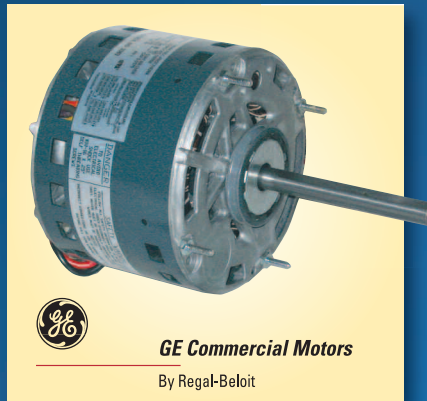


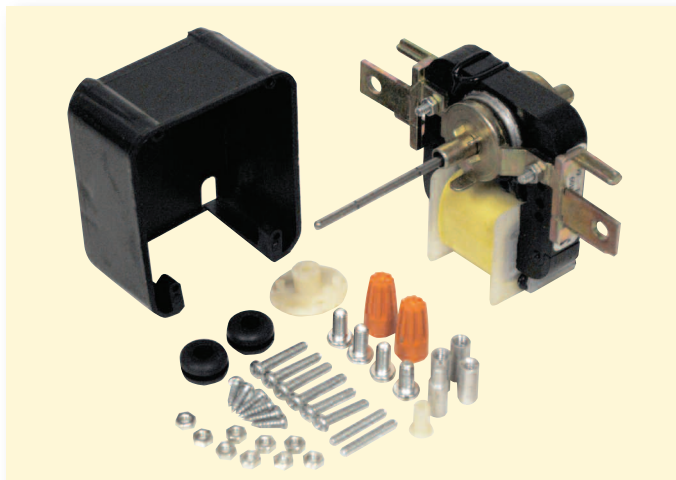
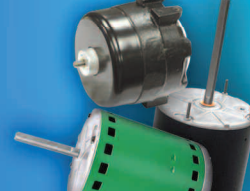
MARS[®]

Section



C-Frame - Shaded Pole Motors

MARS SERIES **909**



90999 Super-Fit™ 3000 RPM Replacement Motor*

The MARS 90999 Super-Fit™ replacement fan motor is designed to replace virtually any refrigerator evaporator fan motor.

The MARS 90999 motor incorporates a unique new system which duplicates any OEM mounting quickly and easily. The rotor is reversible in the field for either clockwise or counterclockwise rotation.

In addition the MARS 90999 motor has the power to perform in even the largest refrigerators.

The MARS 90999 Super-Fit™ motor comes complete with mounting accessories, hardware, and illustrated instructions.

Fan blades on page M-4.

*U.S. Patent

Specifications:

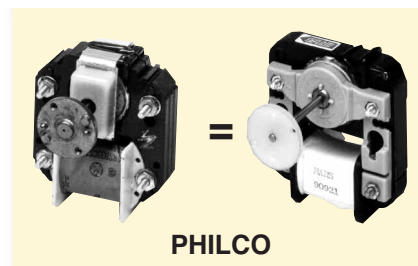
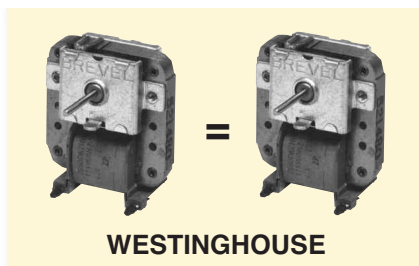
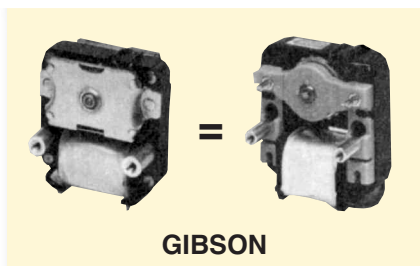
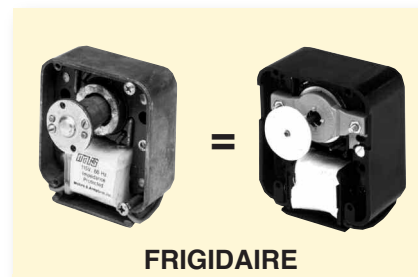
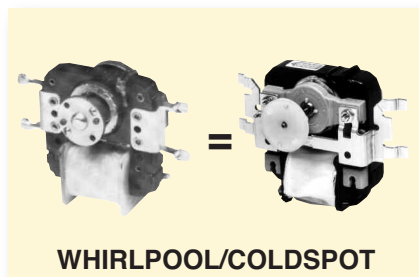
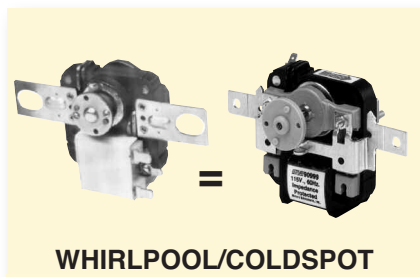
- Electrical rating: 90999, 115V, 50/60 Hertz
90998, 220V, 50/60 Hertz
- Overload protection: impedance protected
- Speed: 3000 RPM
- Shaft: 1/8 inch diameter with adaptors for 3/16 inch and hubless fans

MARS NO.	DESCRIPTION	VOLTS
90999	"Super-Fit" motor with accessories	115V, 50/60 Hz
90998	"Super-Fit" motor with accessories	220V, 50/60 Hz

Features:

- Reversible rotation
- Duplicates any OEM motor
- Break-off shaft
- Easy-to-use, fewer parts to assemble than competitive motors
- Stock one motor—save on inventory
- Complete with accessories and instructions

Replaces these popular motors...and *hundreds more!*





C-Frame - Shaded Pole Motors

MARS SERIES **909**

MARS

MARS One-On-One™ Direct Replacement Motors

MARS one-on-one™ direct replacement evaporator fan motors are engineered to install and perform like OEM motors.

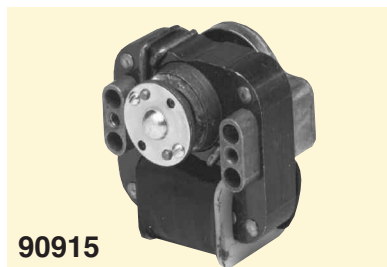
Each motor is individually boxed and clearly labeled with cross reference information.

Fan blades on page M-4.

Features:

- Direct one-on-one™ replacement
- Matches OEM mounting, rotation, and performance
- Easy, fast installation
- Individually boxed and clearly labeled
- Models for all popular motors from leading OEM suppliers

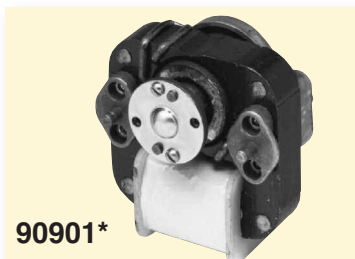
FRANKLIN



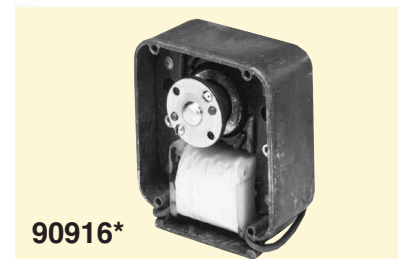
90915

FRANKLIN		One-on-One
OEM		MARS No.
No.	Universal	
F88162	90999	90915

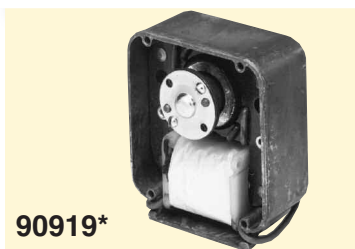
FRIGIDAIRE



90901*



90916*



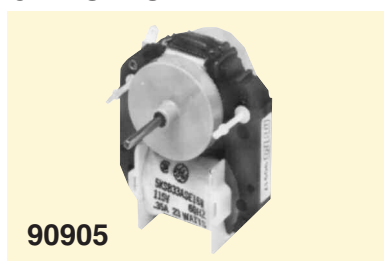
90919*



90932

FRIGIDAIRE		One-on-One
OEM		MARS No.
No.	Universal	
629965	90999	90901
1136442	90999	90932
1136914	90999	90922
1137820	90999	90933
6599388	90999	90916
6599389	90999	90919

GE/HOTPOINT

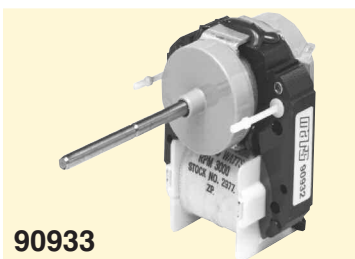


90905



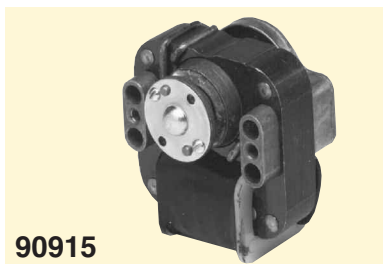
90917

GE/HOTPOINT		One-on-One
OEM		MARS No.
No.	Universal	
WR60X60	90999	90905
WR60X71	90999	90905
WR60X84	90999	90905
WR60X85	90999	90917
WR60X100	90999	90917
WR60X104	90999	90917
WR60X5023	90999	90905



90933

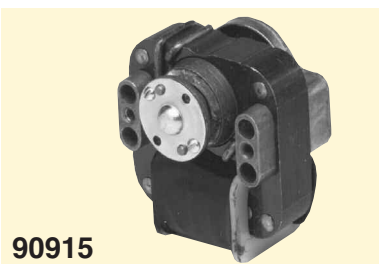
GIBSON



90915

GIBSON		One-on-One
OEM		MARS No.
No.	Universal	
K1230632	90999	90915

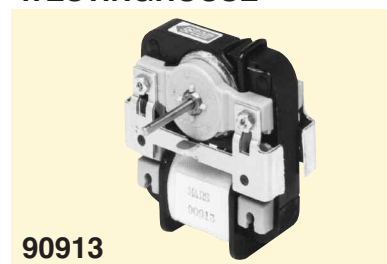
KELVINATOR



90915

KELVINATOR		One-on-One
OEM		MARS No.
No.	Universal	
F86162	90999	90915
K1230632	90999	90915

WESTINGHOUSE



90913

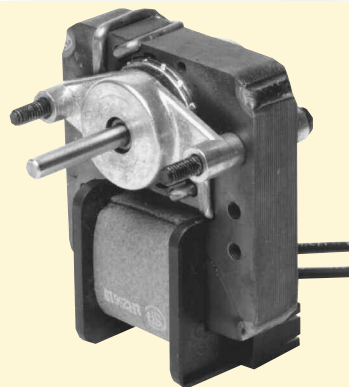
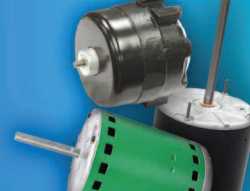
* Limited quantities available while supplies last.



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

M-3

C-Frame - Shaded Pole Motors

MARS SERIES **909**

MARS Super-Fit™ 3000 RPM Utility Motors Standard And Heavy Duty

MARS Super-Fit™ C Frame utility motors offer the widest choice of general replacement skeleton frame motors. Typical applications are small fans and blowers, bathroom ventilators, range hoods, electric heaters, hair dryers, air cleaners, humidifiers, and refrigeration equipment.

Fan blades on page M-28.

Features:

- UL and CSA recognized
- All angle mount
- Re-circulating oil system
- Compact size
- mechanically reversible

Specifications:

- Sleeve bearings, standard duty
- Ball bearings, heavy duty
- Class A insulation, standard duty
- Class B insulation
- 60 HZ

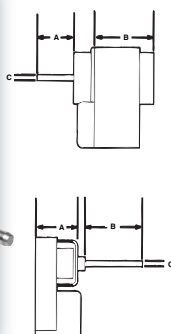
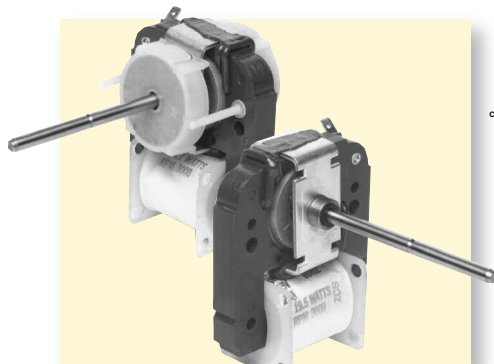
3000 Rpm - Standard Duty - Sleeve Bearings - Class A Insulation

MARS NO.	HP	VOLTAGE	STACK SIZE	SHAFT	THERMAL PROTECTION	F.L.A.	REPLACES WWG #4M
90937	1/500	115	5/16"	3/16" x 1"	Impedance	.26	067
90942	1/100	115	7/8"	3/16" x 1"	Impedance	.47	072
90935**	1/100	200-240	1"	3/16" x 2"	Impedance	0.3/0.35	071
90944	1/70	230	7/8"	3/16" x 1"	Auto	.44	074

** Class B Insulation

3000 Rpm - Heavy Duty - Ball Bearings - Class B Insulation

MARS NO.	HP	VOLTAGE	STACK SIZE	SHAFT	THERMAL PROTECTION	F.L.A.	REPLACES WWG #4M
90948	1/150	115	5/8"	3/16" x 2"	Impedance	.51	078



5KSB44 Shaded Pole Evaporator Fan Motors

GE 5KSB44 motors are designed for use on domestic and commercial refrigerators and systems. MARS Nos. 90975, 90976, 90977, and 90978 are packaged with two fan blades and mounting hardware for replacement of many popular motors.

Features:

- All angle sleeve bearings
- 3000 RPM single speed
- For domestic and commercial applications

Specifications:

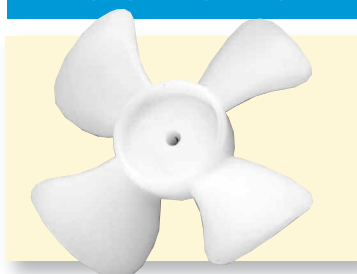
- Single phase, 60 Hertz (90976 and 90975, 60/50 Hertz)
- Fan duty, continuous air over
- Ground lead

3000 RPM - 2 Pole

MARS NO.	GE NO. 5KSB44	INPUT WATTS	VOLTS	AMPS	ROT OSE	DIMENSIONS			APPLICATION
						A	B	C	
90976*	QSE156	19.5	115	.29	CW	2.5"	1.03"	.19(3/16)"	DOMESTIC
90977*	QSE145	23.0	220	.18	CCW	2.5"	1.03"	.19(3/16)"	EXPORT
90978*	QSE146	23.0	220	.18	CW	2.5"	1.03"	.19(3/16)"	EXPORT

* Limited quantities available, while supplies last.

Plastic Fan Blades



Plastic Fan Blades

MARS NO.	ROT OSE	FOR SHAFT DIAMETER	NO. OF BLADES	DIAMETER
90991	CCW	.19"	5	4.0"
90992	CW	.13"	5	4.0"
90993	CCW	.13"	5	4.0"
90995	CW	.19"	4	3.5"
90996	CCW	.19"	4	3.5"

C-Frame - Shaded Pole Motors

MARS SERIES **909**

MARS



90970 Super-Fit™ 3000 RPM Commercial Replacement Motor*

MARS 90970 Super-Fit™ commercial evaporator fan motor is the most versatile, easy-to-use, heavy-duty replacement evaporator fan motor available.

MARS 90970 is the first motor of this type with a dual voltage coil so you can stock one motor for both 115 volt and 230 volt applications. The unique system of slide locator screws lets you match OEM mountings quickly and easily.

The reversible 90970 features rugged, die cast bearing housings with self-aligning bearings and generous oil reservoir. The break-off shaft has adaptors to fit 1/8, 3/16, 1/4, 5/16 inch bores and hubless fan blades.

Fan blades on page M-4.

*U.S. Patent

Features:

- Dual voltage coil, 110-120/208-240 VAC
- 50/60 Hertz • mechanically reversible

Specifications:

- Electrical: 110-120/208-240 VAC; 50/60 Hertz
- Protection: thermal overload protected
- HP: 1/50 • RPM: 3000

MARS 90970 Replaces:

ACME MIAMI	GEM		UNI-LINE ROBERT SHAW
750	EM675	EM680	14011
7502	EM675	EM683	14019
780			

3000 Rpm—Mechanically Reversible

MARS NO.	HP	AMPERAGE	STACK HT. IN.	SHAFT	VOLTAGE
90970	1/50	1.33	.75	2.174 x .1875	110-120/208-240



90971 Super-Fit™ 3000 RPM Replacement Motor Kit With Fan Blades

The MARS 90971 Super-Fit™ replacement motor kit with fan blades is designed to provide all the material necessary to replace virtually any existing application that requires a 3/8", 1/2", or 5/8" stack motor.

The motor features a specially designed recirculating oil system for long life.

Each kit includes MARS Super-Fit™ hardware plus a 4" diameter fan blade and a 5 1/2" diameter fan blade.

Additional fan blades on page M-4.

Features:

- All angle mount
- UL and CSA recognized
- Impedance protection
- Mechanically reversible
- Recirculating oil system

Specifications:

- Sleeve bearings
- Class A insulation
- 3000 RPM
- 60 HZ

Cross Reference:

MARS NO.	ACME-MIAMI	GEM	UNI-LINE/ROBERTSHAW	SUPCO
90971	600 700 710 AM-4670	EM670	33-670 (14001)	SM-670

3000 RPM—Mechanically Reversible

MARS NO.	HP	VOLTAGE	AMPS	SHAFT	STACK
90971	1/130	120	.41	1.42" x 3/16"	5/8"

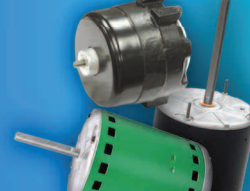


The largest selection of motors, components and accessories for the HVAC/R Industry

M-5

Unit Bearing -Shaded Pole Motors

MARS SERIES **150 & 451**



MARS2



Features:

- Cast iron construction
- Universal mount
- Mounting screws included
- Individually boxed
- UL recognized

Unit Bearing Motors

MARS-2 Unit Bearing Cast Iron Motors are used on refrigerators, freezers, food & beverage coolers, vending machines, display cases, and many other fan duty applications.

**Note: 13" lead w/lyall plug*

MARS 2 No.	WATTS	VOLTS	ROTATION
15109	2	115	CW
15211	4	115	CW
15212	4	115	CCW
15221	4	230	CW
15222	4	230	CCW
15311	6	115	CW
15312	6	115	CCW
15119*	9	115	CW
15411	9	115	CW
15412	9	115	CCW
15421	9	230	CW
15422	9	230	CCW
15811	16	115	CW
15812	16	115	CCW
15821	16	230	CW
15822	16	230	CCW

Watt Motors

All motors are totally enclosed, UL and CSA approved, and have a proven track record of ruggedness, quality, and value. All motors are packed in individual boxes - no more lost mounting hardware. JARD Watt Motors are covered by a One Year Warranty.

1/4" Threaded Shaft

MARS No.	JARD No.	WATTS	VOLTS	ROTATION	RPM
45111	JWM-5111	2.5	115	CW	1550
45212	JWM-5212	4	115	CCW	1550
45312	JWM-5312	6	115	CCW	1550
45411	JWM-5411	9	115	CW	1550
45422	JWM-5422	9	230	CCW	1550
45812	JWM-5812	16	115	CCW	1550
45822	JWM-5822	16	230	CCW	1550
45911	JWM-25EM1	25	115	CW	1500
45921	JWM-25EM2	25	230	CW	1500
45922	JWM-25EMR2	25	230	CCW	1500
45711	JWM-35EM1	35	115	CW	1500
45712	JWM-35EMR1	35	115	CCW	1500
45721	JWM-35EM2	35	230	CW	1500
45722	JWM-35EMR2	35	230	CCW	1500

3/8" Smooth Shaft

MARS No.	JARD No.	WATTS	VOLTS	ROTATION	RPM
45511	JWM-50EM1	50	115	CW	1500
45512	JWM-50EMR1	50	115	CCW	1500
45521	JWM-50EM2	50	230	CW	1500
45522	JWM-50EMR2	50	230	CCW	1500

JARD
MAGNETICS



4 WATT MOTOR
JWM-5212



50 WATT MOTOR



Refrigeration Fan Motors - Shaded Pole

3.3 inch dia. MARS SERIES **099**

MARS

MARS Super-Fit™ 3.3 Inch Commercial Evaporator Fan And Blower Motors

Application

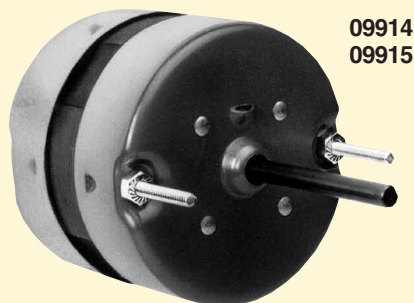
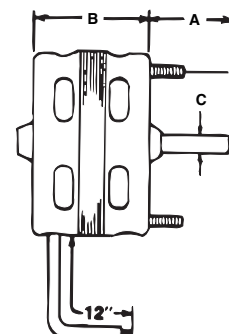
Mechanically reversible rotation can be used to replace virtually all popular 3.3" dia. commercial refrigeration evaporator fan motors.

Features:

- Mechanically reversible
- Adaptable to front or rear mount
- All angle operation
- Specially selected low temp. oil
- Full flatted black oxide shafts
- U.L. and C.S.A. recognized thermal protection
- Consult Air Mars section of this catalog for fan blades & accessories

Specifications:

- Single phase, 60 Hertz
- 12 inch leads
- Thermally protected



09914
09915



09916
09917
09927

1550 Rpm – Mechanically Reversible

MARS NO.	HP	VOLTS	AMPS	ROT OLE	A	DIMENSIONS B	C
09914	1/70	115	.7	CW	2.50	2.34	1/4
09915	1/50	115	.8	CW	2.50	2.59	1/4
09916	1/30	115	1.2	CW	2.50	2.96	5/16
09917	1/20	115	1.9	CW	2.50	2.96	5/16
09927	1/20	208/230	1.0	CW	2.50	2.96	5/16

Cross Reference

A.O Smith	Fasco	Magnetek	RMR	MARS #
AO122, AO123	D120, D121	683, 14, 15	RR-1104	09914
AO124, AO125	D1134	18, 19	RR-1105	09915
AO126, AO127	D532, D181	28,29	RR-1106	09916
AO132, AO133	D132, D133	572, 574, 30, 31	RR-1107	09917
AO188, AO189	D188, D189	575	RR-4107	09927



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

Refrigeration Fan Motors - Shaded Pole

3.3 inch dia. MARS SERIES 099



MARS One-On-One™ 3.3 Inch Commercial Refrigeration Evaporator Fan And Blower Motors

These motors feature original OEM-type plugs, wiring harness and conduit box (where appropriate).

Features:

- Original OEM-type mounting
- Original OEM-type wiring
- Specially selected low temp oil
- Full flatted black oxide shafts

Specifications:

- Class B insulation
- Thermally protected

1550 RPM – Bohn Applications / With Lyall Plug

MARS NO.	HP	VOLTS	AMPS	ROT OLE	A	DIMENSIONS B	C
09930	1/20	115	2.0	CW	3	3	5/16
09931	1/15	230	1.1	CW	3	3.5	5/16
09938*	1/12	230	0.57	CW	2.6	4	5/16

1400 RPM – Broan Applications / With Molex Plug

MARS NO.	HP	VOLTS	AMPS	ROT OLE	A	DIMENSIONS B	C
09946*	1/50	115	0.78	CW	1.38	2.5	5/16

1400 RPM – Broan applications / with 115V plug

MARS NO.	HP	VOLTS	AMPS	ROT OLE	A	DIMENSIONS B	C
09945*	1/33	115	1.2	CCW	1.38	2.13	1/4

3000 RPM – Ice Machine applications

MARS NO.	HP	VOLTS	AMPS	ROT OLE	A	DIMENSIONS B	C
09947*	1/20	115/230	1.7/0.85	CCW	6.5	4.75	5/16

1500 RPM – Jenn-Aire applications

MARS NO.	HP	VOLTS	AMPS	ROT OLE	A	DIMENSIONS B	C
09948*	1/25	115	1.35	CW	1.8	3.1	5/16

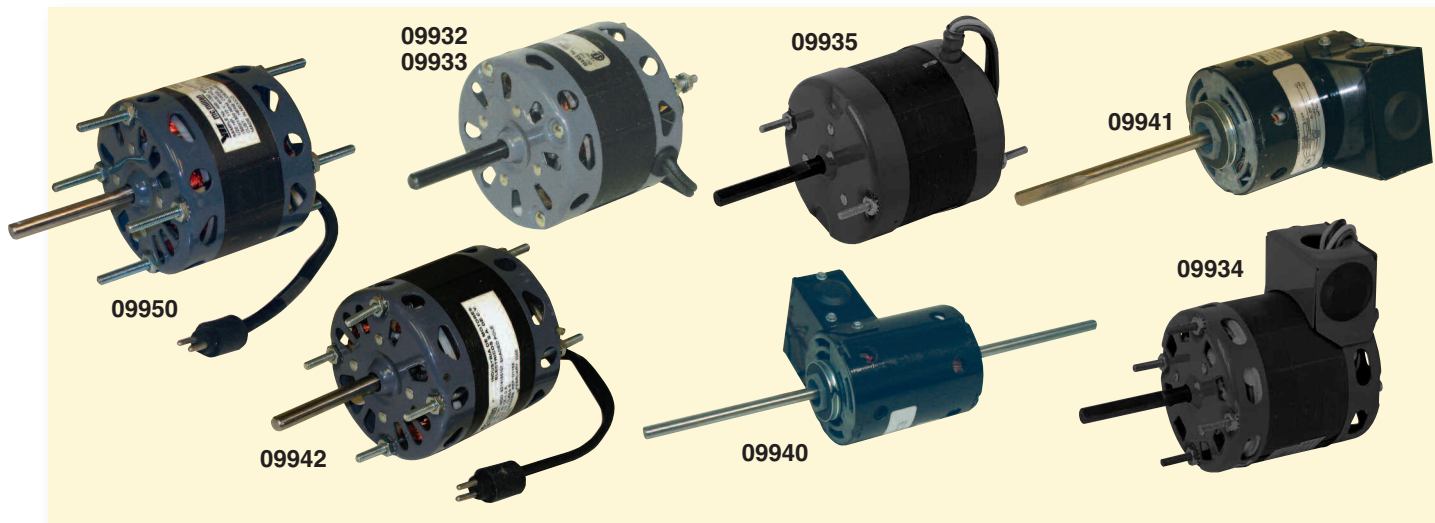
* Cross Reference on pages M-10 to M-11



Refrigeration Fan Motors - Shaded Pole

3.3 inch dia. MARS SERIES **099**

MARS



1500 RPM – Kramer-Trenton Applications / With Lyall Plug

MARS NO.	HP	VOLTS	AMPS	ROT OLE	A	DIMENSIONS B	C
09950*	1/20	115	2.1	CW	2.5	2.8	5/16

1550 RPM – Kramer-Trenton Applications / With Lyall Plug

MARS NO.	HP	VOLTS	AMPS	ROT OLE	A	DIMENSIONS B	C
09942*	1/20	230	1.0	CW	2.4	3.1	5/16

1550 RPM – Larkin Applications / With Lyall Plug

MARS NO.	HP	VOLTS	AMPS	ROT OLE	A	DIMENSIONS B	C
09932	1/20	115	1.9	CCW	2.25	2.75	5/16
09933	1/20	208/230	1.3	CCW	2.25	3	5/16

1000 RPM – McQuay Applications

MARS NO.	HP	VOLTS	AMPS	ROT OLE	A	DIMENSIONS B	C
09940*	1/15, 1/25, 1/35	115	1.7, 1.3, 1.0	CW	5.28	4.4	3/8

1200 RPM – McQuay Applications

MARS NO.	HP	VOLTS	AMPS	ROT OLE	A	DIMENSIONS B	C
09941*	1/25, 1/35, 1/65	115	1.2, 0.8, 0.4	CW	5.25	4.4	3/8

1550 RPM – McQuay Applications

MARS NO.	HP	VOLTS	AMPS	ROT OLE	A	DIMENSIONS B	C
09934*	1/15	115/230	2.35/1.16	CW	2.5	3.5	5/16
09939*	1/10, 1/12, 1/15	115	1.9, 1.3, 1.0	CW	5.25	4.4	3/8

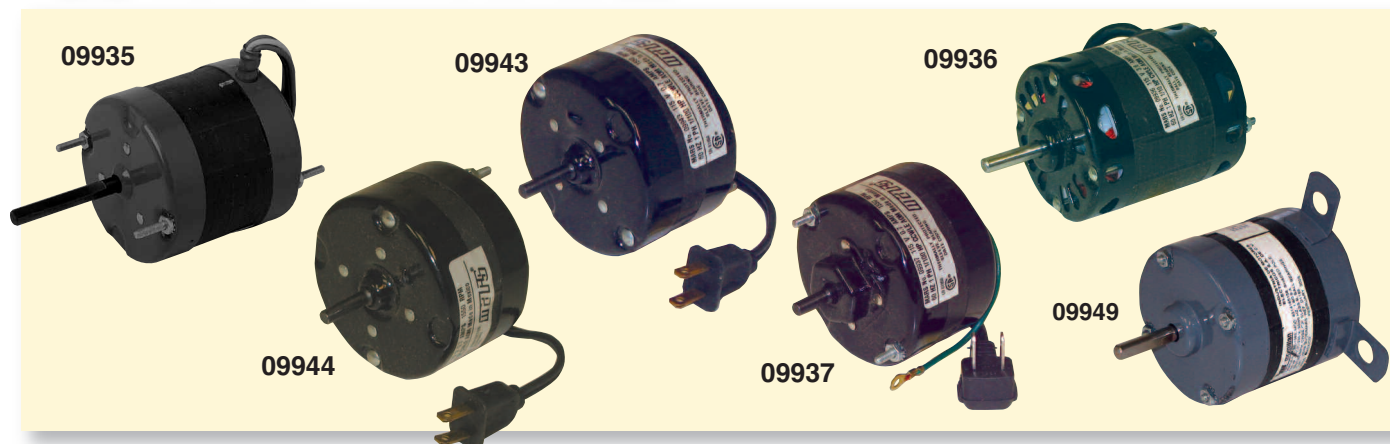
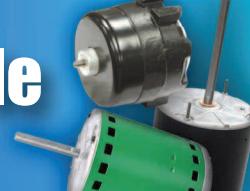
* Cross Reference on pages M-10 to M-11



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Refrigeration Fan Motors - Shaded Pole

3.3 inch dia. MARS SERIES 099



1550 RPM – Singer Applications

MARS NO.	HP	VOLTS	AMPS	ROT OLE	A	DIMENSIONS B	C
09935	1/25	115/230	1.53/1.79	CW	2.5	3.125	5/16

1550 RPM – Nutone Applications / With 115V Plug

MARS NO.	HP	VOLTS	AMPS	ROT OLE	A	DIMENSIONS B	C
09944*	1/100	115	0.7	CCW	1.2	2.1	1/4
09943*	1/100	115	0.7	CW	1.2	2.1	1/4
09937*	1/100	115	0.7	CCW	1.27	2.1	1/4

1550 RPM – Nutone Applications

MARS NO.	HP	VOLTS	AMPS	ROT OLE	A	DIMENSIONS B	C
09936*	1/10	115	3.15	CCW	1.5	3.7	5/16

1550/1300 RPM – Krack Applications

MARS NO.	HP	VOLTS	AMPS	ROT OLE	A	DIMENSIONS B	C
09949*	1/20	115/230	1.8/0.9	CW	1.6	3.2	5/16

* Cross Reference on pages M-10 to M-11

Cross Reference

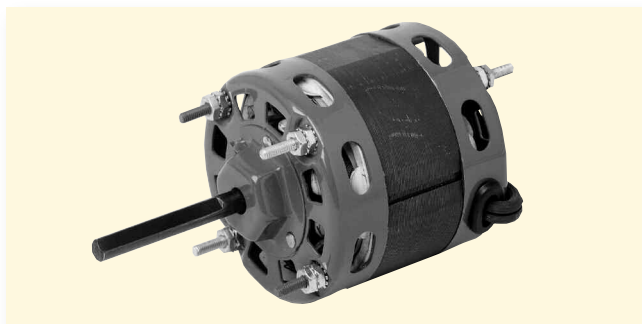
MARS	OEM	AOS/MAG	Fasco	Emerson	Hubbell
09936	NuTone	1107/621	D1107		S-1163
09937	NuTone	1109/509	D1109	9637	S-1145
09938	Bohn		D1125	9656	P-1089
09939	McQuay		D1140		P-1111
09940	McQuay		D1141		P-1112
09941	McQuay		D1144		P-1110
09942	Kramer	1154/396	D1154	9655	S-1142
09943	NuTone	540/692	D540	9638	S-1147
09944	NuTone	541/693	D541	9636	S-1053
09945	Broan	632			S-1166
09946	Broan	633			S-1162
09947	Ice Machine		D214		S-1143
09948	Jenn-Aire		D184		S-1148
09949	Krack		D1189		S-1141
09950	Kramer		D1152		S-1164



Refrigeration Fan Motors - Shaded Pole

3.3 inch dia. MARS SERIES **099**

MARS



**One-On-One 3.3 Inch
Commercial Refrigeration
Evaporator Fan and Blower
Motors**

MARS NO.	HP	VOLTS	AMPS	ROT (LE)	RPM
09936	1/10	115	3.8	CW	1550
09937	1/100	115	0.7	CW	1550
09938	1/12	208/230	0.6	CCW	1400
09939	1/10 1/12 1/15	115	1.9 1.3 1.0	CCW	1500
09940	1/15 1/25 1/35	115	1.7 1.3 1.0	CCW	1000
09941	1/25 1/35 1/65	115	1.2 0.8 0.4	CCW	1200
09942	1/20	208/230	1.0	CW	1550
09943	1/100	115	0.7	CCW	1550
09944	1/100	115	0.7	CW	1550
09945	1/33	115	1.2	CW	1550
09946	1/50	115	0.8	CCW	1400
09947	1/20	115/230	1.7 0.85	CW	3000
09948	1/25	115	1.4	CW	1550
09949	1/20	115/230	1.8 0.9	CW	1550
09950	1/20	115	2.1	CW	1500

Cross Reference

A.O Smith	Bohn	Fasco	Krack	Kramer	Larkin	Magnetek	Nutone	McQuay	Singer	MARS
AO1124	5KSM59JSK143S 5034LS, 5008SS	D1124	-	-	-	572	-	-	-	09930
AO1126	5KSM59S262AS 5034MS, 5008TS	D1126	-	-	-	573	-	-	-	09931
AO1101	-	D1101	-	-	253-1194	574	-	-	-	09932
AO1103	-	D1103	-	-	253-1195	575	-	-	-	09933
AO1142	-	D1142	-	-	-	342	-	879-382562B-00	-	09934
AO1164	-	D1164	-	-	-	-	-	-	JAZP091N	09935
AO1107	-	D1107	-	-	-	JAZP0901N	67176 32997	-	-	09936
AO1109	-	D1109	-	-	-	-	23405 23388	-	-	09937
-	7190-0442	D1125	-	-	-	-	-	-	-	09938
-	-	D1140	-	-	-	-	-	879-382564B-00	-	09939
-	-	D1141	-	-	-	-	-	879-382563B-00	-	09940
-	-	D1144	-	-	-	-	-	BA2H015	-	09941
AO1154	-	D1154	-	JA2R140N	-	-	-	-	-	09942
AO540	-	D540	-	-	-	-	3813	-	-	09943
AO541	-	D541	-	-	-	-	26750	-	-	09944
AO632	-	-	-	-	-	-	-	-	-	09945
AO633	-	-	-	-	-	-	-	-	-	09946
-	-	D214	-	-	-	-	-	-	-	09947
-	-	D184	-	-	-	-	-	-	-	09948
-	-	D1189	11528 11529	-	-	-	-	-	-	09949
-	-	D1152	-	5KSM59ES2001	-	-	-	-	-	09950

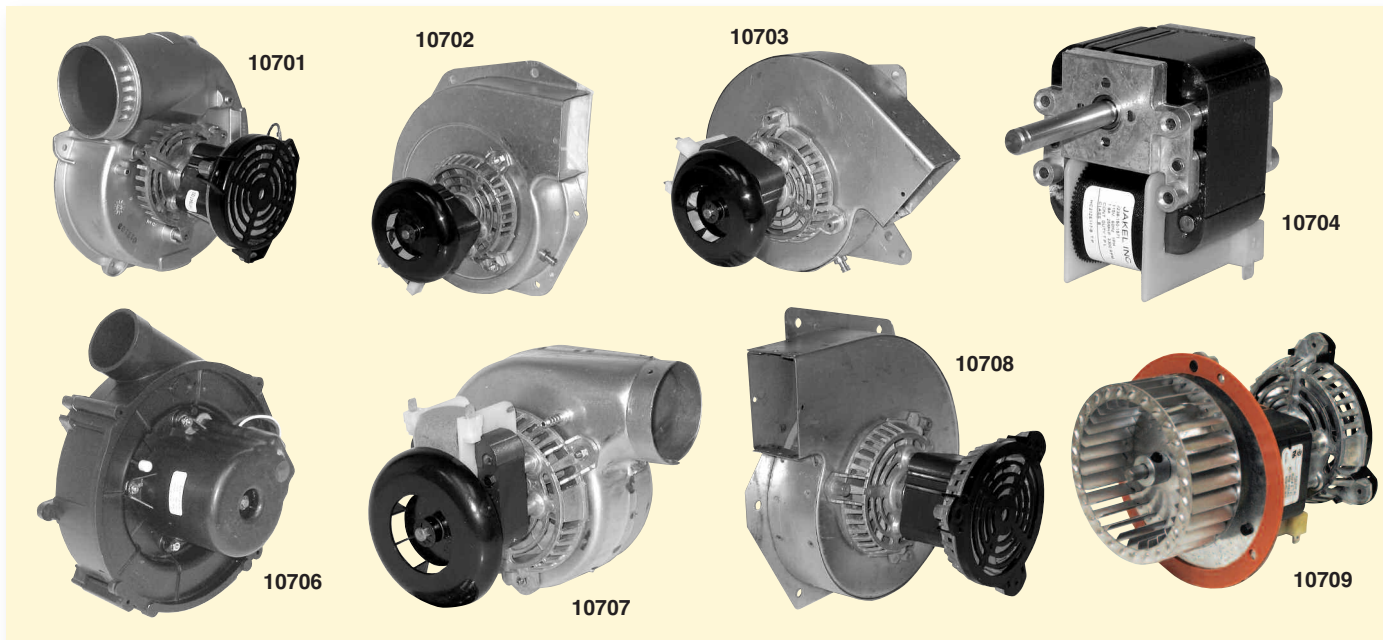
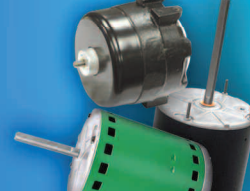


The largest selection of motors, components and accessories for the HVAC/R Industry

M-11

Specific Purpose Blowers

MARS SERIES **107**



MARS brand draft inducer blower assemblies are designed and manufactured to serve as drop-in, exact replacements in high efficiency furnaces.

Draft Inducer Blowers For High Efficiency Furnaces

Specifications:

- C-Frame
- 60 Hz
- single speed

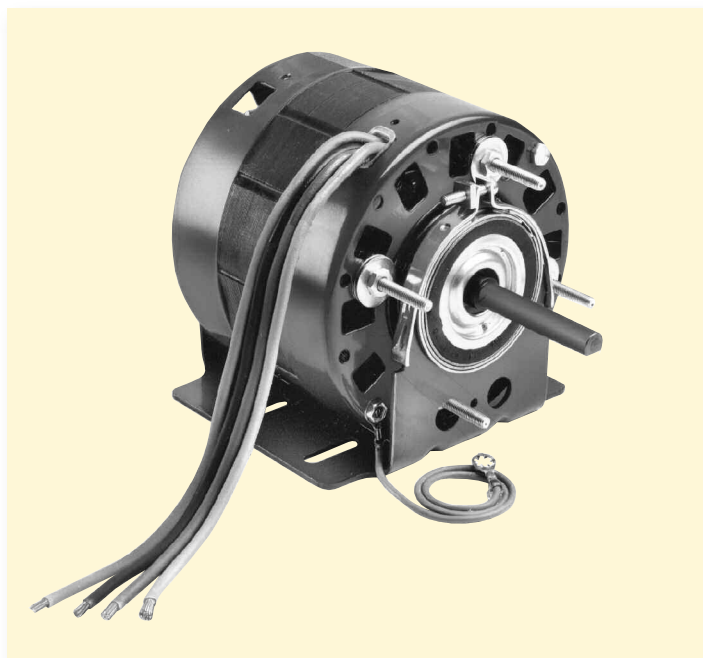
MARS NO.	OEM	OEM NO.	APPLICATION	VOLTS	AMP	RPM	BEARING TYPE
10701	Rheem	70-24157-03	80+ furnace	120	1.71	3400	ball bearing
10702	Goodman	B40590-00	80+ furnace	115	1.40	3000	sleeve bearing
10703	Goodman	B18590-05	80+ furnace	115	1.40	—	ball bearing
10704	Carrier	HC21ZE117	80+ furnace	115	1.80	—	ball bearing
10709	Carrier	HC24HE230	80+ furnace	208/230	1.00	—	ball bearing
10706	ICP	1014338	90+ furnace	115	2.40	3000	ball bearing
10707	Lennox	88K8401	80+ furnace	120	1.30	3000	ball bearing
10708	Trane	787P01	80+ furnace	120	1.00	3000	ball bearing



Refrigeration Fan Motors - Shaded Pole

5 inch dia. MARS SERIES **106**

MARS



MARS 21/29 Frame Commercial Refrigeration Replacement Motors

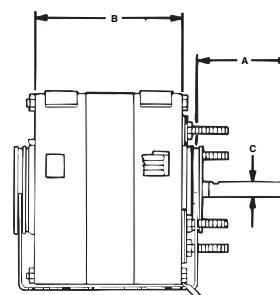
MARS brand 21/29 frame refrigeration replacement motors have been designed to provide the contractor with tremendous versatility. Dual voltage and mechanical reversibility make these ideal truck stock for today's busy refrigeration contractor. 1050 RPM and 1550 RPM models are available.

Features:

- 115/208-230 volt
- Simple mechanical reversibility, lead exit provided at both ends
- Extended studs with double nuts
- Mounting washers included
- All angle sleeve bearings
- 2 1/4 inch resilient rings for base mounting
- CCW (lead end) rotation as factory assembled
- Base and clamps included

Specifications:

- single phase, 50/60 Hertz
- automatic thermal overload protection
- 30" color coded leads
- 3/8" shaft diameter with 1/2" adapter included



Functional Equivalent to:			
	10609	10611	10615
GE	2121/2122 2113	2331/2332 2341/2342	2131/2132 2141/2142 2231/2232 2241/2242
Magnetek/ Univ	608/609	610/611	614/615 612/613
Fasco	D490/D491	D484/D485	D480/D481 D482/D483
A.O.Smith	RF6402/RF6403		326P118/326P119 RF4400/RF4401
Emerson	F1471	F1468	F1469 F1470

1050 RPM – Mechanically Reversible

MARS NO.	HP	VOLTS	LE ROT	F.L.A. 115/208-230V	A	DIMENSIONS B	C
10609	1/10	115/230	CCW	4.0/2.0	2.25	4.92	3/8

1550 RPM – Mechanically Reversible

MARS NO.	HP	VOLTS	LE ROT	F.L.A. 115/208-230V	A	DIMENSIONS B	C
10611	1/20	115/230	CCW	3.8/1.9	2.25	4.92	3/8
10615	1/10	115/230	CCW	4.0/2.0	2.25	4.92	3/8

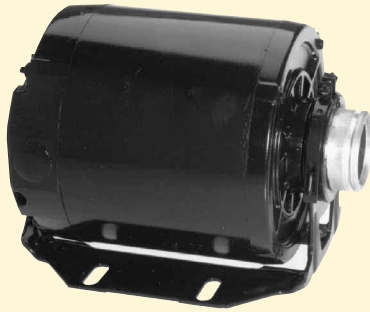


The largest selection of motors, components and accessories for the HVAC/R Industry

M-13

Carbonator Pump Motors

5½ inch dia. MARS SERIES **108**



MARS Carbonator And Specialty Pump Motors

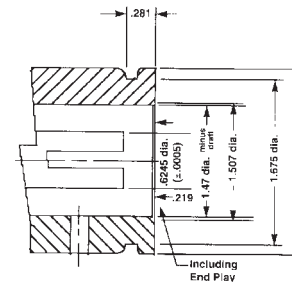
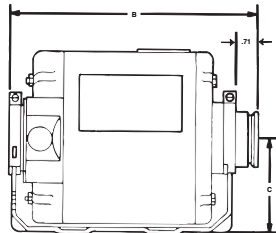
MARS specialty pump motors are designed for use on carbonator pumps and other positive displacement pump applications. These motors are ideally suited for use in dispensing equipment, closed loop process temperature control and water purification equipment.

Features:

- Heavy duty sleeve bearings
- Resilient base
- Unique start winding switch design

Specifications:

- Single phase
- 60 Hertz and 50/60 Hertz models
- Overload protected
- Continuous duty
- 40°C ambient
- 1/4, 1/3, 1/2 HP models



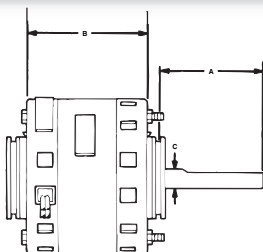
1725 RPM - Single Speed

MARS NO.	HP	VOLTS	HZ.	AMPS	SF	DIMENSIONS		FRAME
						B	C	
10842*	1/3	115	60	6.2	1.0	8.57	3.0	48Y
10844*	1/3	115/230	50/60	4.6/2.3	1.0	8.57	3.0	48Y
10845*	1/2	115/230	50/60	6.8/3.4	1.0	9.07	3.0	48Y

* Limited quantities available, while supplies last.

Direct Drive Blower Motors - Shaded Pole

5 inch dia. MARS SERIES **108**



MARS Shaded Pole Direct Drive Furnace Blower Motors

MARS shaded pole direct drive furnace blower motors are excellent, economic choices for a wide variety of direct drive blower applications. These class "B" insulated motors will provide long life and quiet operation.

Features:

- Sleeve bearings
- Resilient ring mounting
- Extended studs
- CCW lead end rotation
- NEMA 42 (29) frame
- All angle mounting

Specifications:

- Automatic thermal overload protection
- Class "B" insulation
- 60 Hertz
- Fan duty continuous air over
- U.L. and C.S.A. approved

1050 RPM - Three Speed

MARS NO.	HP	VOLTS	AMPS	ROT OSE	DIMENSIONS		
					A	B	C
10809	1/8	115	5.8	CCW	3.12	4.42	1/2
10810	1/5	115	6.5	CCW	4.75	5.17	1/2



Fan Coil Motors - Shaded Pole

5 inch dia. MARS SERIES **108**

MARS fan coil replacement motor

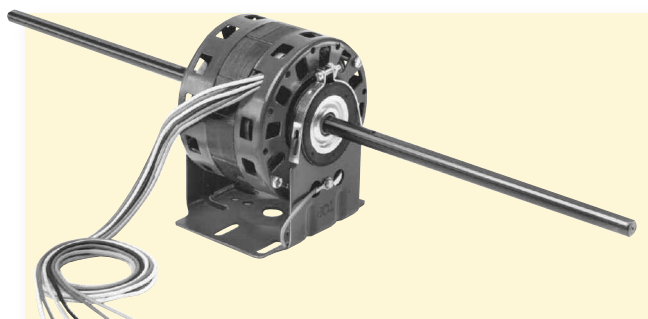
The MARS fan coil replacement motor, with removable resilient mounting base is used for a wide range of dual blower wheel fan/coil assemblies. This motor is especially suited for P-TACs (package terminal air conditioning). The 10889 replaces a large number of OEM designs.

Features:

- Thermal protection
- Includes resilient mounting base
- Includes female 1/4" spade terminals
- Quiet sleeve bearings

Specifications:

- Single phase, 60 Hertz
- Fan duty continuous air over
- Open enclosure



Cross Reference:

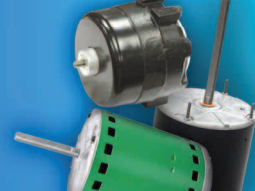
REPLACES		MARS NO.
A.O. Smith	DBL6409	10889
Fasco	D289	10889
GE	2089	10889
Magnetek/UE	89	10889

1050 RPM - Five Speed

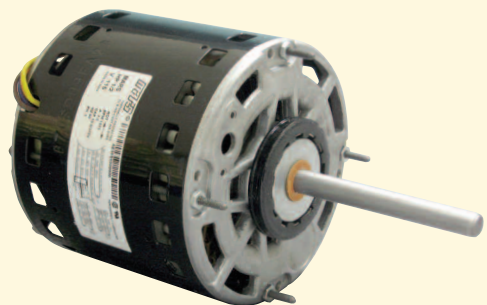
MARS NO.	HP	VOLTS	AMPS	ROT LE	A	DIMENSIONS		
						B	C	D
10889	1/10	115	3.5	CCW	10.3	3.34	10.3	1/2

Direct Drive Blower Motors

5½ inch dia. MARS SERIES **112**



MARS



Direct Drive Furnace Blower Motors

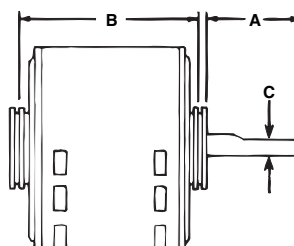
MARS direct drive furnace blower motors are three speed standard efficiency models. All models are electrically reversible and include 2 1/4 inch resilient rings for base mounting. These models have all angle sleeve bearings and have open air over enclosures. All MARS Brand Motors feature Rheem shell mounting holes.

Features:

- All angle sleeve bearings
- 3 speeds
- 1/2 inch extended thru bolts
- 2 1/4 inch resilient rings
- Reversible rotation
- 4 inch long, 1/2 inch diameter shaft
- For accessories see pages M-112 to M-114

Specifications:

- Single phase, 60 Hertz
- Overload protection
- Fan duty, continuous, air over
- Open construction
- 26 inch leads
- Class B insulation



Cross Reference

MARS #	GE	AO Smith	Emerson	Fasco	Marathon	Wagner	Packard	YORK Source 1	Rheem/Ruud Prostock	Carrier/Totaline RCD	Nordyne Partner's Choice
10583	3583	DL1026	1863	D721	X000	WG840583	43583	S1-FHM3583	51-24435-83	P257-8583	01-0169
10584	3584	D1026	1971	D725	X001	WG840584	43584	S1-FHM3584	51-24435-84	P257-8584	01-0173
10585	3585	DL1036	1864	D727	X002	WG840585	43585	S1-FHM3585	51-24435-85	P257-8585	01-0170
10586	3586	D1036	1972	D923	X003	WG840586	43586	S1-FHM3586	51-24435-86	P257-8586	01-0174
10587	3587	DL1056	1865	D701	X004	WG840587	43587	S1-FHM3587	51-24435-87	P257-8587	01-0171
10588	3588	D1056	1973	D703	X005	WG840588	43588	S1-FHM3588	51-24435-88	P257-8588	01-0175
10589	3589	DL1076	8904	D728	X009	WG840589	43589	S1-FHM3589	51-24435-89	P257-8589	01-0172
10590	3590	D1076	8905	D729	X010	WG840590	43590	S1-FHM3590	51-24435-90	P257-8590	01-0176

1075 RPM - Three Speed

MARS NO.	HP	ROT	Voltage	Amps	Cap Required	Encl.	Brg.	DIMENSIONS			Lead Lengths
								A	B	C	
10583	1/4	Rev	115	4.2	5/370	OAO	Slv	4.00	4.89	1/2	26"
10584	1/4	Rev	208-230	1.8	5/370	OAO	Slv	4.00	4.89	1/2	26"
10585	1/3	Rev	115	6.1	5/370	OAO	Slv	4.00	5.14	1/2	30"
10586	1/3	Rev	208-230	2.7	5/370	OAO	Slv	4.00	5.14	1/2	26"
10587	1/2	Rev	115	7.5	10/370	OAO	Slv	4.00	5.89	1/2	29.33"
10588	1/2	Rev	208-230	3.2	7.5/370	OAO	Slv	4.00	5.64	1/2	29"
10589	3/4	Rev	115	11.2	15/370	OAO	Slv	4.00	6.14	1/2	30.25"
10590	3/4	Rev	208-230	4.5	10/370	OAO	Slv	4.00	6.14	1/2	30.25"

Condenser Fan Motors - Single Phase - PSC

5 1/2 inch dia. MARS SERIES 100

MARS

MARS

60°C



Outdoor Condenser Fan Motors

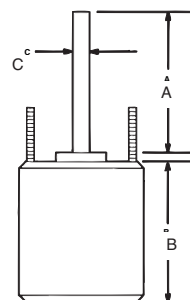
MARS up/down outdoor condenser fan motors are designed for either vertical shaft-up or shaft-down applications. Shell and end shields are enclosed for weather protection. A weep hole is provided in each end shield to allow condensate to drain. All of these motors are suitable for air conditioning or heat pump applications. All MARS Brand Motors feature Rheem shell mounting holes.

Features:

- Reversible rotation
- Thru bolt or band mounting
- Water slinger on shaft
- Serrated end caps on vertical shaft-up models
- Full six inch shaft length
- Up/down design
- All angle sleeve or ball bearings
- Double full flattened shaft

Specifications:

- Class B insulation
- Single phase, 60 Hertz
- Automatic thermal overload protected
- Fan duty, continuous, air over
- 26 inch leads



Cross Reference

MARS #	GE	AO Smith	Emerson	Fasco	Marathon	Wagner	Packard	YORK Source 1	Rheem/Ruud Prostock	Carrier/Totaline RCD	Nordyne Partner's Choice
10727	3727	FSE1016S	1859	D917	X411	WG840727	43727	S1-FHM3727	51-24437-27	P257-8727	01-0160
10728	3728	FSE1026S	1860	D909	X412	WG840728	43728	S1-FHM3728	51-24437-28	P257-8728	01-0161
10729	3729	FSE1036S	1861	D908	X413	WG840729	43729	S1-FHM3729	51-24437-29	P257-8729	01-0162
10730	3730	FSE1056S	1862	D907	X414	WG840730	43730	S1-FHM3730	51-24437-30	P257-8730	01-0163
10731	3731	FSE1076S	1868	D933		WG840731	43731	S1-FHM3731	51-24437-31	P257-8731	01-0164
10403	3403	FSE1018SF	1873	D798	X465		60825				0165
10404	3404	FSE1028SF	1874	D934		WG840204	40825	S1-FHM3204			0166
10405	3405	FSE1038SF	1875	D796	X451	WG840205	30825	S1-FHM3205		P257-8026	0167
10746	3746	FSE1058SF	1870	D713	X452						0168

1075 RPM - Single Speed

MARS NO.	HP	ROT	Voltage	Amps	Cap Required	Encl.	Brg.	A	B	C	Lead Lengths
10727	1/6	Rev	208-230	1.0	5/370	TEAO	Sleeve	6.00	4.23	1/2	26"
10728	1/4	Rev	208-230	1.8	5/370	TEAO	Sleeve	6.00	4.23	1/2	26"
10729	1/3	Rev	208-230	2.4	7.5/370	TEAO	Sleeve	6.00	5.23	1/2	26"
10730	1/2	Rev	208-230	3.5	10/370	TEAO	Sleeve	6.41	5.73	1/2	26"
10731	3/4	Rev	208-230	4.7	10/370	TEAO	Ball	6.00	6.23	1/2	30.5"

825 RPM - Single Speed

MARS NO.	HP	ROT	Voltage	Amps	Cap Required	Encl.	Brg.	A	B	C	Lead Lengths
10403	1/6	Rev	208-230	1.0	5/370	TEAO	Sleeve	6.00	4.23	1/2	36"
10404	1/4	Rev	208-230	2.2	5/370	TEAO	Sleeve	5.75	4.48	1/2	36"
10405	1/3	Rev	208-230	1.9	7.5/370	TEAO	Sleeve	6.00	5.23	1/2	36"
10746	1/2	Rev	208-230	2.8	7.5/370	TEAO	Sleeve	5.92	6.23	1/2	36"

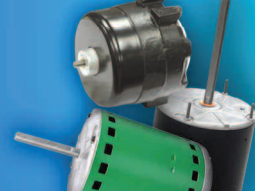
MARS

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

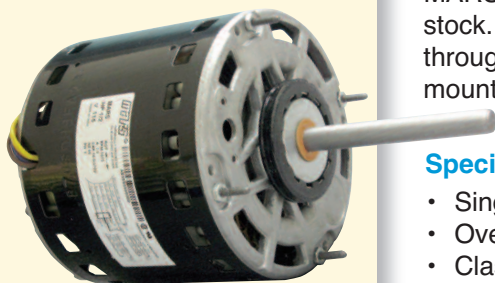
M-17

Multi-Horsepower Motors

5½ inch dia. MARS SERIES **113**



MARS



Multi-Horsepower Direct Drive Furnace Blower Motors

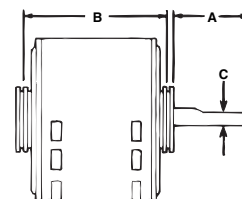
MARS Brand multi-horsepower direct drive blower motors are ideal for truck stock. Four models cover both 115 volt and 208-230 volt applications from 1/6 through 3/4 HP. All MARS brand multi-horsepower motors feature Rheem shell mounting holes.

Specifications:

- Single phase, 60 Hz
- Overload protection
- Class B insulation

Features:

- 2-1/2 inch resilient rings
- Reversible rotation



Cross Reference

MARS #	GE	AO Smith	Emerson	Fasco	Marathon	Wagner	YORK Source 1	Rheem/Ruud Prostock	Carrier/Totaline RCD
10463	3463	FDL6001	5460	D2835	X077	WG840463	S1-FHM3463	51-23012-41	P257-E5461
10464	3464	FD6000	5461	D833	X073	WG840464	S1-FHM3464	51-23022-41	P257-E5460
10466	3466	FDL6002	5470	D2832	X074	WG840466	S1-FHM3466		P257-E5471
10467	3467	FD6001	5471	D2833	X075	WG840467	S1-FHM3467		P257-E5470

1075 RPM - Four Speed

MARS NO.	HP	ROT	Voltage	Encl.	Brg.	A	B	C	Lead Lengths
10463	1/6 - 1/2	Rev	115	OA0	Slv	5.00	4.73	1/2	41.53"
10464	1/6 - 1/2	Rev	230	OA0	Slv	5.00	4.73	1/2	41"
10466	1/5 - 3/4	Rev	115	OA0	Ball	5.25	5.73	1/2	41"
10467	1/5 - 3/4	Rev	230	OA0	Ball	5.00	5.23	1/2	40.75"

MARS



Multi-Horsepower Condenser Fan Motors

MARS Brand multi-horsepower condenser fan motors are ideal for truck stock. Three 1075 RPM models cover 208-230 volt applications from 1/6 to 1/2 HP.

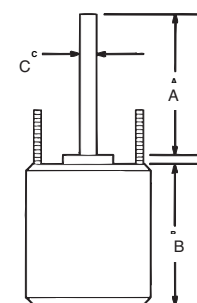
All MARS brand multi-horsepower motors feature Rheem shell mounting holes.

Specifications:

- Single phase, 60 Hz
- Overload protection
- Class B insulation

Features:

- Thru bolt or band mounting
- Water slinger on shaft
- Air conditioning or heat pump duty



Cross Reference

MARS #	GE	AO Smith	Emerson	Fasco	Marathon	Wagner	YORK Source 1	Rheem/Ruud Prostock	Carrier/Totaline RCD
10458	3458	ORM5458	5458						
10459	3459	ORM5488B	5464						
10465	3465	FE6000	5462	D2827	X072	WG840465	S1-FHM3465	51-20354-11	P257-E5462
10468	3468	FE6002	5465		X076	WG840468	S1-FHM3468		P257-E5465
10469	3469	FE6001	5464	D2826		WG840469	S1-FHM3469	51-20760-11	P257-E5464

MARS NO.	HP	ROT	RPM/Sp.	Voltage	Encl.	Brg.	A	B	C	Lead Lengths
The Wiz 10458	1/6 - 1/3	Rev	1075	208-230	TEAO	Ball	6.50	3.82	1/2	36"
10459	1/8 - 1/3	Rev	825	208-230	TEAO	Ball	6.50	5.48	1/2	36"
10465	1/6 - 1/3	Rev	1075/2	208-230	TEAO	Ball	5.00	4.73	1/2	38"
10468	1/5 - 1/2	Rev	1075/2	208-230	TEAO	Ball	5.00	5.48	1/2	38"
10469	1/6 - 1/3	Rev	825/2	208-230	TEAO	Ball	5.00	5.48	1/2	42"



Multi-Horsepower Motors

5½ inch dia. MARS SERIES **113**

MARS

Multi-Horsepower Capacitor & Speed Tap Configuration

All multi-horsepower motors include Rheem shell mounting holes.

MARS Motor #10463 Direct Drive Blower Motor

Motor HP	Speed to Use	Capacitor	MARS Capacitor #	FLA
1/2	All Speeds	15/370	12010 or 12910	6.2
1/3	All Speeds	5/370 or 7.5/370*	12005 or 12905 or 12007 or 12907*	6.1
1/4	Med-Hi or Med-Lo:Lo	5/370 or 7.5/370*	12005 or 12905 or 12007 or 12907*	4.4
1/5	Med-Lo:Lo	5/370 or 7.5/370*	12005 or 12905 or 12007 or 12907*	3.2
1/6	Lo	5/370 or 7.5/370*	12005 or 12905 or 12007 or 12907*	2.4

* using a 7.5 mfd capacitor will result in approx. 10% stronger motor

MARS Motor #10464 Direct Drive Blower Motor

Motor HP	Speed to Use	Capacitor	MARS Capacitor #	FLA
1/2	All Speeds	10/370	12008 or 12908	2.7
1/3	All Speeds	5/370 or 7.5/370*	12005 or 12905 or 12007 or 12907*	2.6
1/4	Med-Hi or Med-Lo:Lo	5/370 or 7.5/370*	12005 or 12905 or 12007 or 12907*	1.9
1/5	Med-Lo:Lo	5/370 or 7.5/370*	12005 or 12905 or 12007 or 12907*	1.4
1/6	Lo	5/370 or 7.5/370*	12005 or 12905 or 12007 or 12907*	1.1

* using a 7.5 mfd capacitor will result in approx. 10% stronger motor

MARS Motor #10466 & 10467 Direct Drive Blower Motor

Motor HP	Speed to Use	Capacitor	MARS Capacitor #	FLA #10466	FLA #10467
3/4	All Speeds	20/370	12014 or 12914	8.5	4.2
1/2	All Speeds	10/370	12008 or 12908	8.3	3.8
1/3	Med-Hi or Med-Lo:Lo	10/370	12008 or 12908	4.6	2.3
1/4	Med-Lo:Lo	10/370	12008 or 12908	3.4	1.9
1/5	Lo	10/370	12008 or 12908	2.7	1.5

MARS Motor #10465 Condenser Fan Motor

Motor HP	Speed to Use	208V	MARS Capacitor #	230V	MARS Capacitor #	FLA
1/3	Hi	7.5/370	12007 or 12907	5/370	12005 or 12905	2.6
1/4	Hi	7.5/370	12007 or 12907	5/370	12005 or 12905	2.5
1/5	Lo	7.5/370	12007 or 12907	5/370	12005 or 12905	2.0
1/6	Lo	7.5/370	12007 or 12907	5/370	12005 or 12905	1.8

MARS Motor #10468 Condenser Fan Motor

Motor HP	Speed to Use	208V	MARS Capacitor #	230V	MARS Capacitor #	FLA
1/2	Hi	12.5/370	12009 or 12909	10/370	12008 or 12908	3.0
1/3	Hi	12.5/370	12009 or 12909	10/370	12008 or 12908	2.2
1/4	Lo	12.5/370	12009 or 12909	10/370	12008 or 12908	1.6
1/5	Lo	12.5/370	12009 or 12909	10/370	12008 or 12908	1.3

MARS Motor #10469 Condenser Fan Motor

Motor HP	Speed to Use	208V	MARS Capacitor #	230V	MARS Capacitor #	FLA
1/3	Hi	10/370	12008 or 12908	7.5/370	12007 or 12907	1.9
1/4	Hi	10/370	12008 or 12908	7.5/370	12007 or 12907	1.5
1/5	Lo	10/370	12008 or 12908	7.5/370	12007 or 12907	1.2
1/6	Lo	10/370	12008 or 12908	7.5/370	12007 or 12907	1.0

The Wiz MARS Motor #10458 Multi-HP Condenser Fan Motor

Motor HP	Speed to Use	208V	MARS Capacitor #	230V	MARS Capacitor #	FLA
1/3	Hi	7.5/370	12007 or 12907	7.5/370	12007 or 12907	2.8
1/4	Hi	7.5/370	12007 or 12907	7.5/370	12007 or 12907	2.2
1/5	Hi	7.5/370	12007 or 12907	7.5/370	12007 or 12907	1.9
1/6	Hi	7.5/370	12007 or 12907	7.5/370	12007 or 12907	1.7

The Wiz MARS Motor #10459 Multi-HP Condenser Fan Motor

Motor HP	Speed to Use	208V	MARS Capacitor #	230V	MARS Capacitor #	FLA
1/3	Hi	10/370	12008 or 12908	10/370	12008 or 12908	1.9
1/4	Hi	10/370	12008 or 12908	10/370	12008 or 12908	1.6
1/5	Hi	10/370	12008 or 12908	10/370	12008 or 12908	1.4
1/6	Hi	10/370	12008 or 12908	10/370	12008 or 12908	1.2
1/8	Hi	10/370	12008 or 12908	10/370	12008 or 12908	1.0

DIRECT DRIVE

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