

CB-200A Cottage Base

INSTALLATION INSTRUCTIONS

IMPORTANT SAFETY INFORMATION

These instructions are primarily intended to assist qualified individuals experienced in the proper servicing of heating and air conditioning appliances. Some local codes require licensed installation/service personnel for this type equipment. Use of this kit must be in accordance with these instructions and with all applicable national and local codes and standards.

WARNING:

Failure to properly install the furnace, base assembly, and venting system as described herein may damage the equipment and/or the home, create a fire or asphyxiation hazard, and violates U.S. listing requirements, and will void the warranty.

- The information shown in these instructions must be followed during the installation of this kit. Unqualified individuals should not attempt to interpret these instructions or install this equipment. If you do not possess mechanical skills or tools, call your local dealer for assistance.

- Use caution when removing components or handling this product. Personal injury can occur from sharp metal edges present in all sheet metal constructed equipment.

ABOUT THE CB-200A COTTAGE BASE

The model CB-200A cottage base is designed for use with a CMF series furnace and can be used in two different installations See Table 1:

- A residential† single-story dwelling type installation, for which no ductwork can be used. In some special cases, a direct vent system‡ is required for this type of installation. Refer to the Combustion and Ventilation Air Requirements section (in the furnace Installation instructions) for more details.
- A direct vent residential† single-story dwelling type installation, for which ductwork can be attached to the cottage base.

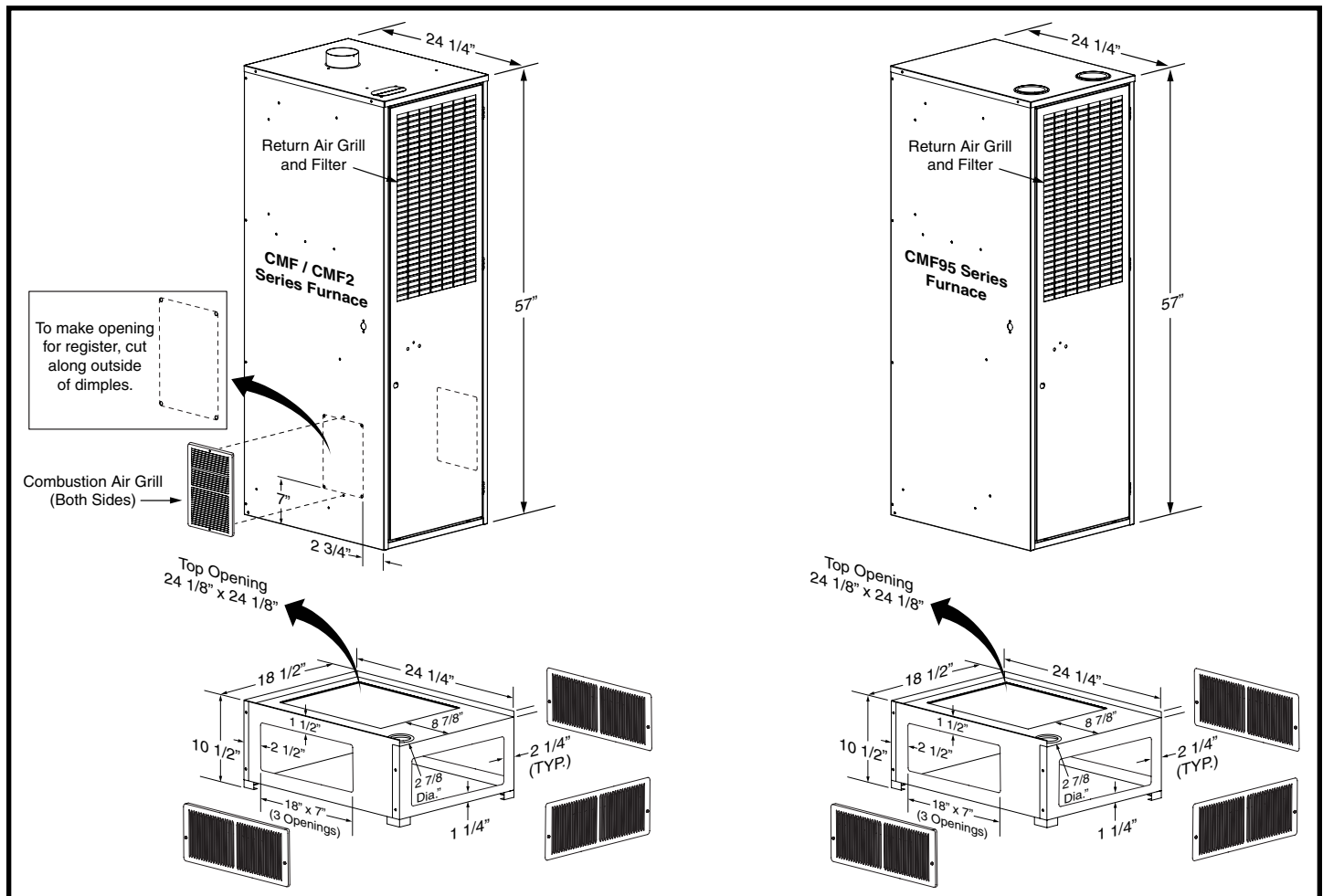


Figure 1. CMF / CMF2 / CMF95 Cottage Base Installation

TYPE OF INSTALLATION	DUCTED APPLICATION	DIRECT VENT SYSTEM REQUIRED ‡	FLUE PRODUCTS EXHAUSTED BY
CMF / CMF2 Residential†	Yes	Yes	NORDYNE SRJ Roof Jack or an Existing Chimney**
CMF / CMF2 Residential†	No	No*	NORDYNE SRJ Roof Jack or an Existing Chimney**
CMF95	Yes	Yes	PVC Vent

† Residential is only defined herein as a non-manufactured housing single-story dwelling type application.

‡ A direct vent system is one that draws the combustion air directly from outside the home through an air pipe.

* In some installations, a direct vent system must be used. Refer to the Combustion and Ventilation Air Requirements section of the furnace's installation instructions.

** For more information about properly venting this appliance through an existing chimney, refer to the Venting Requirements section in the chimney kit manual or the furnace's installation instructions.

Table 1. Cottage Base Installation Requirements

	FRONT	BACK	SIDES	TOP	VENT PIPE (CMF / CMF2)
Minimum Clearance	36	3	2	17	9

* CMF / CMF2 rear clearance may be zero inches, but vent clearance will then be reduced to 6 inches. Refer to the NFPA for requirements to achieve 6 inch vent clearance.

** The minimum clearance to the warm air registers of the cottage base must be 36 inches. Use a blank off panel (#100427) to replace register when clearance is less than 36 inches.

Table 2. Minimum Clearances to Adjacent Materials

BASE INSTALLATION WITHOUT DUCTWORK ATTACHED

Conditioned Air Distribution

This type of installation must not have ductwork attached to the cottage base or use the cottage base as a plenum for ductwork. The conditioned air must be distributed to the room by the registers of the cottage base. **NOTE:** The front register is not adjustable and remains fully open.

Combustion Air for the CMF / CMF2 Furnace

The combustion air may be drawn directly from the conditioned space using the side panel grilles, as shown in Figure 1. However, some installations require a direct vent system. Refer to the "Combustion and Ventilation Air Requirements" section (in the furnace Installation instructions) for more details.

Combustion Air for the CMF95 Furnace

Combustion air for the CMF95 furnace is drawn directly from outside the home. Refer to the CMF95 Installation Instructions for other installation configurations and requirements.

Unit Location and Clearances to Adjacent Material Requirements

- The unit must be installed in a level position.
- The base should be located on a hard surface. When the furnace location is carpeted, a hard surface platform underneath the cottage base must be used.
- The unit may be located in a corner or with the rear of the unit against an open wall, as shown in Figure 2 and Figure 3.
- The furnace and cottage base must be installed with the minimum clearances from adjacent materials as stated in Table 2. **NOTE:** Additional clearance should be provided to permit servicing of filters, blower, motors, controls, combustion air connections, and vent connections.

Combustion Air Grille Installation (CMF / CMF2 Only)

1. Locate the four dimples in each side panel.
2. In each side panel, cut out the rectangle created by the outside of the dimples, as shown in Figure 1. The approximate location and size of the rectangular area to be cut out is shown in Figure 1.
3. Secure the grilles to the side panels using the self-drilling fasteners provided with the kit.
4. Remove the hose clamp that secures the flexible hose to the burner. Remove the hose from the unit and discard.

NOTE: The open area of the grille should not be restricted or blocked.

How to Install the CMF / CMF2 furnace on the CB-200A Base

1. Position the CB-200A cottage base in the desired location, and in accordance to the minimum clearances to adjacent materials listed in Table 2.
2. Set the furnace on the cottage base without damaging the foam gasketing material on the base to as shown in Figure 1. **NOTE:** Make sure that the furnace is seated on the back of the base.
3. Fasten the front of the furnace to the base with self tapping screws provided in the kit.

BASE INSTALLATION WITH DUCTWORK ATTACHED

Combustion Air

This type of installation must use a direct vent system. For proper installation of the direct vent kit, follow the instructions provided with that kit. The combustion air opening of the direct vent kit must not be restricted or blocked.

Conditioned Air Distribution

- The unit must be installed in a level position.
- The base should be located on a hard surface. When the furnace location is carpeted, a hard surface platform underneath the cottage base must be used.
- The ductwork must be designed and installed in accordance with all applicable local codes and NFPA 90B (Standard for Installation of Residence Type Warm Air Heating and Air Conditioning Systems).
- The ductwork must be properly sized for the airflows listed in Table 3 at the given the external static pressures (ESP).

Improperly designed ductwork could result in noisy operation, nuisance cycling, and other related problems.

- The furnace and cottage base must be installed with the minimum clearances from adjacent materials as stated in Table 2. **NOTE:** Additional clearance should be provided to permit servicing of filters, blower, motors, controls, combustion air connections, and vent connections.

How to Install the CMF Series Furnace on the CB-200A Base

1. Position the CB-200A cottage base in the desired location, which must abide by the minimum clearances to adjacent materials detailed in Table 2.
2. Set the furnace on the cottage base without damaging the foam gasketing material on the base top. **NOTE:** Make sure that the furnace is seated on the back of the base.
3. Fasten the front of the furnace to the base with the self tapping screws provided in the kit.
4. Attach the ductwork to the cottage base.

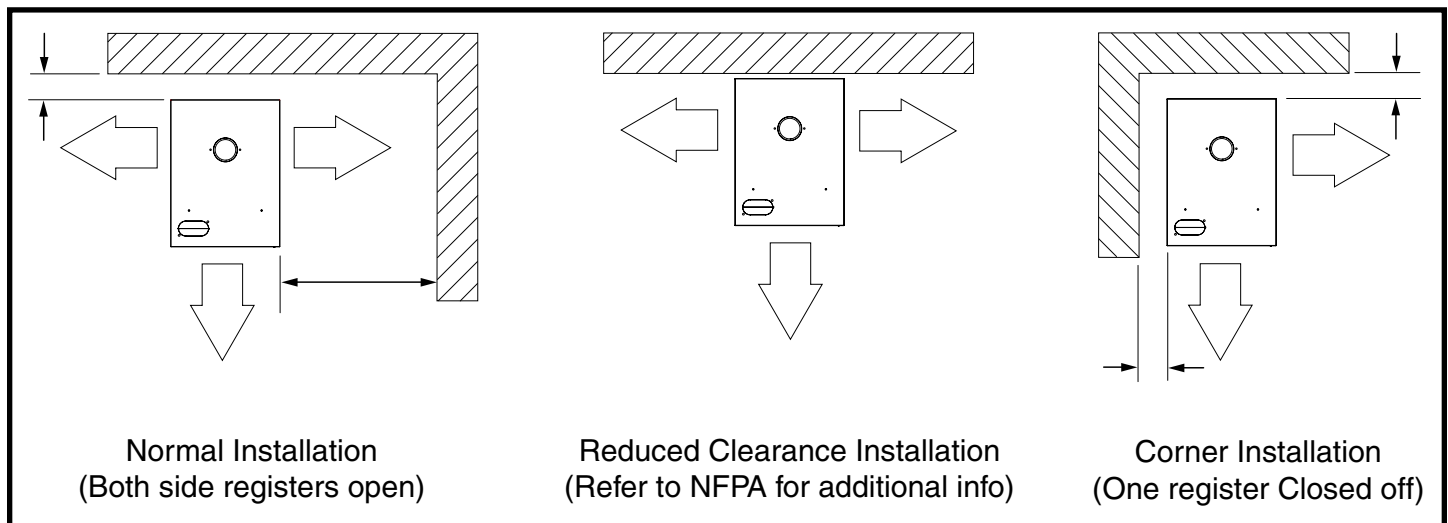


Figure 2. CMF / CMF2 Furnace Installations (Without Ductwork)

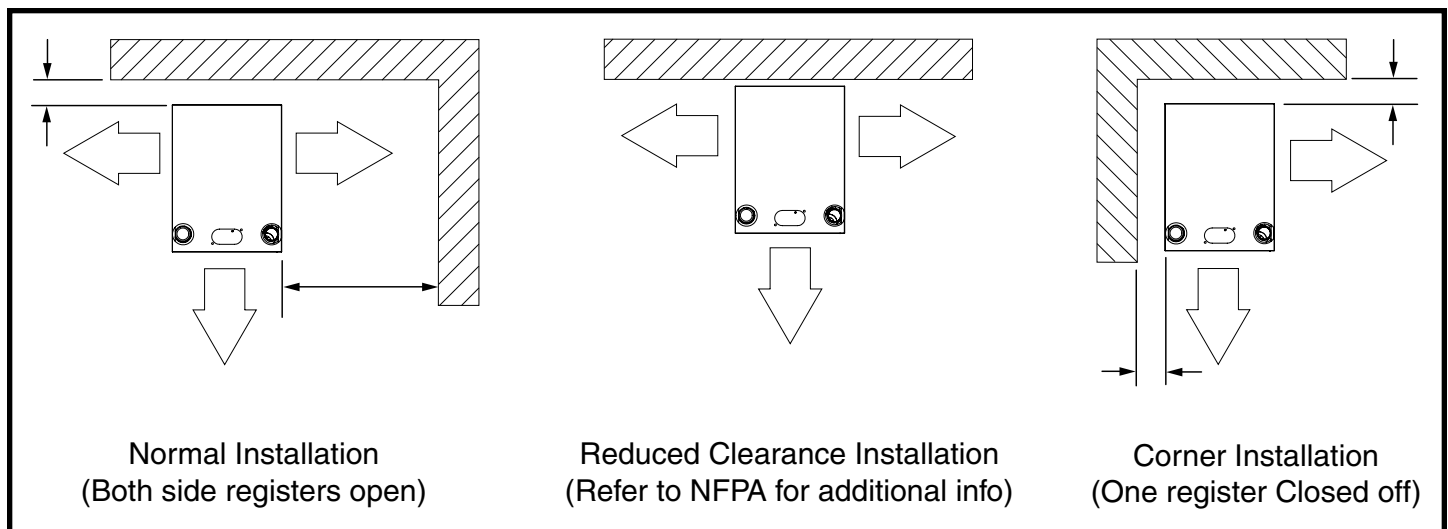


Figure 3. CMF95 Furnace Installations (Without Ductwork)

