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## TECHNICAL SPECIFICATIONS

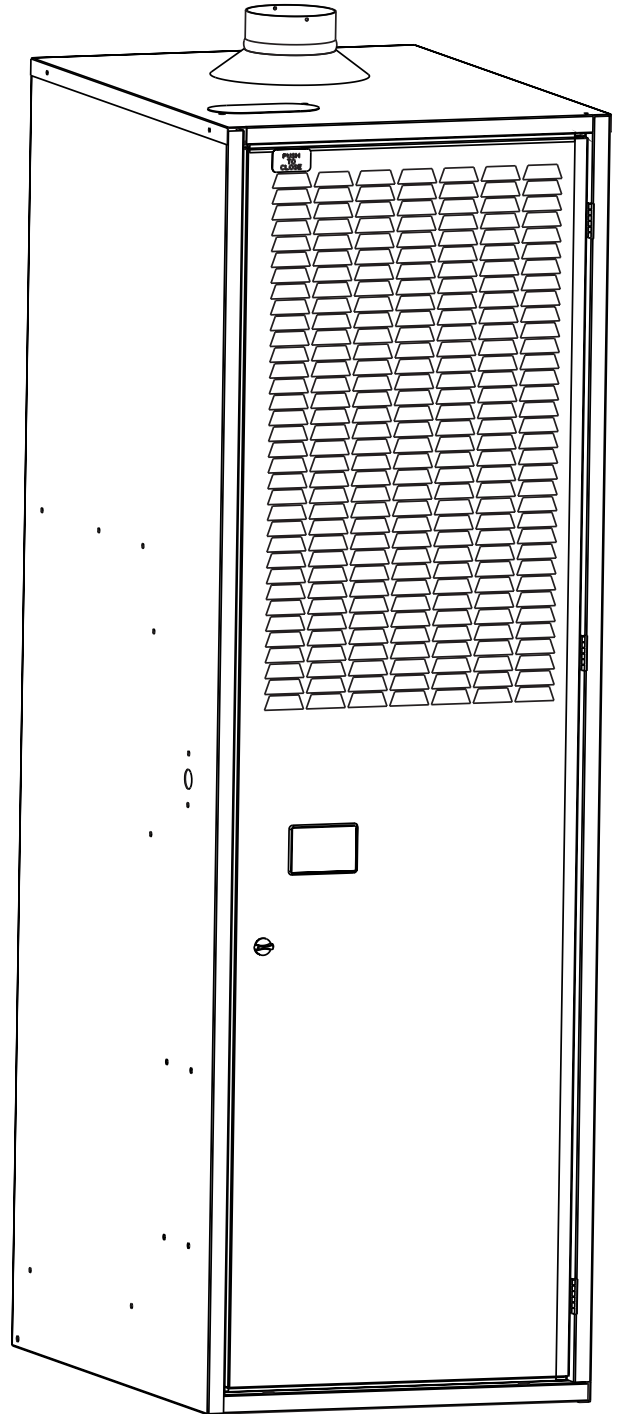
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# CMF Series Oil and Gas Furnace

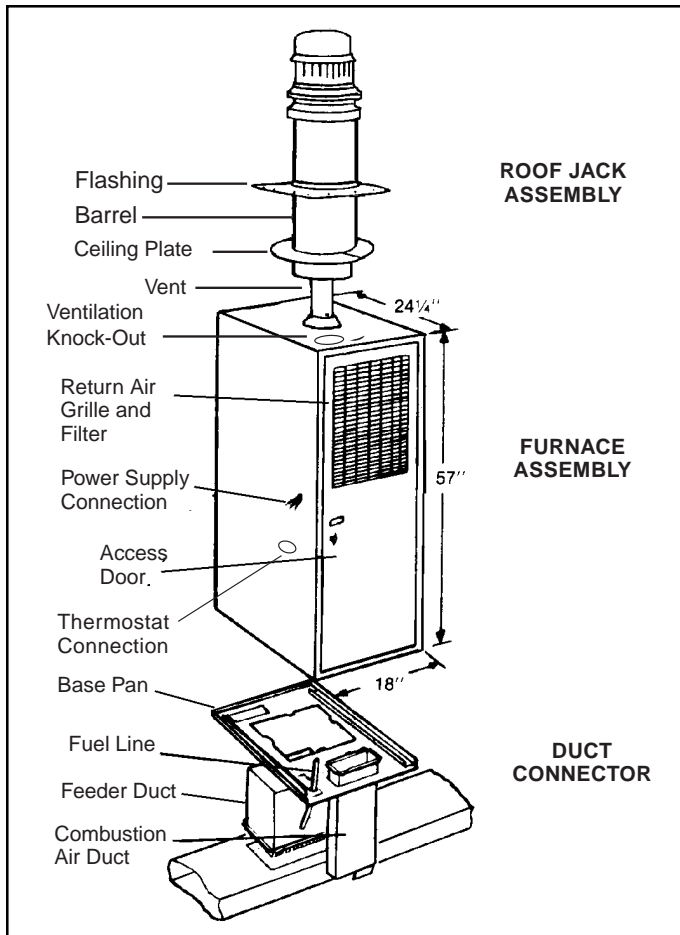
The CMF Series Furnace is a classic and time honored design. The CMF is a versatile and reliable product used in Manufactured Housing and other applications such as space heating, garages, hunting camps or single story residential structures. The new model CMF Furnace incorporates a multi-speed blower and multi-fired burner. Titanium killed steel technology is used in the heat exchanger for strength and durability. Classic design countered with new technology make the new CMF today's choice for a multi-application fossil fuel heating appliance.

### FEATURES and BENEFITS

- Three speed custom fit and painted blower for efficient, quiet operation.
- Multi-firing technology in gas and oil burner.
- Titanium killed aluminized steel process technology used in heat exchanger for strength and durability.
- Resized auxiliary limit 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.



# DIMENSIONS



# AIRFLOW

## UNIT CFM

External Static Pressure (in WC)	Airflow (CFM)		
	Low speed For 65 Kbtu/h Input	Medium Speed For 75 Kbtu/h Input	High Speed For 90 Kbtu/h Input
0.1	730	920	1000
0.2	690	880	960
0.3	650	840	900
0.4	610	780	860
0.5	560	740	810
0.6	510	690	760

# SPECIFICATIONS

	CMF 80 PG Convertible	CMF 80 PO Convertible	CMF 100 PG	CMF 100 PO
Factory Set Firing Rate (btu/hr)*	75,000	75,000	90,000	90,000
Heating Capacity (btu/hr)	56,000	60,000	68,000	72,000
Kit Converted** Firing Rate (btu/hr)	65,000 or 90,000	65,000 or 90,000	N/A	N/A
AFUE Rating (%)	75+	80+	75+	80+
Orifice Number for Natural Gas	20	N/A	16	N/A
Orifice Number for LP	40	N/A	36	N/A
Nozzle for Oil	N/A	0.60 gph; B; 80°	N/A	0.65 gph; B; 80°
Blower D x W	10 x 7	10 x 7	10 x 7	10 x 7
Motor H.P. -Speed -Type	1/3 -3 -PSC	1/3 -3 -PSC	1/3 -3 -PSC	1/3 -3 -PSC
Motor FLA	6.0	6.0	6.0	6.0
Fuse or Breaker	15 Amps	15 Amps	15 Amps	15 Amps
Nom. Anticipator Setting	0.6	0.6	0.6	0.6
Temperature Rise Range (°F)	70-100	70-100	70-100	70-100

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

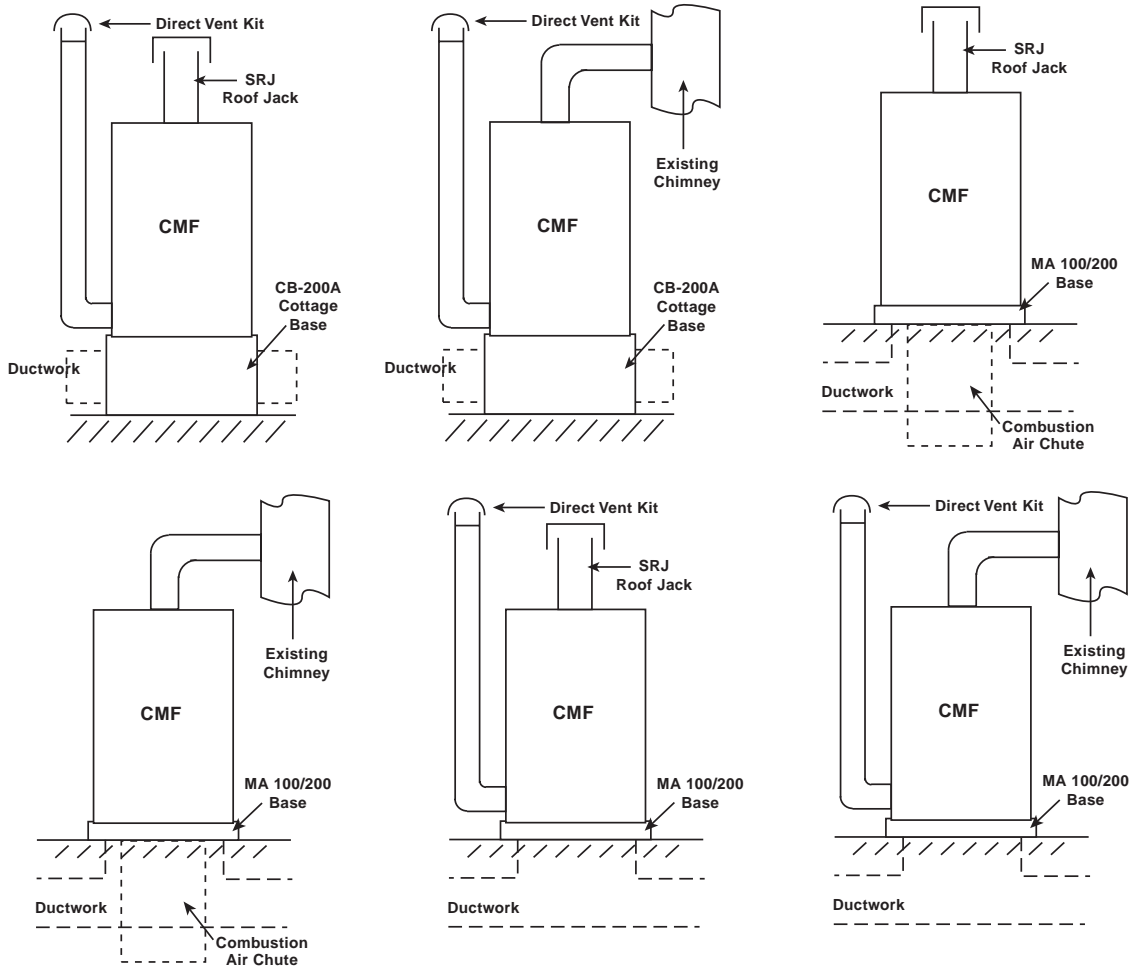
AFUE = Annual Fuel Utilization Efficiency

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

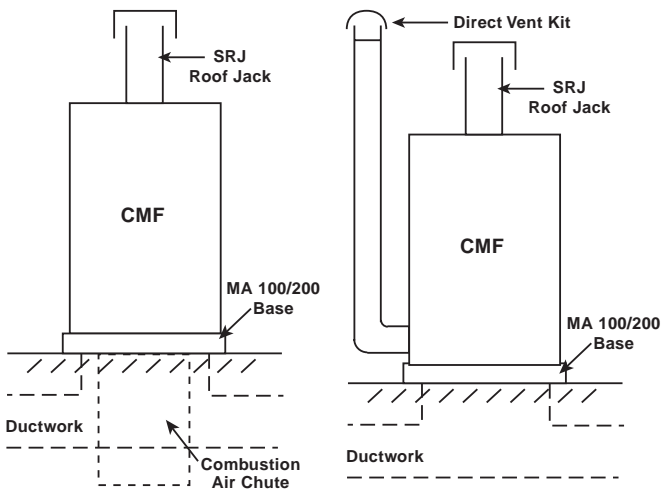
\*\* The firing rate of the CMF 80 Convertible series furnaces can be changed using an approved conversion kit.

# APPLICATIONS

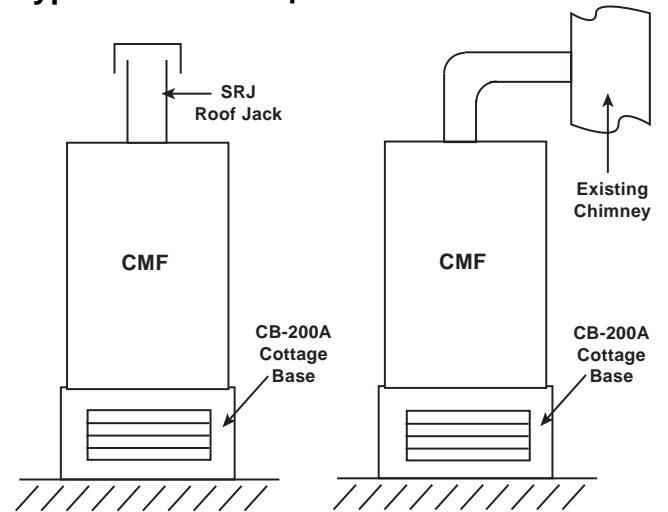
## Direct Vent Residential Single Story Dwelling Type Applications\*:



## Direct Vent Manufactured Housing Applications:



## Residential Single Story Dwelling Type Installations†\*:



NOTE: Direct Vent Kit may be installed on either the right or left side of the furnace.

\* For Non-Manufactured Housing Applications Only.

† A Direct Vent System is not required, but may be installed. A Direct Vent system is one in which the combustion air is drawn from and the flue products are exhausted to the outside air.

# ACCESSORIES

## CMF Conversion Kits

PART NO.	DESCRIPTION
903099	CMF80PG 80 Kbtu/h to 65 Kbtu/h Conv. Kit
903100	CMF80PO 80 Kbtu/h to 65 Kbtu/h Conv. Kit
903101	CMF80PG 80 Kbtu/h to 100 Kbtu/h Conv. Kit
903102	CMF80PO 80 Kbtu/h to 100 Kbtu/h Conv. Kit

## Miscellaneous

PART NO.	DESCRIPTION
104142000	Protective Cap (for two piece roofjack assemblies)
902095	Automatic Shut Off Damper**
901855	New England Safety Kit
903456	Combustion Air Inlet Adapter Kit
903457	Sloped Roof Direct Vent Kit
903496	Combustion Air Pipe Extension Kit (for high snow accumulation areas)

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

## 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

## Adapters

PART NO.	DESCRIPTION
100447000	RA-S2.5 Roof Jack Assembly
100448000	RA-S3.0 Roof Jack Assembly
101561000	RA-S4.0 Roof Jack Assembly

## 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

## Vent Pipes

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

# 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.

