

Installation Instructions

Horizontal Evaporator Coil

CD3C

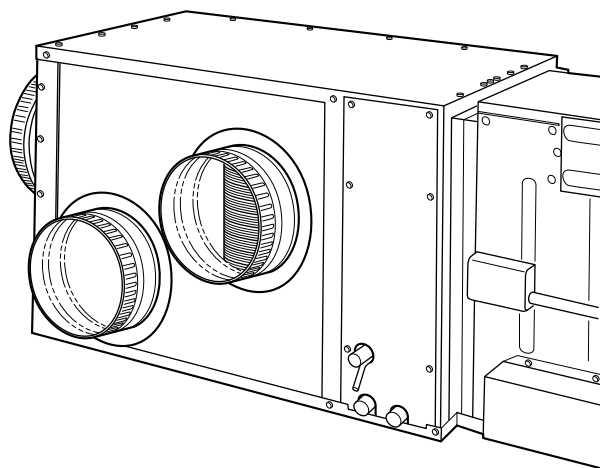


Fig. 1—CD3C Horizontal Evaporator Coil Installation

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NOTE: Read the entire instruction manual before starting the installation.

SAFETY CONSIDERATIONS

Improper installation, adjustment, alteration, service, maintenance, or use can cause explosion, fire, electrical shock, or other conditions which may cause personal injury or property damage. Consult a qualified installer, service agency, or your distributor or branch for information or assistance. The qualified installer or agency must use factory authorized kits or accessories when modifying this product. Refer to the individual instructions packaged with the kits or accessories when installing.

Follow all safety codes. Wear safety glasses and work gloves. Use quenching cloth for brazing operations. Have fire extinguisher available. Read these instructions thoroughly and follow all warning or cautions attached to the unit. Consult local building codes and National Electrical Code (NEC) for special requirements.

Recognize safety information. This is the safety-alert symbol \triangle . When you see this symbol on the unit and in instructions or manuals, be alert to the potential for personal injury.

Understand the signal words DANGER, WARNING, and CAUTION. These words are used with the safety-alert symbol. DANGER identifies the most serious hazards which **will** result in severe personal injury or death. WARNING signifies hazards which **could** result in personal injury or death. CAUTION is used to identify unsafe practices which **would** result in minor personal injury or product and property damage.

INTRODUCTION

Use this instruction manual to install CD3C indoor coils on horizontal gas furnaces. (See Fig. 1.) Model CD3C is enclosed in a metal and duct board casing designed to eliminate transition and supply plenum. The CD3C is available in sizes 024 through 070. (See Fig. 2.)

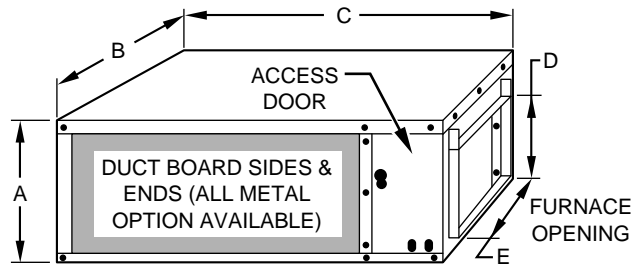
INSTALLATION

PROCEDURE 1—INSPECT EQUIPMENT

File claim with shipper prior to installation if equipment is damaged or incomplete.

PROCEDURE 2—INSTALLATION OF CD3C COIL SIZES 024-048

Unit sizes 024 through 048 are designed to fit 14 3/16-in. and 17 1/2-in. furnaces.



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UNIT SIZE	HEIGHT	WIDTH	LENGTH	FURNACE OPENING*	
	A	B	C	D	E
024-048	19	21	36	13 1/4 to 19 1/4	18 to 19 1/4
060,070	22 3/4	21	36	21	10 1/2 to 23

*Furnace opening is equipped with adjustable flanges.

Fig. 2—CD3C Dimensional Drawing (In.)

A. Installing on 14 3/16-in. Furnace

1. Position the horizontal duct connection 14 1/4-in. above the bottom horizontal flange.
2. Secure the top horizontal flange with 2 sheet metal screws. (See Fig. 3.)
3. Position the furnace inside the flanges.
4. Secure the furnace to the flanges with appropriate fasteners.
5. Seal the connection according to local requirements.

B. Installing on 17 1/2-in. Furnace

1. Position the horizontal duct connection 17 1/2-in. above the bottom horizontal flange.
2. Secure the top horizontal flange with 2 sheet metal screws. (See Fig. 3.)
3. Cut away any excessive duct board material that extends into the plenum opening.
4. Position the furnace inside the flanges.
5. Secure the furnace to the flanges with appropriate fasteners.
6. Seal the connection according to local requirements.

PROCEDURE 3—INSTALLATION OF CD3C COIL SIZES 060 AND 070

Unit sizes 060 and 070 are designed to fit 17 1/2-in., 21-in., and 24 1/2-in. furnaces. Three flanges are factory-supplied. Each will fit into the S cleat on the top opening of the coil. Select the 7/8-in. x 7/8-in., 7/8-in. x 3-in. or 7/8-in. x 4 1/2-in. depending on the requirements of the job.

A. Installing on the 17 1/2-in. Furnace

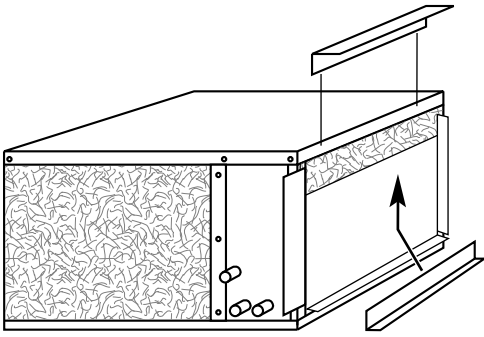
1. Remove the 7/8-in. x 7/8-in. flange from the S cleat.
2. Using the 7/8-in. x 4 1/2-in. flange position the flange in the bottom of the S cleat to create a 17 1/2-in. opening to the bottom fixed flange.
3. Secure the top horizontal flange with 2 sheet metal screws.
4. Position the furnace inside the flanges.
5. Secure the furnace to the flanges with appropriate fasteners.
6. Seal the connection according to local requirements.

B. Installing on the 21-in. Furnace

1. Utilize the 7/8-in. x 7/8-in. flange that is installed in the bottom of the S drive.
2. Position the furnace inside the flanges.
3. Secure the furnace to the flanges with appropriate fasteners.
4. Seal the connection according to local requirements.

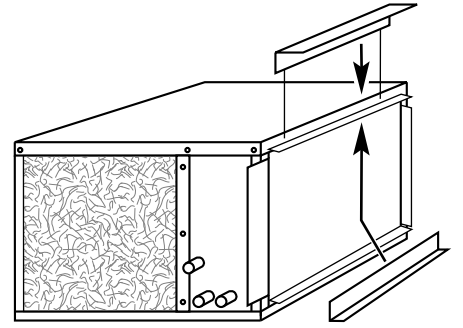
C. Installing on the 24 1/2-in. Furnace

1. Remove the 7/8-in. x 7/8-in. flange from the S cleat.
2. Using the 7/8-in. x 3-in. flange position the flange in the bottom of the S cleat to create a 24 1/2-in. opening to the bottom fixed flange.
3. Secure the top horizontal flange with 2 sheet metal screws.
4. Position the furnace inside the flanges.



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Fig. 3—Securing Top Horizontal Flange on 024-048 Size Units



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Fig. 4—Securing Top Horizontal Flanges on 060, 070 Size Units

5. Secure the furnace to the flanges with appropriate fasteners.
6. Seal the connection according to local requirements.

PROCEDURE 4—ATTACHING DUCT

Attach duct using duct board collars. (See Fig. 5.)

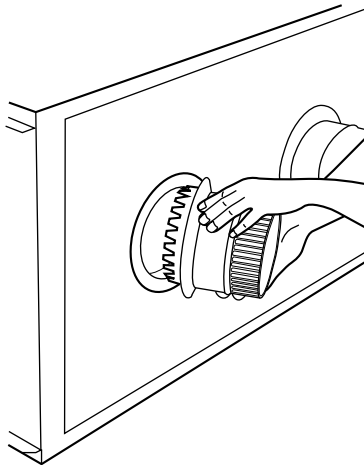


Fig. 5—Attaching Duct Using Duct Board Collars

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