/15	115/208/230	2.1/1.1	SP	1/1550	CW	5.00	11	Ball	-	2.24"×5/16"	671, 81671
US-R90672	1/15	115/208/230	2.1/1.1	SP	1/1550	CCW	5.00	11	Ball	-	2.24"×5/16"	672, 81672

Goodman/Janitrol

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
M2-R32251	1/6	208/230	1.0	PSC	1/1075	CCW	3.87"	5.5"	Sleeve	5/370	3.75"×1/2"	B13400-251, 4M287, F48F96A76, F48A90A76, 3216
M2-R22247	1/4	208/230	1.5	PSC	1/1075	CCW	4.25"	5.5"	Sleeve	5/370	3.25"×1/2"	B13400-247, F48A91A76, 3218, F48F97A76

Habco

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Stack	Dia	Bearing	Cap	Shaft	Comments
T1-R606	1/134	115	0.50	SP	1/3000	CCW	0.65"	Skel	Sleeve	-	1.10"×7/32"	H.A. Brown C021795
T1-R607	1/49	115	1.3	SP	1/2300	CCW	1.16"	Skel	Sleeve	-	1.75"×7/32"	H.A. Brown C021617, Bomax 301-6966

OEM Replacement Motors



Heatcraft

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
US-R90574	1/20	115	1.90	SP	1/1550	CW	2.75"	3.3"	Sleeve	-	2.48"×5/16"	7136-2113, 253-1194
US-R90575	1/20	230	0.89	SP	1/1550	CW	2.75"	3.3"	Sleeve	-	2.48"×5/16"	7136-3371, 253-1195
US-R90572	1/15	115	1.80	SP	1/1550	CCW	3.00"	3.3"	Sleeve	-	3.03"×5/16"	5KSM59JSK143S, 5KSM59JS5036S, 5034LS, 5008SS
M4-R2155	1/15,1/20,1/25	120	1.20	ECM	1/1625	CCW	2.85	5.0"	Ball	-	3.0"×5/16"	22617801, 22618001, 25307801, 25308001
M4-R2156	1/15,1/20,1/25	120	1.20	ECM	1/1625	CW	2.85	5.0"	Ball	-	3.0"×5/16"	2531194
M4-R2157	1/15,1/20,1/25	230	0.70	ECM	1/1625	CCW	2.85	5.0"	Ball	-	3.0"×5/16"	22617701, 22617901, 25307701, 25307901
M4-R2158	1/15,1/20,1/25	230	0.70	ECM	1/1625	CW	2.85	5.0"	Ball	-	3.0"×5/16"	2531195
US-R90721	1/12	115/ 208/230	1.1/6	PSC	1/1550	REV	3.59"	3.3"	Ball	4/370	3.15"×5/16"	25308601, 25309101, 2531194, 2531195

Hill

Product ID	HP/W	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
R4-R3001	1/3	208/230	1.80	PSC	1/1625	CW	4.50"	5.5"	Sleeve	-	3.5" × 1/2"	GE3001, PP3955B
R4-R3067	1	208/230	7.10	PSC	1/1075	Rev	9.20"	5.5"	Ball	15/370	3.8" × 1/2"	GE3067, PP19162G
O4-R5911	6 W	115	0.40	SP	1/1550	CW	3.40"	3.5"	Unit	-	Hubless	PP7577M
O4-R5411	9 W	115	0.58	SP	1/1550	CW	2.80"	3.5"	Unit	-	Hubless	GE5411
EC-HE-0182	10W	115	0.19	ECM	1/1550	CW	3.61"	-	Ball	-	Hubless	P079441C, P066237A
EC-HE-0176	15W	115	0.22	ECM	1/1600	CW	4.00"	-	Ball	-	Hubless	P078449H
O4-R5711	15 W	115	0.37	PSC	1/1550	CW	3.50"	3.87"	Unit	-	Hubless	P41661

OEM Replacement Motors



Hill

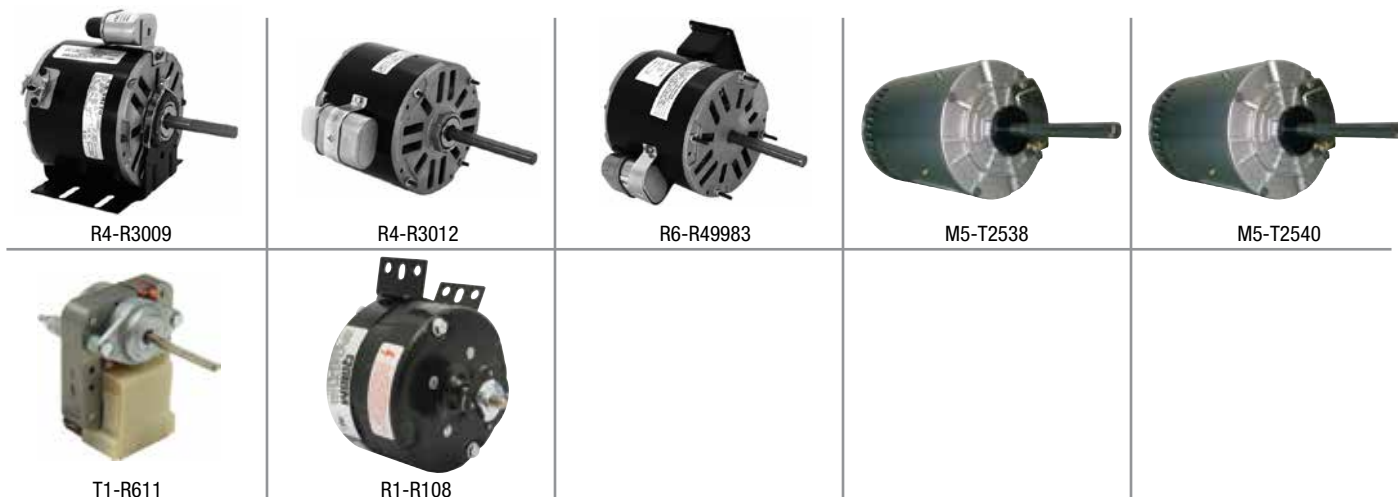
Product ID	HP/W	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
04-R2011		115	0.80	SP	1/1550	CW	3.75"	3.5"	Unit	-	Threaded	PP20934F

Hussmann

Product ID	Watts	Volts	CFM	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
03-RF2466	14	115VAC	105	-	3000	-	-	Axial	Ball	-	-	392466 PS2CDB51-125012012 Conair 039865

Product ID	HP/W	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
EE-5610	6 W	115	0.40	SP	1/1550	CW	3.30"	3.87"	Unit	-	Hubless	38360
04-R6711	6,9,12 W	115	0.2-0.3	ECM	1/1550	CCW	2.53"	3.87"	Unit	-	Hubless	SVC #110.441.0546
R1-R101	9 W	115	0.90	SP	1/1550	CW	2.36"	3.3"	Sleeve	-	Hubless	Evap. Motor
R1-R101L	9 W	115	0.90	SP	1/1550	CW	2.36"	3.3"	Sleeve	-	Hubless	Evap. Motor w/ leg mount
R1-R103	9 W	115	0.90	SP	1/1550	CCW	2.36"	3.3"	Sleeve	-	Hubless	Evap. Motor
R1-R103L	9 W	115	0.90	SP	1/1550	CCW	2.36"	3.3"	Sleeve	-	Hubless	Evap. Motor w/ leg mount
EE-5611	9 W	115	0.52	SP	1/1550	CW	3.30"	3.87"	Unit	-	Hubless	47000, 58698
04-R5611	9 W	115	0.60	SP	1/1550	CW	3.07"	3.87"	Unit	-	Hubless	7000, 58698
04-R5612	9 W	115	0.60	SP	1/1550	CCW	3.07"	3.87"	Unit	-	Hubless	38360
04-R9211	13 W	115	0.47	ECM	1/1725	CW	2.53"	3.87"	Unit	-	Hubless	4410547, 441-547
04-R5711	15 W	115	0.37	PSC	1/1550	CW	3.50"	3.87"	Unit	-	Hubless	301263, 301264, 329646, 400603
04-R3511	35 W	115	1.40	SP	1/1500	CW	3.50"	3.87"	Unit	-	Hubless	TFM351, HUSSMANN 328346, COPELAND 050-0227-01
R4-R3011	1/8	230	1.00	PSC	1/1550	CW	3.75"	5.5"	Sleeve	5/370	2.0" x 1/2"	3011, 5KSP39DG2221S 5KSP39DG4220AS

OEM Replacement Motors



Hussmann

Product ID	HP/W	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
R4-R3009	1/5	230	1.60	PSC	1/1075	CW	4.25"	5.5"	Sleeve	5/370	3.0" x 1/2"	3009, D805 5KCP39GG3611AS
R4-R3012	1/5	208/230	1.40	PSC	1/1075	CW	4.18"	5.5"	Ball	5/370	3.0" x 1/2"	1648, K55CLN1782, K55HXKWA8573, 3008, 3012, 5KCP39GG5606S, 5KCP39GG765S, 5KCP39GGC052T, 5KCP39GN765, 5KSP39GGA967T, P011-96203
R6-R49983	1/2	208/230	2.70	PSC	1/1725	CW	5.18"	5.5"	Ball	5/370	3.5" x 1/2"	0644, 644, K644, K055SME164467, K55HXCTP9963, K55HXSME-1644, D890, 259983
M5-T2538	1	208/230/460	5.30	3 Ph	1/1140	Rev	10.81"	6.5"	Ball	-	6.0" x 5/8"	170518, 502595
M5-T2540	1	575	2.00	3 Ph	1/1140	Rev	10.81"	6.5"	Ball	-	6.0" x 5/8"	170517, KPN502597

Ideal Evaporator Motor

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Comments
T1-R611	1/300	115	0.54	SP	1/1550	CW	0.50"	Skel	Sleeve	-	2.2" x 0.1811"	SM601, 23303, 3008001
R1-R108	1/100	115	0.55	SP	1/1550	CCW	1.94"	3.3"	Sleeve	-	0.70" Hubless	124574, 76108, SM108

OEM Replacement Motors



Intercity

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
M3-R2609	1/30	115	1.21	SP	1/1550	CW	3.0"	4.1"	Sleeve	-	2.4"×1/2"	Intercity, UE 009
M3-R2612	1/30	115	1.21	SP	1/1550	CCW	3.0"	4.1"	Sleeve	-	2.4"×1/2"	Intercity, UE 010

Keeprite (cont. next page)

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
R3-R360	1/35	115	1.0	SP	1/1550	CW	2.60"	3.3"	Sleeve	-	1.6"×1/4"	Keeprite 504249
R3-R370	1/20	115	0.75	Inc.	1/1550	CW	3.98"	3.3"	Ball	Inc.	2.7"×5/16"	Keeprite 505124, Fasco 7190-2366
R3-R371	1/20	208/230	0.38	Inc.	1/1550	CW	3.98"	3.3"	Ball	Inc.	2.7"×5/16"	Keeprite 505125, Fasco 7190-2367, A.O. Smith JE2G052
R3-R1052	1/20	115	2.0	SP	1/1550	CCW	3.10"	3.3"	Ball	-	3.20"×5/16"	Keeprite 1043336, Fasco 7163-8722N, A.O. Smith JA2Y016-M, Rotom R358
R3-R1053	1/20	230	1.0	SP	1/1550	CCW	3.10"	3.3"	Ball	-	3.20"×5/16"	Keeprite 1043766, Fasco 7163-8861M, A.O. Smith JA2Y017-N
M4-R2269	1/15	115	2.40	SP	1/1050	CCW	3.00"	5.0"	Sleeve	-	3.0"×1/2"	160269
M3-R2657	1/15	230	1.20	SP	1/1550	CW	3.40"	4.3"	Sleeve	-	1.8"×3/8"	Keeprite 81335 Fasco 7108-2230C

OEM Replacement Motors



M3-R2658



M2-R30409



M2-R31065



M2-R30900



M5-T2538



M5-T2540



R6-R42464



M5-S1454

Keeprite (cont. from previous)

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
M3-R2658	1/15	115	2.30	SP	1/1550	CW	3.40"	4.3"	Sleeve	-	1.8"×3/8"	Keeprite 81356 Fasco 7108-2206C
M2-R30409	1/5	208/230	1.80	PSC	1/1550	CCW	4.60"	5.5"	Sleeve	4/370	3.0"×1/2"	Keeprite 120409, 1041300, A.O. Smith HF2J040-N, Fasco 7124-0021
M2-R31065	1/4	575	0.50	3 Ph	1/1140	Rev	6.30"	5.5"	Ball	-	2.9"×5/8"	171065, HM3G004
M2-R30900	1/2	208/230	2.3	PSC	1/1075	CW	5.25"	5.5"	Ball	7.5/370	4.0"×5/8"	510900
M5-T2538	1	208/230 460	5.30	3 Ph	1/1140	Rev	10.81"	6.5"	Ball	-	6.0"×5/8"	170518
M5-T2540	1	575	2.0	3 Ph	1/1140	Rev	10.81"	6.5"	Ball	-	6"×5/8"	170517
R6-R42464	1	208/230	5.4	PSC	3/1075	Rev	6.5"	5.5"	Ball	12.5/370	3.5"×5/8"	504464
M5-S1454	1	208/230 460	4.80	PSC	1/1075	Rev	10.70"	6.5"	Ball	25/370	6"×5/8"	170619

OEM Replacement Motors



Krack

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
US-R91189	1/20	115/208/230	1.6/0.8	SP	1/1550	CCW	3.15"	3.3"	Sleeve	-	1.65"×5/16"	11528, 11529, JB2P046N, JA2P216N, JA2P217N, JB2P047N, 8354110940, 8254111030
R3-R313	1/15	120	2.2	SP	1/1550	CCW	3.60"	3.3"	Ball	-	3" × 5/16"	5034LS, 5008SS, U-572
R3-R314	1/15	208/230	1.3	SP	1/1550	CCW	3.50"	3.3"	Sleeve	-	3" × 5/16"	5044MS, 5008TS, U-573
UE-9634	1/15	208/230	0.30	PSC	1/1550	CCW	3.62"	3.3"	Sleeve	4/370	1.5"×5/16"	JE2F030, E206448
M5-T3572	1/2	208/230/460	2.0	3 Ph	1/1140	Rev	9.25"	6.5"	Ball	-	2.0"×5/8"	150372, 11096
M5-T3537	1	208/230/460	4.4	3 Ph	1/850	Rev	10.25"	6.5"	Ball	-	3.25"×5/8"	151437, 11503

Kysor

Product ID	Watts	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
04-R5711	15	115	0.37	PSC	1/1550	CW	3.50"	3.87"	Unit	-	Hubless	09A10-054, 09A10-055
04-R5715	15	115	0.37	PSC	1/1550	CW	3.50"	3.87"	Unit	-	Hubless	73049

Larkin

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
US-R90574	1/20	115	1.90	SP	1/1550	CW	2.75"	3.3"	Sleeve	-	2.48"×5/16"	7136-2113, 253-1194
US-R90575	1/20	230	0.89	SP	1/1550	CW	2.75"	3.3"	Sleeve	-	2.48"×5/16"	7136-3371, 253-1195
US-R90721	1/12	115/208/230	1.1/06	PSC	1/1550	Rev	3.59"	3.3"	Ball	4/370	3.15"×5/16"	25308601, 25309101, 2531194, 2531195

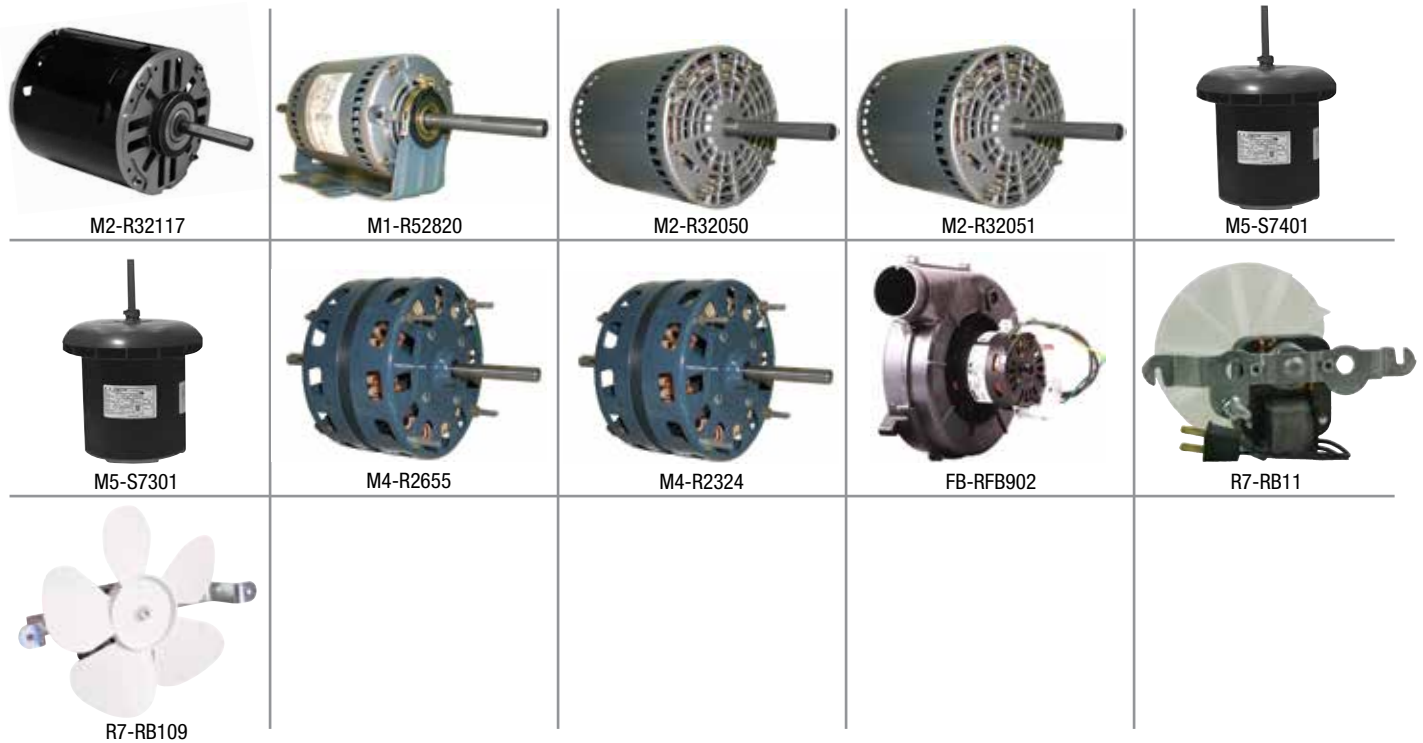
OEM Replacement Motors



Lennox (cont. next page)

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
UE-9484	1/15	208/230	0.60	PSC	1/1050	CW	3.75"	4 5/16"	Sleeve	4/370	2.5"×3/8"×1.3"	P-8-9584
UE-9485	1/12	208/230	0.80	PSC	2/1050	CCW	3.75"	4 5/16"	Sleeve	4/370	2.5"×3/8"	P-8-9485
UE-9403	1/8, 1/6, 1/5	115	6.40	SP	3/1075	CCW	4.0"	5.0"	Sleeve	-	3.0"×1/2"	GE5KSP29KK1542S, FASCO D1030, P-8-3789, P-8-3790, P-8-3529, P-8-3527, P-8-9662
UE-442C	1/6	208/230	0.95	PSC	1/1075	Rev	3.74"	5.5"	Sleeve	5/370	5.5"×1/2"	P-8-3132, K55HXB MJ1121, 8053
R6-R42702	1/4	230	2.1	PSC	1/1075	CCW	4.0"	5.5"	Sleeve	4/370	3.5"×1/2"	P-8-3132, K55HXB MJ1121, 8053
DD-035	1/3	115	5.0	PSC	4/1075	Rev	4.30"	5.5"	Sleeve	10/370	6"×1/2"	P-8-7505
M2-R32217	1/3	230	2.1	PSC	1/825	CCW	5.75"	5.5"	Ball	4/370	3.5"×1/2"	5KCP39NGC119S, KCP39NGL5715, 3501, 3591
R6-R42310	1/3	115	6.0	PSC	4/1075	CCW	4.18"	5.5"	Sleeve	5/370	5.18"×1/2"	P-8-7505, P-8-9450, 41A4201, 3082, F48SJ6MA21, F48SL6M7, 5KCP39HG9174AS, 321P267 K55HXENB-2994
M2-R38041	1/3	208/230	2.0	PSC	1/1075	CCW	4.37"	5.5"	Sleeve	5/370	3.5"×1/2"	3044, 5KCP39HGD766T, 5KCP39HD9530S, K7994, 3592, K55FCM3264, P-8-8041
R6-R48609	1/3	208/230	2.6	PSC	4/1075	CCW	4.67"	5.5"	Sleeve	7.5/370	3.0"×1/2"	5KCP39HG9546S, 5KCP39HGK020T, 3087, P-8-8609
UE-9405	3/4	115	9.7	PSC	5/1075	CCW	5.37"	5.5"	Ball	40/370	3.18"×1/2"	28F0101, 58H2201, EMK55HXWNZ7057
UE-9406A	3/4	208/230	6.6	PSC	3/1075	CCW	6.25"	5.5"	Ball	10/370	6.5"×5/8"×5.2"	31C8201 EM K55HXYT-8180

OEM Replacement Motors



Lennox (cont. from previous)

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
M2-R32117	1/3	208/230	2.00	PSC	1/1075	Rev	6.00"	5.5"	Ball	10/370	6.0"×1/2"	S3050, P-8-9662
M1-R52820	3/4	208/230	4.20	PSC	3/1075	CW	7.80"	5.5"	Ball	10/370	5.3"×5/8"×4.8"	31C8102 - Includes Base
M2-R32050	3/4	575	1.65	PSC	3/1025	Rev	6.50"	5.5"	Ball	15/370	4.0" × 1/2"	Rooftop Direct Drive Motor
M2-R32051	3/4	460	2.15	PSC	3/1075	Rev	6.63"	5.5"	Ball	15/370	4.0" × 1/2"	43G52
M5-S7401	1	230	5.0	PSC	1/1075	CCW	5.87"	5.5"	Ball	20/370	4.0" × 5/8"	88C7401
M5-S7301	1	460	2.9	PSC	1/1075	CCW	6.5"	5.5"	Ball	15/370	4.0" × 5/8"	88C7301

Nutech

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
M4-R2655	1/12	115	2.3	PSC	1/1550	CCW	3.0"	5.0"	Sleeve	5/370	2.5"×3/8"×2.4"	A0812B2355
M4-R2324	1/12	115	1.1	PSC	1/1550	CCW	3.0"	5.0"	Ball	Inc	2.5"×3/8"×2.4"	Nubreath 23-204, GE5KCP298G8560BS

Nutone / Broan

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Comments
R7-RB11	1/130	115	0.65	SP	1/3000	CW	0.60"	Skel	Sleeve	-	1.7"×7/32"	BF3C-MBB, 118445, 208370856, 67PCF
R7-RB109	1/60	115	1.00	SP	1/2400	CW	0.90"	Skel	Sleeve	-	1.2"×7/32"	10941067, Broan "BP" Series, Nutone "RL" Series

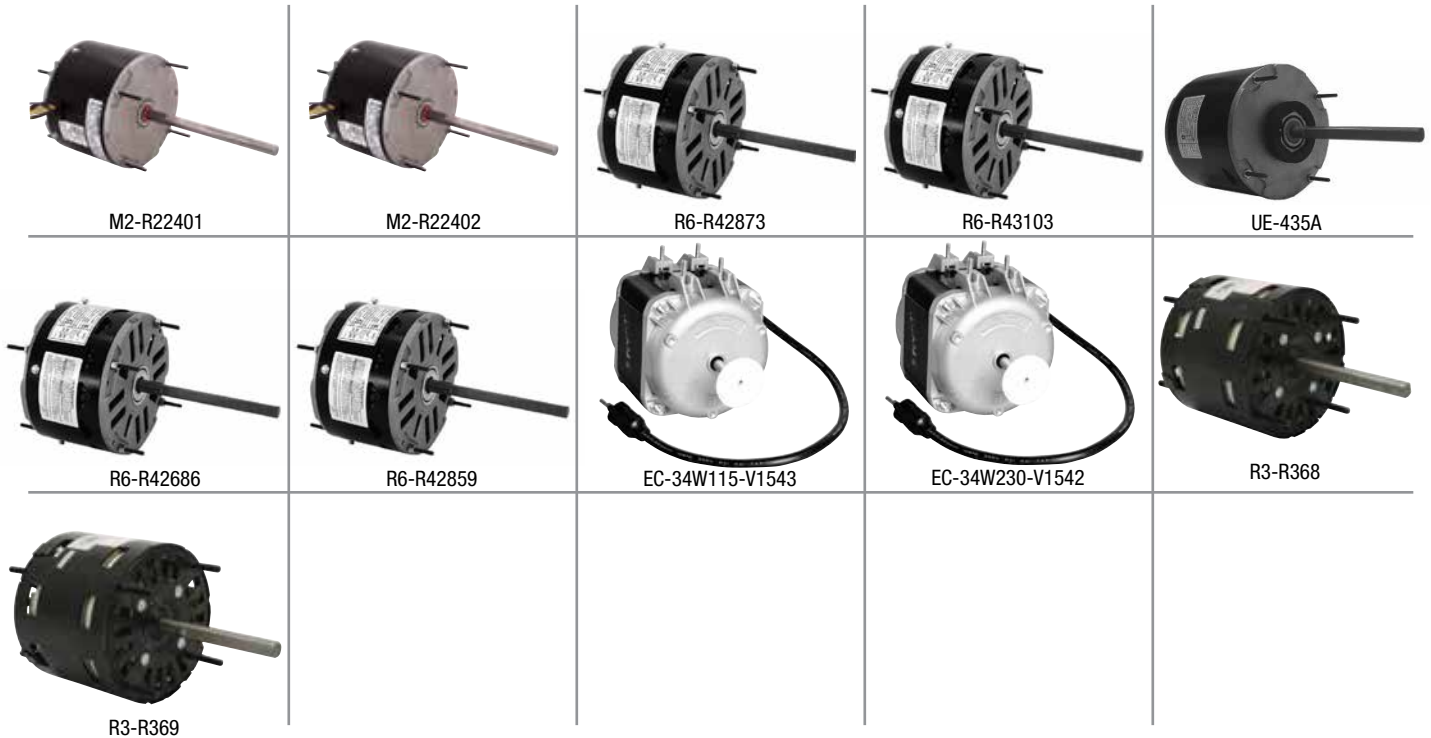
OEM Replacement Motors



Rheem-Ruud

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
M2-R21853	1/6	208/230	0.90	PSC	1/1075	CCW	3.67"	5.5"	Sleeve	3/370	3.75" x 1/2"	3222, 5KCP39BGN253S 5KCP39BGP085S, 51-21853-01
UE-795A	1/5	208/230	1.60	PSC	1/825	Rev	4.25"	5.5"	Sleeve	5/370@230 7.5/370@208	3.6" x 1/2"	51-23055-12, 3153
M2-R22170	1/5	208/230	1.40	PSC	1/1075	Rev	3.87"	5.5"	Sleeve	3/370	4.25" x 1/2"	5484, KA55HXMPT-6557, 51-20672-01, 51-20673-01 51-20674-01, 51-20675-01 51-20679-01, 51-20680-01 51-20681-01, 51-20682-01 51-21826-01, 51-21827-01 51-21828-01, 51-21829-01 51-21830-01, 51-21831-01
M2-R22437	1/4	208/230	1.60	PSC	1/1075	Rev	4.0"	5.5"	Sleeve	5/370	5.5" x 1/2"	51-21185-01, 51-20761-01 5KCP39FGD117BS 5KCP39GGE879AS, 437
M2-R23103	1/4	208/230	2.00	PSC	2/825	Rev	4.37"	5.5"	Sleeve	7.5/370	3.37" x 1/2"	51-23103-06, 51-21543-01
M2-R22444	1/3	208/230	2.20	PSC	1/1075	Rev	4.37"	5.5"	Sleeve	7.5/370	5.5" x 1/2"	51-20688-01, 87360, 60130
M2-R21189	1/3	208/230	1.80	PSC	1/1075	Rev	4.37"	5.5"	Sleeve	5/370	3.25" x 1/2"	51-21189-01, KA55HZRGR-7898
M2-R22307	1/3	208/230	2.80	PSC	2/825	CCW	4.67"	5.5"	Sleeve	10/370	2.18" x 1/2"	51-23103-07

OEM Replacement Motors



Rheem-Ruud

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
M2-R22401	1/3	208/230	2.00	PSC	1/1075	Rev	4.12"	5.5"	Sleeve	7.5/370	6.7"×1/2"	K55HXTDD-8385, 5458 51-20668-11, 51-23055-11 51-20354-11, 51-23053-11
M2-R22402	1/3	208/230	2.00	PSC	1/1075	Rev	4.12"	5.5"	Ball	7.5/370	6.7"×1/2"	K55HXTDD-8385, 5458 51-20668-11, 51-23055-11 51-20354-11, 51-23053-11
R6-R42873	1/2	115	5.70	PSC	4/1050	CCW	4.67"	5.5"	Sleeve	7.5/370	3.5" × 1/2"	F48C45A94, 51-22873-01
R6-R43103	1/2	208/230	3.40	PSC	1/825	CCW	4.87"	5.5"	Sleeve	15/370	3.25"×1/2"	51-23103-08, 51-23101-08
UE-435A	1/2	460	1.70	PSC	1/1075	Rev	5.12"	5.5"	Ball	7.5/370	6.0"×1/2"	51-20470-01
R6-R42686	1/2	115	5.90	PSC	3/1075	CCW	4.50"	5.5"	Sleeve	7.5/370	3.75"×1/2"	51-22686-01
R6-R42859	3/4	115	10.5	PSC	4/1075	Rev	5.65"	5.5"	Ball	15/370	5.0"×1/2"	F48C47A94, 51-22859-01

Ref Plus

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
EC-34W115-V1543	34W	115	1.60	SP	1/1550	CW	3.55"	-	Sleeve	-	Hubless	RMT0004
EC-34W230-V1542	34W	230	0.80	SP	1/1550	CW	3.55"	-	Sleeve	-	Hubless	RMT0005
R3-R368	1/20	115	1.7	SP	1/1550	CW	2.7"	3.3"	Sleeve	-	2.7" × 5/16"	RMT0011, JA2N267N, 7173-1539
R3-R369	1/20	208/230	0.9	SP	1/1550	CW	2.7"	3.3"	Sleeve	-	2.7" × 5/16"	RMT0012, JA2N268N, 7173-1538

OEM Replacement Motors



Tecumseh

Product ID	Watts	Volts	Amps	Type	RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Comments
04-R5211	4	120	0.29	SP	1/1550	CW	4.50"	3.8"	Unit	-	Hubless	TFM41
04-R5311	6	120	0.36	SP	1/1550	CW	2.80"	3.5"	Unit	-	Hubless	TFM61
04-R5421	9	208/230	0.29	SP	1/1550	CW	2.80"	3.5"	Unit	-	Hubless	TFM91
04-R5411	9	120	0.58	SP	1/1550	CW	2.80"	3.5"	Unit	-	Hubless	TFM62, 92
04-R3512	35	208/230	0.70	SP	1/1550	CW	3.50"	3.8"	Unit	-	Hubless	TFM352
04-R3511	35	120	1.40	SP	1/1550	CW	3.50"	3.8"	Unit	-	Hubless	TFM351
04-R3612	35	230	0.70	SP	1/1550	CW	3.50"	3.8"	Unit	-	1.4"×5/16"	TFM262, TFM362
04-R5022	50	230	0.85	SP	1/1500	CCW	4.50"	3.8"	Unit	-	1.5"×3/8"	810A31B, 810G037A20
04-R5112	50	230	0.85	SP	1/1500	CW	4.50"	3.8"	Unit	-	1.4"×5/16"	810M50A62
04-R5122	50	230	0.85	SP	1/1550	CCW	4.00"	3.8"	Unit	-	2.0"×5/16"	TFM502

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
UE-9488	1/20	115	1.70	SP	1/1500	CW	4.875"	3.3"	Sleeve	-	2 1/8"×5/16"	TMF191, TFM265, 810E019A080, EM F33HXGFG-2876
M4-R2372	1/20	230	1.10	SP	1/1550	CW	3.0"	5.0"	Sleeve	-	2.8"×3/8"	Tecumseh TFM372, 8105037B01, 326P137, Copeland
M4-R2601	1/15	230	1.30	SP	1/1500	CW	3.0"	5.0"	Sleeve	-	2.75"×5/16"	810S050A99, 326P136
UE-981	1/15	460	0.60	SP	1/1550	CW	4.25"	3.3"	Sleeve	-	2.5"×5/16"	810G037A47, Fasco D475 GE 5KSP11FG1197CS
UE-9487	1/12	230	1.30	sp	1/1500	cw	4.875"	3.3"	Sleeve	-	2 1/8"×5/16"	TFM262, 810E026A81, EM F33HXDJ-3668

OEM Replacement Motors



Tecumseh

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
M2-R31862	1/4	230	1.90	PSC	1/1625	CW	4.375"	5.5"	Ball	4/370	2.5"×1/2"	TFM1862, 8330, KA55HXKGD8330
M2-R31864	1/4	460	0.80	PSC	1/1625	CW	4.375"	5.5"	Ball	4/370	2.5"×1/2"	TFM1864, 8331 KA55HGE8331

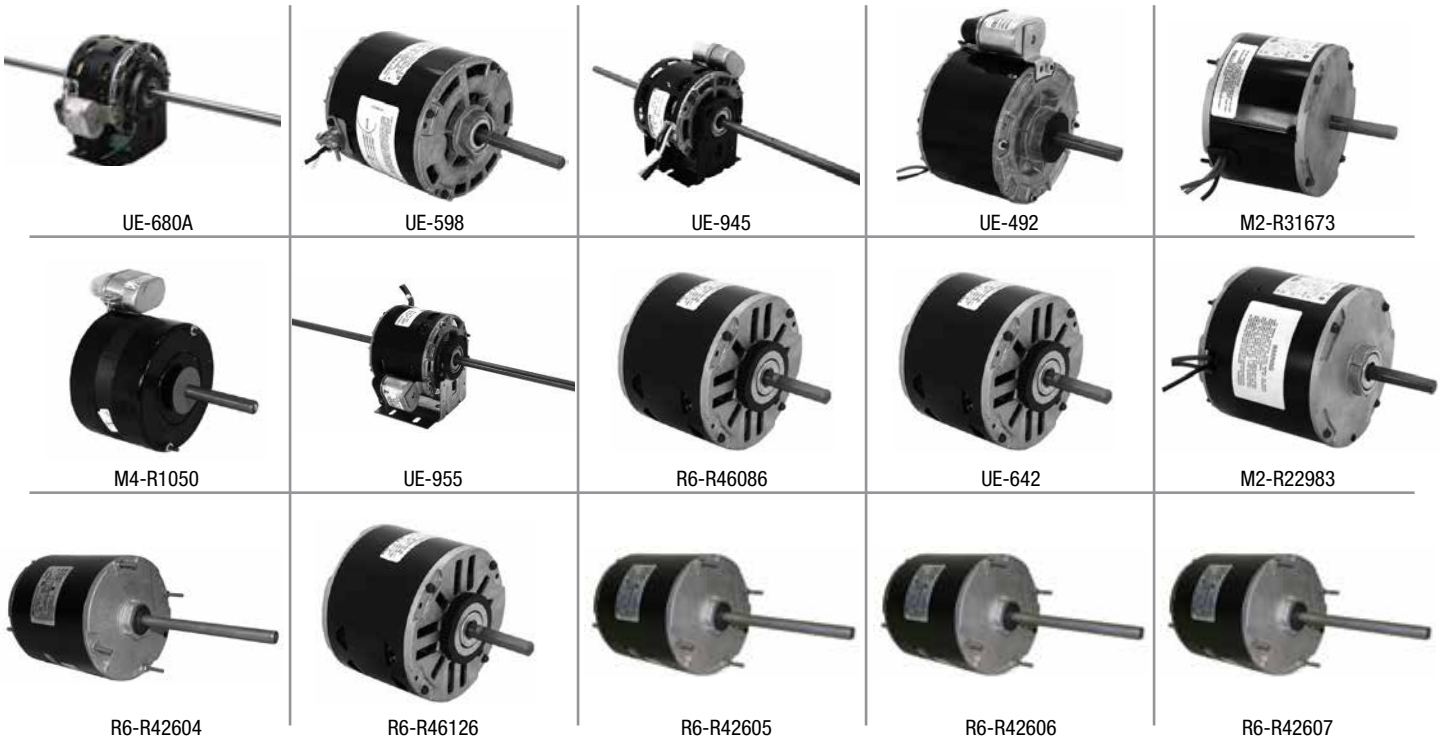
Tempspec

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Frame	Bearing	Cap	Shaft	Comments
M4-R799	1/8	115	3.00	PSC	5/1075	CCW	3.87"	5.0"	Ball	5/370	5.0"×1/2"	L350,L450,L600, UE DA3E200, DA3F100, DA3G142

Trane (cont. next page)

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
UE-641	1/30	115	0.5	PSC	3/1075	CW	3.5"	5.0"	Sleeve	Inc.	8.5"×1/2"×9"	MOT 1876, CX70500133-01, UE DE3E152
UE-954	1/30	115	0.6	PSC	3/1100	CW	4.0"	5.0"	Sleeve	Inc.	8.5"×1/2"	MOT 1878, MOT 1875, X70500149-01-7, EM K48HXBYP-954
UE-952	1/30	115	0.74	PSC	3/1100	CW	3.75"	5.0"	Sleeve	Inc.	8.5"×1/2"×9"	EM K48XBJP-969, X70500149-03-7, MOT-1876
UE-373	1/30	115	0.64	PSC	2/1100	CW	4.25"	5.0"	Sleeve	Inc.	10.5"×1/2"×10.5	Fan Coil
UE-372	1/25	115	0.64	PSC	2/1060	CW	3.5"	5.0"	Sleeve	Inc.	11"×1/2"×11"	Fan Coil
UE-9608	1/20	115	0.6	PSC	3/1100	Rev	3.25"	5.0"	Sleeve	Inc.	9.5"×1/2"	MOT 1875, X70500149-02, EM K48HXBH2955

OEM Replacement Motors



Trane (cont. from previous page)

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
UE-953	1/15	115	0.8	PSC	3/1100	CW	3.25"	5.0"	Sleeve	Inc.	10.5"×1/2"×10.5"	MOT 1877, X70 500149-04-7, EM K48HXBJA-956
UE-680A	1/8	115	1.50	PSC	3/775	CCW	5.0"	5.5"	Sleeve	Inc.	11.5"×1/2"×11.5"	MOT-711
UE-598	1/8	230	1.90	SP	1/1550	CCW	4.25"	5.0"	Sleeve	-	3.0"×1/2"	5KSP29DK1728S
UE-945	1/8	115	1.2	PSC	3/1500	CW	4.0"	5.0"	Sleeve	Inc.	9"×1/2"×7.5"	MOT 1978, MOT 481, X70 500149-11-7, EM K48HXCKT-1419
UE-492	1/8	230	1.10	PSC	1/1550	CCW	3.5"	5.0"	Sleeve	Inc.	3.0"×1/2"	5KSP29DK1728S
M2-R31673	1/8	200/230	0.90	PSC	1/1650	CCW	3.62"	5.5"	Sleeve	4/370	1.5"×1/2"	3D149098P01, 1673 K55DJK-6905
M4-R1050	1/4	208/240	0.90	PSC	1/1550	CCW	3.37"	5.0"	Sleeve	Inc.	3.18"×1/2"	D1050, 3438, 5KSP29DK1728S, 322P815
UE-955	1/6	115	2.00	PSC	3/1500	CW	4.0"	5.0"	Sleeve	Inc.	10.5"×1/2"×10.5"	X70 500149-12-7, MOT-1979, MOT-482, EM, K48HXCKS-1418
R6-R46086	1/5	115	2.30	PSC	4/1075	CCW	4.18"	5.5"	Sleeve	10/370	3.5"×1/2"	D340086P02
UE-642	1/4	277	1.10	PSC	3/1475	CW	4.0"	5.0"	Sleeve	Inc.	8"×1/2"×8"	MOT 689, X70500354, UE DE2G101
M2-R22983	1/4	200/230	1.50	PSC	1/825	CCW	4.62"	5.5"	Ball	12.5/370	2.5"×1/2"	3D146983P01, 1674, K55DJK-6906
R6-R42604	1/3	575	0.80	PSC	1/1100	Rev	5.80"	5.5"	Ball	7.5/440	6" × 1/2"	MOT2604, 25G20
R6-R46126	1/3	115	6.80	PSC	4/1075	CCW	4.87"	5.5"	Sleeve	10/370	3.0"×1/2"	D340126P02
R6-R42605	1/2	575	1.00	PSC	1/1625	Rev	5.60"	5.5"	Ball	7.5/440	6" × 1/2"	M02605, 173329, HF2J043
R6-R42606	1/2	575	1.10	PSC	1/1100	Rev	5.50"	5.5"	Ball	7.5/370	6" × 1/2"	TRANE, COMFORTAIRE
R6-R42607	3/4	575	1.60	PSC	1/1075	Rev	6.00"	5.5"	Ball	15/370	6" × 1/2"	HM3T071, MOT2607, 48A11T566

OEM Replacement Motors



Trane (cont. from previous page)

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
M5-S1454	1	208/230/460	4.8	PSC	1/1075	CW	10.75"	5.5"	Ball	25/370	6.0"×5/8"	MOT2461
M5-T2538	1	208/230/460	5.30	3 Ph	1/1140	Rev	10.81"	6.5"	Ball	-	6.0"×5/8"	MOT2463
M5-T2540	1	575	2.0	3 Ph	1/1140	Rev	10.81"	6.5"	Ball	-	6.0"×5/8"	MOT2914
M5-S1456	1½	208/230/460	3.3/6.6	PSC	1/1075	Rev	12.06	5.5"	Sleeve	25/370	6.0"×5/8"	MOT2462
M5-T2542	1½	208/230/460	5.80	3 Ph	1/1140	Rev	10.81"	6.5"	Ball	-	6.0"×5/8"	MOT2464
M5-T2543	1½	575	2.30	3 Ph	1/1140	Rev	10.81"	6.5"	Ball	-	6.0"×5/8"	MOT1590

True

Product ID	Watts	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
04-R5411	9	115	0.58	SP	1/1550	CW	2.80"	3.5"	Unit	-	Threaded	936833, 800402
04-R5730	9	115	0.26	PSC	1/1600	Rev	3.13"	3.5"	Unit	-	Threaded	Reversible PSC condenser fan motor c/w wiring harness for Pepsi
04-R5811	16	115	1.00	SP	1/1550	CW	3.03"	3.5"	Unit	-	Threaded	800469

Tyler

Product ID	HP/ W	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
04-R5715	15 W	115	0.37	PSC	1/1550	CW	3.50"	3.87"	Unit	-	Threaded	5215879, 5237801
04-R5720	15 W	115	0.37	PSC	1/1550	Rev	3.50"	3.87"	Unit	-	Threaded	5212930
T1-R605	1/55	115	1.00	SP	1/2800	CW	0.90"	Skel	Sleeve	-	1.7" × 0.1811"	SM605, 79103, 79104, E310131, P211116966A
R4-R3042	1/4	230	1.90	PSC	1/1625	CCW	4.61"	5.5"	Sleeve	Inc.	2.5" × 1/2"	S3042, FASCO D870

OEM Replacement Motors



Vanee

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
R3-R348	1/15	110/115	1.12	PSC	1550	CW	4.0"	3.3"	Sleeve	4/370	3.25 x 5/16	HRV - M1703, 71900369

Venmar

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
R2-R462	1/8	115	0.90	PSC	3/1660	CW	4.13"	3.3"	Sleeve	7.5/370	3.5" x 3/8" x 3.5"	02101, Fasco 7190-2271, Kit 12027, 12029, 12109
R2-R422	1/3	115	2.89	PSC	3/1690	CW	4.93"	3.3"	Sleeve	7.5/370	3/8" x 2.06"	02209, Fasco 7190-1522
R3-R366	1/4	115	1.68	PSC	3/1630	CW	4.78"	3.3"	Sleeve	7.5/370	2.97" x 3/8" x 3.00"	02100, Fasco 7190-1523, Kit 1206, 12151

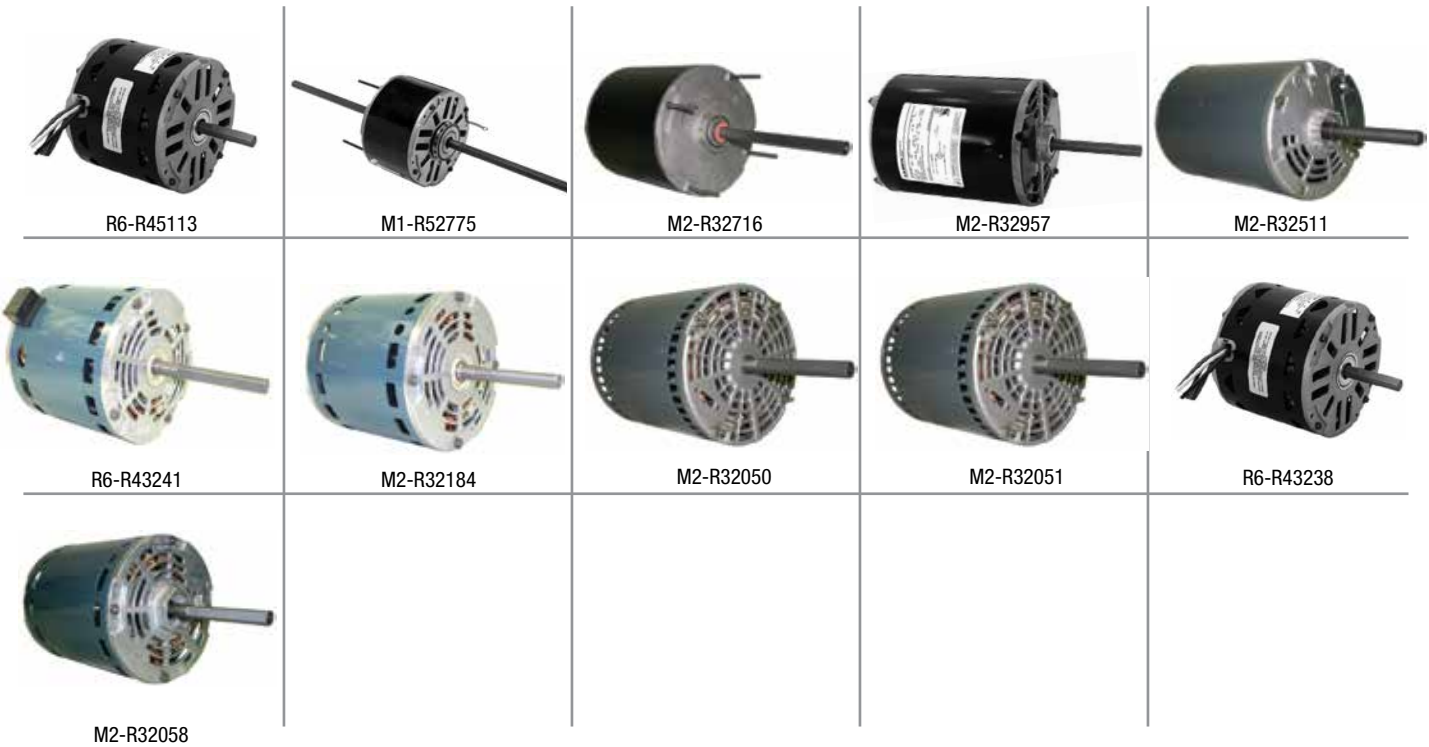
W.W. Grainger - Dayton

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
R3-R373	1/15	115	0.90	PSC	1/1400	CCW	4.50"	3.3"	Sleeve	4/250	3.0" x 3/8"	Dayton Greenhouse Fan Motor, Fasco 7190-1004

York

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
M2-R25100	1/8	208/230	0.80	PSC	1/1075	CW	3.75"	5.5"	Sleeve	4/370	1.8" x 1/2"	F48A85A50, 3217, 024-25100-000, 024-2500-700
M4-R741	1/5	208/230	1.40	PSC	1/1075	CW	3.87"	5.0"	Sleeve	5/370	6.3" x 1/2" x 6.3"	024-17774, 2091, 024-20795-700
M2-R23294	1/4	208/230	1.30	PSC	1/1075	CW	4.0"	5.5"	Sleeve	5/370	3.0" x 1/2"	F48A45A50, 3223, 024-23294-000
M2-R25119	1/4	208/230	1.40	PSC	1/850	CW	4.43"	5.5"	Sleeve	5/370	3.18" x 1/2"	F48B46A50, 024-25119-000
M2-R23238	1/2	208/230	2.50	PSC	1/1090	CW	4.87"	5.5"	Sleeve	7.5/370	4.0" x 1/2"	5KCP39LGN418S, 024-24110-001, W48A11T388

OEM Replacement Motors



York

Product ID	HP	Volts	Amps	Type	RPM	Rot.	Body	Dia	Bearing	Cap	Shaft	Comments
R6-R45113	1/2	115	9.80	PSC	3/1110	CCW	5.37"	5.5"	Sleeve	10/370	4.5"×1/2"	5KCP39NGP941S, 024-25113-001
M1-R52775	1/2	230	4.30	PSC	1/1050	CW	5.25"	5.5"	Sleeve	5/370	9.3"×1/2"×9.3"	024-17775, 024-20797-700
M2-R32716	1/2	460	2.00	PSC	2/1075	Rev	5.50"	5.5"	Ball	10/370	6.4"×1/2"	024-18412-006
M2-R32957	1/2	460	2.00	PSC	1/1075	CCW	7.50"	5.5"	Ball	5/370	4.25"×1/2"	024-183957-00
M2-R32511	1/2	208/230	3.50	PSC	1/1100	CCW	8.10"	5.5"	Ball	3/370	3.7" × 1/2"	Rooftop motor, 024-17420, 024-19511-000, YCFM12
R6-R43241	1/2	208/230	4.40	PSC	3/1000	CCW	5.125"	5.5"	Sleeve	7.5/370	4" × 1/2"	York 024-241106-000, A.O. Smith F48L49A50
M2-R32184	1/2	208/230	5.10	PSC	3/1075	CW	5.25"	5.5"	Sleeve	5/370	1/2" × 3"	York 024-18403-011, GE 5KCP39PGE610S
M2-R32050	3/4	575	1.65	PSC	3/1025	Rev.	6.50"	5.5"	Ball	15/370	4.0" × 1/2"	Direct Drive Evaporator Motors
M2-R32051	3/4	460	2.15	PSC	3/1075	Rev.	6.63"	5.5"	Ball	15/370	4.0" × 1/2"	Direct Drive Evaporator Motors
R6-R43238	1	115	12.9	PSC	3/1075	CCW	5.87"	5.5"	Ball	15/440	3.5"×1/2"	5KCP39PGN812S 024-23238-000, F48SU6V15
M2-R32058	1	208/230	7.00	PSC	3/1100	CCW	6.10"	5.5"	Ball	15/370	4.0" × 1/2"	024-21672C, 024-21673

980	27
981	26
984	24
985	22
990	27
991	26
992	25
995	23
10012	61
10020	61
10022	61
10036	61
10040	61
10042	61
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10113	63
10215	61
10218	63
10219	63
10312	61
10313	63
10999	61
15211	60
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