

1-800-GRAINGER (472-4643)

Shaded Pole Unit Bearing Motors



- Enclosure: totally enclosed air-over
- 60/50 Hz
- Service factor: 1.0
- Insulation: Class A
- Mounting: horizontal or vertical shaft up

Use with commercial and industrial HVAC and refrigeration equipment, and other applications with 6" to 12" fan blades. Motors have oil circulation system to help extend the life of motor and bearings, and allow for vertical application.

Output Watts	HP	Nameplate RPM	Thermal Protection	Voltage	Full Load Amps	Body Dia.	Shaft Length	Length Less Shaft	Max. Ambient Temp.	CLOCKWISE FACING LEAD END Item No.	COUNTER CLOCKWISE FACING LEAD END Item No.
Cast-Aluminum Housing											
Rear/Double Foot Mounting											
5 W	1/150	1,550	Impedance	115V AC	0.34	3 1/2 in	1/2 in	2 3/8 in	40 °C	4YFF7	4YFF6
6 W	1/125	1,550	Impedance	115V AC	0.42	3 1/2 in	1/2 in	2 3/8 in	40 °C	4YFF9	4YFF8
9 W	1/83	1,550	Auto	115V AC	0.62	3 1/2 in	1/2 in	2 3/8 in	40 °C	4YFG2	4YFG1
9 W	1/83	1,550	Auto	230V AC	0.33	3 1/2 in	1/2 in	2 3/8 in	40 °C	4YFG4	4YFG3
Rear/Foot Mounting											
2 W	1/370	1,550	Impedance	115V AC	0.25	3 1/2 in	1/2 in	2 3/8 in	40 °C	4YFH5	—
2.3 W	1/370	1,550	Impedance	115V AC	0.25	3 1/2 in	1/2 in	3 3/8 in	40 °C	4YFG5	—
4 W	1/185	1,550	Impedance	115V AC	0.34	3 1/2 in	1/2 in	3 3/8 in	40 °C	4YFJ2	4YFJ3
4 W	1/185	1,550	Impedance	230V AC	0.17	3 1/2 in	1/2 in	3 3/8 in	40 °C	4YFJ4	4YFJ5
6 W	1/125	1,550	Impedance	115V AC	0.42	3 1/2 in	1/2 in	3 13/16 in	40 °C	4YFJ6	—
9 W	1/83	1,550	Auto	115V AC	0.62	3 1/2 in	1/2 in	3 13/16 in	40 °C	4YFJ7	4YFJ8
9 W	1/83	1,550	Auto	230V AC	0.33	3 1/2 in	1/2 in	3 13/16 in	40 °C	4YFJ9	4YFK1
16 W	1/47	1,550	Auto	115V AC	1.10	3 1/2 in	1/2 in	4 3/32 in	40 °C	4YFK4	4YFK5
16 W	1/47	1,550	Auto	230V AC	0.60	3 1/2 in	1/2 in	4 3/32 in	40 °C	4YFK6	—
Cast-Iron Housing											
Rear/Foot Mounting											
2.5 W	1/500	1,550	Impedance	115V AC	0.25	3 1/2 in	1/2 in	3 3/8 in	40 °C	4YFH6	—
4 W	1/185	1,550	Impedance	115V AC	0.34	3 1/2 in	1/2 in	3 3/8 in	40 °C	4YFG8	4YFG9
4 W	1/185	1,550	Impedance	230V AC	0.17	3 1/2 in	1/2 in	3 3/8 in	40 °C	4YFK2	4YFK3
6 W	1/125	1,550	Impedance	115V AC	0.42	3 1/2 in	1/2 in	3 13/16 in	40 °C	4YFG7	4YFG6
9 W	1/83	1,550	Auto	115V AC	0.62	3 1/2 in	1/2 in	3 13/16 in	40 °C	4YFH3	4YFH2
9 W	1/83	1,550	Auto	230V AC	0.33	3 1/2 in	1/2 in	3 13/16 in	40 °C	4YFH4	4YFH1
16 W	1/47	1,550	Auto	115V AC	1.10	3 1/2 in	1/2 in	4 1/8 in	40 °C	4YFH7	4YFH9
16 W	1/47	1,550	Auto	230V AC	0.60	3 1/2 in	1/2 in	4 1/8 in	40 °C	4YFH8	4YFJ1



Kryo SSC ECM Unit Bearing Motors



- Enclosure: totally enclosed air-over
- Rotation: CWLE
- Thermal protection: electronic
- 60 Hz
- Service factor: 1.0
- Insulation: Class B
- Mounting: rear/foot
- 1/4"-20 threaded shaft
- Plug type: round 2-pin

For use in commercial refrigeration evaporator fan applications and in most applications requiring high efficiency and output ratings between 4 and 25W. Aluminum housing. IP65 compliant.

Output Watts	Nameplate RPM	Voltage	Full Load Amps	Body Dia.	Shaft Length	Length Less Shaft	Max. Ambient Temp.	Mfr. Model	Item No.
25 to 9 W	1,550	115V AC	0.60	3 15/16 in	3/8 in	3 3/8 in	55 °C	5R999	39D813
16 W	1,550	115V AC	0.40	3 15/16 in	3/8 in	3 3/8 in	55 °C	5R031	39D812
12 W	1,550	230V AC	0.15	3 15/16 in	3/8 in	3 3/8 in	55 °C	5R030	39D811



ECM Direct-Drive Unit Bearing Fan Motors



- Enclosure: totally enclosed air-over
- Thermal protection: auto
- Insulation: Class A
- Mounting: rear/double foot
- Body dia.: 3 1/2"
- Max. ambient temp.: 40°C
- Plug type: round 2-pin

Suitable for evaporator fans, walk-in coolers and freezers, ice machines, beverage merchandisers, and vending machines. Threaded 1/4-20 shaft. Cast-iron frame. Evaporator-duty only. Include speed nut and mounting screws.

Output Watts	HP	Nameplate RPM	Rotation	Voltage	Full Load Amps	Shaft Orientation	Shaft Length	Length Less Shaft	Mfr. Model	Item No.
14 to 16 W	1/60	1,550	CWLE	115V AC	0.58	Horizontal or Up	3/8 in	3 3/4 in	UTB1CC1551EM56	5ULC9
6 to 12 W	1/60	1,550	CWLE	115V AC	0.30	Horizontal or Up	3/8 in	3 3/4 in	UTB1CB1551EM56	5ULC8



Shaded Pole Unit Bearing Motors



- Service factor: 1.0
- Mounting: rear/double foot
- Max. ambient temp.: 40°C
- Duty: continuous
- Shaft orientation: horizontal or up
- Plug type: round 2-pin
- Original OEM replacement motor

Feature precision-machined housing with positive-flow lubrication and a preoiled felt wick for extended use with no reoiling. #8 mounting holes, 2 13/16" OC. 1/4-20 threaded shafts, except 4M159 and 4M160 have 3/8" dia. with flat. 2MY41 has 3/8" dia., and motor leads and shaft exit the same side of housing. For use in commercial and industrial HVAC and refrigeration equipment, and other applications with 6" to 12" fan blades.

Output Watts	HP	Nameplate RPM	Rotation	Thermal Protection	Voltage	Full Load Amps	Ins. Class	Body Dia.	Shaft Length	Length Less Shaft	Mfr. Model	Item No.
Totally Enclosed Air-Over												
5 W	1/150	1,500	CWLE	Impedance	115V AC	0.35	B	3 1/2 in	3/8 in	2 1/2 in	SPFBC51	5YJN8
9 W	1/85	1,500	CWLE	Auto	115V AC	0.60	B	3 1/2 in	3/8 in	3 in	SPFBE91H	5YJN9
16 W	1/47	1,500	CWLE	Auto	115V AC	0.80	A	3 7/8 in	1/2 in	3 1/2 in	ESP-L16EM1	4M153
16 W	1/47	1,500	CWLE	Auto	230V AC	0.40	A	3 7/8 in	1/2 in	3 1/2 in	ESP-L16EM2	4M154
25 W	1/30	1,500	CWLE	Auto	115V AC	1.10	A	3 7/8 in	1/2 in	3 1/2 in	ESP-L25EM1	4M155
25 W	1/30	1,500	CWLE	Auto	230V AC	0.60	A	3 7/8 in	1/2 in	3 1/2 in	ESP-L25EM2	4M156
35 W	1/20	1,500	CWLE	Auto	115V AC	1.40	A	3 7/8 in	1/2 in	3 1/2 in	ESP-L35EM1	4M157
35 W	1/20	1,500	CWLE	Auto	230V AC	0.70	A	3 7/8 in	1/2 in	3 1/2 in	ESP-L35EM2	4M158
Open Air-Over												
50 W	1/15	1,500	CWLE	Auto	115V AC	1.70	A	3 7/8 in	1 1/2 in	4 3/8 in	ESP-OL50EM1	4M159
50 W	1/15	1,500	CWLE	Auto	208-230V AC	1.20-1.10	A	3 7/8 in	1 1/2 in	4 3/8 in	ESP-OL60EM2	4M160
50 W	1/15	1,500	CWSE	Auto	230V AC	0.85	A	3 7/8 in	1 1/2 in	3 3/4 in	ESP-OL50EMJR21	2MY41
50 W	1/15	1,500	CWLE	Auto	115V AC	1.70	A	3 7/8 in	1 3/2 in	5 3/8 in	ESP-OL50EM16H	40GN88
50 W	1/15	1,500	CWLE	Auto	230V AC	0.85	A	3 7/8 in	1 3/2 in	5 3/8 in	ESP-OL50EM26H	40GN89



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.