

HEATMASTER® 70°C MOTORS

Centurys 70°C

FOR HVAC/R CONDENSER FAN APPLICATIONS

CONSERVATIO

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HEATMASTER® 4-IN-1® MOTORS

SPECIFICATIONS

- 70°C (158°F) max ambient
- UL/CSA approved Class F insulation
- High-temperature UL/CSA approved overload protector
- All HeatMaster motors carry a warranty running until the sooner to occur of 2 years from the date of installation or 3 years from the date of manufacture
- 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 OEM compatible mounting holes, with screws supplied
- Lead length 36"
- 60 hertz





- 1 speed
- Totally enclosed
- Continuous duty, air over
- UL and CSA recognized

CLASS F INSULATION - 70°C (158°F) MAX AMBIENT - MULTI-HORSEPOWER REPLACEMENT MOTORS

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

STOCK NUMBER	HP	VOLTS	AMPS	RPM	FRAME SIZE	ROTATION	CAPACITOR	BEARINGS	SHELL LENGTH	SHAFT	WT.
ORM5458F	1/3-1/6	208-230	2.1	1075	48	Reversible	7.5MFD / 370V	Sleeve	4.00"	1/2" × 6-1/2"	11.8
ORM5488F	1/3-1/8	208-230	2.1	825	48	Reversible	7.5MFD / 370V	Sleeve	4.86"	1/2" × 6-1/2"	15.8
ORM5458BF	1/3-1/6	208-230	2.1	1075	48	Reversible	7.5MFD / 370V	Ball	4.00"	1/2" × 6-1/2"	11.8
ORM5488BF	1/3-1/8	208-230	2.1	825	48	Reversible	7.5MFD / 370V	Ball	4.86"	1/2" x 6-1/2"	15.8



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

HEATMASTER® MOTORS

SPECIFICATIONS

- 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 OEM compatible mounting holes, with screws supplied
- Lead length 48" on 820 RPM models
- Lead length 36" on 1075 RPM models
- Water-resistant reversing plug
- Double-sealed ball bearings, or dependable all-angle sleeve bearings



- 60 hertz
- 1 speed
- Totally enclosed
- Continuous duty, air over

Condensei

Fan

HeatMaster

• UL and CSA recognized

CLASS F INSULATION - 70°C (158°F) MAX AMBIENT - TOTALLY ENCLOSED

STOCK NUMBER	HP	VOLTS	AMPS	RPM	FRAME SIZE	ROTATION	CAPACITOR	BEARINGS	SHELL LENGTH	SHAFT	WT.
825 RPM - 208-230 VOLTS											
FSE1008SF	1/8	208-230	1.0	825	48	Reversible	5MFD / 370V	Sleeve	4.24"	1/2" x 6-1/2"	11.8
FSE1018SF	1/6	208-230	1.1	825	48	Reversible	5MFD / 370V	Sleeve	4.11"	1/2" × 6-1/2"	11.4
FSE1028SF	1/4	208-230	1.5	825	48	Reversible	5MFD / 370V	Sleeve	4.61"	1/2" x 6-1/2"	13.9
FSE1038SF	1/3	208-230	2.1	825	48	Reversible	7.5MFD / 370V	Sleeve	5.11"	1/2" × 6-1/2"	15.0
FSE1058SF	1/2	208-230	2.5	825	48	Reversible	10MFD / 370V	Sleeve	5.61"	1/2" x 6-1/2"	16.4
FE1008SF	1/8	208-230	1.0	825	48	Reversible	5MFD / 370V	Ball	4.24"	1/2" x 6-1/2"	11.8
FE1018SF	1/6	208-230	1.1	825	48	Reversible	5MFD / 370V	Ball	4.11"	1/2" x 6-1/2"	11.4
FE1028SF	1/4	208-230	1.5	825	48	Reversible	5MFD / 370V	Ball	4.61"	1/2" x 6-1/2"	13.9
FE1038SF	1/3	208-230	2.1	825	48	Reversible	7.5MFD / 370V	Ball	5.11"	1/2" x 6-1/2"	15.0
FE1058SF	1/2	208-230	2.5	825	48	Reversible	10MFD / 370V	Ball	5.61"	1/2" x 6-1/2"	16.4
1075 RPM - 208-230 VOLTS											
FSE1016SF	1/6	208-230	1.4	1075	48	Reversible	5MFD / 370V	Sleeve	3.99"	1/2" x 6-1/2"	10.6
FSE1026SF	1/4	208-230	2.0	1075	48	Reversible	5MFD / 370V	Sleeve	4.36"	1/2" × 6-1/2"	13.0
FSE1036SF	1/3	208-230	2.8	1075	48	Reversible	7.5MFD / 370V	Sleeve	4.86"	1/2" × 6-1/2"	15.9
FSE1056SF	1/2	208-230	4.0	1075	48	Reversible	10MFD / 370V	Sleeve	5.36"	1/2" × 6-1/2"	18.0
FSE1076SF	3/4	208-230	5.1	1075	48	Reversible	15MFD / 370V	Sleeve	5.61"	1/2" x 6-1/2"	18.3
FE1016SF	1/6	208-230	1.4	1075	48	Reversible	5MFD / 370V	Ball	3.99"	1/2" x 6-1/2"	10.6
FE1026SF	1/4	208-230	2.0	1075	48	Reversible	5MFD / 370V	Ball	4.36"	1/2" x 6-1/2"	13.0
FE1036SF	1/3	208-230	2.8	1075	48	Reversible	7.5MFD / 370V	Ball	4.86"	1/2" x 6-1/2"	15.9
FE1056SF	1/2	208-230	4.0	1075	48	Reversible	10MFD / 370V	Ball	5.36"	1/2" × 6-1/2"	18.0
FE1076SF	3/4	208-230	5.1	1075	48	Reversible	15MFD / 370V	Ball	5.61"	1/2" x 6-1/2"	18.3
1075 RPM - 460 VOLTS											
FEH1026SF	1/4	460	1.0	1075	48	Reversible	7.5MFD / 370V	Ball	4.74"	1/2" × 6-1/2"	12.7
FEH1036SF	1/3	460	1.3	1075	48	Reversible	7.5MFD / 370V	Ball	5.24"	1/2" x 6-1/2"	15.4
FEH1056SF	1/2	460	1.5	1075	48	Reversible	10MFD / 370V	Ball	5.61"	1/2" x 6-1/2"	19.0
FEH1076SF	3/4	460	2.2	1075	48	Reversible	10MFD / 370V	Ball	6.11"	1/2" x 6-1/2"	21.1

HEATMASTER® FAN CANOPY MOTORS

SPECIFICATIONS

- 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
- 1 speed
- UL and CSA recognized



CLASS F INSULATION - 70°C (158°F) MAX AMBIENT - FAN CANOPY

STOCK Number	HP	VOLTS	AMPS 230V	AMPS 460V	RPM	FRAME SIZE	ROTATION	CAPACITOR	BEARINGS	SHELL LENGTH	SHAFT	WT.
SINGLE PHA	SE (Sin	gle phase motor	s (Excep	ot 1-1/2	HP] suita	able for u	se with some	solid state speed	control devi	ces) (Capa	citor not included)	
FC1046F	.4	200-230/460	3.2	1.6	1075	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	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	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	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	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	48	Reversible	25MFD/370V	Ball	9-9/16	5/8" Flat & Key x 4-1/16"	32
FC1156F*	1 1/2	200-230/460	7.0	3.5	1075	48	Reversible	25MFD/370V	Ball	10-1/6	5/8" Flat & Key x 4-1/16"	35
THREE PHASE												
FC3056F	1/2	200-230/460	3.0	1.5	1140	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	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	48	Reversible	Three Phase	Ball	9-9/16	5/8" Flat & Key x 4-1/16"	32
FC3156F*	1 1/2	200-230/460	5.8	2.9	1120	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 motors are supplied with a conversion kit allowing motors to be used in most 56 frame applications.

HEATMASTER® MOTORS TESTIMONIALS

"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 - Rich Snyder - Lansing, MI motors.

"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 line of HeatMaster motors is 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. It doesn't get much better than that."

- John Payne - Alexandria, VA

HEATMASTER® MOTORS

FEATURES

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. BEARINGS

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

4. WINDINGS

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

5. MULTIPLE MOUNTING OPTIONS*

Supplied with pre-drilled holes in the shell for easy OEM mounting; mounting screws are supplied as an added convenience

6. TEAO*

Totally Enclosed motors suitable for all-angle mounting

7. REVERSIBLE*

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

8. HIGH TEMPERATURE

High temperature automatic overload protectors reduce nuisance trip outs

9. LEADS*

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

10. WATER SEAL*

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

11. EFFICIENCY

 $\label{eq:conservation} Conservationist^{\texttt{®}} \, \text{motor: energy-efficient PSC} \\ designs$

12. BEARING PROTECTION

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

13. ROTOR COATING

Corrosion-resistant coating on rotor core for longer motor life

14. DRAIN PLUGS*

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

15. MOUNTING BOLTS*

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

16. FASTENERS*

Extra mounting nuts are supplied to allow for quick installations

17. DIAGRAMS*

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

18. HIGH TORQUE

Ultra-high-torque designs handle even the heaviest loads

19. SERVICE FACTOR

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

20. EXTENDED WARRANTY

All HeatMaster motors carry a warranty running until the sooner to occur of 2 years from the date of installation or 3 years from the date of manufacture.

21. APPROVALS

UL and CSA recognized

* Does not apply to fan canopy motors.



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APPLICATION CONSIDERATIONS

The proper selection and application of products and components, including the related area of product safety, is the responsibility of the customer. Operating and performance requirements and potential associated issues will vary appreciably depending upon the use and application of such products and components. The scope of the technical and application information included in this publication is necessarily limited. Unusual operating environments and conditions, lubrication requirements, loading supports, and other factors can materially affect the application and operating results of the products and components. This factors can materially affect the application and operating results of the products and components and the customer should carefully review its requirements. Any technical advice or review furnished by Regal Beloit America, Inc. and/or its affiliates ("Regal") with respect to the use of products and components is given in good faith and without charge, and Regal assumes no obligation or liability for the advice given, or results obtained, all such advice and review being given and accepted at customer's risk. For a copy of our Standard Terms and Conditions of Sale, please visit http://www.regalbeloit.com (please see link at bottom of page to "Standard Terms and Conditions of Sale"). These terms and conditions of sale, disclaimers and limitations of liability apply to any

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