

A.O.SMITH
ELECTRICAL PRODUCTS
COMPANY

HeatMaster™

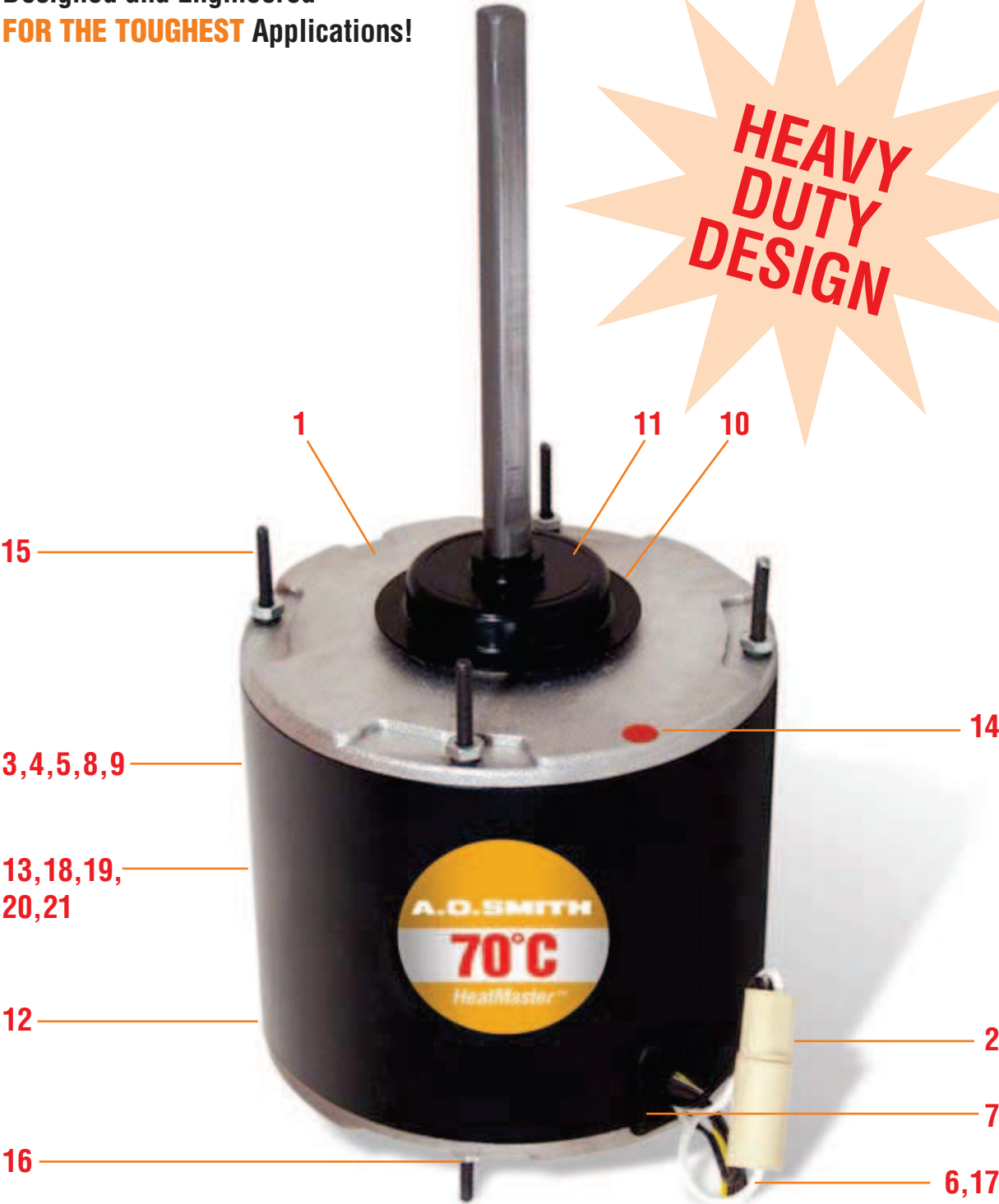
“Where No Motor Has Gone Before”



HeatMaster™ – Features

Designed and Engineered
FOR THE TOUGHEST Applications!

**HEAVY
DUTY
DESIGN**



HeatMaster™ – Features

1. TEAO

Totally Enclosed motors suitable for all angle mounting

2. Reversible

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

3. High Temperature

UL and CSA approved automatic overload reduces nuisance trip outs

4. Class F Insulation

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

5. 70°C Max Ambient

UL and CSA rated for 70°C max ambient temperatures

6. Leads

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

7. Water Seal

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

8. Windings

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

9. Efficiency

Conservationist: energy-efficient PSC designs

10. Bearings

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

11. Bearing Protection

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

12. Rheem Mounting

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

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 allow 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 horsepower for replacing motors with large high-pitch fan blades and in low voltage applications

20. Extended Warranty

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

21. Approvals

UL recognized and CSA certified

HeatMaster™ – Specifications

Features:

- Energy-efficient PSC design
- 3-year warranty from date of manufacture date code, or 2 years from the date of installation
- High-temperature UL/CSA approved overload protector
- UL/CSA approved Class F insulation
- 70°C max ambient
- 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 approved

Class F Insulation – 70°C MAX AMBIENT

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

4-in-1™

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

HeatMaster™

The Coolest Running Motors For The Hottest Applications

The Industry Leader

Ask an industry expert which manufacturer produces the largest variety of condenser fan replacement motors, and they will tell you A. O. Smith. The fact is, A. O. Smith not only has the largest selection, but we also produce the most reliable and highest quality HVAC/R motors available.

For years, we have been recognized for producing motors with consistently high quality, motors that install easily and are priced competitively. But it's our wide variety and assortment of motors that separate us from our competitors. A. O. Smith is a full-line supplier, committed to providing you with a superior range of HVAC/R motors.

New HeatMaster™ Line

Our customers realize that when they purchase an A. O. Smith motor, they have purchased a "field-proven" motor that will meet, and often exceed, their installation and performance needs.

It's that special combination of experience, expertise and matchless workmanship that has allowed us to offer the most advanced replacement motors available in the industry.

The new HeatMaster™ line is now available exclusively through your authorized A. O. Smith distributor.

State of the Art Manufacturing

Our new line of HeatMaster™ condenser fan motors is manufactured at our modern manufacturing facilities. Using sophisticated technology, these facilities achieve maximum productivity, on-time delivery and strict conformity to specifications.

Superior Features

Each HeatMaster™ motor is supplied with UL/CSA approved Class F insulation for 70°C max ambient conditions. UL/CSA approved high temperature thermal overload protectors are used to reduce nuisance trip outs and ultra-high-torque designs mean that HeatMaster™ motors will be able to hold up in even the toughest applications.

3-year Warranty

We are so confident in the design and quality of the HeatMaster™ line that we back it with a 3-year limited warranty.



HeatMaster™ – Cross Reference

Sleeve Bearing Condenser Fan Motors

A. O. Smith	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

A. O. Smith	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

4-in-1 Sleeve Bearing

A. O. Smith	Emerson	GE / Mars	Fasco	Marathon
ORM5458F	5458	N/A	D837	N/A
ORM5488F	1875	N/A	N/A	X072

4-in-1 Ball Bearing

A. O. Smith	Emerson	GE / Mars	Fasco	Marathon
ORM5458BF	3323	3458	D2827	N/A
ORM5488BF	N/A	3469	D2826	N/A

Your Authorized Distributor is:

www.electricmotorwarehouse.com

NOW AVAILABLE! FAX OR PHONE YOUR ORDER TODAY!

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