

1-800-GRAINGER (472-4643)

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## HeatMaster PSC High-Ambient Condenser Fan Motors

- No. of speeds: 1
- Frame: 48Y (5 5/8" body dia.)
- Enclosure: totally enclosed air-over
- Thermal protection: auto
- Service factor: 1.0
- Insulation: Class F
- Rheem mounting holes (screws included)
- Bearings: ball
- Max. ambient temp.: 70°C
- Duty: continuous

PSC motors are insulated and designed for trouble-free operation at full rated load at high temperature. Rotor cores have corrosion-resistant coating to ensure long motor life. Easy-to-remove drain plugs in each end shield and have 36" color-coded, high-temp. leads. For outdoor air conditioning and refrigeration condensing units and heat pumps.



| HP  | Nameplate RPM | Rotation | Voltage     | Full Load Amps | Body Dia. | Shaft Dia. | Shaft Length | Length Less Shaft | Mfr. Model | Item No. | Capacitor Req. |
|-----|---------------|----------|-------------|----------------|-----------|------------|--------------|-------------------|------------|----------|----------------|
| 1/8 | 825           | CW/CCW   | 208-230V AC | 1.00           | 5 1/2 in  | 1/2 in     | 6 1/2 in     | 5 1/2 in          | FE1008SF   | 4MB75    | 2MDV4          |
|     | 1,075         | CW/CCW   | 208-230V AC | 1.40           | 5 1/2 in  | 1/2 in     | 6 in         | 4 1/2 in          | FE1016SF   | 1UME7    | 2MDV4          |
| 1/8 | 825           | CW/CCW   | 208-230V AC | 1.10           | 5 1/2 in  | 1/2 in     | 6 1/2 in     | 5 in              | FE1018SF   | 1UME8    | 2MDV4          |
|     | 1,075         | CW/CCW   | 208-230V AC | 2.00           | 5 1/2 in  | 1/2 in     | 6 1/2 in     | 5 1/4 in          | FE1026SF   | 4MB59    | 2MDV4          |
| 1/4 | 1,075         | CW/CCW   | 460V AC     | 1.00           | 5 1/2 in  | 1/2 in     | 6 1/2 in     | 5 1/2 in          | FEH1026SF  | 4ME14    | 2MDV6          |
|     | 825           | CW/CCW   | 208-230V AC | 1.20           | 5 1/2 in  | 1/2 in     | 6 1/2 in     | 5 1/2 in          | FE1028SF   | 1UME9    | 2MDV4          |
| 1/4 | 1,075         | CW/CCW   | 208-230V AC | 2.8            | 5 1/2 in  | 1/2 in     | 6 1/2 in     | 5 3/4 in          | FE1036SF   | 4MB61    | 2MDV6          |
|     | 1,075         | CW/CCW   | 460V AC     | 1.30           | 5 1/2 in  | 1/2 in     | 6 1/2 in     | 6 1/2 in          | FEH1036SF  | 4ME16    | 2MDV6          |
| 1/4 | 825           | CW/CCW   | 208-230V AC | 2.1            | 5 1/2 in  | 1/2 in     | 6 1/2 in     | 6 in              | FE1038SF   | 4MB19    | 2MDV6          |
|     | 1,075         | CW/CCW   | 208-230V AC | 4.0            | 5 1/2 in  | 1/2 in     | 6 1/2 in     | 6 1/4 in          | FE1056SF   | 4MB63    | 2MDV7          |
| 1/2 | 1,075         | CW/CCW   | 460V AC     | 1.50           | 5 1/2 in  | 1/2 in     | 6 1/2 in     | 6 1/2 in          | FEH1056SF  | 1UMG2    | 2MDV7          |
|     | 825           | CW/CCW   | 208-230V AC | 2.5            | 5 1/2 in  | 1/2 in     | 6 1/2 in     | 6 1/2 in          | FE1058SF   | 1UMG1    | 2MDV7          |
| 3/4 | 1,075         | CW/CCW   | 208-230V AC | 5.1            | 5 1/2 in  | 1/2 in     | 6 1/2 in     | 6 1/2 in          | FE1076SF   | 4MB65    | 2MDV9          |
|     | 1,075         | CW/CCW   | 460V AC     | 2.2            | 5 1/2 in  | 1/2 in     | 6 1/2 in     | 7 in              | FEH1076SF  | 4ME18    | 2MDV7          |

## HeatMaster PSC Ultra Condenser Fan Motors

- No. of speeds: 1
- Frame: 48 (5 1/16" body dia.)
- Enclosure: totally enclosed air-over
- Thermal protection: auto
- Service factor: 1.0
- Insulation: Class F
- Rheem mounting holes (screws included)
- Bearings: ball
- Max. ambient temp.: 80°C
- Duty: continuous

Insulated PSC motors are designed for trouble-free operation and feature a double flat shaft. Also feature ultra-high temperature synthetic bearing grease in double-sealed ball bearings to help the bearings stand up to the most severe conditions. Rotor cores have corrosion-resistant coating to ensure long motor life. Include water-resistant reversing plug and 48" high-temp. leads. Speed Engineered® for speed control duty. For use with outdoor air conditioning and refrigeration condensing units and heat pumps.



| HP         | Nameplate RPM | Rotation | Voltage     | Full Load Amps | Body Dia. | Shaft Dia. | Shaft Length | Length Less Shaft | Mfr. Model | Item No. | Capacitor Req. |
|------------|---------------|----------|-------------|----------------|-----------|------------|--------------|-------------------|------------|----------|----------------|
| 1/4        | 1,075         | CW/CCW   | 208-230V AC | 1.90           | 5 1/2 in  | 1/2 in     | 6 1/2 in     | 5 1/4 in          | FE1026SU   | 32NA65   | 2MDV4          |
|            | 1,075         | CW/CCW   | 460V AC     | 0.90           | 5 1/2 in  | 1/2 in     | 6 1/2 in     | 5 1/2 in          | FEH1026SU  | 32NA69   | 2MDV6          |
|            | 825           | CW/CCW   | 208-230V AC | 1.20           | 5 1/2 in  | 1/2 in     | 6 1/2 in     | 5 1/2 in          | FE1028SU   | 32NA62   | 2MDV4          |
| 1/4        | 1,075         | CW/CCW   | 208-230V AC | 2.5            | 5 1/2 in  | 1/2 in     | 6 1/2 in     | 5 3/4 in          | FE1036SU   | 32NA66   | 2MDV6          |
|            | 1,075         | CW/CCW   | 460V AC     | 1.20           | 5 1/2 in  | 1/2 in     | 6 1/2 in     | 6 1/2 in          | FEH1036SU  | 32NA70   | 2MDV6          |
| 1/4 to 1/2 | 825           | CW/CCW   | 208-230V AC | 1.60           | 5 1/2 in  | 1/2 in     | 6 1/2 in     | 6 in              | FE1038SU   | 32NA63   | 2MDV6          |
|            | 1,075         | CW/CCW   | 208-230V AC | 1.80           | 5 1/2 in  | 1/2 in     | 6 1/2 in     | 5 3/4 in          | ORM5488BU  | 32NA72   | 2MDV6          |
| 1/2 to 3/4 | 1,075         | CW/CCW   | 208-230V AC | 1.90           | 5 1/2 in  | 1/2 in     | 6 1/2 in     | 5 in              | ORM5488BU  | 32NA73   | 2MDV6          |
|            | 1,075         | CW/CCW   | 208-230V AC | 3.8            | 5 1/2 in  | 1/2 in     | 6 1/2 in     | 6 1/4 in          | FE1056SU   | 32NA67   | 2MDV7          |
| 1/2        | 1,075         | CW/CCW   | 460V AC     | 1.50           | 5 1/2 in  | 1/2 in     | 6 1/2 in     | 6 1/2 in          | FEH1056SU  | 32NA71   | 2MDV7          |
|            | 1,075         | CW/CCW   | 208-230V AC | 5.1            | 5 1/2 in  | 1/2 in     | 6 1/2 in     | 6 1/2 in          | FE1076SU   | 32NA68   | 2MDV9          |

## PSC Stud- and Cradle-Mount Condenser Fan Motors

- No. of Speeds: 1
- NEMA frame: 56Y (6 1/2" body dia.), 48Y (5 5/8" body dia.)
- Rotation: CW/CCW
- Thermal protection: auto
- Service factor: 1.0
- Insulation: Class B
- Bearings: ball
- Shaft: 1/2" dia. have double flat; 5/8" dia. have flat and keyway

Multipurpose mounting in cradle, band, or by thru-bolt extensions. For 5-ton and larger commercial outdoor condensers. Also used for commercial and industrial coolers, and other shaft-mounted fan and blower equipment.



| HP  | Nameplate RPM                               | Frame | Voltage         | Full Load Amps | Mounting    | Ring to Ring Center | Resilient Ring Dia. | Stud Pattern   | Shaft Dia. | Shaft Length | Max. Ambient Temp. | Mfr. Model        | Item No. | Capacitor Req. |
|---|---|-------|-----------------|----------------|-------------|---------------------|---------------------|----------------|------------|--------------|--------------------|-------------------|----------|----------------|
| <b>Open Air-Over, Vertical Shaft Up</b>             |   |       |                 |                |             |                     |                     |                |            |              |                    |                   |          |                |
| 1/2   | 1,075                                       | 56Y   | 200-230/460V AC | 2.6-2.5/1.25   | Cradle Base | 9 13/16 in          | 2 1/2 in            | 4 1/8 x 4 1/8" | 5/8 in     | 6 in         | 60 °C              | C513V1            | 4MA37    | 2MDV7          |
|   | 850   | 56Y   | 115/200-230V AC | 6.6/4.0-3.3    | Cradle Base | 10 13/16 in         | 2 1/2 in            | 4 1/8 x 4 1/8" | 5/8 in     | 6 in         | 60 °C              | C784              | 4MA39    | 2MDV9          |
| 1/4   | 850   | 56Y   | 200-230/460V AC | 3.5-3.4/1.70   | Cradle Base | 10 9/16 in          | 2 1/2 in            | 4 1/8 x 4 1/8" | 5/8 in     | 6 in         | 60 °C              | C512V1            | 4MA25    | 2MDV9          |
|   | 1,075                                       | 56Y   | 200-230/460V AC | 4.4-4.0/2.0    | Ring/Stud   | 9 13/16 in          | 2 1/2 in            | 4 1/8 x 4 1/8" | 5/8 in     | 6 in         | 60 °C              | W56P110R040001A2A | 4MA41    | 2MDV9          |
| 3/4   | 1,075                                       | 48Y   | 208-230/460V AC | 5.0/2.5        | Cradle Base | 8 9/16 in           | 2 1/4 in            | 3 3/8 x 3 3/8" | 1/2 in     | 6 in         | 60 °C              | FB1076V1          | 4MA35    | Included       |
|   | 825   | 56Y   | 200-230/460V AC | 2.6/5.3-5.2    | Cradle Base | 10 13/16 in         | 2 1/2 in            | 4 1/8 x 4 1/8" | 5/8 in     | 6 in         | 60 °C              | C660V1            | 4MA43    | 2MDV9          |
| 1   | 1,075                                       | 56Y   | 200-230/460V AC | 4.8/2.4        | Cradle Base | 10 9/16 in          | 2 1/2 in            | 4 1/8 x 4 1/8" | 5/8 in     | 6 in         | 60 °C              | C770V1            | 4MA27    | 2MDW3          |
|   | <b>Totally Enclosed Air-Over, All Angle</b> |       |                 |                |             |                     |                     |                |            |              |                    |                   |          |                |
| 1/2   | 1,075                                       | 48Y   | 208-230/460V AC | 2.4/1.20       | Stud        | 6 3/16 in           | 2 1/2 in            | 3 3/8 x 3 3/8" | 1/2 in     | 6 in         | 60 °C              | FEH1056D          | 4MA46    | 2MDV7          |
| 3/4   | 1,075                                       | 48Y   | 208-230/460V AC | 3.4/1.70       | Stud        | 6 11/16 in          | 2 1/2 in            | 3 3/8 x 3 3/8" | 1/2 in     | 6 in         | 60 °C              | FEH1076D          | 4MA48    | 2MDV7          |
| <b>Totally Enclosed Air-Over, Vertical Shaft Up</b> |   |       |                 |                |             |                     |                     |                |            |              |                    |                   |          |                |
| 1/2   | 1,075                                       | 48Y   | 208-230/460V AC | 2.4/1.20       | Cradle Base | 8 9/16 in           | 2 1/4 in            | 3 3/8 x 3 3/8" | 1/2 in     | 5 in         | 40 °C              | FB1056TE          | 4MA29    | Included       |
| 1   | 1,075                                       | 56Y   | 208-230/460V AC | 4.2/2.3        | Cradle Base | 11 in               | 2 1/2 in            | 4 1/8 x 4 1/8" | 5/8 in     | 6 in         | 40 °C              | FB1106TE          | 4MA31    | Included       |
|   | 1,075                                       | 56Y   | 208-230/460V AC | 4.2/2.3        | Stud        | 10 13/16 in         | 2 1/2 in            | 4 1/8 x 4 1/8" | 5/8 in     | 6 in         | 60 °C              | C785              | 4MA50    | 2MDZ3          |

**IMPORTANT MOTOR INFORMATION** | Refer to pages 3-7 for selection guidelines, standardized dimensions, thermal protection information, UL 507 Standard location information, NEMA & IEC guidelines, energy legislation information, and terminology.