



MARS Motors

Replacement
Fractional Horsepower Motors
for the HVAC/R Industry



AZURE™
Digi-Motor®

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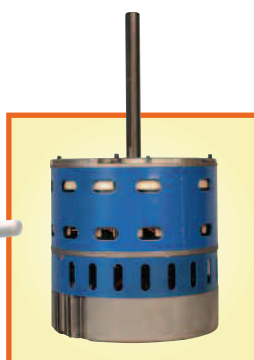
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MARS Technical Help Line

800-678-9888

M-F 8 am – 5 pm EST.



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Azure™ Digi-Motor®

Ball Bearing

The Azure™ Digi-Motor® from MARS is a high efficiency variable speed direct drive blower motor for a multitude of applications. Azure™ is a replacement for both standard PSC and Genteq X-13 motors. Two motors cover ratings from 1/5HP to 1HP at 115V or 230V and CW or CCW.

Azure™ features an auto sizing learn mode. In start-up learn mode, Azure™ runs for approximately 90 seconds measuring the external static pressure of the system application. Azure™ then assigns torque values to each of its five speed taps essentially self-programming itself to the correct HP for the application.

If none of the five speeds provides perfect airflow, an optional (MARS No. 08501) PWM variable speed controller can be added to the motor. This controller provides 2 speed pots (one for Heat and one for Cool) that allow the motor to be set at any speed from 350 RPM to 1400 RPM for perfect comfort.

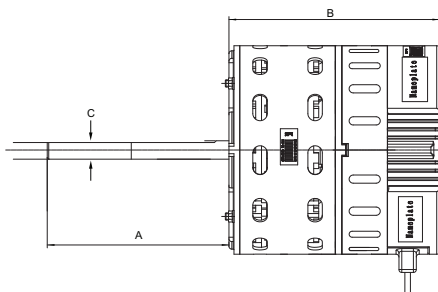
Unlike other electronically commutated motors, an outboard surge protector is included within the Azure™'s wire harness. This is a replaceable device (MARS No. 08591).

Features:

- Outboard replaceable surge protector
- Variable speed PWM (with use of MARS No. 08501)
- 600 RPM constant fan mode
- Reversible rotation
- High efficiency 85%
- Multi-horsepower
- Dual voltage
- 5 Speeds
- Belly band mount

Specifications:

- Class "B" insulation
- 48 Frame
- Thermal overload protected
- Operating Temperature Range: -20°C to 55°C (-4°F to 131°F)
- UL and CSA recognized



Cross Reference to Competitive ECM Products

MARS No.	Century/AO Smith	US Motors/Emerson	GE/Genteq
10800	CS1056, CSL1056	5522ET, 5532ET, 5542ET (1/3 HP & 1/2 HP), 5552ET (1/2 HP)	6001, 6002, 6005, 6103E, 6203E, 6105E, 6205E
10801	CS1106, CSL1106	5552ET, 5542ET (3/4 HP)	6003, 6004, 6010, 6107E, 6207E, 6110E, 6210E

350 RPM to 1400 RPM Operating Range* – Ball Bearing

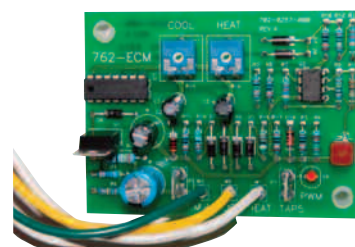
MARS NO.	HP	VOLTS	AMPS 120V/230V	RPM	ROTATION	DIMENSIONS		
						A	B	C
NEW 10800	1/5-1/2	115/230	6.4/3.8	1050	Rev	4.93	5.72	1/2
NEW 10801	1/2-1	115/230	11.5/7.0	1050	Rev	4.93	6.66	1/2

* with optional Azure™ PWM Variable Speed Controller

Accessories for Azure™ Digi-Motors®

MARS NO.	DESCRIPTION
08501	Azure™ PWM Variable Speed Controller
08590	Replacement Wire Harness
08591	Replacement Surge Protector
08592	Replacement Jumpers for Rotation/Voltage

08501



Condenser Fan Motors - Single Phase - PSC

5½ inch dia. MARS SERIES **100**

MARS

60°C



Outdoor Condenser Fan Motors

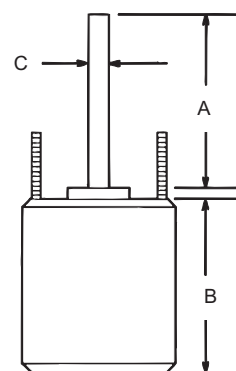
MARS up/down outdoor condenser fan motors are designed for either vertical shaft-up or shaft-down applications. Shell and end shields are enclosed for weather protection. A weep hole is provided in each end shield to allow condensate to drain. All of these motors are suitable for air conditioning or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

Features:

- All angle, sleeve or ball bearing
- Rheem mounting holes w/screws installed
- Reversible rotation
- Water slinger on shaft
- Thru bolt or band mounting
- Capacitor requirement noted on motor label
- Up/down design
- Double full flattened shaft

Specifications:

- Class "B" insulation
- Single phase, 60 Hertz
- Thermal overload protected
- Fan duty, continuous, air over
- 26 & 36 inch leads



Cross Reference

MARS No.	GE/ Genteq	Century/ AO Smith	US Motors/ Emerson	Fasco	Marathon	Wagner	Packard	YORK Source 1	Rheem/Ruud Protech	Carrier/Totaline RCD	Nordyne Partner's Choice	ROTOM
10727	3727	FSE1016S	1859	D917	X411	WG840727	43727	S1-FHM3727	W51-16CJA1-01	P257-8727	01-0160	
10728	3728	FSE1026S	1860	D909	X412	WG840728	43728	S1-FHM3728	W51-14CJA1-01	P257-8728	01-0161	
10729	3729	FSE1036S	1861	D908	X413	WG840729	43729	S1-FHM3729	W51-13CJA1-01	P257-8729	01-0162	
10730	3730	FSE1056S	1862	D907	X414	WG840730	43730	S1-FHM3730	W51-12CJA1-01	P257-8730	01-0163	
10731	3731	FSE1076S	1868	D933		WG840731	43731	S1-FHM3731	51-42534-19	P257-8731	01-0164	
10403	3403	FSE1018SF	1873	D798	X465		60825		51-23055-12		0165	
10404	3404	FSE1028SF	1874	D934		WG840204	40825	S1-FHM3204	51-23054-13		0166	R22445
10405	3405	FSE1038SF	1875	D796	X451	WG840205	30825	S1-FHM3205		P257-8026	0167	R22345
10746	3746	FSE1058SF	1870	D713	X452						0168	R22245

Reversible Rotation - Single Speed

MARS NO.	HP	VOLTS	AMPS	CAP REQUIRED	ENCL.	BRG.	DIMENSIONS			LEAD LENGTHS
							A	B	C	

1075 RPM

10727	1/6	208-230	0.90	5/370	TEAO	Sleeve	6.50	4.23	1/2	26"
10728	1/4	208-230	1.8	5/370	TEAO	Sleeve	6.50	4.23	1/2	26"
10729	1/3	208-230	2.4	7.5/370	TEAO	Sleeve	6.50	5.23	1/2	26"
10730	1/2	208-230	3.5	10/370	TEAO	Sleeve	6.50	5.73	1/2	26"
10731	3/4	208-230	5.2	10/370	TEAO	Ball	6.50	6.23	1/2	30.5"

825 RPM

10403	1/6	208-230	1.0	5/370	TEAO	Sleeve	6.50	4.23	1/2	36"
10404	1/4	208-230	2.2	5/370	TEAO	Sleeve	6.50	4.48	1/2	36"
10405	1/3	208-230	1.9	7.5/370	TEAO	Sleeve	6.50	5.23	1/2	36"
10746	1/2	208-230	2.8	12.5/370	TEAO	Sleeve	6.50	5.70	1/2	36"

Condenser Fan Motors – Single Phase – PSC

5½ inch dia. MARS SERIES **100 & 202**

MARS



60°C

Outdoor Condenser Fan Motors

Ball Bearing

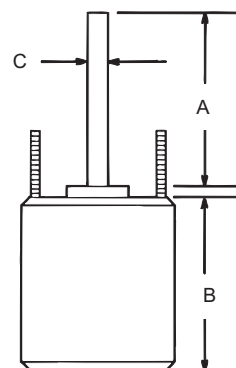
MARS up/down outdoor condenser fan motors are designed for either vertical shaft-up or shaft-down applications. Shell and end shields are enclosed for weather protection. A weep hole is provided in each end shield to allow condensate to drain. All of these motors are suitable for air conditioning or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

Features:

- All angle, ball bearing
- Rheem mounting holes w/screws installed
- Reversible rotation
- Water slinger on shaft
- Thru-bolt or band mounting
- Capacitor requirement noted on motor label
- Extra set of nuts & star washers on mounting studs
- Double full flatted shaft

Specifications:

- Class "B" insulation
- Single phase, 60 hertz
- Thermal overload protected
- Totally enclosed non-ventilated
- 36 inch leads



Cross Reference

MARS No.	GE/Genteq	Fasco	Marathon	Century/AO Smith	US Motors/ Emerson	Packard	York Source 1	ROTOM
10203	3203	D793	X465					
10204	3204		X450		1874	40825	S1-FHM3204	CF-814
10205	3205		X451		1875	30825	S1-FHM3205	CF-813
10732	3726		X427		2246			CF-3726
10733	3732	D7909	X428	F1026S, FE1026SF, FSE1026SV1	1876	51876		CF-3732
10734	3733	D7908	X413	F1036S, FE1036S	1877	51877		CF-3733
10735	3734		X414	F1056S, FE1056SF	1878	51878		CF-3734
10736	3735		X469	F1076SF, FS1076S	1879	51879		CF-3735
10747	3736		X452	F1058				

Reversible Rotation – Ball Bearing

MARS NO.	HP	VOLTS	AMPS	RPM	CAP REQUIRED	A	DIMENSIONS B	C
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1075 RPM

10732	1/6	208-230	0.90	1075	5/370	6.50	4.13	1/2
10733	1/4	208-230	1.8	1075	5/370	6.50	4.25	1/2
10734	1/3	208-230	2.4	1075	7.5/370	6.50	5.10	1/2
10735	1/2	208-230	3.5	1075	10/370	6.50	5.70	1/2
10736	3/4	208-230	5.2	1075	10/370	6.50	5.11	1/2

825 RPM

10203	1/6	208-230	1.0	825	5/370	5.50	4.10	1/2
10204	1/4	208-230	2.2	825	5/370	5.50	4.40	1/2
10205	1/3	208-230	1.9	825	7.5/370	5.50	5.10	1/2
10747	1/2	208-230	2.8	825	12.5/370	6.50	5.70	1/2



MARS

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Condenser Fan Motors – Single Phase – PSC

5½ inch dia. MARS SERIES **118**

MARS



Outdoor Condenser Fan Motors

Ball Bearing - 70°C

MARS 70°C SunSlinger totally enclosed condenser fan motors are designed for either vertical shaft-up or shaft-down applications in a variety of ambient conditions. 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.

Features:

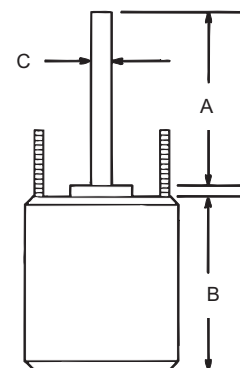
- All angle, ball bearing
- Rheem mounting holes w/screws installed
- Trane 4.33 bolt circle mounting holes with self tapping screws
- Reversible rotation
- Thru bolt or band mounting
- Water slinger on shaft
- Capacitor requirement noted on motor label
- Extra set of nuts on mounting studs

Specifications:

- Class "B" insulation
- Single phase, 60 Hertz
- 70°C/158°F
- Thermal overload protected
- Fan duty, continuous, air over
- Totally enclosed non-ventilated
- 36 inch leads

Cross Reference

MARS No.	US Motors/ Emerson	Century/ AO Smith	Wagner	GE/Genteq	York Source 1
20727	1859H	FE1016SF	WG840727HT	3726HS	
20728	1860H	FE1026SF	WG840728HT	3732HS	S1-FHM3728HT
20729	1861H	FE1036SF	WG840729HT	3733HS	S1-FHM3729HT
20730	1862H	FE1056SF	WG840730HT	3734HS	S1-FHM3730HT
20731	1868H	FE1076SF	WG840731HT	3735HS	
20402	1872H	FE1008SF		3202HS	
20403	1873H	FE1018SF		3203HS	
20404	1874H	FE1028SF	WG840404HT	3204HS	S1-FHM3204HT
20405	1875H	FE1038SF	WG840405HT	3205HS	S1-FHM3205HT
20746	1870H	FE1058SF		3747HS	



Reversible Rotation – Ball Bearing – Single Speed

MARS NO.	HP	VOLTS	AMPS	CAP REQUIRED	ENCL.	A	B	C
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1075 RPM

20727	1/6	208-230	0.90	5/370	TEAO	6.50	4.25	1/2
20728	1/4	208-230	1.8	5/370	TEAO	6.50	4.72	1/2
20729	1/3	208-230	2.4	7.5/370	TEAO	6.50	5.24	1/2
20730	1/2	208-230	3.5	10/370	TEAO	6.50	5.91	1/2
20731	3/4	208-230	5.2	10/370	TEAO	6.50	5.90	1/2

825 RPM

NEW 20402	1/8	208-230	0.75	5/370	TEAO	6.50	4.30	1/2
20403	1/6	208-230	1.0	5/370	TEAO	6.50	4.52	1/2
20404	1/4	208-230	2.2	5/370	TEAO	6.50	4.92	1/2
20405	1/3	208-230	1.9	7.5/370	TEAO	6.50	5.31	1/2
20746	1/2	208-230	2.8	12.5/370	TEAO	7.00	5.90	1/2

Condenser Fan Motors – Single Phase – PSC

5½ inch dia. MARS SERIES **203**



MARS 460V Outdoor Condenser Fan Motors

Ball Bearing - 70°C

MARS 70°C SunSlinger totally enclosed outdoor condenser fan motors are designed for all angle air conditioning or heat pump applications. A weep hole is provided in each end shield to allow condensate to drain.

Features:

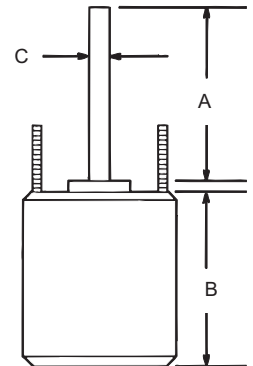
- All angle, ball bearing
- Rheem mounting holes w/screws installed
- Trane 4.33 bolt circle mounting holes and self tapping screws
- Reversible rotation
- Extended thru bolt or band mounting and extra nuts
- Capacitor requirement noted on motor label
- Water slinger on shaft
- End shield drain holes w/plugs

Specifications:

- Single phase, 60 Hz
- 70°C/158°F
- Thermal overload protected
- Totally enclosed non-ventilated
- 48 inch leads, Multi-HP
- 36 inch leads

Cross Reference

MARS No.	Century/AO Smith	US Motors/Emerson	Fasco	GE/Genteq	Rheem/Ruud Protech	Wagner	York Source 1	ROTOM
20859	FEH1028S	1880	D960 D961		51-101774-06			R31716
20880		1881			51-23064-12			R22275
20881		1882			51-100998-26			R32714
20882								
20835	788A, FEH1026SF	3736H	D980 D982 D802	3736 3737 3738 3739	51-19704-01	WG840736HT	S1-FHM3736HT	R31710
20836		3737H			51-23063-11	WG840737HT	S1-FHM3737HT	R31712
20837		3738H			51-20929-01	WG840738HT	S1-FHM3738HT	R31718
20838		3742H				WG840739HT		
20842	FEH1076SF	5480H						
20480		5481H						
20481								



Reversible Rotation – Ball Bearing

MARS NO.	HP	VOLTS	AMPS	RPM	CAP REQUIRED	A	B	C
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1075 RPM – Single Speed

20835	1/6	460	0.48	1075	5/440	6.50	4.32	1/2
20836	1/4	460	0.65	1075	7.5/440	6.50	4.52	1/2
20837	1/3	460	0.90	1075	7.5/440	6.50	5.38	1/2
20838	1/2	460	1.3	1075	10/440	6.50	5.86	1/2
20842	3/4	460	2.0	1075	10/440	6.50	6.29	1/2

825 RPM – Single Speed

20859 *	1/6	460	0.53	825	5/440	3.22	4.52	1/2
20880	1/4	460	0.90	825	5/440	6.50	5.00	1/2
20881	1/3	460	1.0	825	7.5/440	6.50	5.62	1/2
20882	1/2	460	1.55	825	10/440	6.50	6.34	1/2

1075 RPM – Two Speed – Multi-HP

20480	1/2 - 1/6	460	1.46	1075	10/440	5.50	5.70	1/2
20481	3/4 - 1/4	460	2.12	1075	15/440	5.50	6.48	1/2

One-On-One™ Replacement Motor for AO Smith ORM4688BF

MARS NO.	HP	ROT	RPM/SPDS	VOLTS	AMPS	CAP REQUIRED	ENCL.	BRG.	A	B	C
20884	1/8, 1/6, 1/5, 1/4, 1/3	REV	825/1	460	1.0	7.5/370	TEAO	Ball	6.50	5.3	1/2

* CW Rotation-opposite shaft end



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Multi-Horsepower Motors

5½ inch dia. MARS SERIES **113**

MARS

60°C



Multi-Horsepower Condenser Fan Motors

Ball Bearing

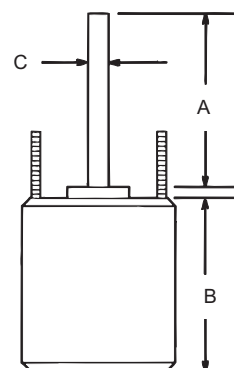
MARS multi-horsepower condenser fan motors are ideal for truck stock. Three 1075 RPM models cover 208-230 volt applications from 1/6 to 1/2 HP.

Features:

- Rheem mounting holes w/screws installed
- Thru bolt or band mounting
- Water slinger on shaft
- Air conditioning or heat pump duty

Specifications:

- Class "B" insulation
- Single phase, 60 Hz
- Thermal overload protected



Cross Reference

MARS No.	GE/ Genteq	Century/ AO Smith	US Motors/ Emerson	Fasco	Marathon	Wagner	YORK Source 1	Rheem/Ruud Protech	Carrier/ Totaline RCD	Nordyne Partners Choice	ROTOM
10458	3458	ORM5458	5458					W51-MHCJA1-01			R22402
10459	3459	ORM5488B	5464								
10465	3465	FE6000	5462	D2827	X072	WG840465	S1-FHM3465	51-23053-21	P257-E5462	01-0695	R22605
10468	3468	FE6002	5465		X076	WG840468	S1-FHM3468		P257-E5465	01-0697	R22602
10469	3469	FE6001	5464	D2826		WG840469	S1-FHM3469	51-20760-11	P257-E5464	01-0696	R22601

MARS NO.	HP	ROT	RPM/SP.	VOLTS	ENCL.	BRG.	DIMENSIONS			LEAD LENGTHS
							A	B	C	
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"

The Wiz

Multi-Horsepower Motors

5½ inch dia. MARS SERIES **118**



Multi-Horsepower Condenser Fan Motors

Ball Bearing - 70°C

MARS 70°C multi-horsepower SunSlinger condenser fan motors are ideal for truck stock. They are designed to provide reliable operation in a wide range of ambient temperatures. Three 1075 RPM models cover 208-230 volt applications from 1/6 to 1/2 HP. Two 825 RPM models cover 208-230 volt applications from 1/8 to 1/3 HP.

Features:

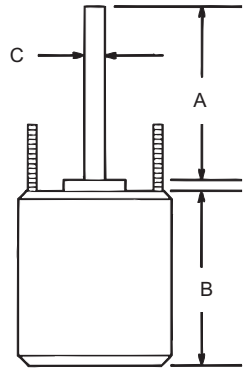
- All angle, ball bearing
- Rheem shell mounting holes with screws installed
- Trane 4.33 bolt circle mounting holes with self tapping screws
- Reversible rotation
- Thru bolt or band mounting
- Water slinger on shaft
- Extra set of nuts on mounting studs

Specifications:

- Class "B" insulation
- Single phase, 60 Hertz
- 70°C/158°F
- 36 inch leads
- Thermal overload protected
- Fan duty, continuous, air over
- Totally enclosed

20458 & 20459:

- Short shell length
- Just ONE capacitor rating per motor
- Quick & Simple 2 wire installation



Cross Reference

MARS No.	US Motors/ Emerson	Century/ AO Smith	GE/Genteq	York Source 1
20458	3323H	ORM5458BF	3458HS	S1-FHM3465HT
20459	1874H	ORM5488BF	3459HS	
20465	5462H	ORM5459BF	3465HS	
20468	5465H		3468HS	S1-FHM3469HT
20469	5464H		3469HS	

Multi-Horsepower, Reversible Rotation

MARS NO.	HP	RPM/ SPDS	VOLTS	AMPS	CAP REQUIRED	ENCL.	BRG.	DIMENSIONS		
								A	B	C
The Wiz 20458	1/6-1/3	1075	208-230	2.8	7.5/370	TEAO	Ball	6.50	5.00	1/2
20459	1/8-1/3	825	208-230	1.9	10/370	TEAO	Ball	6.50	5.71	1/2
20465	1/6-1/3	1075/2	208-230	2.5	5/7.5/370	TEAO	Ball	7.00	5.16	1/2
20468	1/5-1/2	1075/2	208-230	3.6	10/12.5/370	TEAO	Ball	5.00	6.10	1/2
20469	1/6-1/3	825/2	208-230	1.9	10/7.5/370	TEAO	Ball	5.00	6.10	1/2

One-On-One™ Replacement Motor for Emerson 5462H

MARS NO.	HP	ROT	RPM/ SPDS	VOLTS	AMPS	CAP REQUIRED	ENCL.	BRG.	DIMENSIONS		
									A	B	C
20462	1/3, 1/4, 1/5, 1/6	REV	1075/2	208-230	2.0	5/7.5/370	TEAO	Ball	5.00	4.91	1/2

One-On-One™ Replacement Motor for Emerson 5482H

MARS NO.	HP	ROT	RPM/ SPDS	VOLTS	AMPS	CAP REQUIRED	ENCL.	BRG.	DIMENSIONS		
									A	B	C
NEW 20471	1/4, 1/3, 1/2, 3/4	REV	1075/2	208-230	4.2/3.6	15/440	TEAO	Ball	5.5	6.5	1/2

One-On-One™ Replacement Motor for AO Smith FE6003F

MARS NO.	HP	ROT	RPM/ SPDS	VOLTS	AMPS	CAP REQUIRED	ENCL.	BRG.	DIMENSIONS		
									A	B	C
NEW 20470	1/4, 1/2	REV	825/2	208-230	2.6	10/12.5/440	TEAO	Ball	6.5	6.1	1/2

One-On-One™ Replacement Motor for AO Smith ORM5854BF

MARS NO.	HP	ROT	RPM/ SPDS	VOLTS	AMPS	CAP REQUIRED	ENCL.	BRG.	DIMENSIONS		
									A	B	C
NEW 20457	1/8, 1/10, 1/12, 1/15	REV	825/1	208-230	0.75	5/440	TEAO	Ball	6.5	4.7	1/2

One-On-One™ Replacement Motor for AO Smith ORM5454BF

MARS NO.	HP	ROT	RPM/ SPDS	VOLTS	AMPS	CAP REQUIRED	ENCL.	BRG.	DIMENSIONS		
									A	B	C
NEW 20463	1/8 - 1/15	REV	1075/1	208-230	0.65	5/440	TEAO	Ball	6.5	4.4	1/2



Toll Free (800) 445-4155 • Fax (631) 348-7160 • www.marsdelivers.com

Multi-Horsepower Motors

5 inch dia. MARS SERIES **205**

MARS



Super-Fit™ Multi-Horsepower Condenser 42 Frame Fan Motors

Ball Bearing

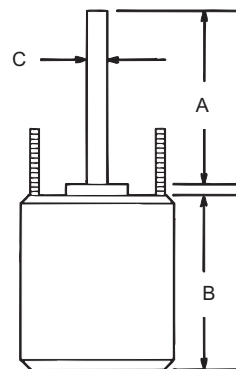
MARS 42 frame Super-Fit™ multi-horsepower condenser fan motors are ideal for truck stock. Two models cover 208-230V applications from 1/12 HP through 1/4 HP replacing many AOS, Westinghouse, Fasco, Emerson and GE motor designs.

Features:

- Super-Fit™ mounting holes for Trane 4.33, 4.42 and 4.62 bolt circle mounting. Includes self threading screws.
- All angle mount, ball bearing
- Reversible rotation
- Multi-HP
- Capacitor requirement noted on motor label
- ½ inch dia. flatted shaft
- Totally enclosed

Specifications:

- Class "B" insulation
- 42 frame
- Single phase, 60 Hz
- Continuous air over
- Thermal overload protected
- Continuous duty
- 36 inch leads



Cross Reference

MARS No.	Century/ AO Smith	US Motors/ Emerson	Fasco	GE/Genteq	Heil Quaker	MARS	York
10722	9722	5440*		5KCP29DCA323S, 5KCP29ECA328S, 5KCP29DCA329S, 5KCP29FCA322S		02243, 02248, 02249, 02251	17416, 17465, 17483, 17484
10723	9723	5441*, 1901	D1071	5KCP29JCA324S, 5KCP29JCA325S, 5KCP29HCA326S, 5KCP29JCA327S, 5KCP29ECA321S	HQ1052662EM	02244, 02245, 02246, 02247, 02250	
10724	9724						

* 70°C Heat Shield

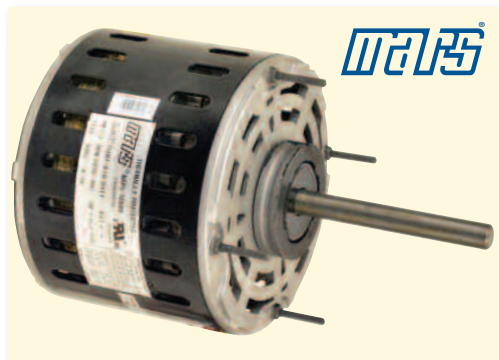
Single Speed - Reversible Rotation

MARS NO.	HP	VOLTS	AMPS	RPM	CAP	ENCL.	BEARING	DIMENSIONS		
								A	B	C
10722	1/8, 1/10, 1/12	208-230	0.75	1075	5/370	TEAO	Ball	3.00	4.13	1/2
10723	1/4, 1/5, 1/6	208-230	1.5	1075	7.5/370	TEAO	Ball	3.00	4.72	1/2
10724	1/4, 1/5, 1/6	208-230	1.35	1625	5/370	TEAO	Ball	3.00	4.60	1/2

NEW

Direct Drive Blower Motors

5½ inch dia. MARS SERIES **112 & 113**



Direct Drive Furnace Blower Motors

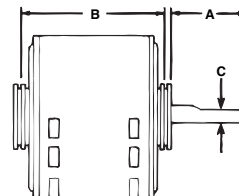
MARS direct drive furnace blower motors are three speed standard efficiency models. All models are electrically reversible and include 2 1/4 inch resilient rings for base mounting. These models have all angle sleeve bearings and have open air over enclosures.

Features:

- All angle sleeve bearing
- Rheem mounting holes
- 3 speeds
- 1/2 inch extended thru bolts
- 2 1/4 inch resilient rings
- 4 inch long, 1/2 inch diameter shaft
- For accessories see MARS Motor Catalog pages M-112 to M-114

Specifications:

- Class "B" insulation
- Single phase, 60 Hertz
- Thermal overload protected
- Fan duty, continuous, air over
- Open construction
- 26 & 30 inch leads



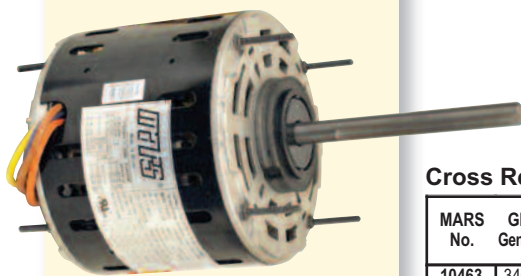
Cross Reference

MARS No.	GE/ Genter	Century/ AO Smith	US Motors/ Emerson	Fasco	Marathon	Wagner	Packard	YORK Source 1	Rheem/Ruud Protech	Carrier/Totaline RCD	Nordyne Partner's Choice	ROTOM
10583	3583	DL1026	1863	D721	X000	WG840583	43583	S1-FHM3583	W51-14BAA3-01	P257-8583	01-0169	DD-3583
10584	3584	D1026	1971	D725	X001	WG840584	43584	S1-FHM3584	W51-14BJA3-01	P257-8584	01-0173	DD-3584
10585	3585	DL1036	1864	D727	X002	WG840585	43585	S1-FHM3585	W51-13BAA3-01	P257-8585	01-0170	DD-3585
10586	3586	D1036	1972	D923	X003	WG840586	43586	S1-FHM3586	W51-13BJA3-01	P257-8586	01-0174	DD-3586
10587	3587	DL1056	1865	D701	X004	WG840587	43587	S1-FHM3587	W51-12BAA3-01	P257-8587	01-0171	DD-3587
10588	3588	D1056	1973	D703	X005	WG840588	43588	S1-FHM3588	W51-12BJA3-01	P257-8588	01-0175	DD-3588
10589	3589	DL1076	8904	D728	X009	WG840589	43589	S1-FHM3589	W51-34BAA3-01	P257-8589	01-0172	DD-3589
10590	3590	D1076	8905	D729	X010	WG840590	43590	S1-FHM3590	W51-34BJA3-01	P257-8590	01-0176	DD-3590

1075 RPM - Three Speed Reversible Rotation

MARS NO.	HP	ROT	VOLTS	AMPS	CAP REQUIRED	ENCL.	BRG.	A	B	C	LEAD LENGTHS
10583	1/4	Rev	115	4.2	5/370	OAO	Slv	4.50	4.89	1/2	26"
10584	1/4	Rev	208-230	1.8	5/370	OAO	Slv	4.50	4.89	1/2	26"
10585	1/3	Rev	115	6.1	5/370	OAO	Slv	4.50	5.14	1/2	30"
10586	1/3	Rev	208-230	2.7	5/370	OAO	Slv	4.50	5.14	1/2	26"
10587	1/2	Rev	115	7.5	10/370	OAO	Slv	4.50	5.89	1/2	29.33"
10588	1/2	Rev	208-230	3.2	7.5/370	OAO	Slv	4.50	5.64	1/2	29"
10589	3/4	Rev	115	11.2	15/370	OAO	Slv	4.50	6.14	1/2	30.25"
10590	3/4	Rev	208-230	4.5	10/370	OAO	Slv	4.50	6.14	1/2	30.25"

MARS



Multi-Horsepower Direct Drive Furnace Blower Motors

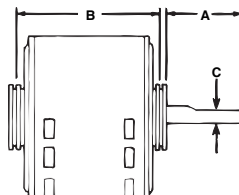
MARS multi-horsepower direct drive blower motors are ideal for truck stock. Four models cover both 115 volt and 208-230 volt applications from 1/6 through 3/4 HP. All MARS multi-horsepower motors feature Rheem shell mounting holes.

Features:

- Rheem mounting holes
- Reversible rotation
- 2-1/2 inch resilient rings

Specifications:

- Class "B" insulation
- Single phase, 60 Hz
- Thermal overload protected
- 41 inch leads



Cross Reference

MARS No.	GE/ Genter	Century/ AO Smith	US Motors/ Emerson	Fasco	Marathon	Wagner	YORK Source 1	Rheem/Ruud Protech	Carrier/Totaline RCD	Nordyne Partner's Choice	ROTOM
10463	3463	FDL6001	5460	D2835	X077	WG840463	S1-FHM3463	51-23012-41	P257-E5460	01-0698	R43600
10464	3464	FD6000	5461	D833	X073	WG840464	S1-FHM3464	51-23022-41	P257-E5461	01-0699	R43601
10466	3466	FDL6002	5470	D2832	X074	WG840466	S1-FHM3466		P257-E5470	01-0702	R43602
10467	3467	FD6001	5471	D2833	X075	WG840467	S1-FHM3467		P257-E5471	01-0701	R43603
10479			5469								

1075 RPM - Four Speed

MARS NO.	HP	ROT	VOLTS	ENCL.	BRG.	A	B	C	LEAD LENGTHS
10463	1/6 - 1/2	Rev	115	OAO	Slv	5.50	4.73	1/2	41.53"
10464	1/6 - 1/2	Rev	230	OAO	Slv	5.50	4.73	1/2	41"
10466	1/5 - 3/4	Rev	115	OAO	Ball	5.80	5.73	1/2	41"
10467	1/5 - 3/4	Rev	230	OAO	Ball	5.60	5.23	1/2	40.75"
10479	1/8 - 1/3	Rev	230	OAO	Slv	4.50	5.30	1/2	36"

NEW

MARS

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Belted Fan & Blower Motors – Split Phase

5½ inch dia. MARS SERIES **114**

MARS



Belted Fan & Blower Motors

Ball Bearing

MARS belted blower motors are designed to meet manufacturer's requirements for belted fan or blowers.

Features:

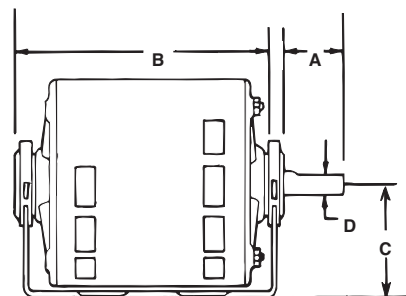
- Ball bearing construction
- Resilient base mounted
- Reversible
- Slotted holes in base match 48 or 56 frame bolt patterns
- ½ inch shaft diameter

Specifications:

- Class "B" insulation
- Single phase, 60 Hz
- Thermal overload protected
- Open construction
- Continuous duty

Cross Reference

MARS No.	Century/ AO Smith	US Motors/ Emerson	GE/ Genteq	Magnetek	Marathon	Packard	ROTOM
10401	GF2024, RB2024	2889, 8000	4701	808, 802	B303, B206	45014	BF-4701
10406	GF2034, RB2034	2888, 8100	4706	922, 805	B305, B207	45013	BF-4706
10408	GF2054, BF2054	2887, 8200	4708	F681, 811	B208	45012	BF-4708

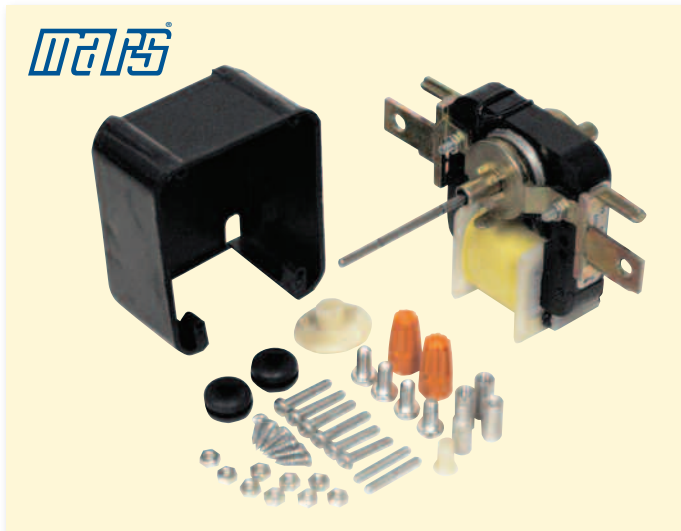


1725 RPM - Single Speed

MARS NO.	HP	VOLTS	FLA	SF	DIMENSIONS				NEMA FRAME
					A	B	C	D	
10401	1/4	115	4.3	1.35	1.85	6.25	3.00	1/2	48/56
10406	1/3	115	5.8	1.35	1.85	6.25	3.00	1/2	48/56
10408	1/2	115	7.7	1.25	1.85	6.88	3.00	1/2	48/56

C-Frame - Shaded Pole Motors

MARS SERIES **909**



Super-Fit™ 3000 RPM Replacement Motors*

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 and hardware.

Fan blades see MARS Motor Catalog page M-4.

*U.S. Patent

Specifications:

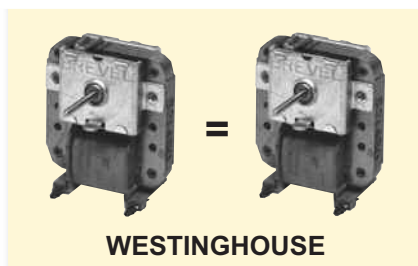
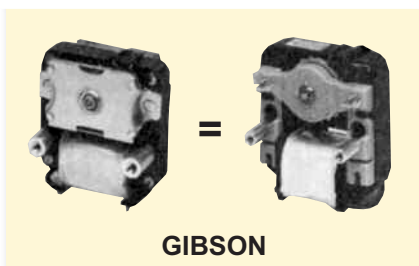
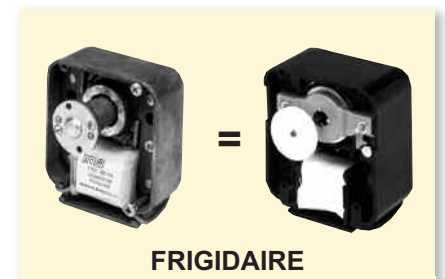
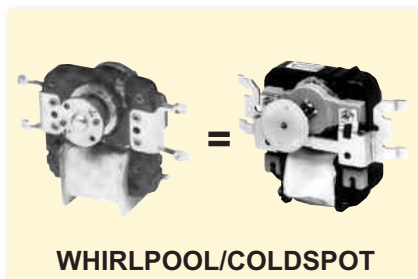
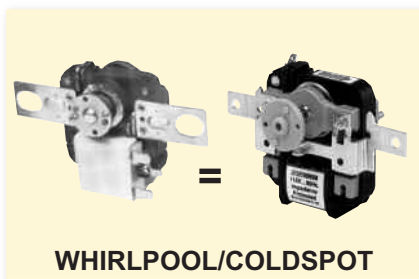
- Electrical rating: 90999, 115V, 50/60 Hertz
90998, 220V, 50/60 Hertz
- Overload protection: impedance protected
- Speed: 3000 RPM
- Shaft: 1/8 inch diameter with adaptors for 3/16 inch and hubless fans

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**



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	VOLTS
90970	1/50	1.33	.75	2.174 x .1875	110-120/208-240



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 see MARS Motor Catalog page M-4.

Features:

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

Specifications:

- 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	VOLTS	AMPS	SHAFT	STACK
90971	1/130	120	0.41	1.42" x 3/16"	5/8"

Unit Bearing Motors - Shaded Pole

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

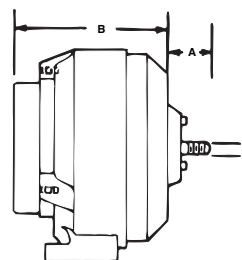


51 Frame Unit Bearing Cast Iron Motors

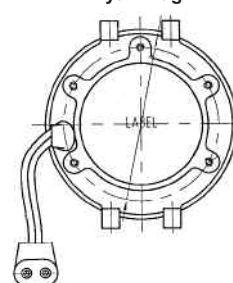
MARS 51 frame motors are used on refrigerators, freezers, food & beverage coolers, vending machines, display cases, and many other fan duty applications.

Features:

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



Dual Pad Mounting
Lyall Plug



1000 RPM—1/4-20 Threaded Shaft

MARS NO.	WATTS	ROT OSE	VOLTS	AMPS	LEAD LENGTH	A	DIMENSIONS B	C
05111 ⁽¹⁾	2.5	CW	115	0.30	26"	0.66	2.64	1/4

1550 RPM—1/4-20 Threaded Shaft

MARS NO.	WATTS	ROT OSE	VOLTS	AMPS	LEAD LENGTH	A	DIMENSIONS B	C
05211 ⁽¹⁾	4	CW	115	0.27	26"	0.66	2.64	1/4
05212 ⁽¹⁾	4	CCW	115	0.27	26"	0.66	2.64	1/4
05221 ⁽¹⁾	4	CW	230	0.16	26"	0.66	2.64	1/4
05222 ⁽¹⁾	4	CCW	230	0.16	26"	0.66	2.64	1/4
05311	6	CW	115	0.40	26"	0.66	3.14	1/4
05312	6	CCW	115	0.40	26"	0.66	3.14	1/4
05411	9	CW	115	0.50	26"	0.66	3.14	1/4
05412	9	CCW	115	0.50	26"	0.66	3.14	1/4
05421	9	CW	230	0.25	26"	0.66	3.14	1/4
05422	9	CCW	230	0.25	26"	0.66	3.14	1/4
05811 ⁽²⁾	16	CW	115	1.0	24"	0.66	3.34	1/4
05812 ⁽²⁾	16	CCW	115	1.0	24"	0.66	3.34	1/4
05821 ⁽²⁾	16	CW	230	0.50	24"	0.66	3.34	1/4
05822 ⁽²⁾	16	CCW	230	0.50	24"	0.66	3.34	1/4

1500 RPM—1/4-20 Threaded Shaft

MARS NO.	WATTS	ROT OSE	VOLTS	AMPS	LEAD LENGTH	A	DIMENSIONS B	C
05911 ⁽²⁾	25	CW	115	1.1	22"	0.50	3.50	1/4
05921 ⁽²⁾	25	CW	230	0.60	22"	0.50	3.50	1/4
05711 ⁽²⁾	35	CW	115	1.4	22"	0.50	3.50	1/4
05721 ⁽²⁾	35	CW	230	0.70	22"	0.50	3.50	1/4

1500 RPM—Smooth Shaft

MARS NO.	WATTS	ROT OSE	VOLTS	AMPS	LEAD LENGTH	A	DIMENSIONS B	C
05511 ⁽²⁾	50	CW	115	1.7	22"	1.50	4.50	3/8
05521 ⁽²⁾	50	CW	230	0.85	22"	1.50	4.50	3/8

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

MARS NO.	WATTS	ROT OSE	VOLTS	AMPS	LEAD LENGTH	A	DIMENSIONS B	C
05614	4	CW	115	0.27	26"	0.66	2.64	1/4
05616	6	CW	115	0.40	26"	0.66	3.14	1/4
05619	9	CW	115	0.50	26"	0.66	3.14	1/4
05626	16	CW	115	1.0	24"	0.66	3.34	1/4

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



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Refrigeration Fan Motors - Shaded Pole

3½ inch dia. MARS SERIES **050**



MARS Shaded Pole Motors

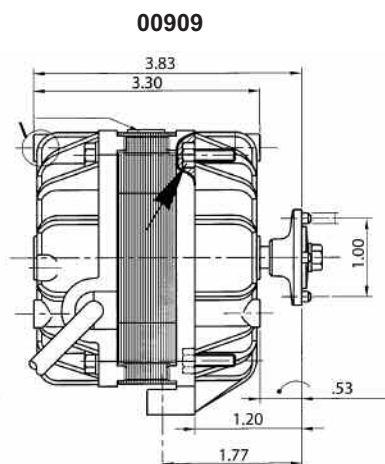
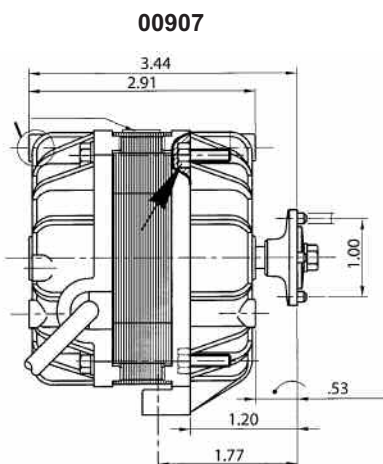
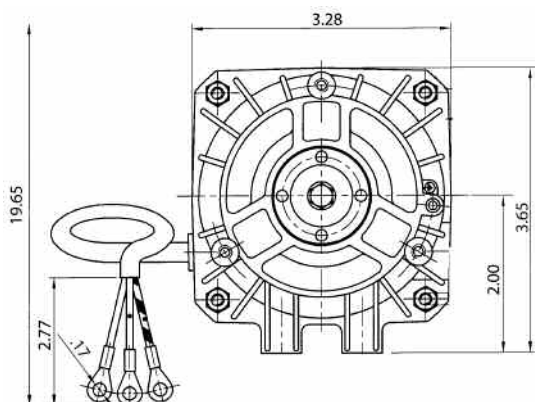
MARS shaded pole motors are widely used in the HVAC & Refrigeration industry. These motors are suitable for all angle operation and have multiple mounting features and are used in industrial and commercial refrigeration for condensing and evaporating units, ventilating units, freezers, walk-in and reach-in coolers, food and beverage coolers and many other fan duty applications.

Features:

- All angle, sleeve bearing
- Single speed
- Output 9 and 16 watts
- Totally enclosed
- Hardware included: screws and nuts
- Continuous air over
- 3 core cable equipped with ring fast-on terminals

Specifications:

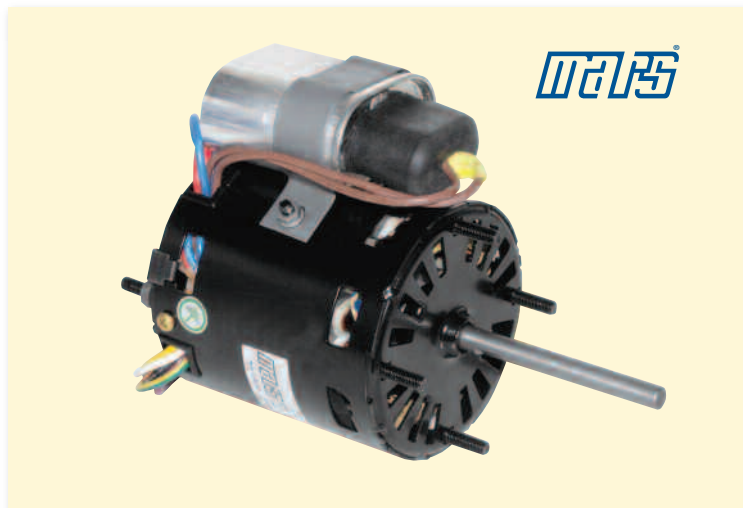
- Class "B" insulation
- 60 Hz
- Thermal overload protected
- UL approved



MARS NO.	WATTS	ROT SE	HP	VOLTS	AMPS	RPM
00907	9	CCW	1/83	115	0.50	1550
00909	16	CCW	1/47	115	0.70	1550

Refrigeration Fan Motors – PSC

3.3 inch dia. MARS SERIES **099**



MARS 3.3 Inch Commercial Refrigeration Multi-Horsepower Motors

These motors replace hundreds of OEM shaded pole evaporator fan motors found in Bohn, Nutone, Chandler, Larkin, Kramer, Climate Control, McQuay, Heatcraft and reduce truck stock costs.

These PSC type motors deliver more power and lower amp draw compared to shaded pole.

Features:

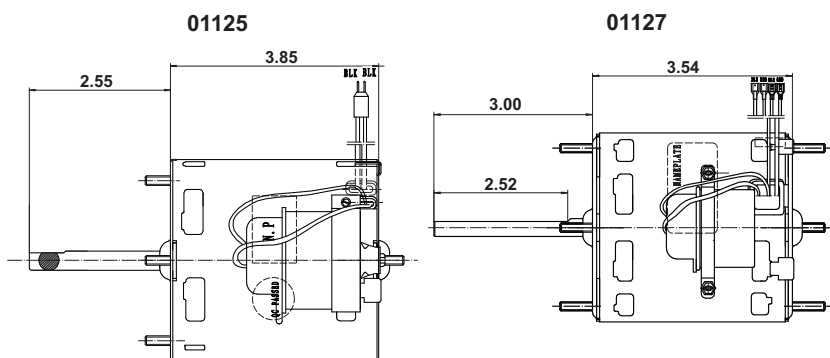
- Sleeve bearing
- Mounting - extended thru-bolt with nuts
- Low temp lubricant
- Capacitor included
- Open ventilation

Specifications:

- Class “B” insulation
- 60 Hz
- Thermal overload protected
- Single speed

Replaces 12 Motor Ratings:

1/12HP	CW or CCW	115V or 230V
1/15HP	CW or CCW	115V or 230V
1/20HP	CW or CCW	115V or 230V



Cross Reference

MARS No.	Century/ AO Smith	US Motors/ Emerson	Fasco	GE/Genteq	OEM	Packard
01125	9720A	9656, 8658, 9664	7190-0442, D1125		253005101, 25309101, 7071061, 55034LS, 5034L, 5008SS and 50085 S58-486, 5008TS, 5008T, 5034MS and 5034M S58-776	41125
01127	9721	9650, 9651, 9652, 9653, 9656, 9662, 9664	D1101, D1103, D1122, D1123, D1124, D1125, D1126, D1127, D1152, D1154, PD1125, PD1127, 7163-2113, 7163-3371, 7190-0442, 7190-2084, 7190-2255, 7190-2285, 7190-2969	5KSM59ES2001, 5KSM59JSK143S, 5KSM59JS5036S, 5KSM59LS2262AS	25308601, 25309101, 2531194, 2531195, 7071061	49101

1550 RPM – Reversible

MARS NO.	HP	VOLTS	AMPS	CAP INCLUDED	SHAFT LENGTH AND DIAMETER
01125	1/12, 1/15, 1/18	208-230	0.56/0.50	4 MFD 370V	2.55 x 5/16
01127	1/12, 1/15, 1/20	115/230	1.1/0.60	7.5 MFD 370V	3.00 x 5/16

Refrigeration Fan Motors - Shaded Pole

3.3 inch dia. MARS SERIES **099**

MARS

09916
09917
09927



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

Application

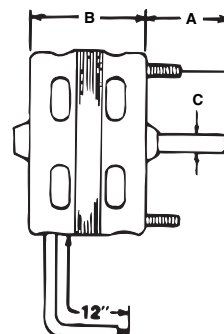
Can be used to replace virtually all popular 3.3" dia. commercial refrigeration evaporator fan motors.

Features:

- 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 airMARS section of this catalog for fan blades & accessories

Specifications:

- Single phase, 60 Hertz
- Thermal overload protected
- 12 inch leads



Cross Reference

Century/AO Smith	Fasco	Magnetek	RMR	MARS No.
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

1550 RPM

MARS NO.	HP	VOLTS	AMPS	ROT OLE	A	DIMENSIONS B	C
09916	1/30	115	1.2	CW	2.50	2.96	5/16
09917	1/20	115	1.7	CW	2.50	2.96	5/16
09927	1/20	208/230	0.96	CW	2.50	2.96	5/16

Refrigeration Fan Motors - Shaded Pole

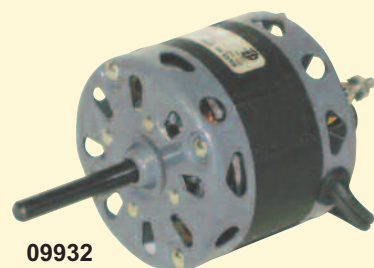
3.3 inch dia. MARS SERIES **099**

MARS



09930
09931

09938



09932
09933



09934

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

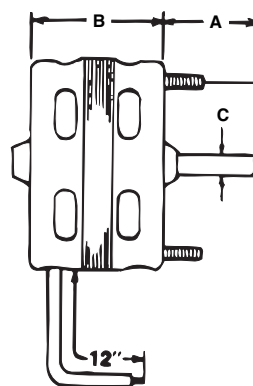
These motors feature original OEM-type plugs, wiring harness and conduit box (where appropriate).

Features:

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

Specifications:

- Class "B" insulation
- Thermal overload protected



Bohn Applications / With Lyall Plug

MARS NO.	HP	RPM	VOLTS	AMPS	ROT OLE	DIMENSIONS		
						A	B	C
09930	1/20	1550	115	1.7	CW	3	3	5/16
09931	1/15	1550	230	1.1	CW	3	3.5	5/16
09938	1/12	1400	230	0.55	CW	2.6	4	5/16

1550 RPM – Larkin Applications / With Lyall Plug

MARS NO.	HP	VOLTS	AMPS	ROT OLE	A	DIMENSIONS		
						B	C	
09932	1/20	115	1.7	CCW	2.25	2.75	5/16	
09933	1/20	208/230	1.0	CCW	2.25	3	5/16	

1550 RPM – McQuay Applications

MARS NO.	HP	VOLTS	AMPS	ROT OLE	A	DIMENSIONS		
						B	C	
09934	1/15	115/230	2.1/1.1	CW	2.5	3.5	5/16	

MARS

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Refrigeration Fan Motors - Shaded Pole

5 inch dia. MARS SERIES **106**

MARS



MARS 21/29 Frame Commercial Refrigeration Replacement Motors

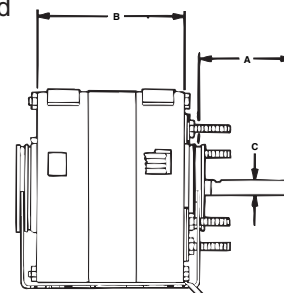
MARS 21/29 frame refrigeration replacement motors have been designed to provide the contractor with tremendous versatility. Dual voltage and mechanical reversibility make these ideal truck stock for today's busy refrigeration contractor. 1050 RPM and 1550 RPM models are available.

Features:

- All angle sleeve bearings
- 115/208-230 volt
- Simple mechanical reversibility, lead exit provided at both ends
- Extended studs with double nuts
- Mounting washers included
- 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
- Thermal overload protected
- 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

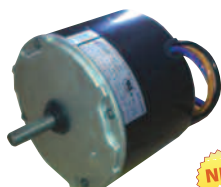
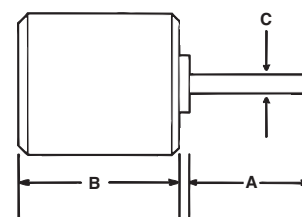
MARS NO.	HP	VOLTS	LE ROT	F.L.A. 115/208-230V	A	DIMENSIONS B	C
10609	1/10	115/230	CCW	4.0/2.0	2.25	4.92	3/8

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

One-On-One™ Direct Replacement Motors

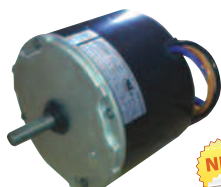
One-On-One™ Direct Replacement Motors



5 ½ inch diam., totally enclosed, ball bearing, capacitor required 5 MFD @ 370V (MARS No. 12005, 12905), CW OSE

Replaces: Carrier HC33GE233

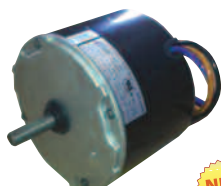
MARS NO.	HP	VOLTS	RPM/SPEEDS	ROT OSE	AMPS	A	DIMENSIONS B	C
NEW 10234	1/10	208/230	1100/1	CW	0.77	1.8	3.8	1/2



5 ½ inch diam., totally enclosed, ball bearing, capacitor required 5 MFD @ 370V (MARS No. 12005, 12905), CCW OSE

Replaces: Goodman 0131M00019P

MARS NO.	HP	VOLTS	RPM/SPEEDS	ROT OSE	AMPS	A	DIMENSIONS B	C
NEW 10230	1/4	208/230	1100/1	CCW	1.26	3	4.1	1/2



5 ½ inch diam., totally enclosed, ball bearing, capacitor required 5 MFD @ 370V (MARS No. 12005, 12905), CCW OSE

Replaces: Goodman 0131M00060

MARS NO.	HP	VOLTS	RPM/SPEEDS	ROT OSE	AMPS	A	DIMENSIONS B	C
NEW 10232	1/6	208/230	810/1	CCW	1.1	3	4.1	1/2



5 ½ inch diam., totally enclosed, ball bearing, capacitor required 5 MFD @ 370V (MARS No. 12005, 12905), CCW OSE

Replaces: Goodman 0131M00294

MARS NO.	HP	VOLTS	RPM/SPEEDS	ROT OSE	AMPS	A	DIMENSIONS B	C
NEW 10233	1/8	208/230	1050/1	CCW	0.70	2.5	4.1	1/2



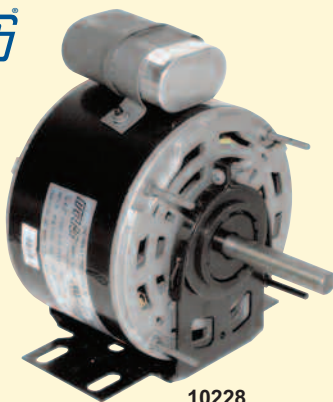
5 ½ inch diam., totally enclosed, ball bearing, capacitor required 20 MFD @ 370V (MARS No. 12014, 12914), CW OSE

Replaces: Goodman 0131F00022

MARS NO.	HP	VOLTS	RPM/SPEEDS	ROT OSE	AMPS	A	DIMENSIONS B	C
NEW 10594	1/2	115	1130/4	CW	8.1	4	5.1	1/2

One-On-One™ Direct Replacement Motors

MARS



10228



10229

OEM Direct Replacement Motors For Copeland

Specifications:

- Class "B" insulation
- 50/60 Hz
- Single phase
- Single speed
- Thermal overload protected
- Continuous air over

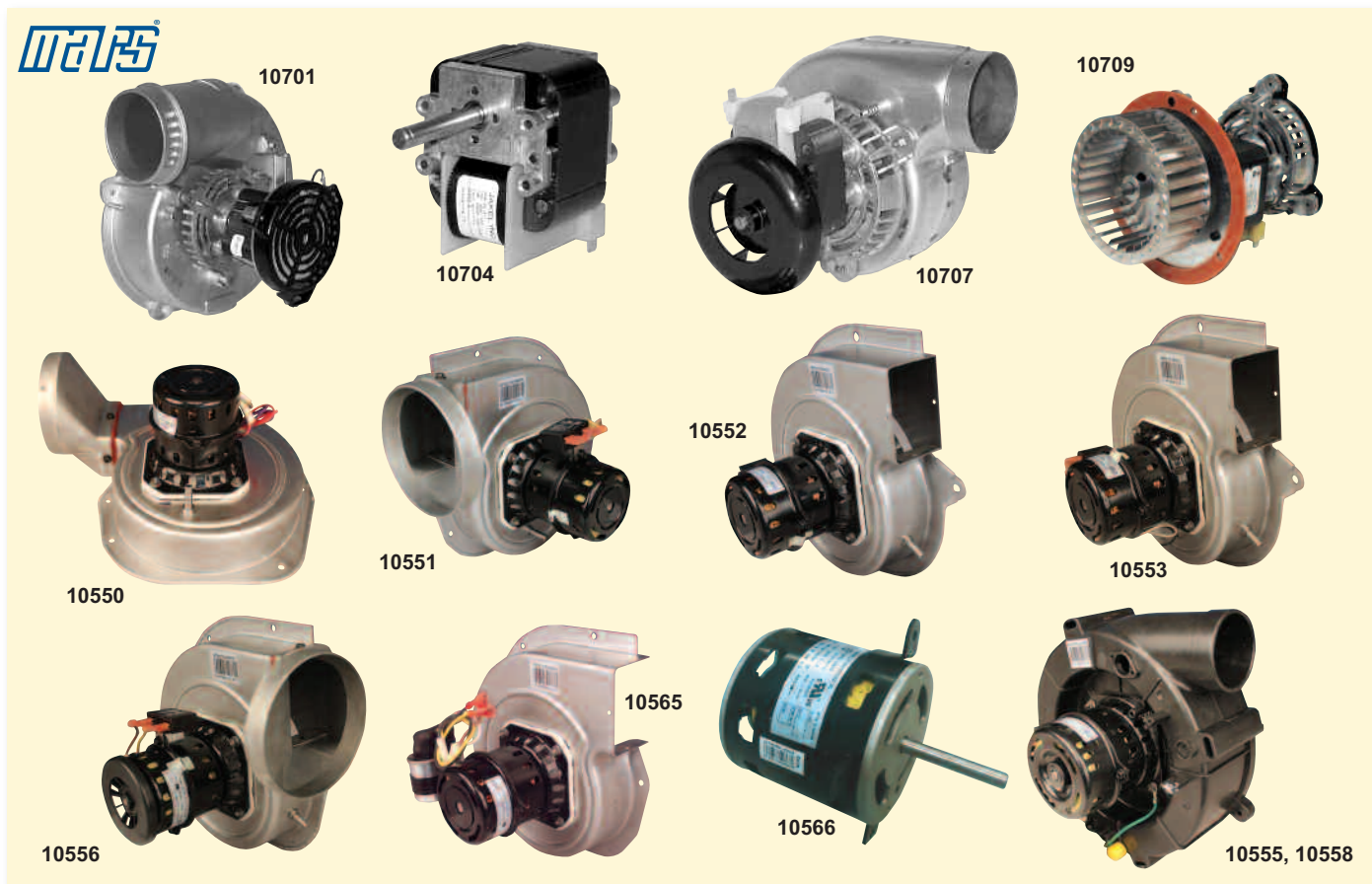
Cross Reference

MARS No.	Copeland	GE/Genteq	US Motors/Emerson	Packard
10227	050-0108-00	5KCP32KG2598, 5KCP32KG175 5KCP32KG221	6127, K55HXECE2645	
10228	050-0251-00, 998-0251-000		6128, K55HSJNG-2974	40251
10229	050-0250-00, 950-0250-00	03242, 5KCP39EG755S	6129, K55HXJZJ-3126	40250
10264	050-0238-00	5KCP-39GG357S	6124, K55BZY-1439	
10265	050-0265-00		K55PGP5104	40265

MARS NO.	HP	VOLTS	ROTATION OSE	AMPS	RPM	CAP INCLUDED	ENCLOSURE	DIMENSIONS		
								A	B	C
NEW 10227	1/3	230	CW	2.2	1625	4MFD/370V	TEAO	1.75	5.87	1/2
10228	1/6	208-230	CW	1.1	1550	3MFD/370V	OAD	3.07	3.69	1/2
10229	1/4	208-230	CW	1.5	1625	5MFD/370V	OAD	3.07	4.32	1/2
10264	1/4	230	CW	2.1	1550	5MFD/370V	ODP	3.00	4.2	1/2
10265	1/6	208-230	Rev	1.1	1550	3MFD/370V	OAD	3.00	3.73	1/2

Draft Inducer Blowers

MARS SERIES **107 & 206**



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

Specifications:

- C-Frame • Single Speed • 60 Hz
- Thermal protected, air over
- Single phase

Draft Inducer Blowers

MARS NO.	OEM	OEM NO.	APPLICATION	HP	VOLTS	AMPS	RPM	BEARING TYPE	CAP INCLUDED
10701	Rheem	70-24157-03	80+ Furnace	1/30	120	1.71	3400	Ball	—
10566	Carrier	HC27Q118	80 + Furnace	1/4	115	0.38	3030	Ball	5MFD/370
10704	Carrier	HC21ZE117	80+ Furnace	1/22	115	1.8	—	Ball	—
10709	Carrier	HC24HE230	80+ Furnace	1/40	208/230	1.0	—	Ball	—
10707	Lennox	88K8401	80+ Furnace	1/60	120	1.3	3000	Ball	—
10556	Nordyne	622567	80+ Furnace	1/33	115	0.43	3000	Ball	4MFD/250V
10558	Nordyne	622302	90+ Furnace	1/31	115	0.46	3300	Ball	6MFD/250V
10550	Goodman	0131G00007	80+ Furnace	1/50	230	0.24	3000	Ball	2MFD/370V
10551	Goodman	0131G00009	80+ Furnace	1/32	230	0.24	3000	Ball	2MFD/370V
10552	Goodman	0131M00121	80+ Furnace	1/50	230	0.22	3000	Ball	2MFD/370V
10553	Goodman	0131M00002P	80+ Furnace	1/50	115	0.40	3000	Ball	6MFD/250V
10555	Goodman	0271F00126	90+ Furnace	1/32	115	0.46	3150/2950	Ball	6MFD/250V
10563	Trane	D965130P01	80+ Furnace	1/39	230	0.22	2800/1500	Ball	2MFD/370V
10564	Trane	D965129P01	80+ Furnace	1/39	230	0.22	2800/1500	Ball	2MFD/370V
10565	Trane	D965128P01	80+ Furnace	1/34	230	0.24	3000	Ball	2MFD/370V



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Cross Reference / MARS Motors

MARS No.	Description	Century / AO Smith	US Motors/ Emerson	Fasco	GE/ Genteq	Marathon	Packard	Nordyne/ Partners Choice	Rheem/Ruud Protech	Carrier/ Toteline RCD	Wagner	York Source 1	ROTHOM
Condenser Fan													
10727	1/6 HP, 208-230V, 1075 RPM	FSE1016S	1859	D917	3727	X411	43727	01-0160	W51-16CJA1-01	P257-8727	WG840727	S1-FHM3727	-
10728	1/4 HP, 208-230V, 1075 RPM	FSE1026S	1860	D909	3728	X412	43728	01-0161	W51-14CJA1-01	P257-8728	WG840728	S1-FHM3728	-
10729	1/3 HP, 208-230V, 1075 RPM	FSE1036S	1861	D908	3729	X413	43729	01-0162	W51-13CJA1-01	P257-8729	WG840729	S1-FHM3729	-
10730	1/2 HP, 208-230V, 1075 RPM	FSE1056S	1862	D907	3730	X414	43730	01-0163	W51-12CJA1-01	P257-8730	WG840730	S1-FHM3730	-
10731	3/4 HP, 208-230V, 1075 RPM, B/B	FSE1076S	1868	D933	3731	-	43731	01-0164	51-42534-19	P257-8731	WG840731	S1-FHM3731	-
10403	1/6HP, 208-230V, 825 RPM	FSE1018SF	1873	D798	3403	X465	60825	0165	51-23055-12	-	-	-	-
10404	1/4HP, 208-230V, 825 RPM	FSE1028SF	1874	D934	3404	-	40825	0166	51-23054-13	-	WG840204	S1-FHM3204	R22445
10405	1/3HP, 208-230V, 825 RPM	FSE1038SF	1875	D796	3405	X451	30825	0167	-	P257-8026	WG840205	S1-FHM3205	R22345
10746	1/2HP, 208-230V, 825 RPM	FSE1058SF	1870	D713	3746	X452	-	0168	-	-	-	-	R22245
10203	1/6HP, 208-230V, 825 RPM, B/B	-	-	D793	3203	X465	3203	-	-	-	-	-	-
10204	1/4HP, 208-230V, 825 RPM, B/B	-	1874	-	3204	X450	40825	-	-	-	-	S1-FHM3204	CF-814
10205	1/3HP, 208-230V, 825 RPM, B/B	-	1875	-	3205	X451	30825	-	-	-	-	S1-FHM3205	CF-813
10747	1/2 HP, 208-230V, 825 RPM	F1058	-	-	3736	X452	-	-	-	-	-	-	-
10732	1/6 HP, 208-230V, 1075 RPM, B/B	-	2246	-	3726	X427	-	-	-	-	-	-	CF-3726
10733	1/4 HP, 208-230V, 1075 RPM, B/B	F1026S, FE1026SF, FSE1026SV1	1876	D7909	3732	X428	51876	-	-	-	-	-	CF-3732
10734	1/3 HP, 208-230V, 1075 RPM, B/B	F1036S, FE1036S	1877	D7908	3733	X413	51877	-	-	-	-	-	CF-3733
10735	1/2 HP, 208-230V, 1075 RPM, B/B	F1056S, FE1056SF	1878	-	3734	X414	51878	-	-	-	-	-	CF-3734
10736	3/4 HP, 208-230V, 1075 RPM, B/B	F1076SF, FS1076S	1879	-	3735	-	51879	-	-	-	-	-	CF-3735
Multi-Horsepower Condenser Fan													
10458	1/6, 1/5, 1/4, 1/3, 1075 RPM, 208-230V, WIZ, B/B	ORM5458	5458	-	3458	-	-	-	W51-MHCA1-01	-	-	-	R22402
10459	1/8, 1/6, 1/5, 1/4, 1/3, 825RPM, 208-230V, WIZ, B/B	ORM5488B	5464	-	3459	-	-	-	-	-	-	-	-
10465	1/6, 1/5, 1/4, 1/3, 1075 RPM, 208-230V, B/B	FE6000	5462	D2827	3465	X072	-	01-0695	51-23053-21	P257-E5462	WG840465	S1-FHM3465	R22605
10468	1/5, 1/4, 1/3, 1/2, 1075 RPM, 208-230V, B/B	FE6002	5465	-	3468	X076	-	01-0697	-	P257-E5465	WG840468	S1-FHM3468	R22602
10469	1/6, 1/5, 1/4, 1/3, 825 RPM, 208-230V, B/B	FE6001	5464	D2826	3469	-	-	01-0696	51-20760-11	P257-E5464	WG840469	S1-FHM3469	R22601
Direct Drive													
10583	1/4 HP, 115V, 1075 RPM	DL1026	1863	D721	3583	X000	43583	01-0169	W51-14BAA3-01	P257-8583	WG840583	S1-FHM3583	DD-3583
10584	1/4 HP, 208-230V, 1075 RPM	D1026	1971	D725	3584	X001	43584	01-0173	W51-14BJA3-01	P257-8584	WG840584	S1-FHM3584	DD-3584
10585	1/3 HP, 115V, 1075 RPM	DL1036	1864	D727	3585	X002	43585	01-0170	W51-13BAA3-01	P257-8585	WG840585	S1-FHM3585	DD-3585
10586	1/3 HP, 208-230V, 1075 RPM	D1036	1972	D923	3586	X003	43586	01-0174	W51-13BJA3-01	P257-8586	WG840586	S1-FHM3586	DD-3586
10587	1/2 HP, 115V, 1075 RPM	DL1056	1865	D701	3587	X004	43587	01-0171	W51-12BAA3-01	P257-8587	WG840587	S1-FHM3587	DD-3587
10588	1/2 HP, 208-230V, 1075 RPM	D1056	1973	D703	3588	X005	43588	01-0175	W51-12BJA3-01	P257-8588	WG840588	S1-FHM3588	DD-3588
10589	3/4 HP, 115V, 1075 RPM	DL1076	8904	D728	3589	X009	43589	01-0172	W51-34BAA3-01	P257-8589	WG840589	S1-FHM3589	DD-3589
10590	3/4 HP, 208-230V, 1075 RPM	D1076	8905	D729	3590	X010	43590	01-0176	W51-34BJA3-01	P257-8590	WG840590	S1-FHM3590	DD-3590
Multi-Horsepower Direct Drive													
10463	1/6, 1/5, 1/4, 1/3, 1/2 HP, 115V, 1075 RPM	FDL6001	5460	D2835	3463	X077	-	01-0698	51-23012-41	P257-E5460	WG840463	S1-FHM3463	R43600
10464	1/6, 1/5, 1/4, 1/3, 1/2 HP, 208-230V, 1075 RPM	FD6000	5461	D833	3464	X073	-	01-0699	51-23022-41	P257-E5461	WG840464	S1-FHM3464	R43601
10466	1/5, 1/4, 1/3, 1/2, 3/4 HP, 115V, 1075 RPM, B/B	FDL6002	5470	D2832	3466	X074	-	01-0702	-	P257-E5470	WG840466	S1-FHM3466	R43602
10467	1/5, 1/4, 1/3, 1/2, 3/4 HP, 208-230V, 1075 RPM, B/B	FD6001	5471	D2833	3467	X075	-	01-0701	-	P257-E5471	WG840467	S1-FHM3467	R43603
10479	1/8, 1/4, 1/3, 825 RPM, 208-230V	-	5469	-	-	-	-	-	-	-	-	-	-

Note: B/B – Ball Bearing **Disclaimer:** Every effort has been made to insure the accuracy of motor data and cross reference information. Design changes may result in different operating characteristics or dimensional changes from one manufacturer to another. Therefore, MARS cannot accept responsibility for the ultimate selection. For additional information, please contact MARS.

Cross Reference / MARS Motors



MARS No.	Description	Century/AO Smith	US Motors/ Emerson	Fasco	GE/Genteq	Rheem/Ruud Protech	Wagner	York Source 1	ROTHOM
Sunslinger Condenser Fan 70°C									
20727	1/6 HP Condenser Fan, 208-230V, 1075 RPM, B/B	FE1016SF	1859H	-	3726HS	-	WG840727HT	-	-
20728	1/4 HP Condenser Fan, 208-230V, 1075 RPM, B/B	FE1026SF	1860H	-	3732HS	-	WG840728HT	S1-FHM3728HT	-
20729	1/3 HP Condenser Fan, 208-230V, 1075 RPM, B/B	FE1036SF	1861H	-	3733HS	-	WG840729HT	S1-FHM3729HT	-
20730	1/2 HP Condenser Fan, 208-230V, 1075 RPM, B/B	FE1056SF	1862H	-	3734HS	-	WG840730HT	S1-FHM3730HT	-
20731	3/4 HP Condenser Fan, 208-230V, 1075 RPM, B/B	FE1076SF	1868H	-	3735HS	-	WG840731HT	-	-
20402	1/8HP Condenser Fan, 208-230V, 825 RPM, B/B	FE1008SF	1872H	-	3202HS	-	-	-	-
20403	1/6HP Condenser Fan, 208-230V, 825 RPM, B/B	FE1018SF	1873H	-	3203HS	-	-	-	-
20404	1/4HP Condenser Fan, 208-230V, 825 RPM, B/B	FE1028SF	1874H	-	3204HS	-	WG840404HT	S1-FHM3204HT	-
20405	1/3HP Condenser Fan, 208-230V, 825 RPM, B/B	FE1038SF	1875H	-	3205HS	-	WG40405HT	S1-FHM3205HT	-
20746	1/2HP Condenser Fan, 208-230V, 825 RPM, B/B	FE1058SF	1870H	-	3747HS	-	-	-	-
Sunslinger Multi-Horsepower Condenser Fan 70°C									
20458	1/6, 1/5, 1/4, 1/3 Multi-HP, Condenser Fan, 1075 RPM, 208-230V, WIZ, B/B	ORM5458BF	3323H	-	3458HS	-	-	-	-
20459	1/8, 1/6, 1/5, 1/4, 1/3 Multi-HP, Condenser Fan, 825RPM, 208-230V, WIZ B/B	ORM5488BF	1874H	-	3459HS	-	-	-	-
20465	1/6, 1/5, 1/4, 1/3 Multi-HP, Condenser Fan, 1075 RPM, 208-230V, B/B	-	5462H	-	3465HS	-	-	S1-FHM3465HT	-
20468	1/5, 1/4, 1/3, 1/2 Multi-HP, Condenser Fan, 1075 RPM, 208-230V, B/B	ORM5459BF	5465H	-	3468HS	-	-	-	-
20469	1/6, 1/5, 1/4, 1/3 Multi-HP, Condenser Fan, 825 RPM, 208-230V, B/B	-	5464H	-	3469HS	-	-	S1-FHM3469HT	-
Sunslinger One-On-One™ Replacement Motor for Emerson 5462H Condenser Fan									
20462	1/3, 1/4, 1/5, 1/6 Multi-HP, Condenser Fan, 1075 RPM, 208-230V, B/B	-	5462H	-	-	-	-	-	-
Sunslinger 460V Condenser Fan 70°C									
20859	1/6HP Condenser Fan, 460V, 825 RPM, B/B	-	-	-	-	51-101774-06	-	-	R31716
20880	1/4HP Condenser Fan, 460V, 825 RPM, B/B	FEH1028S	1880	-	-	51-23064-12	-	-	R22275
20881	1/3HP Condenser Fan, 460V, 825 RPM, B/B	-	1881	D960	-	51-100998-26	-	-	R32714
20882	1/2HP Condenser Fan, 460V, 825 RPM, B/B	-	1882	D961	-	-	-	-	-
20835	1/6HP Condenser Fan, 460V, 1075 RPM, B/B	-	-	-	-	-	-	-	-
20836	1/4HP Condenser Fan, 460V, 1075 RPM, B/B	788A, FEH1026SF	3736H	D980	3736	51-19704-01	WG840736HT	S1-FHM3736HT	R31710
20837	1/3HP Condenser Fan, 460V, 1075 RPM, B/B	789A, FEH1036SF	3737H	D982	3737	51-23063-11	WG840737HT	S1-FHM3737HT	R31712
20838	1/2HP Condenser Fan, 460V, 1075 RPM, B/B	790A, FEH1056SF	3738H	D802	3738	51-20929-01	WG840738HT	S1-FHM3738HT	R31718
20842	3/4HP Condenser Fan, 460V, 1075 RPM, B/B	FEH1076SF	3742H	-	3739	-	WG840739HT	-	-
Sunslinger 460V Multi-Horsepower Condenser Fan 70°C									
20480	1/6, 1/5, 1/4, 1/3 Multi-HP, Condenser Fan, 1075 RPM, 460V, B/B	-	5480H	-	-	-	-	-	-
20481	3/4, 1/2, 1/3, 1/4 Multi-HP, Condenser Fan, 1075 RPM, 460V, B/B	-	5481H	-	-	-	-	-	-

Note: B/B – Ball Bearing Disclaimer: Every effort has been made to insure the accuracy of motor data and cross reference information. Design changes may result in different operating characteristics or dimensional changes from one manufacturer to another. Therefore, MARS cannot accept responsibility for the ultimate selection. For additional information, please contact MARS.

Cross Reference / MARS Motors

MARS No.	Description	Century/ AO Smith	US Motors/ Emerson	GE/Genteq	Marathon	Packard	GE/Genteq
Azure™ Digi-Motor®							
10800	1/5-1/2HP, Direct Drive ECM, 115/230V, 1050 RPM, B/B	CS1056, CSL 1056	5522ET, 5532ET, 5542ET (1/3 HP & 1/2 HP), 5552ET (1/2 HP)				6001, 6002, 6005, 6103E, 6203E, 6105E, 6205E
10801	1/2-1HP, Direct Drive ECM, 115/230V, 1050 RPM, B/B	CS1106, CSL 1106		5552ET, 5542ET (3/4 HP)			6003, 6004, 6010, 6107E, 6207E, 6110E, 6210E
MARS No.	Description	Century/ AO Smith	US Motors/ Emerson	GE/Genteq	Magnetek		ROTOM
Belted Fan & Blower							
10401	1/4HP, Belted Fan & Blower, 115V, 1725 RPM	GF2024, RB2024	2889, 8000	4701	808, 802	B303, B206	BF-4701
10406	1/3HP, Belted Fan & Blower, 115V, 1725 RPM	GF2034, RB2034	2888, 8100	4706	922, 805	B305, B207	BF-4706
10408	1/2HP, Belted Fan & Blower, 115V, 1725 RPM	GF2054, BF2054	2887, 8200	4708	F681, 811	B208	BF-4708
MARS No.	Description	Century/ AO Smith	US Motors/ Emerson	GE/Genteq	Fasco	GE/Genteq	Magnetek
21/29 Frame Replacement Commercial Refrigeration							
10609	1/10HP, Commercial Refrigeration, 115/230V, 1050 RPM	RF6402, RF6403		F1471	D490, D491	2121, 2122, 2113	608, 609
10611	1/20HP, Commercial Refrigeration, 115/230V, 1550 RPM	-		F1468	D484, D485	2331, 2332, 2341, 2342	610, 611
10615	1/10HP, Commercial, 115/230V, 1550 RPM	329P118, 326P119, RF4400, RF4401		F1469, F1470	D480, D481, D482, D483	2131, 2132, 2141, 2142, 2231, 2232, 2241, 2242	614, 615, 612, 613
MARS No.	Description	Century/ AO Smith	US Motors/ Emerson	Fasco	GE/Genteq	Heil Quaker	York Source 1
Super-Fit™ Multi-Horsepower Condenser Fan							
10722	1/8, 1/10, 1/12HP, Multi-HP, Condenser Fan, 208-230V, 1075 RPM, B/B	9722	5440*	-	5KCP29DCA323S, 5KCP29ECA328S, 5KCP29DCA329S, 5KCP29FCA322S, 02243, 02248, 02249, 02251	-	17416, 17465, 17483, 17484
10723	1/4, 1/5, 1/6HP, Multi-HP, Condenser Fan, 208-230V, 1075 RPM, B/B	9723	5441*, 1901	D1071	5KCP29JCA324S, 5KCP29JCA325S, 5KCP29HCA326S, 5KCP29JCA327S, 5KCP29ECA321S, 02244, 02245, 02246, 02247, 02250	HQ1052662EIM	-
10724	1/4, 1/5, 1/6HP, Multi-HP, Condenser Fan, 208-230V, 1675 RPM, B/B	9724	-	-	-	-	-
*70°C Heat Shield							
MARS No.	Description	Century/ AO Smith	US Motors/ Emerson	Fasco	GE/Genteq	Packard	
3.3" Multi-Horsepower Commercial Refrigeration							
01125	1/12, 1/15, 1/18HP, Evap Fan Motor, 208-230V, 1550 RPM	9720A	9656, 8658, 9664		7190-0442, D1125	-	41125
01127	1/12, 1/15, 1/20HP, Evap Fan Motor, 115/230V, 1550 RPM	9721	9650, 9651, 9652, 9653, 9656, 9662, 9664		D1101, D1103, D1122, D1123, D1124, D1125, D1126, D1127, D1152, D1154, PD1125, PD1127, 7163-2113, 7163-3371, 7190-0442, 7190-2084, 7190-2255, 7190-2285, 7190-2969	5KSM59ES2001 5KSM59JSK143S 5KSM59JS5036S 5KSM59LS2262AS	49101
MARS No.	Description	Century/ AO Smith	US Motors/ Emerson	Fasco	Magnetek	RMR	
3.3" Commercial Refrigeration							
09916	1/30HP, Evap Fan Motor, 115V 1550 RPM	AO126, AO127	-	D532, D181	28, 29	RR-1106	
09917	1/20HP, Evap Fan Motor, 115V 1550 RPM	AO132, AO133	-	D132, D133	572, 574, 30, 31	RR-1107	
09927	1/20HP, Evap Fan Motor, 208-230V 1550 RPM	AO188, AO189		D188, D189	575	RR-4107	
09938	1/30HP, Evap Fan Motor, 115V 1550 RPM	-	9656	D1125	-	-	

Note: B/B – Ball Bearing
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One-On-One™ Replacement Motors

MARS No.	Description	Copeland	US Motors/Emerson	GE/Genteq	Packard
One-On-One™ Replacement Motor for Copeland					
10227	1/3HP, Condenser Fan, 208-230V, 1625 RPM	050-0108-00	6127, K55HXECE2645	5KCP32KG2598, 5KCP32KG175	–
10228	1/6HP, Condenser Fan, 208-230V, 1550 RPM	050-0251-00	6128, K55HSJNG-2974	5KCP32KG221	40251
10229	1/4HP, Condenser Fan, 208-230V, 1625 RPM	050-0250-00	6129, K55HXJZJ-3126		40250
10264	1/4HP, Condenser Fan, 230V, 1550 RPM	050-0238-00, 050-0107-01	6124, K55BZY-1439	5KCP39GG357S	
10265	1/6HP, Condenser Fan, 208-230V, 1550 RPM	050-0265-00	K55PGP5104		40265

MARS No.	Description	Carrier
10234	1/10HP, 208-230V, 1100/1, CW OSE	HC33GE233
5 ½ inch diam., totally enclosed, ball bearing, capacitor required 5 MFD @ 370V (MARS No. 12005, 12905), CW Shaft End		

MARS No.	Description	Goodman
10230	1/4HP, 208-230V, 1100/1, CCW OSE	0131M00019P
5 ½ inch diam., totally enclosed, ball bearing, capacitor required 5 MFD @ 370V (MARS No. 12005, 12905), CCW Shaft End		
10232	1/6HP, 208-230V, 810/1 CCW OSE	0131M00060
5 ½ inch diam., totally enclosed, ball bearing, capacitor required 5 MFD @ 370V (MARS No. 12005, 12905), CCW Shaft End		
10233	1/8HP, 208-230V, 1050/1 CCW OSE	0131M00294
5 ½ inch diam., totally enclosed, ball bearing, capacitor required 5 MFD @ 370V (MARS No. 12005, 12905), CCW Shaft end		
10594	1/2HP, 115V, 1130/4 CW OSE	0131F00022
5 ½ inch diam., totally enclosed, ball bearing, capacitor required 20 MFD @ 370V (MARS No. 12014, 12914), CW Shaft end		

Sunslinger One-On-One Replacement Motor

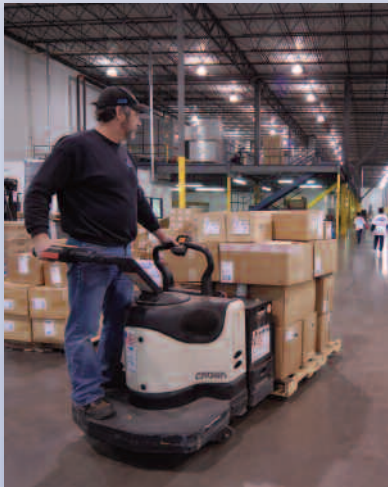
MARS No.	Description	Century/AO Smith
20884	1/8, 1/6, 1/5, 1/4, 1/3 HP, 460V, 825/1 Reversible	ORM4688BF
5 ½ inch diam., totally enclosed, ball bearing, capacitor required 7.5 MFD @ 370V (MARS No. 12007, 12907, 14007), Reversible		

Note: B/B – Ball Bearing

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