



Unit Bearing Motors - Shaded Pole - GE

3 1/2 inch dia. MARS SERIES **050**



51 Frame Unit Bearing Cast Iron Motors

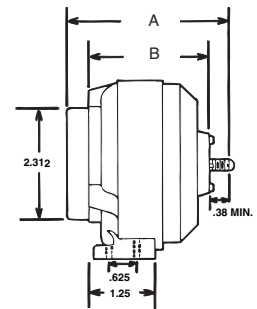
MARS 51 frame motors are used on refrigerators, freezers, food & beverage coolers, vending machines, display cases, and many other fan duty applications.

Features:

- Cast iron construction
- Proven unit bearing design
- Packed with vibration dampener, speed nut & screws
- Shaded pole, single phase
- All angle mount
- Fan duty, continuous, air over
- Impedance protected
- Accessories on pages M-73 to M-75
- Class B insulation
- 60/50 Hertz

Motor Size	A		B	
	Threaded Shaft			
5KSP & 5KSM	Max.	Min.	Max.	Min.
AG, AL	3.37	3.18	2.56	2.39
CAG, CG, CL,ECL	3.87	3.68	3.06	2.89
BL, GG, GL	4.12	3.93	3.31	3.14

Dimensions include end play



1000 RPM—1/4-20 Threaded Shaft

MARS NO.	GE NO.	WATTS	ROT OSE	VOLTS	AMPS	LEAD LENGTH	MARS PACK
05111 ⁽¹⁾	5KSM81HFL0007	2.5	CW	115	.30	26"	1

1550 RPM—1/4-20 Threaded Shaft

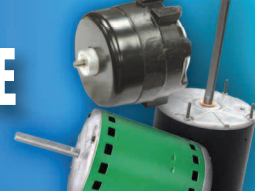
MARS NO.	GE NO.	WATTS	ROT OSE	VOLTS	AMPS	LEAD LENGTH	MARS PACK
05211 ⁽¹⁾	5KSM81HFL0008	4	CW	115	.27	26"	1
05212 ⁽¹⁾	5KSM81HFL0009	4	CCW	115	.27	26"	1
05221 ⁽¹⁾	5KSM81HFL0010	4	CW	230	.16	26"	1
05222 ⁽¹⁾	5KSM81HFL0011	4	CCW	230	.16	26"	1
05311	5KSM81HFL1007	6	CW	115	.40	26"	1
05312	5KSM81HFL1008	6	CCW	115	.40	26"	1
05411	5KSM81HFL1001	9	CW	115	.50	26"	1
05412	5KSM81HFL1009	9	CCW	115	.50	26"	1
05421	5KSM81HFL1010	9	CW	230	.25	26"	1
05422	5KSM81HFL1011	9	CCW	230	.25	26"	1
05811 ⁽²⁾	5KSM81HFL3004T	16	CW	115	1.00	24"	1
05812 ⁽²⁾	5KSM81HFL3005T	16	CCW	115	1.00	24"	1
05821 ⁽²⁾	5KSM81HFL3006T	16	CW	230	.50	24"	1
05822 ⁽²⁾	5KSM81HFL3007T	16	CCW	230	.50	24"	1

(1) Class A Insulation (2) Automatic Reset Overload Protection



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GE



51 Frame Unit Bearing Aluminum Motors

GE aluminum 51 frame motors are economical replacements for cast iron motors. They feature an improved oiling system and class B insulation for longer life.

Features:

- Aluminum construction
- Unit bearing design
- Packed with accessories
- Shaded pole, single phase
- Fan duty, all angle
- Continuous, air over
- Impedance protected
- Accessories on pages M-73 to M-75
- Class B insulation
- 60/50 Hertz

1000 RPM—1/4-20 Threaded Shaft

MARS NO.	GE NO. 5KSM81	WATTS	ROT OSE	VOLTS	AMPS	LEAD LENGTH
05113 ⁽¹⁾	FFL0002	2.5	CW	115	.30	26"

1550 RPM—1/4-20 Threaded Shaft

MARS NO.	GE NO. 5KSM81	WATTS	ROT OSE	VOLTS	AMPS	LEAD LENGTH
05213 ⁽¹⁾	FFL0003	4	CW	115	.27	26"
05223 ⁽¹⁾	FFL0005	4	CW	230	.16	26"
05313	FFL1002	6	CW	115	.40	26"
05413	FFL1000	9	CW	115	.50	26"
05414	FFL1004	9	CCW	115	.50	26"
05423	FFL1005	9	CW	230	.25	26"
05813 ⁽¹⁾⁽²⁾	FFL3000S	16	CW	115	1.00	26"
05814 ⁽¹⁾⁽²⁾	FFL3001S	16	CCW	115	1.00	26"
05823 ⁽¹⁾⁽²⁾	FFL3002S	16	CW	230	.50	26"

1550 RPM—1/4-20 Threaded Shaft - Lyall Plug

MARS NO.	GE NO. 5KSM81	WATTS	ROT OSE	VOLTS	AMPS	LEAD LENGTH
05119	FFL1032	9	CW	115	.55	13" w/ Lyall plug
05120	FFL1106	9	CW	115	.55	13" w/ 90° Lyall plug
05130	FFL3017S	30	CW	115	1.50	14.5" w/ Lyall plug

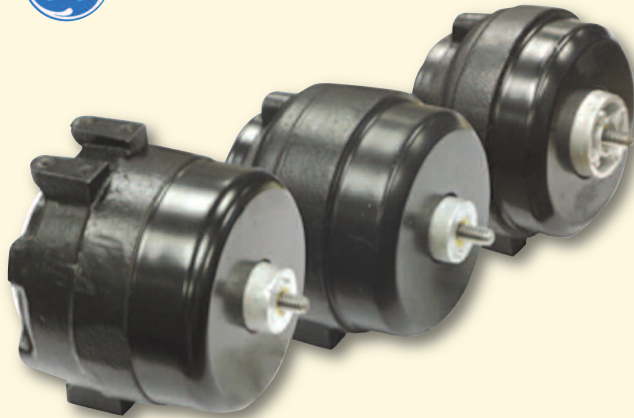
(1) Class A insulation

(2) Automatic reset overload protection



Unit Bearing Motors - PSC - GE

3 1/2 inch dia. MARS SERIES **050**

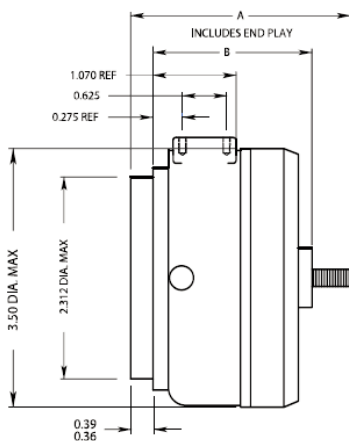


51 Frame Unit Bearing Cast Iron Permanent Split Capacitor (PSC) Motors

This new PSC GE unit bearing motor is designed for refrigeration, food/beverage coolers, blowers and fans, vending machines, walk-in coolers, condensing units and other similar applications. Unique design features in the bearing/lubrication and insulation systems provide years of dependable operation.

Standard features:

- -20°C to 70°C Oil
- Impedance protection except 16w - auto overload
- Threaded shaft 1/4 - 20, 0.51/0.41" long
- 26 inch lead length with 1/2" bare wire stripped
- Single speed
- Totally enclosed air over (TEAO) designs
- Cast Iron construction
- One side pad
- Small nose rotor
- No external capacitor needed
- Individually boxed
- Accessories on pages M-73 to M-75



Cross Reference

MARS PSC REPLACEMENT NO.	MFG NO.	MARS SHADED POLE NO.	MFG NO.
05315	5KPM81HFL0095	05211	5KSM81HFL0008
05415	5KPM81HFL1086	05411	5KSM81HFL1001
05425	5KPM81HFL1087	05421	5KSM81HFL1010
05815	5KPM81HFL2046S	05811	5KSM81HFL3004S
05825	5KPM81HFL3047S	05821	5KSM81HFL3006S

Easy installation

- All motors have self-tapping holes for use with self-tapping screws
- Side pad or opposite shaft end mounting
- Drop-in replacement for existing 81mm unit bearing motors

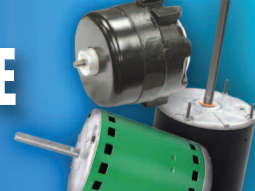
MARS NO.	MFG NO.	HP	VOLTS	FULL LOAD AMPS	ROT.	A (in)	B (in)	Energy Savings Per Year			MARS PACK
								Duty Cycle 100%	Duty Cycle 80%	Duty Cycle 50%	
05315	5KPM81HFL0095	5W	115	0.2	CW	3.15	2.36	\$12.40	\$9.92	\$6.20	1
05325	5KPM81HFL0096	5W	230	0.1	CW	3.15	2.36	12.40	9.92	6.20	1
05415	5KPM81HFL1086	9W	115	0.3	CW	3.82	2.93	13.00	10.40	6.50	1
05425	5KPM81HFL1087	9W	230	0.2	CW	3.82	2.93	13.00	10.40	6.50	1
05815	5KPM81HFL3046S	16W	115	0.6	CW	3.98	3.33	28.70	22.96	14.35	1
05825	5KPM81HFL3047S	16W	230	0.3	CW	3.98	3.33	28.70	22.96	14.35	1



The largest selection of motors, components and accessories for the HVAC/R Industry

Unit Bearing Motors - Shaded Pole - GE

3 1/2 inch dia. MARS SERIES **050**



EM&S

GE



51 Frame Motors For Domestic Refrigeration

Features:

- Single phase, shaded pole
- Fan duty, continuous, air over
- Class A insulation
- 60/50 Hertz
- Impedance protected
- Accessories on page M-73 to M-75

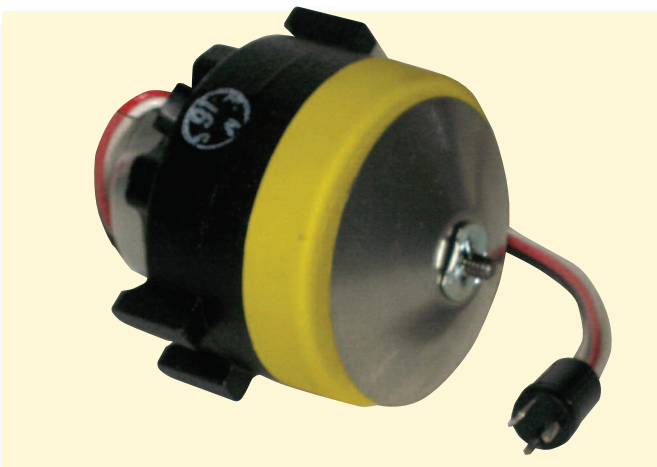
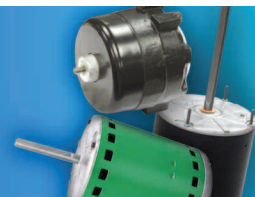
1550 RPM

MARS NO.	GE NO. 5KS	WATTS	ROT OSE	VOLTS	AMPS	SHAFT	REPLACES	MARS PACK
05109	M81FFL0065	2	CW	115	.25	1/4-20 threaded	most refrigerators and freezers	12
05109BOX	M51AG3070	2	CW	115	.25	1/4-20 threaded		1
05110 ^{(1)*}	M51AG3144	2	CW	115	.25	1/4-20 threaded		1

(1) Push-on terminals, no leads * Limited quantities available, while supplies last

Unit Bearing Motors - PSC - EM&S

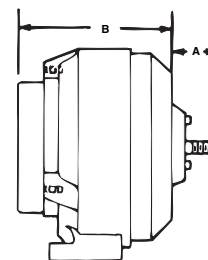
MARS SERIES **002**



EM&S PSC Type Replacement For GE

Features:

- Drop-in replacement
- Single phase PSC
- Fan duty, continuous, air over
- Low temp oil
- Reliable unit bearing
- Internal capacitor



1660 rpm

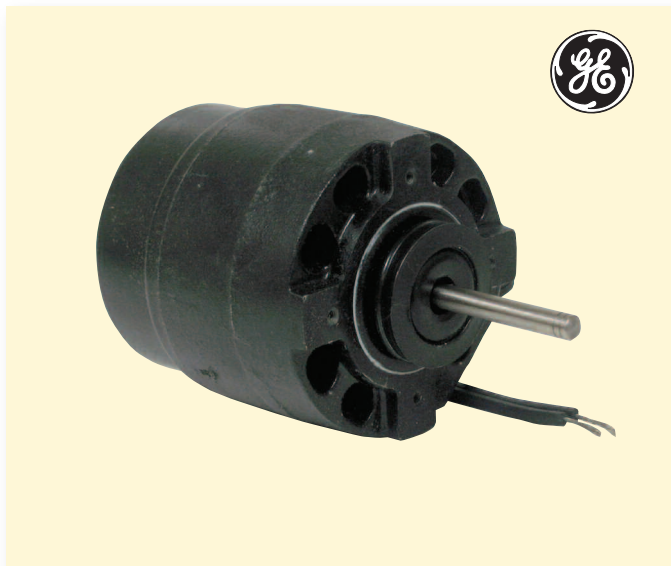
MARS NO.	GE NO. 5KS	WATTS	ROT OSE	VOLTS	AMPS	SHAFT	DIMENSIONS	
							A	B
00114	RS4BEB6E14	4	CW	115	.20	1/4-20 threaded	.400	2.50
00117*	RS4BEB9E12	9	CW	115	.26	1/4-20 threaded	.400	2.50

* 00117 replaces Hussmann SVC 441-302



Unit Bearing Motors - Shaded Pole - GE

4 inch dia. MARS SERIES **010**



5KSP11 Unit Bearing Shaded Pole Motors

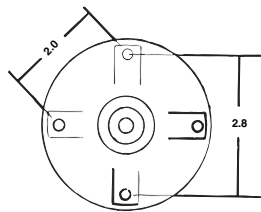
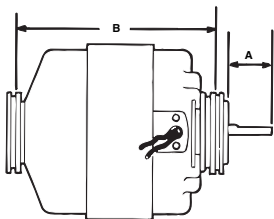
GE 5KSP11 shaded pole motors are suitable for use in a wide variety of fan duty applications. Proven all-angle unit bearing design for trouble free operation. Can be resilient base, strap, or end mounted.

Features:

- All angle unit sleeve bearings
- Resilient base, strap, or end mounting
- 5/16 inch shaft diameter ground lead
- 12 inch leads
- For mounting bases & accessories see page M-73 to M-75
- See the airMARS section of this catalog for fan blades & accessories

Specifications:

- Single phase, 60 Hertz
- Overload protection
- Fan duty, continuous, air over
- Shaft end has four 8-32 tapped holes



1550 rpm - 4 pole

MARS NO.	GE NO. 5KSM92	HP	VOLTS	AMPS	ROT OSE	ENCL	DIMENSIONS		BASE NO.
							A	B	
01431	KFL2005S	1/30	115	1.74	CW	OPEN	1.25	4.82/4.70	08042
01441	KFL2003S	1/30	115	1.74	CCW	OPEN	1.25	4.82/4.70	08042
01432	KFL2009S	1/30	208-230	.87	CW	OPEN	1.25	4.82/4.70	08042
01442	KFL1009S	1/30	208-230	.87	CCW	OPEN	1.25	4.82/4.70	08042
01331 ⁽¹⁾	KFL2011S	1/20	115	2.2	CW	OPEN	2.00	4.82/4.70	08042
01341 ⁽¹⁾	KFL2004S	1/20	115	2.2	CCW	OPEN	2.00	4.82/4.70	08042
01332 ⁽¹⁾	KFL2007S	1/20	208-230	1.1	CW	OPEN	2.00	4.82/4.70	08042
01342 ⁽¹⁾	KFL2012S	1/20	208-230	1.1	CCW	OPEN	2.00	4.82/4.70	08042
01232 ⁽²⁾⁽³⁾	KFL3006S	1/15	230	1.2	CW	OPEN	1.50	4.875	NONE

(1) 34 inch leads
 (2) 30 inch leads
 (3) 60/50 Hertz