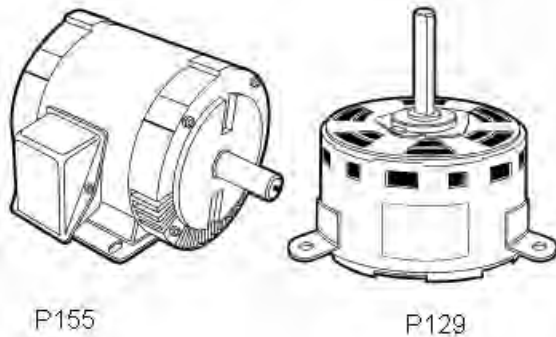
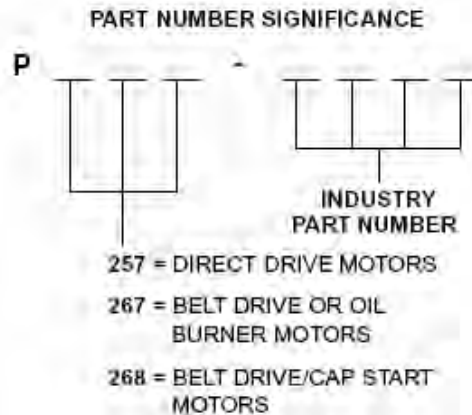


INFORMATION GUIDE



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MOTOR INFORMATION GUIDE

SHADED POLE MOTORS - SINGLE PHASE

For use in light-duty appliances because of low efficiency, power factor and starting torque. These motors are only suitable for direct-drive fan and blower applications.

PERMANENT-SPLIT CAPACITOR MOTORS -SINGLE PHASE

This type motor is similar to the shaded pole type but has higher efficiency and power factor. Starting torques are relatively low which limits application only for direct-drive fan and blower applications.

SPLIT-PHASE MOTORS -SINGLE PHASE

Split-Phase motors have moderate starting torque with low starting current. They are used where starting load is moderate and where there is frequent starting with relatively long running periods. Reversible.

CAPACITOR-START MOTORS - SINGLE PHASE

This type motor produces greater locked-rotor and accelerating torque per amp than the split phase type. With a higher starting torque than the split-phase type it can be used for driving compressors, pumps, air conditioning equipment and many other hard-to-start applications.

POLYPHASE-SQUIRREL CAGE INDUCTION MOTORS -THREE PHASE

Polyphase motors have a high starting torque combined with high efficiency and power factor which makes them suitable for use on larger compressors and commercial air conditioning units. Do not require capacitors or starting relays. Reversible.

DEFINITIONS FOR LISTING ON FOLLOWING MOTORS PAGES

H.P.: Horsepower - Power rating of the motor.

FLA: Full Load Amps - Amperage drawn by a motor when operating at rated load and voltage. NOTE: RCD* may use several motor suppliers for any given part number Therefore FLA listed represents maximum rating that could be encountered under a given part number.

ROTAT - Rotation - Motors rotate in either a clockwise (CW), counterclockwise (CCW), or reversible (REV) direction. Rotation listed is per NEMA, as viewed from end of motor opposite the shaft. In the case of double shaft motors, the rotation is viewed from the lead end of motor.

SF: Service Factor - A measure of the overload capacity designed into a motor. A 1.15 SF means the motor can deliver 15% more than a rated horsepower without injurious overheating. A 1.0 SF motor should not be overloaded beyond its rated horsepower.

BRGS: Bearings - May be either sleeve (SLV) or Ball Bearings (BALL) as indicated.

FRM: FRAME - An (R), (S) or (T) may appear in this column adjacent to the NEMA frame designation and is defined as follows:

(R) - Resilient mounting rings included

(S) - Motor is mounted on rigid base.

(T) - Motor is equipped with extended thru-bolts required for thru bolt mounting.

DIA: Diameter of motor in inches.

SHAFT LEN: First shaft length listed is at lead end of dual shaft motors.

NOTE: RCD may use several motor suppliers for any given part number. Therefore, shaft length(s) listed represent maximum length(s) available under a given part number.

MOTOR DIMENSIONS:

- A. Overall length of motor including shaft(s).
- B. Diameter of mounting bold circle on motors supplied with mounting ears.
- C. Shaft height - center of shaft to base on motors supplied with mounting base.
- D. Diameter of mounting hole on motors supplied with mounting lugs

* RCD is an abbreviation of the Replacement Components Division of Carrier Corporation