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3RCT5

HeatMaster Permanent Split Capacitor OEM Fan Canopy Condenser Fan Motors

- Speeds: 1
- Frame: 48Y (5 5/8" body dia.)
- Enclosure: open air-over
- Rotation: CW/CCW
- Thermal protection: auto
- Service factor: 1.0
- Insulation: Class F
- Mounting: band
- Mounting position: vertical shaft up
- Bearings: ball
- Max. ambient temp.: 70°C
- Duty: continuous

Motors provide a high-ambient alternative to OEM motors in many commercial condenser fan applications. The energy-efficient design comes with an ultrahigh torque to ensure performance in elevated temperatures. High-efficiency rating helps to increase motor life. Reversible design and supports application flexibility.

HP	Nameplate RPM	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Length Less Shaft	Mfr. Model	Item No.	Capacitor Req.
5/8	1,075	200-230/460V AC	4.0/2.0	1/2 in	3 3/8 in	9 5/8 in	FC1066AF	3RCT1	2MDY7
7/8	1,075	200-230/460V AC	4.6/2.3	1/2 in	3 3/8 in	10 3/8 in	FC1086F	3RCT2	2MDW2
1	1,075	200-230/460V AC	6.4/3.2	5/8 in	4 1/8 in	11 3/8 in	FC1106F	3RCT4	2MDW3
1 1/2	1,075	200-230/460V AC	7.0/3.5	5/8 in	4 1/8 in	11 3/8 in	FC1156F	3RCT5	2MDW3



2XJK4

3-Phase OEM Fan Canopy Condenser Fan Motors

- NEMA frame: 48Y (5 5/8" body dia.)
- Enclosure: open air-over
- Thermal protection: auto
- Service factor: 1.0
- Insulation: Class F
- Mounting: band
- Mounting position: vertical shaft up
- Bearings: ball
- Max. ambient temp.: 70°C
- Duty: continuous

Provide a high-ambient alternative to OEM motors in commercial condenser fan applications. Energy-efficient design with ultrahigh torque ensures performance in elevated temperatures. High-efficiency rating increases motor life. The reversible design supports application flexibility.

HP	Nameplate RPM	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Length Less Shaft	Mfr. Model	Item No.
1/2	1,140	200-230/460V AC	3.0/1.50	1/2 in	3 3/8 in	8 13/16 in	FC3056F	2XJK4
3/4	1,140	200-230/460V AC	4.0/2.0	5/8 in	4 1/8 in	10 13/16 in	FC3076F	2XJK5
1	1,140	200-230/460V AC	5.6/2.8	5/8 in	4 1/8 in	11 3/8 in	FC3106F	3RCT6
1 1/2	1,120	200-230/460V AC	5.8/2.9	5/8 in	4 1/8 in	11 3/8 in	FC3156F	3RCT7



20RK78



20RK77



3-Phase Condenser Fan Motors With INPRO Rings

- NEMA frame: 56YZ (6 1/2" body dia.)
- Enclosure: open air-over
- Rotation: CW/CCW
- Thermal protection: thermostat, except 20RK77 is auto
- Service factor: 1.0
- Insulation: Class F
- Inverter rated

HP	Nameplate RPM	Voltage	Full Load Amps	Shaft Dia.	Shaft Length	Length Less Shaft	Max. Ambient Temp.	Item No.
Band-Mount								
1	1,140	208-230/460V AC	4.3-4.3/2.1	5/8 in	5 3/8 in	9 3/4 in	70 °C	20RK80
1	850	208-230/460V AC	5.0-5.0/2.5	5/8 in	5 3/8 in	10 3/4 in	70 °C	20RK79
1 1/2	1,140	208-230/460V AC	5.2-5.2/2.6	5/8 in	5 3/8 in	10 3/4 in	70 °C	20RK78
1 1/2	1,140	208-230/460V AC	5.3-5.3/2.6	5/8 in	5 3/8 in	10 3/4 in	70 °C	20RK82
2	1,140	208-230/460V AC	7.8-7.8/3.9	5/8 in	5 3/8 in	10 3/4 in	70 °C	20RK83
Rigid Base-Mount								
1/2	575	230/460V AC	3.1/1.60	5/8 in	3 1/4 in	10 3/4 in	60 °C	20RK77
1	1,140	208-230/460V AC	4.3-4.3/2.1	5/8 in	5 3/8 in	9 3/4 in	70 °C	20RK85
1	850	208-230/460V AC	5.0-5.0/2.5	5/8 in	5 3/8 in	10 3/4 in	70 °C	20RK84
1 1/2	1,140	208-230/460V AC	5.3-5.3/2.6	5/8 in	5 3/8 in	10 3/4 in	70 °C	20RK87
2	1,140	208-230/460V AC	7.8-7.8/3.9	5/8 in	5 3/8 in	10 3/4 in	70 °C	20RK88

- Mounting position: vertical shaft up
- Bearings: ball

Includes premounted INPRO grounding rings. Conduit entry located at shaft end. Keyed and flat shaft.



48UT99

ECM Condenser Fan AC Motors

- Enclosure: Totally Enclosed Air-Over
- Rotation: CW/CCW
- Thermal protection: auto
- Service factor: 1.0
- Insulation: Class B
- Bearings: ball
- Duty: continuous



Electronically commutated (EC) motors have a built-in microprocessor controller that allows the user to control the motor speed. They are more energy efficient than single-speed general purpose AC motors and can replace shaded pole and permanent split capacitor motors used in refrigeration and air conditioning equipment.

HP	Nameplate RPM	Frame	Body Dia.	Voltage	Full Load Amps	Ring to Ring Center	Shaft Dia.	Shaft Length	Length Less Shaft	Max. Ambient Temp.	Brand	Mfr. Model	Item No.
1-Speed, Rigid Base Mounting, Horizontal or Vertical Shaft Up													
2 1/4	1,200/300	56HZ	6 5/8 in	460V AC	2.7	—	5/8 in	3 3/8 in	10 11/16 in	65 °C	U.S. Motors	6362E0	54ZX80
2 1/2	1,200/300	56HZ	6 5/8 in	208-230V AC	6.5-5.8	—	5/8 in	3 3/8 in	10 11/16 in	65 °C	U.S. Motors	6361E0	54ZX79
2-Speed, Stud Mounting, All Angle													
1/2	1,100/850	48	5 3/8 in	208-230V AC	2.8	2 1/2 in	1/2 in	3 in	5 1/2 in	60 °C	Genteq	6301	48UT99
1/3	1,100/850	48	5 3/8 in	208-230V AC	3.5	2 1/2 in	1/2 in	3 in	6 in	60 °C	Genteq	6303	48UU01
2-Speed, Stud Mounting, Vertical Shaft Down													
1/2	1,075/825	48Y	5 3/8 in	208-230V AC	2.5	3 11/16 in	1/2 in	4 1/2 in	5 3/8 in	60 °C	U.S. Motors	5561E0	54ZX56