

1-800-GRAINGER (472-4643)

### 3-Phase High-Ambient Condenser Fan Motors



- NEMA frame: 56YZ (5½" body dia.)
- Enclosure: open air-over
- Rotation: CW/CCW
- Thermal protection: thermostat, except 24PR76 is auto
- Service factor: 1.0
- Insulation: Class F
- Mounting position: vertical shaft up
- Bearings: ball
- Duty: continuous

Rugged design and features inverter-duty windings. Suitable for use in commercial air conditioners. Keyed and flat shaft.



HP	Nameplate RPM	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Length Less Shaft	Max. Ambient Temp.	Item No.
<b>Band-Mount</b>								
1	1,140	208-230/460V AC	4.3-4.3/2.1	½ in	5 ½ in	9 ¾ in	70 °C	24PR72
	850	208-230/460V AC	5.0-5.0/2.5	½ in	5 ½ in	10 ¾ in	70 °C	24PR71
	825	208-230/460V AC	5.2-5.2/2.6	½ in	3 in	10 ¼ in	60 °C	24PR70
1 ½	1,140	208-230/460V AC	5.3-5.3/2.6	½ in	5 ½ in	10 ¼ in	70 °C	24PR74
2	1,140	208-230/460V AC	7.8-7.8/3.9	½ in	5 ½ in	10 ¾ in	70 °C	24PR75
<b>Rigid Base-Mount</b>								
½	575	230/460V AC	3.1/1.60	½ in	3 ¼ in	10 ¾ in	60 °C	24PR76
1	1,140	208-230/460V AC	4.3-4.3/2.1	½ in	5 ½ in	9 ¾ in	70 °C	24PR78
	850	208-230/460V AC	5.0-5.0/2.5	½ in	5 ½ in	10 ¾ in	70 °C	24PR77
1 ½	1,140	208-230/460V AC	5.3-5.3/2.6	½ in	5 ½ in	10 ¼ in	70 °C	24PR80
2	1,140	208-230/460V AC	7.8-7.8/3.9	½ in	5 ½ in	10 ¾ in	70 °C	24PR81

### Juggernaut 3-Phase High-Ambient Condenser Fan Motors



- NEMA frame: 56HZ (6½" body dia.)
- Enclosure: open air-over
- Thermal protection: auto
- Service factor: 1.0
- Insulation: Class F
- Inverter rated
- Mounting: base/stud/band
- Mounting position: horizontal or vertical shaft up
- Bearings: ball
- Max. ambient temp.: 70°C
- Duty: continuous
- Stud pattern: 4 ⅛" x 4 ⅛"

Replace OEM motors in commercial condenser fan applications. Energy-efficient design ensures performance in elevated temperatures. 56H rigid base is easy to remove for mounting flexibility (except 429J46 and 490T58 do not have a removable base). Feature an innovative VCM (voltage change module) to ease installation and a large water slinger to help protect bearings. 60/50 Hz.



HP	Nameplate RPM	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Length Less Shaft	Mr. Model	Item No.
1	1,140	200-230/460V AC	4.0-3.8/2.0	½ in	6 in	10 ¾ in	H1050AV1	429J40
	850	208-230/460V AC; 190/380V AC	5.4-5.1/2.7	½ in	6 in	12 ½ in	H1053RBV1	490T58
	850	208-230/460V AC	5.4-5.1/2.7	½ in	6 in	12 ½ in	H1053AV1	429J44
1 ½	850	208-230/460V AC	6.6-6.6/3.3	½ in	6 in	12 ½ in	H1054RBV1	429J46
	850	208-230/460V AC; 190/380V AC	6.6-6.6/3.3; 6.0/3.0	½ in	6 in	12 ½ in	H1054AV1	429J45
2	1,140	208-230/460V AC	7.0-7.0/3.5	½ in	6 in	12 ¾ in	H1052AV1	429J42

### 3-Phase Condenser Fan Motors



- NEMA frame: 56Y (6½" body dia.)
- Thermal protection: auto
- Service factor: 1.0
- Insulation: Class B
- Mounting position: vertical shaft up, except 4MB89 and 4ME20 are all-angle
- Bearings: ball
- Max. ambient temp.: 60°C
- Duty: continuous

Energy-efficient motors have cooler running temperature to ensure longer life performance. For 5-ton and larger commercial outdoor condensers.



HP	Nameplate RPM	Motor Shaft Rotation	Voltage	Full Load Amps	Mounting	Shaft Dia.	Shaft Length	Length Less Shaft	Mr. Model	Item No.
<b>Open Air-Over</b>										
½	1,140	CW/CCW	200-230/460V AC	1.30/2.8-2.6	Band/Stud	¾ in	6 ⅞ in	10 ¼ in	H564	4MB87
¾	1,140	CW/CCW	200-230/460V AC	1.50/3.0-2.8	Band/Stud	¾ in	6 ⅞ in	10 ⅝ in	H567	4MB85
	1,140	CW/CCW	200-230/460V AC	4.6-4.3/2.3	Stud	¾ in	6 ⅞ in	10 ⅞ in	H667V1	429J38
1	850	CW/CCW	200-230/460V AC	4.4-4.0/2.00	Band	¾ in	5 in	9 ¾ in	H686	4ME24
	1,140	CW/CCW	200-230/460V AC	5.1-5.0/2.5	Stud	¾ in	6 ¾ in	10 ⅞ in	H767V1	429J39
1 ½	1,140	CW/CCW	200-230/460V AC	5.1-5.0/2.5	Rigid Base	¾ in	6 in	11 ⅝ in	56T110RR40003A2	4ME22
	1,140	CW/CCW	208-230/460V AC	3.1/6.8-6.2	Band	¾ in	6 ¾ in	12 in	H699	4MB89
<b>Totally Enclosed Air-Over</b>										
1	1,140	CW/CCW	200-230/460V AC	3.8-3.6/1.80	Rigid Base	¾ in	3 ¾ in	11 ⅞ in	H685V1	4ME20

**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.