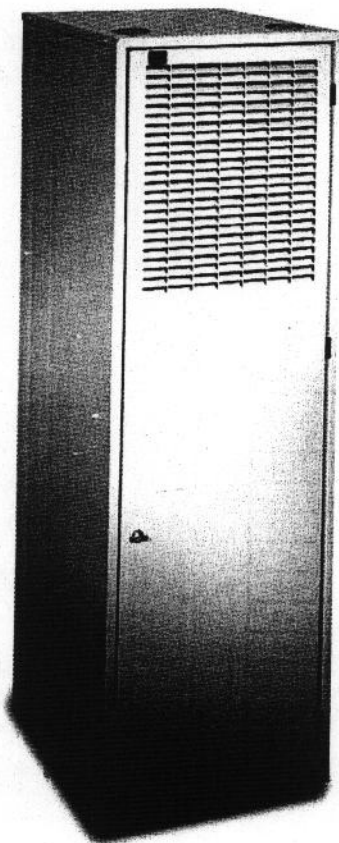


CMF95 Series

Gas Furnace

95.1%+ AFUE
45,000 thru 72,000 Btu/h

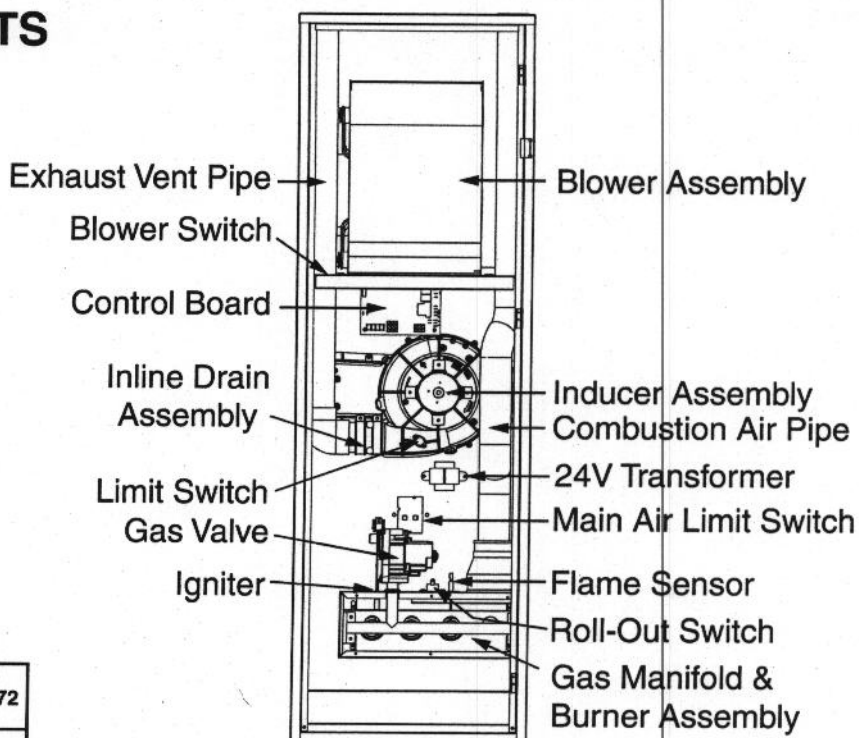
The CMF95 Series Furnace is a classic and time honored design. The CMF95 is a versatile and reliable product used in Manufactured Housing and other applications such as space heating, garages, hunting camps or single story residential structures. The new model CMF95 Furnace incorporates a multi-speed blower and multi-fired burner. Classic design countered with new technology make the new CMF95 today's choice for a multi-application fossil fuel heating appliance.



FEATURES and BENEFITS

- **Classic 18" width dimension** for tight replacement jobs.
- **Beckett gas burners** are standard.
- **100% fired and tested:** All units and each component are tested on the manufacturing line.
- **30 second blower delay** at start-up assures a warm duct temperature at furnace start-up. Adjustable blower off settings (60, 90, 120 and 180 seconds).
- **30 second post purge** increases life of heat exchanger.
- **Hot surface igniter:** Innovative application of a silicon nitride type igniter. Utilizes proven Smartlite® technology.
- **Color coded wire harness:** Designed to fit the components, all with quick-connect fittings for ease of service and replacement.
- **Flexible category IV venting system:** May be vertically or horizontally vented using either a one-pipe or two-pipe system for maximum flexibility in installation.
- **High Static Blowers:** All models equipped with high static blowers.
- **Tubular primary heat exchanger:** Heavy gauge aluminized steel heat exchanger and stainless steel secondary heat exchanger assures a long life.
- **90 second fixed cooling cycle blower-off delay (TDR)** increases cooling performance when matched with a NORDYNE coil.
- **Multi-speed direct drive blower:** Designed to give a wide range of cooling capacities. Switches on PCB, provide ultra easy motor speed selection.
- **LP convertible:** Simple burner orifice and regulator spring change for ease of convertibility.
- **Diagnostic lights for easy troubleshooting without counting flashes:** Dedicated light for flame signal strength and 2 lights in combination to indicate all other fault codes with easy to recognize states without counting flashes.

FURNACE COMPONENTS



SPECIFICATIONS

	CMF95 045	CMF95 072
Input (BTUH)*	45000	72000
Heating Capacity (BTUH)	42750	68400
AFUE (%)	95.1	95.1
Blower D x W (in.)	11 x 8	11 x 8
Motor HP-Speed-Type	1/2 - 4 - PSC	1/2 - 4 - PSC
Motor FLA (Amps)	8.60	8.00
Rated Ext. SP (in. WC)	0.3	0.3
Temperature Rise Range (°F)	25-55	30-60
Fuse or Breaker (Amps)	20	15
Shipping Weights (lbs)	150	155

Note:

All models are 115V, 60 Hz, 1 phase. Gas Connections are 1/2" NPT.

AFUE = Annual Fuel Utilization Efficiency

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

AIRFLOW

CMF95 Maximum Airflow & Temperature Rises

Model Number & Heating Input (BTUH)	Motor Speed	External Static Pressure (Inches Water Column)									
		0.1		0.2		0.3		0.4		0.5	
		CFM	Rise	CFM	Rise	CFM	Rise	CFM	Rise	CFM	Rise
CMF95 045 45,000	HIGH*	1380	29	1335	30	1290	31	1230	32	1175	34
	MED HIGH	1350	29	1295	31	1240	32	1190	33	1135	35
	MED LOW	1100	36	1055	38	1020	39	975	41	920	43
	LOW**	1000	40	970	41	935	42	900	44	860	46
CMF95 072 72,000	HIGH*	1485	43	1440	44	1390	46	1340	47	1290	49
	MED HIGH**	1263	50	1235	51	1205	53	1160	55	1115	57
	MED LOW	1130	56	1100	58	1175	54	1045	61	1000	63
	LOW	880	72	846	75	830	76	805	79	770	82

NOTES:

* Factory Set Cooling Speed

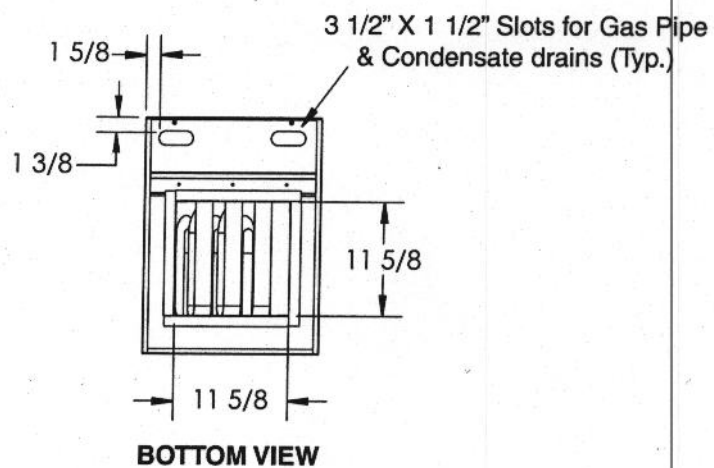
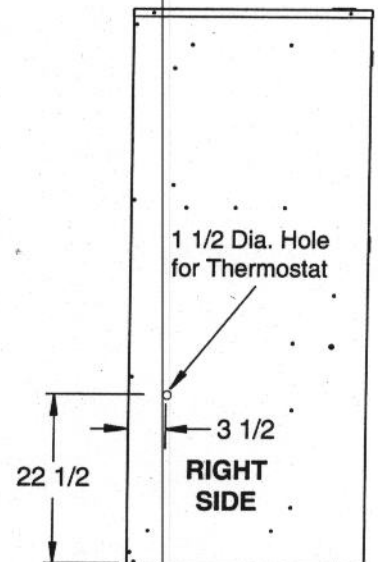
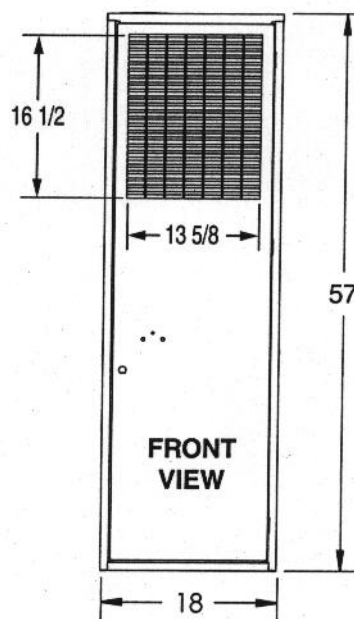
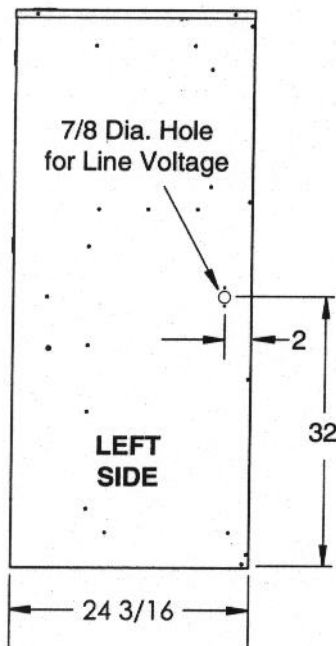
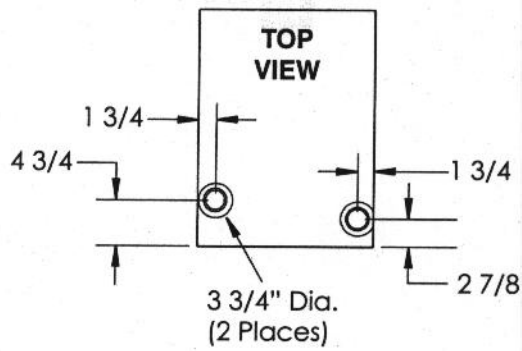
** Factory Set Heating Speed

1. Temperature rises (°F) in the table are approximate. Actual temperature rises may vary.

2. Temperature rises shaded in gray are for reference only. These conditions are not recommended.

3. Airflow performance is with a filter.

FURNACE DIMENSIONS



VENTING

Maximum Direct Vent, Dual Pipe Length (ft.)*	
Furnace Model	Inlet / Outlet 3 in. Diameter
CMF95 045	60
CMF95 072	60

*NOTES:

1. Subtract 3.5 ft. for each additional 3" 90 degree elbow.
2. Two 45 degree elbows are equivalent to one 90 degree elbow.
3. One short radius elbow is equivalent to two long radius elbows
4. Do not include termination elbows in calculation of vent length
5. This table is applicable for elevations from sea level to 2,000 ft.
For higher elevations decrease vent pipe lengths by 8% per 1000 ft. of altitude.
6. Only the listed pipe materials are approved for use with CMF95 condensing furnaces.
7. For Canadian applications, use ULC S636 approved material.

Pipe Materials	ANSI/ASTM Standard
Schedule 40PVC	D1785
PVC-DWV	D2665
SDR-21 & SDR-26	D2241
ABS-DWV	D2661
Schedule 40 ABS	F628
Foam / Cellular Core PVC	F891

ACCESSORIES

CMF Base Packages

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

PART NO.	DESCRIPTION
914098	Sloped Roof VentilAire III Kit
914229	Sloped Roof VentilAire IV Kit
917201	Soffit VentilAire Kit
904953	Concentric Vent Termination Kit
902375	Horizontal Exterior Vent Mounting Kit
902377	Neutralizer Kit
920259	B Cabinet Case Coil Wrapper
921683	Vent Chase Kit

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

NORDYNE will furnish a replacement for any part of this product which fails in normal use and service within the first year of installation, in accordance with the terms of the warranty.

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

NORDYNE

COMPLETE COMFORT. GENUINE VALUE. 8000 Phoenix Parkway I O'Fallon, MO 63368-3827

Specifications and illustrations subject to change without notice and without incurring obligations. Printed in U.S.A (05/2011)

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www.nordyne.com

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8000 Phoenix Parkway
O'Fallon, MO 63368
636.561.7300 main
www.nortekhvac.com

September 1, 2016

Tiffany Lawrence
Blevins Inc.
Liverpool NY

Dear Tiffany;

The traditional MILLER-style CMF2 80 PG DI furnace (904515) is being redesigned to meet increased minimum energy efficiency standards. The new model (to be introduced early in 2017) will be the CMF3 series.

CMF2 80 PG DI furnaces are no longer being supplied by NORTEK.

As a substitute: The following combination of (2) items are shipping in place of orders of the CMF2 80 PG DI (904515) for the remainder of 2016:

921327	CMF95 072 PG
921683	KIT,REPL VENT,CMF95/M7

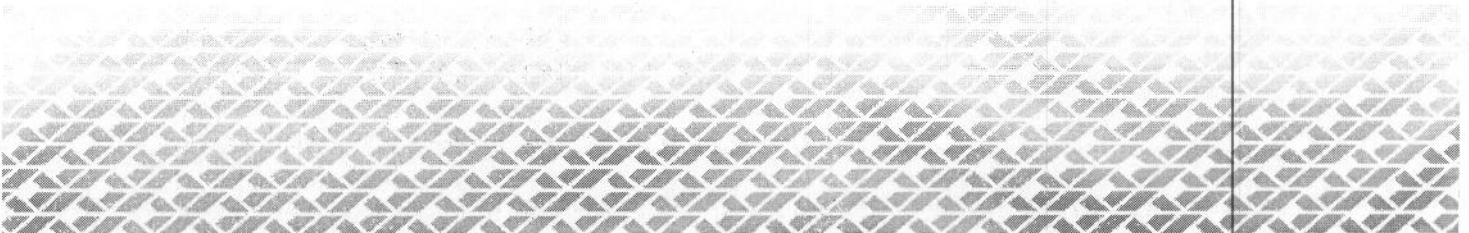
Please inform your installers of this substitution.

Because new standards do not affect the oil version, CMF2 80 PO furnaces continue to be available.

Sincerely,

Joe Shipe
Regional Sales Manager
NORTEK GLOBAL HVAC

CC: M. Parker, S. Bearry



Field Replacement Furnace Vent Transition Kit

INSTALLATION INSTRUCTIONS

For CMF95 / M7RL Series Furnaces

IMPORTANT SAFETY INFORMATION

INSTALLER: Please read all instructions before servicing this equipment. Pay attention to all safety warnings and any other special notes. Safety markings are used frequently throughout these instructions to designate a degree or level of seriousness and should not be ignored.

WARNING - Indicates a potentially hazardous situation that if not avoided, could result in personal injury or death.

WARNING:

This kit is to be installed by a qualified service technician in accordance with these instructions and all codes having jurisdiction. Failure to follow these instructions could result in serious injury, property damage, or death.

These instructions are primarily intended to assist qualified individuals experienced in the proper vent and combustion intake pipe installations of this appliance. Some local codes require licensed installation/service personnel for the installation of this type of equipment. The qualified service technician performing this work assumes responsibility for this furnace installation.

Read these instructions and the corresponding furnace installation instructions carefully before beginning the installation.

ABOUT THE VENT TRANSITION KIT

This kit is to be used for field replacement of a non-condensing manufactured housing with a CMF95 / M7RL series furnace. It may be used at elevations up to 8,000 feet above sea level. The CMF95 / M7RL furnace series are condensing gas furnaces and must be vented with PVC or equivalent pipe to prevent vent corrosion. Using the replacement chase assembly and vent caps in this kit, you may easily install the vent and combustion air intake pipes for the new furnace. Before you begin the installation process, make sure your kit contains all the items listed in Table 1.

KIT CONTENTS

Replacement Vent Caps	Qty: 2
2" Rubber Couplings	Qty: 2
2" Diameter Clamps	Qty: 4
90° Street Elbows	Qty: 2
#10 Sheet Metal Screws	Qty: 6
Vent Chase Assembly	Qty: 1
Instruction sheet	Qty: 1

Table 1. Kit Contents

VENT PIPE MATERIALS

Vent and combustion air pipe and fittings must be one of the following materials in the list and must conform to the indicated ANSI/ASTM standards.

Cement and primer must conform to ATSM Standard D2564 for PVC and Standard D2235 for ABS. When joining PVC piping to ABS, use PVC solvent cement. (See procedure specified in ASTM Standard D3138.)

* In Canada, check the local codes to ensure that SDR is approved for use. SDR is not approved for all Canadian installations.

<u>Materials</u>	<u>Standards</u>
Schedule 40PVC	D1785
PVC-DWV	D2665
SDR-21* & SDR-26*	D2241
ABS-DWV	D2661
Schedule 40 ABS	F628
Foam/Cellular Core PVC	F891

Table 2. Vent Pipe Materials

INSTALLATION OF THE VENT CHASE ASSEMBLY

1. Replace the existing furnace with the new CMF95 / M7RL furnace. See also the installation instructions supplied with the furnace.
2. Remove the existing roof jack or other existing vent assembly completely. The existing holes in the ceiling and roof will serve to install the new vent chase assembly.
3. Verify that the existing holes in the ceiling and roof will accept the new vent chase assembly and the surrounding areas are sound for installation. The holes should be approximately the following sizes:
 - Ceiling = 8 3/4" (222 mm) diameter
 - Roof = 9 3/8" (238 mm) diameter
4. Apply caulking compound on the underside of roof flashing to form a continuous strip at least 3/8" wide around the underside of the perimeter of the flashing.
5. Attach roof flashing. If necessary, shift roof flashing slightly in the roof opening so that the assembly is aligned with furnace. **NOTE:** Optional slant deck flashing may be necessary depending upon installation.
6. Press down firmly on roof flashing (over caulking) to make the seal with roof water tight.
7. Secure flashing with appropriate fasteners. **NOTE:** For added protection against leaks, coat the flashing plate and fasteners with approved roofing compound.

INSTALLATION OF THE VENT & COMBUSTION AIR INTAKE PIPE

1. Choose vent pipe material from Table 2.
2. Attach the supplied large radius 90° street elbows to the furnace vent and combustion air pipes using the 2" rubber couplings and clamps. The upper clamps should be left loose for adjustments during remaining portion of the installation.
3. Place the bottom and top replacement caps on the vent chase. DO NOT screw the caps down at this time.
4. Cut the 2" pipes according to the installation and route vent and combustion air intake pipes through the replacement caps shown in Figure 1.

NOTE: The maximum height from the top of the furnace to the top of the flues pipe must be no longer than 15 feet.

5. Join all the pipes and elbows using appropriate primer and cement.
6. Screw the top and bottom replacement caps to the vent chase.

NOTE: At least two screws must be used on each cap.

7. Tighten the upper hose clamps on the 2" rubber couplings.
8. Secure the upper vent chase pipe to the lower vent chase pipe (at the bottom of the upper chase pipe) using at least two screws. See Figure 1.
9. Seal around the two pipes on the top and bottom replacement caps with silicone sealant.

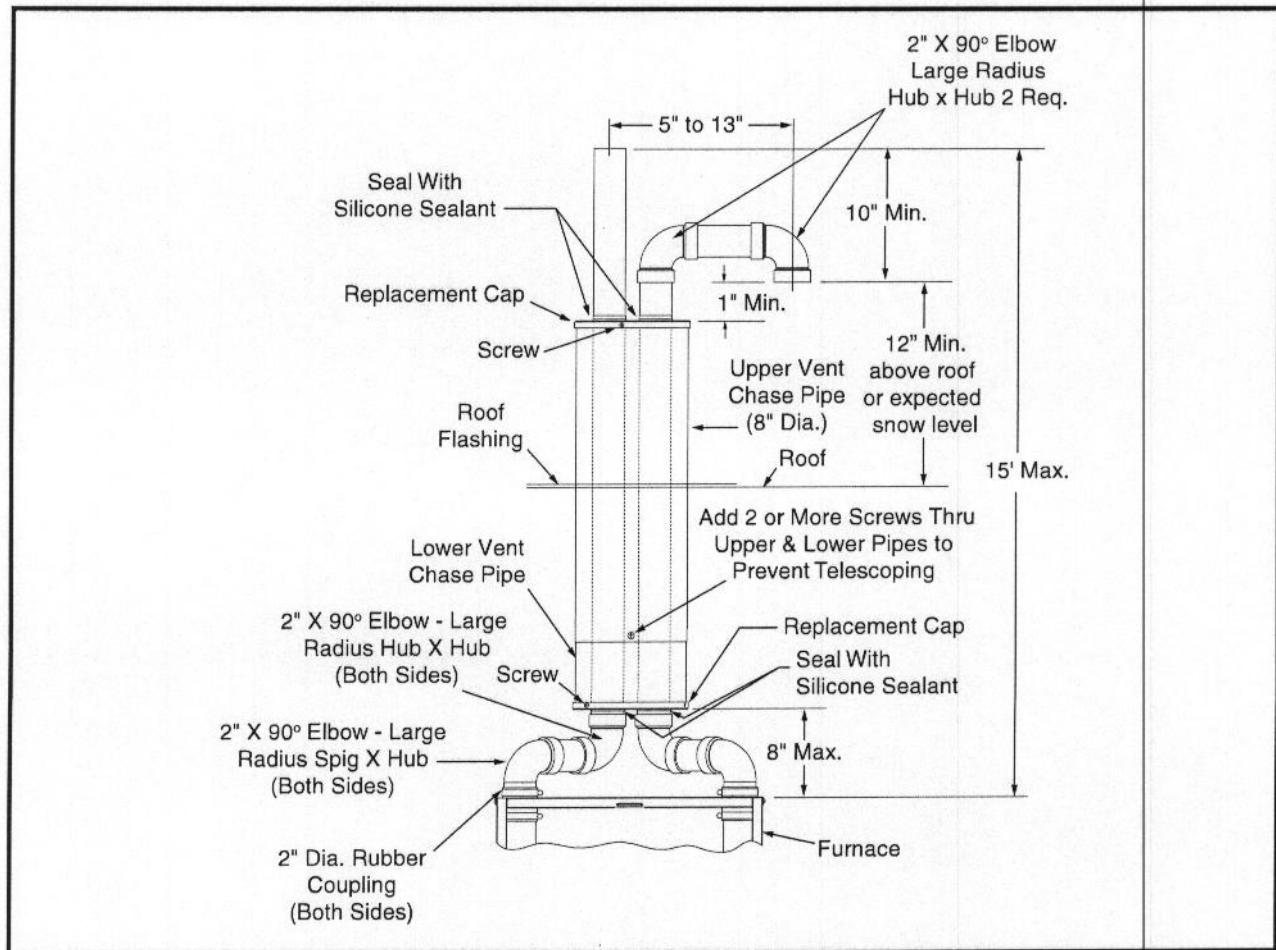


Figure 1. Vent & Combustion Air Intake Pipe Installation