

TECHNICAL SPECIFICATIONS

CMF3 Series Oil and Gas Furnace

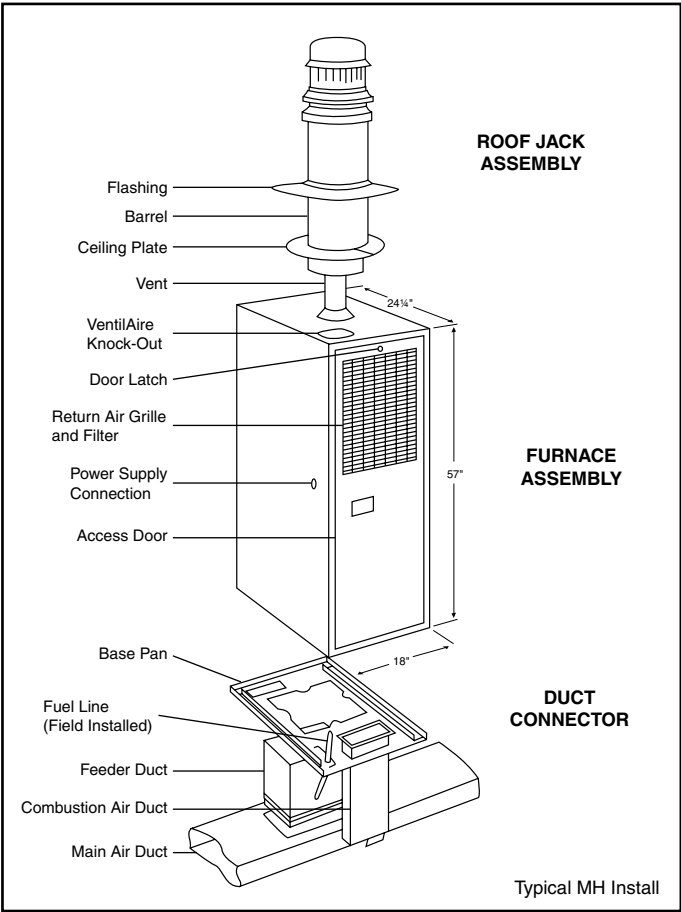
The CMF3 Series Furnace is a classic and time honored design. The CMF3 is a versatile and reliable product used in Manufactured Housing. The new model CMF3 Furnace incorporates a multi-speed blower and multi-fired burner. Classic design countered with new technology make the new CMF3 today's choice for a multi-application fossil fuel heating appliance.



FEATURES and BENEFITS

- Redesigned, three speed, custom fit blower for efficient, quiet and comfortable operation.
- Multi-firing technology in gas and oil burner.
- Resized fan switch eliminates nuisance cycling.
- Beckett oil burners are standard equipment.
- Classic 18" width dimension for tight replacement jobs.
- MA 100, MA 200, and CB 200 bases for versatility in applications.
- Drum/Tubular heat exchanger assures long life.
- Disposable filter (16x25x1) in the door.
- New plunger-style door switch.
- New tilt out door with more louvers for better airflow.
- Insulated cabinet.
- Metal pawl latch firmly secures door to furnace cabinet.

DIMENSIONS



AIRFLOW

UNIT CMF3

| External Static Pressure (in WC) | Airflow (CFM) | | |
|----------------------------------|-------------------------------|----------------------------------|--------------------------------|
| | Low speed For 60 Kbtu/h Input | Medium Speed For 70 Kbtu/h Input | High Speed For 75 Kbtu/h Input |
| 0.1 | 710 | 740 | 820 |
| 0.2 | 670 | 700 | 780 |
| 0.3 | 640 | 660 | 730 |
| 0.4 | 600 | 620 | 680 |
| 0.5 | 550 | 570 | 630 |
| 0.6 | 500 | 520 | 570 |

SPECIFICATIONS

| | CMF3 70 PG Convertible | CMF3 70 PO Convertible |
|--------------------------------------|------------------------|------------------------|
| Factory Set Firing Rate (btu/hr)* | 70,000 | 70,000 |
| Heating Capacity (btu/hr) | 56,000 | 56,000 |
| Kit Converted** Firing Rate (btu/hr) | 60,000 or 75,000 | 60,000 |
| AFUE Rating (%) | 80+ | 80+ |
| Orifice Number for Natural Gas | 22 | N/A |
| Orifice Number for Propane (LP) Gas | 41 | N/A |
| Burner Nozzle for Oil | N/A | 0.50 gph; A; 80° |
| Blower D x W | 10 x 7 | 10 x 7 |
| Motor H.P. -Speed -Type | 1/4 -3 -PSC | 1/4 -3 -PSC |
| Motor FLA | 3.3 Amps | 3.3 Amps |
| Fuse or Breaker | 15 Amps | 15 Amps |
| Temperature Rise Range (Degree F) | 55° - 85° | 55° - 85° |

Note: All models are 115 volt, 60 Hz, 1 phase. Gas connections are 1/2" NPT. Thermostat circuit is 24V, 60 Hz, 15VAC.

AFUE = Annual Fuel Utilization Efficiency

* Ratings to 2,000 ft. Over 2,000 ft, reduce ratings by 4% for each additional 1,000 ft above sea level.

** The firing rate of the CMF series furnaces can be changed using an approved conversion kit.

ACCESSORIES

CMF Conversion Kits

| PART NO. | DESCRIPTION |
|----------|---|
| 1009821 | CMF3PG 70 Kbtu/h to 60 Kbtu/h Conv. Kit |
| 1009822 | CMF3PO 70 Kbtu/h to 60 Kbtu/h Conv. Kit |
| 1009823 | CMF3PG 70 Kbtu/h to 75 Kbtu/h Conv. Kit |
| 1009824 | CMF3PO 70 Kbtu/h to 75 Kbtu/h Conv. Kit |

CMF Base Packages

| PART NO. | DESCRIPTION |
|----------|--|
| 901696 | CB-200A Cottage Base |
| 903452 | MA-200 Base Package with 3" feeder duct |
| 903453 | MA-200 Base Package with 8" feeder duct |
| 903454 | MA-200 Base Package with 13" feeder duct |
| 903450 | MA-100 Universal Base Package with 8" feeder duct |
| 903451 | MA-100 Universal Base Package with 13" feeder duct |

Roofjacks

| PART NO. | DESCRIPTION |
|-----------|----------------------------|
| 104060000 | SRJ1 Roof Jack Assembly |
| 104060003 | SRJ2 Roof Jack Assembly |
| 104060015 | SRJ3 Roof Jack Assembly |
| 104060018 | SRJ4 Roof Jack Assembly |
| 104060024 | SRJ5 Roof Jack Assembly |
| 104360001 | SRJ Roof Jack Extension |
| 104781000 | Crown Assembly Replacement |

Miscellaneous

| PART NO. | DESCRIPTION |
|----------|----------------------------------|
| 902095 | Automatic Shut Off Damper* |
| 901855 | New England Safety Kit |
| 903456 | Combustion Air Inlet Adapter Kit |

*Required when home is air conditioned by a self-contained unit.

Adapters

| PART NO. | DESCRIPTION |
|----------|---------------------------|
| 903893 | (4) 2.5" x 12" Roof Wedge |
| 903894 | (4) 3.0" x 12" Roof Wedge |
| 903895 | (4) 4.0" x 12" Roof Wedge |

Vent Pipes

| PART NO. | DESCRIPTION |
|-----------|------------------|
| 103947002 | Vent Pipe-28 |
| 103947004 | Vent Pipe-34 |
| 103947005 | Vent Pipe-40 |
| 901697 | Offset Vent Pipe |

VentilAire™

| PART NO. | DESCRIPTION |
|----------|-------------------------------|
| 914098B | Ventilaire III |
| 914229B | Ventilaire IV |
| 917201A | Ventilaire Soffit Vent System |

ORDERING INFORMATION

Please specify Model No. and Serial No. along with the exact part number(s) when ordering parts from the nearest authorized Dealer or Service Center.



GENERAL TERMS OF LIMITED WARRANTY

Nortek Global HVAC, LLC will furnish a replacement for any part of this product which fails in normal use and service within the terms and conditions of the warranty.

For complete details of the Limited Warranty, including applicable terms and conditions, see your local installer or contact the Nortek Global HVAC, LLC warranty department for a copy.

Before purchasing this appliance, read important energy cost and efficiency information available from your retailer. Specifications and illustrations subject to change without notice and without incurring obligations. Printed in U.S.A (06/2017)