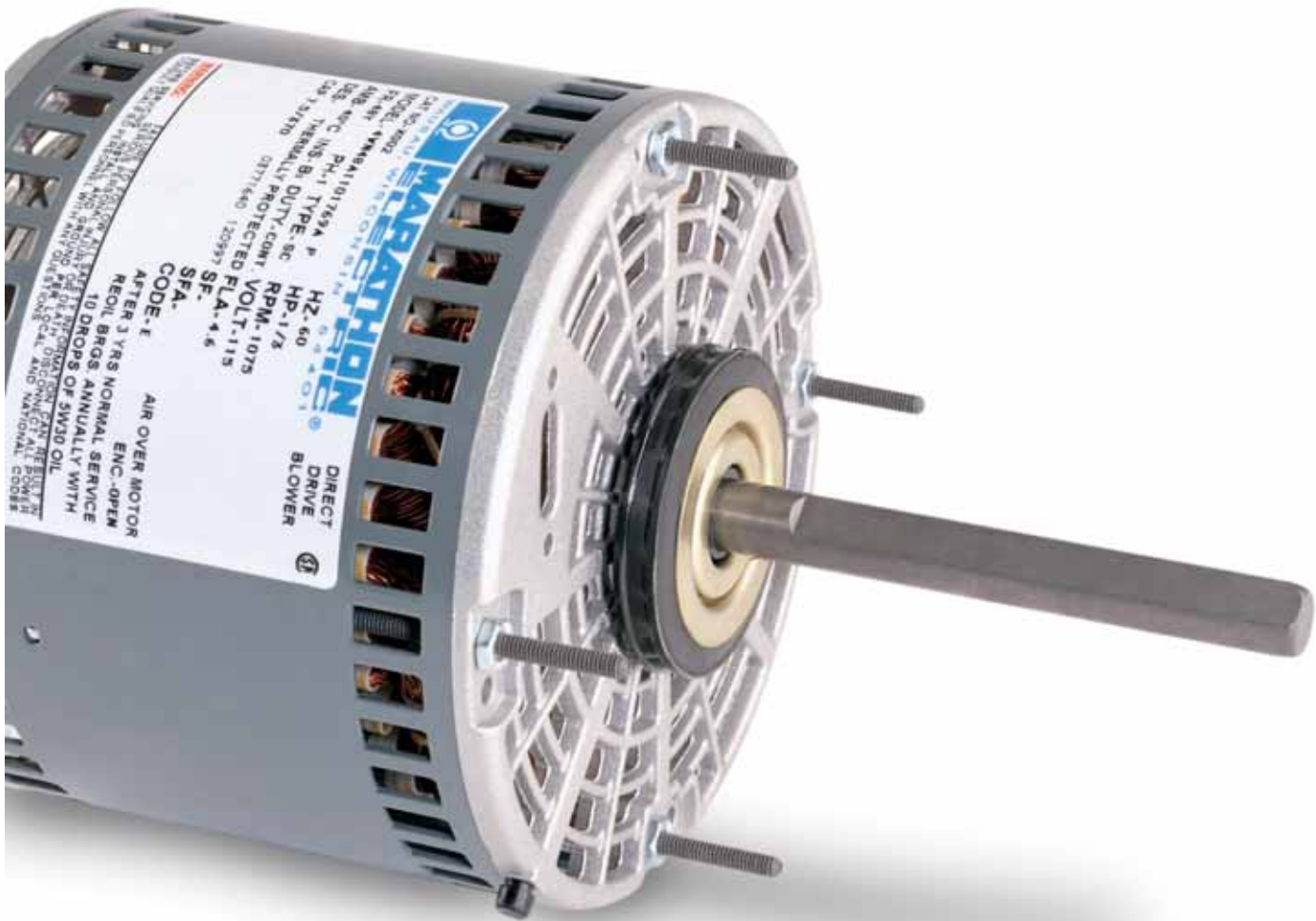


HVAC/R Motors



MARATHON[®]
ELECTRIC

Motors for the Long Run!

Quality Motors

that Keep the

48 Frame HVAC/R Motors...

Our heating, ventilating, air conditioning, and refrigeration (HVAC/R) motors are built for the OEM and the replacement market with designed-in features to help ease installation.

All of our 48 frame direct drive, fan and blower, and condenser fan permanent split capacitor (PSC) motors are furnished with a color-coded, molded, weather-resistant, reversing plug that ensures fast and easy reconnections. In installations where lighting is poor or the motor is hard to reach, the installer can quickly and accurately reverse the motor rotation by simply rotating and reconnecting the plug halves by 180°.

Marathon Electric's carton label features a photograph of the motor type for quick, easy identification. It also contains electrical/mechanical data and cross reference information for accurate replacement motor selection.

Extra large connection diagrams are provided on the motor to make connections easier for the installer, especially in poorly lit close quarters.

In addition to our standard product offering, Marathon manufactures many direct OEM replacement motors for companies including Admiral, Carrier, Chrysler-Airtemp, Fedders, Friedrich, Hill, Rheem, and York, to name a few. These replacement motors offer you the capability of replacing the original motor without extensive modification to a standard stock rating.

Marathon Electric motors are easier and more versatile to install with extended through-bolts on both ends of double shafted motors, extra long 30 inch leads and stud bolts that fit either a #8 or #10 hole size.

Marathon motors use standardized capacitors and shaft slingers for increased bearing protection and improved reliability.

Our condenser fan PSC motors incorporate a shaft slinger, 30 inch leads and a color-coded reversing plug which meets UL and CSA requirements. Sleeve bearing motors may be mounted for shaft-up or shaft-down applications. The horsepower range is from 1/4 through 1 1/2 horsepower with sleeve or ball bearings.

Our double shafted fan/blower PSC motors feature sleeve bearings for quiet operation, extended thru-bolts on both ends, and 30 inch leads. These motors range from 1/8 through 3/4 horsepower.

HVAC/R Mo



1

Carton Label - A photograph is featured for quick, easy identification. Extensive electrical / mechanical data is furnished.



3

Patented voltage change device (VCD) for instant voltage change, from high to low voltage or vice-versa. Available on many 56/140 frame motors.



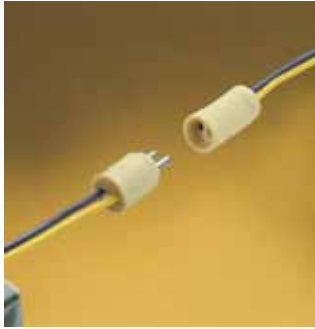
5

Extended thru-bolts on both ends of double shafted motors and steel bolts that fit either a #8 or #10 hole size.

Motor Features

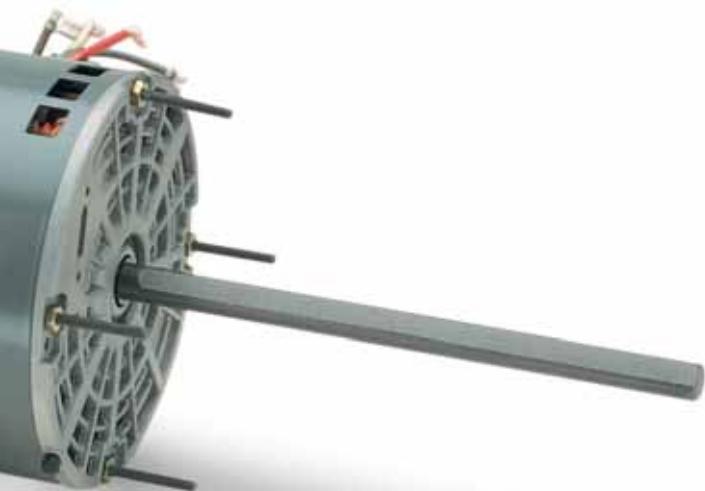
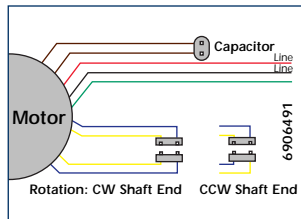
2

Reversing Plug - All 48 frame direct drive, fan and blower, and condenser fan PSC motors are furnished with a molded weather resistant reversing plug.



4

Extra-large connection diagrams are provided on the motor to make connections easier for installer, especially in poorly lit close quarters.



able shaft motors, extra long 30 inch leads, size hole.

We produce a full line of evaporative blower, condenser fan motors, oil burner motors, commercial and industrial fan exhaust ventilator motors. A number of our three phase motors use our patented voltage change device (VCD) which provides an instant voltage change by simply pulling a multi-conductor plug, rotating it 180°, and reinserting. Its that fast! No disconnection of power leads necessary! These motors feature enclosed brackets, a shaft slinger, and ball bearings.

Our 56/140 frame motor product is available in thousands of different configurations. Our unique Four-In-One design provides for interchangeability between C-Face, dripproof, and TEFC mounting in a single enclosure. This Four-In-One design is ideally suited for replacement of dripproof, TEFC, C-Face or standard horizontal motors. The single phase model of our Four-In-One motor incorporates our PowerSwitch for increased starting torque and faster switching at a consistent high speed. Applications include pumps, fans, and blowers.

General Purpose EPAct Motors...

Marathon's EPAct motors offer an optimum high efficiency design that delivers energy savings performance year after year. The energy efficient motors are available in open dripproof construction from 1/4 through 500 horsepower and in totally enclosed fan cooled enclosures from 1 through 450 horsepower. Marathon EPAct motors come in a variety of mounting configurations including rigid base, C-Face rigid, close coupled JM and JP, and D-flange rigid. These motors are ideally suited for commercial applications such as heating, ventilating, air conditioning, pumping and compressors.

The EPAct ODP motors incorporate a 1.15 service factor, class B insulation system, ball bearings, and cast iron frame 280T frame and above. These motors not only meet the Energy Policy Act (EPAct) 1997 efficiencies but the Canadian NRCan efficiencies and are UL recognized and CSA certified.

The EPAct TEFC motors combine a class F insulation system with a 1.15 service factor, ball bearings, and a rolled steel frame that offers superior performance.

Quality Motors for the HVAC/R Industry

48 Frame HVAC/R Motors...

- Direct OEM replacements for "drop in" installation
- Patented quick-change reversing plug on some models
- Economical permanent split capacitor designs (PSC)
- Include auto-reset protectors, where applicable
- Sleeve and ball bearings available
- Condenser fan motors, direct drive fan and blower motors, double shaft fan and blower motors, belted fan and blower motors, commercial and industrial fan and blower motors, oil burner motors, poultry barn motors, attic fan motors, unit heater motors, refrigeration motors



48 Frame with Reversing Plug

48 Frame Direct OEM Replacement Motors...

- Admiral-Emerson, Amana/Rheem/Luxaire, Carrier
- Chrysler-Airtemp, Cornelius, Evans/Armstrong/LSI/Home
- Fedders, Friedrich, Gaffers and Sattler, Greenheck Fan
- Gibson-Belding and Kelvinator, Hill Refrigeration, Huebsch Dryers
- Hussman Refrigeration, Liebert, Lennox Philco, Rheem/Ruud/Weather King
- Sears/Whirlpool, Singer, Taco
- Tyler, Warren
- Westinghouse, York

Additional direct OEM replacements available!



OEM Replacement for Gaffers & Sattler

56/140 Frame HVAC/R Motors...

- Split phase, permanent split capacitor, and capacitor start single phase designs available
- NEMA service factors
- Resilient base, rigid base, C-Face, and belly band mount
- Patented voltage change device (VCD) available on some models
- Permanently lubricated ball bearings
- Four-In-One designs can replace TEFC, ODP, C-Face, and rigid base
- PowerSwitch on single phase Four-In-One designs
- Single and three phase condenser fan motors, belted fan and blower motors, commercial and industrial fan and blower motors, evaporative blower motors, commercial and industrial oil burner motors, exhaust ventilator motors



56 Frame Condenser Fan

General Purpose EPAct Motors...

Dripproof:

- Rolled steel frame 143T-256T
- Cast iron frames 284T-449T
- Class B insulation
- NEMA Design B with 1.15 service factor
- UL recognized and CSA certified

Totally Enclosed Fan Cooled:

- Rolled steel or aluminum frame construction with die cast aluminum end shields
- Non-hygroscopic class F insulation
- NEMA Design B with 1.15 service factor
- UL recognized and CSA certified



General Purpose
Meets EPAct and Canadian NRCAN Efficiencies

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