

HeatMaster[®]

THE EVOLUTION CONTINUES...



*Formerly A. O. Smith Electrical Products Company
A Regal Beloit Company*

HeatMaster® Benefits

1. 70°C (158°F) Max Ambient

UL and CSA rated for 70°C (158°F) max ambient temperatures

2. Class F Insulation

UL and CSA recognized, non-hygroscopic Class F insulation system achieves superior dielectric strength for long thermal life

3. Extended Warranty

All HeatMaster® motors carry a 3-year warranty from date of manufacture or 2 years from the date of installation

4. Efficiency

Conservationist: energy-efficient PSC designs

5. TEAO*

Totally Enclosed motors suitable for all angle mounting

6. Reversible*

Supplied with water-resistant reversing plugs for quick, easy rotation change

7. High Temperature

High temperature automatic overload protectors reduce nuisance trip outs.

8. Leads*

36" color coded high-temperature leads for easy identification and installation

9. Water Seal*

Water-resistant rubber grommet at lead opening eliminates water seepage into the motor

10. Windings

100% copper windings and optimum winding design minimize losses – resulting in higher efficiencies, increased motor life and lower operating cost

11. Bearings

Double sealed anti-friction ball bearings or dependable high-performance all-angle sleeve bearings for long reliable life

12. Bearing Protection

Large high-temperature nylon glass-filled shaft slinger keeps water and dirt out of the motor bearings

13. Rheem Mounting*

Supplied with pre drilled holes in the shell for easy Rheem mounting: Mounting screws are supplied as an added convenience

14. Rotor Coating

Corrosion-resistant coating on rotor core for longer motor life

15. Drain Plugs*

Easy-to-remove drain plugs in each end frame allow accumulated condensation to be expelled quickly

16. Mounting Bolts*

Adjustable thru-bolts with extensions on each end provide maximum mounting versatility

17. Fasteners*

Extra mounting nuts are supplied to allow for quick installations

18. Diagrams*

Large, easy-to-read connection diagrams are attached to each white lead wire

19. High Torque

Ultra-high-torque designs handle even the heaviest loads

20. Service Factor

Designed with up to 50% more horsepower for replacing motors with large high-pitch fan blades and in low voltage applications

21. Approvals

UL and CSA recognized

* Does not apply to fan canopy motors.

HeatMaster® 4-in-1®

Features:

- 70°C (158°F) max ambient
- UL/CSA approved Class F insulation
- High-temperature UL/CSA approved overload protector
- 3-year warranty from date of manufacture date code, or 2 years from the date of installation
- Energy-efficient PSC design
- Water-resistant reversing plug
- Double sealed ball bearings, or dependable all-angle sleeve bearings
- All-angle mount
- Mounts by belly band, adjustable extended thru-bolts, or Rheem mounting holes, with screws supplied
- Lead length 36"
- 60 Hertz
- Totally enclosed
- Continuous duty, air over
- UL and CSA recognized



Multi-horsepower Replacement Motors

Easy installation, one capacitor (7.5MFD / 370V) and two leads.

Stock No.	HP	Volts	Amps	RPM	Speeds	Frame Size	Rotation	Capacitor	Bearings	Shell Length	Shaft	Wt.
ORM5458F	1/3-1/6	208-230	2.1	1075	1	48	Reversible	7.5MFD / 370V	Sleeve	4.00"	1/2" x 6-1/2"	11.8
ORM5488F	1/3-1/8	208-230	2.1	825	1	48	Reversible	7.5MFD / 370V	Sleeve	4.86"	1/2" x 6-1/2"	15.8
ORM5458BF	1/3-1/6	208-230	2.1	1075	1	48	Reversible	7.5MFD / 370V	Ball	4.00"	1/2" x 6-1/2"	11.8
ORM5488BF	1/3-1/8	208-230	2.1	825	1	48	Reversible	7.5MFD / 370V	Ball	4.86"	1/2" x 6-1/2"	15.8

Cross Reference

4-in-1 Sleeve Bearing

Century	Emerson	GE / Mars	Fasco	Marathon
ORM5458F	5458	N/A	D837	N/A
ORM5488F	1875	N/A	N/A	X072

4-in-1 Ball Bearing

Century	Emerson	GE / Mars	Fasco	Marathon
ORM5458BF	3323	3458	D2827	N/A
ORM5488BF	N/A	3469	D2826	N/A

■ Competitor motors are only rated for 60°C ambient

HeatMaster® 825 RPM – 208-230 Volt

Features:

- 70°C (158°F) max ambient
- UL/CSA approved Class F insulation
- High-temperature UL/CSA approved overload protector
- 3-year warranty from date of manufacture date code, or 2 years from the date of installation
- Energy-efficient PSC design
- All-angle mount
- Mounts by belly band, adjustable extended thru-bolts, or Rheem mounting holes, with screws supplied
- Lead length 48"
- Water-resistant reversing plug
- Double sealed ball bearings, or dependable all-angle sleeve bearings
- 60 Hertz
- Totally enclosed
- Continuous duty, air over
- UL and CSA recognized



Class F Insulation – 70°C (158°F) MAX AMBIENT– Totally Enclosed

Stock No.	HP	Volts	Amps	RPM	Speeds	Frame Size	Rotation	Capacitor	Bearings	Shell Length	Shaft	Wt.
FSE1008SF	1/8	208-230	1.0	825	1	48	Reversible	5MFD / 370V	Sleeve	4.24"	1/2" X 6-1/2"	11.8
FSE1018SF	1/6	208-230	1.1	825	1	48	Reversible	5MFD / 370V	Sleeve	4.11"	1/2" X 6-1/2"	11.4
FSE1028SF	1/4	208-230	1.5	825	1	48	Reversible	5MFD / 370V	Sleeve	4.61"	1/2" X 6-1/2"	13.9
FSE1038SF	1/3	208-230	2.1	825	1	48	Reversible	7.5MFD / 370V	Sleeve	5.11"	1/2" X 6-1/2"	15.0
FSE1058SF	1/2	208-230	2.5	825	1	48	Reversible	10MFD / 370V	Sleeve	5.61"	1/2" X 6-1/2"	16.4

FE1008SF	1/8	208-230	1.0	825	1	48	Reversible	5MFD / 370V	Ball	4.24"	1/2" X 6-1/2"	11.8
FE1018SF	1/6	208-230	1.1	825	1	48	Reversible	5MFD / 370V	Ball	4.11"	1/2" X 6-1/2"	11.4
FE1028SF	1/4	208-230	1.5	825	1	48	Reversible	5MFD / 370V	Ball	4.61"	1/2" X 6-1/2"	13.9
FE1038SF	1/3	208-230	2.1	825	1	48	Reversible	7.5MFD / 370V	Ball	5.11"	1/2" X 6-1/2"	15.0
FE1058SF	1/2	208-230	2.5	825	1	48	Reversible	10MFD / 370V	Ball	5.61"	1/2" X 6-1/2"	16.4

Cross Reference

Sleeve Bearing Condenser Fan Motors

Century	Emerson	GE / Mars	Fasco	Marathon
FSE1008SF	1872	N/A	N/A	N/A
FSE1018SF	1873	3403	D798	N/A
FSE1028SF	1874	3404	D934	X450
FSE1038SF	1875	3405	D796	X451
FSE1058SF	1870	N/A	N/A	X452

Ball Bearing Condenser Fan Motors

Century	Emerson	GE / Mars	Fasco	Marathon
FE1008SF	N/A	3202	N/A	N/A
FE1018SF	N/A	3203	D793	N/A
FE1028SF	N/A	3204	D792	N/A
FE1038SF	N/A	3205	D791	N/A
FE1058SF	N/A	N/A	D790	N/A

■ Competitor motors are only rated for 60°C ambient

HeatMaster® 1075 RPM – 208-230 Volt

Features:

- 70°C (158°F) max ambient
- UL/CSA approved Class F insulation
- High-temperature UL/CSA approved overload protector
- 3-year warranty from date of manufacture date code, or 2 years from the date of installation
- Energy-efficient PSC design
- Water-resistant reversing plug
- Double sealed ball bearings, or dependable all-angle sleeve bearings
- All-angle mount
- Mounts by belly band, adjustable extended thru-bolts, or Rheem mounting holes, with screws supplied
- Lead length 36"
- 60 Hertz
- Totally enclosed
- Continuous duty, air over
- UL and CSA recognized



Class F Insulation – 70°C (158°F) MAX AMBIENT– Totally Enclosed

Stock No.	HP	Volts	Amps	RPM	Speeds	Frame Size	Rotation	Capacitor	Bearings	Shell Length	Shaft	Wt.
FSE1016SF	1/6	208-230	1.4	1075	1	48	Reversible	5MFD / 370V	Sleeve	3.99"	1/2" x 6-1/2"	10.6
FSE1026SF	1/4	208-230	2.0	1075	1	48	Reversible	5MFD / 370V	Sleeve	4.36"	1/2" x 6-1/2"	13.0
FSE1036SF	1/3	208-230	2.8	1075	1	48	Reversible	7.5MFD / 370V	Sleeve	4.86"	1/2" x 6-1/2"	15.9
FSE1056SF	1/2	208-230	4.0	1075	1	48	Reversible	10MFD / 370V	Sleeve	5.36"	1/2" x 6-1/2"	18.0
FSE1076SF	3/4	208-230	5.1	1075	1	48	Reversible	15MFD / 370V	Sleeve	5.61"	1/2" x 6-1/2"	18.3
FE1016SF	1/6	208-230	1.4	1075	1	48	Reversible	5MFD / 370V	Ball	3.99"	1/2" x 6-1/2"	10.6
FE1026SF	1/4	208-230	2.0	1075	1	48	Reversible	5MFD / 370V	Ball	4.36"	1/2" x 6-1/2"	13.0
FE1036SF	1/3	208-230	2.8	1075	1	48	Reversible	7.5MFD / 370V	Ball	4.86"	1/2" x 6-1/2"	15.9
FE1056SF	1/2	208-230	4.0	1075	1	48	Reversible	10MFD / 370V	Ball	5.36"	1/2" x 6-1/2"	18.0
FE1076SF	3/4	208-230	5.1	1075	1	48	Reversible	15MFD / 370V	Ball	5.61"	1/2" x 6-1/2"	18.3

Cross Reference

Sleeve Bearing Condenser Fan Motors

Century	Emerson	GE / Mars	Fasco	Marathon
FSE1016SF	1859	3727	D917	X411
FSE1026SF	1860	3728	D909	X412
FSE1036SF	1861	3729	D908	X413
FSE1056SF	1862	3730	D907	X414
FSE1076SF	1868	3731	D933	N/A

Ball Bearing Condenser Fan Motors

Century	Emerson	GE / Mars	Fasco	Marathon
FE1016SF	N/A	N/A	N/A	X427
FE1026SF	1876	3732	D909	X428
FE1036SF	1877	3733	D908	N/A
FE1056SF	1878	3734	D907	N/A
FE1076SF	1879	3735	D931	N/A

■ Competitor motors are only rated for 60°C ambient

HeatMaster® 1075 RPM – 460 Volt

Features:

- 70°C (158°F) max ambient
- UL/CSA approved Class F insulation
- High-temperature UL/CSA approved overload protector
- 3-year warranty from date of manufacture date code, or 2 years from the date of installation
- Energy-efficient PSC design
- Water-resistant reversing plug
- Double sealed ball bearings
- All-angle mount
- Mounts by belly band, adjustable extended thru-bolts, or Rheem mounting holes, with screws supplied
- Lead length 36"
- 60 Hertz
- Totally enclosed
- Continuous duty, air over
- UL and CSA recognized



Class F Insulation – 70°C (158°F) MAX AMBIENT– Totally Enclosed

Stock No.	HP	Volts	Amps	RPM	Speeds	Frame Size	Rotation	Capacitor	Bearings	Shell Length	Shaft	Wt.
FEH1026SF	1/4	460	1.0	1075	1	48	Reversible	7.5MFD / 370V	Ball	4.74"	1/2" X 6-1/2"	12.7
FEH1036SF	1/3	460	1.3	1075	1	48	Reversible	7.5MFD / 370V	Ball	5.24"	1/2" X 6-1/2"	15.4
FEH1056SF	1/2	460	1.5	1075	1	48	Reversible	10MFD / 370V	Ball	5.61"	1/2" X 6-1/2"	19.0
FEH1076SF	3/4	460	2.2	1075	1	48	Reversible	10MFD / 370V	Ball	6.11"	1/2" X 6-1/2"	21.1

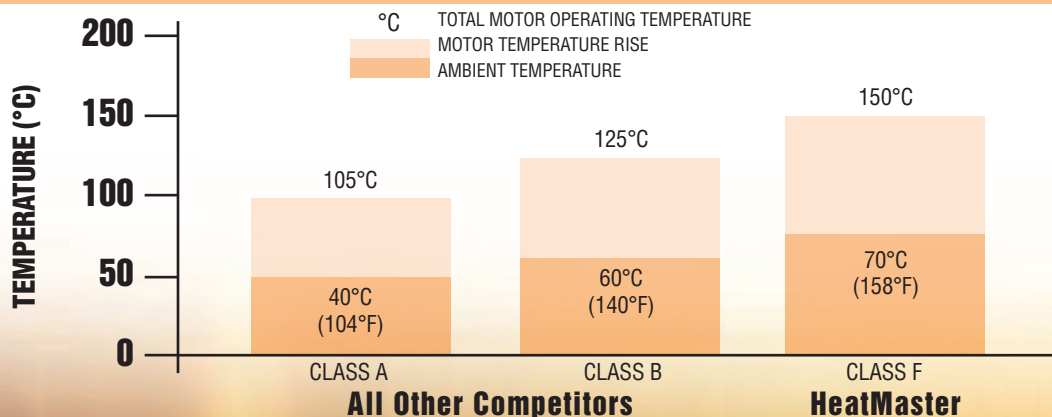
Cross Reference

Condenser Fan Motors

Century	Emerson	GE / Mars	Fasco	Marathon
FEH1026SF	3736	3736	D980	X456
FEH1036SF	3737	3737	D982	X457
FEH1056SF	3738	3738	D802	X458
FEH1076SF	3742	3739	D1914	X459

■ Competitor motors are only rated for 60°C ambient

NEMA Insulation Class Comparison



Compare to see why HeatMaster Class F insulation motors are the serviceman's choice for high ambient replacement motors.

HeatMaster® Fan Canopy

Features:

- 70°C (158°F) max ambient
- UL/CSA approved Class F insulation
- 3-year warranty from date of manufacture date code, or 2 years from the date of installation
- Energy-efficient PSC and three phase design
- Patented fan canopy
- Vertical shaft up only
- Open, air over
- Double sealed ball bearings
- Reversible
- 60 Hertz only
- UL and CSA recognized



New!
Single &
Three Phase Design

SINGLE PHASE (Single Phase Motors [Except 1-1/2 HP] Suitable For Use With Some Solid State Speed Control Devices)
(Capacitor Not Included)

Stock No.	HP	Volts	Amps		RPM	Speeds	Frame Size	Rotation	Capacitor	Bearings	Shell Length	Shaft	Wt.
			230V	460V									
FC1046F	.4	200-230/460	3.2	1.6	1075	1	48	Reversible	5MFD / 440V	Ball	5-5/16	1/2" Flat x 3-9/16"	18
FC1066F	.6	200-230/460	4.0	2.0	1075	1	48	Reversible	7.5MFD / 440V	Ball	6-15/16	1/2" Flat x 3-9/16"	19
FC1066AF	.6	200-230/460	4.0	2.0	1075	1	48	Reversible	7.5MFD / 440V	Ball	6-15/16	5/8" Flat & Key x 3-9/16	19
FC1086F +	.8	200-230/460	4.6	2.3	1075	1	48	Reversible	20MFD / 370V	Ball	8-13/16	1/2" Flat x 3-9/16"	27
FC1086AF	.8	200-230/460	4.6	2.3	1075	1	48	Reversible	20MFD / 370V	Ball	8-13/16	5/8" Flat & Key x 3-9/16"	27
FC1106F*	1	200-230/460	6.4	3.2	1075	1	48	Reversible	25MFD / 370V	Ball	9-9/16	5/8" Flat & Key x 4-1/16"	32
FC1156F *	1½	200-230/460	7.0	3.5	1075	1	48	Reversible	25MFD / 370V	Ball	10-1/6	5/8" Flat & Key x 4-1/16"	35

THREE PHASE

Stock No.	HP	Volts	Amps		RPM	Speeds	Frame Size	Rotation	Capacitor	Bearings	Shell Length	Shaft	Wt.
			230V	460V									
FC3056F	1/2	200-230/460	3.0	1.5	1140	1	48	Reversible	Three Phase	Ball	6-15/16	1/2" Flat x 3-9/16"	19
FC3076F	3/4	200-230/460	4.0	2.0	1140	1	48	Reversible	Three Phase	Ball	9-1/16	5/8" Flat & Key x 4-1/16"	25
FC3106F *	1	200-230/460	5.6	2.8	1140	1	48	Reversible	Three Phase	Ball	9-9/16	5/8" Flat & Key x 4-1/16"	32
FC3156F *	1½	200-230/460	5.8	2.9	1120	1	48	Reversible	Three Phase	Ball	9-9/16	5/8" Flat & Key x 4-1/16"	33

Notes:

+ Includes 5/8" adapter and key

* All 1 HP and 1-1/2 HP motor supplied with conversion kit allowing to be used in most 56 frame applications

Cross Reference

Single Phase Deluxe Commercial Condenser Fan Motor

Century	Emerson	GE / Mars	Fasco	Marathon
FC1086F	N/A	03945■	D2710■	X445
FC1066F	N/A	03946■	D2711■	X446
FC1066AF	N/A	03196■	D2712■	N/A
FC1086F	N/A	03197■	D2714■	X447■
FC1086AF	N/A	03198■	D2715■	N/A
FC1106F	N/A	03199■	D2714■	X448■
FC1156F	N/A	N/A	N/A	X449■

Single Phase Deluxe Commercial Condenser Fan Motor

Century	Emerson	GE / Mars	Fasco	Marathon
FC3056F	N/A	K1403 / 01403■	N/A	N/A
FC3076F	N/A	K1404 / 01404■	D2720■ / D2721■	N/A
FC3106F	N/A	04699■	N/A	X235
FC3156F	N/A	N/A	N/A	N/A

■ Competitor motors are only rated for 60°C ambient

HeatMaster® Testimonials

"Great idea. Easy to sell. No brainer for the contractor. Why not use a higher ambient motor for all applications, plus it has a great warranty at an affordable price."

Dennis Cooney - Des Moines, IA

"The new Century® line of HeatMaster motors are the ticket. I can stock four motors that will replace most condenser fan applications. And for only a couple of dollars more the customer gets a 70°C motor to reduce call backs and a 3 year warranty. It doesn't get much better than that."

John Payne - Alexandria, VA

"With an ambient temperature rating of 158°F and a thermal overload set at an amazing 300°F, The HeatMaster line of motors is providing unmatched durability and value. The bar has definitely been raised!"

Todd Hartson - Owosso, MI

"The HeatMaster motor is becoming very popular with contractors. The high temperature application, thru bolts and all angle mount is preferred over other condenser motors. The three year warranty is a great bonus!"

Rich Snyder - Lansing, MI

"The HeatMaster motor line is a product offering that has been needed in the industry for a long time."

Joe Gregory - Park Hill, KY

"United Refrigeration's branch in Las Vegas, NV is stocking your HeatMaster. Our customers like all of the features of this motor and the 3 year warranty. I think this motor is the best in the field."

William Kerr - Philadelphia, PA

"The HeatMaster line offers a new level of service, protection and commitment to the HVAC/R industry with its class F insulation for superior quality and a 3 year warranty which proves this motor is the real deal. Plus these motors are affordably priced so they won't cost you an arm and a leg."

Brandon Clark - Denton, TX

"I tell my customers not to overlook the HeatMaster 70° motor. I tell them they need to supply their customers with a motor that can withstand the Phoenix heat."

Wally Terry - Phoenix, AZ

"We have customers coming in looking for the 70°C motor. You guys hit a home run on this one."

Karl Weiss - Scottsdale, AZ

"I'm glad that we finally have a product that will not only compete with, but will send the competition back to the drawing board. And the 3 year warranty is pretty tough to beat! Keep up the good work."

Frank Sulima - Mississauga, ON

"We have several contractors that will only carry the HeatMaster line on the service trucks. With south Texas 100° ambient days why trust anything else."

Darryl Loggin - San Antonio, TX

"Go to the head of the class Century! The HeatMaster not only reduces wholesaler sku's it also helps the contractor reduce the inventory investment of each company's service truck. First to the market with great products, leaders in the HVAC industry with innovative ideas."

Stephen Jones - Houston, TX

Your Authorized Distributor is:

NOW AVAILABLE! FAX OR PHONE YOUR ORDER TODAY!



Universal Electric Motors
6200 Dixie Road, Unit 1
Mississauga, Ontario, L5T 2E1
Tel: (905) 670-3380
Toll Free: 1-877-670-3380
Fax: (905) 670-7637 www.uem.ca



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