

# Installation Instructions


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 death, 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, protective clothing, and work gloves. Have a fire extinguisher available. Read these instructions thoroughly and follow all warnings and cautions included in literature and attached to the unit. Consult local building codes and the current edition of the National Electrical Code (NEC) NFPA 70.

In Canada, refer to the current editions of the Canadian Electrical Code CSA C22.1.

Recognize safety information. 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 **may** result in minor personal injury or product and property damage. **NOTE** is used to highlight suggestions which **will** result in enhanced installation, reliability, or operation.

## INTRODUCTION

These instructions cover the installation of the empty coil casing and the installation of CNPHP coils into the casings. The casings are designed for in-line mounting of coils.

The casings are shipped fully assembled. The assembly includes fitting cover and access cover. Parts of the assembly must be removed to accept the coil and then replaced as noted in instructions. The following table lists the empty coil casings part number, the CNPHP coil that will fit in the empty coil casing, and the coil casing dimensions.

**NOTE:** This casing is designed to be used with the CNPHP coil only.

To connect tubing and for general coil installation information, refer to the current Installation Instructions covering CNPHP evaporator coils.



## CAUTION

### UNIT DAMAGE HAZARD

Failure to follow this caution may result in equipment damage. Before attempting to install an evaporator coil into a coil casing, all covers must be disassembled to accept the coil.

## CAUTION

### CUT HAZARD

Failure to follow this caution may result in personal injury. Sheet metal parts may have sharp edges or burrs. Use care and wear appropriate protective clothing and gloves when handling parts.

## INSTALLATION OF EMPTY COIL CASING

- A. Remove casing and inspect for damage. Contact shipper if damaged.
- B. Horizontal furnace coil casing installation.
  1. Set coil casing in place on horizontal furnace discharge air opening.
  2. Attach coil casing to furnace using attachment plates (Fig. 1)

**NOTE:** Consider creating an access hole in the duct work to install drain pan extension if CNPHP4321, 6024, 6124 will be used. Otherwise the duct will need to be disconnected to install the extension.

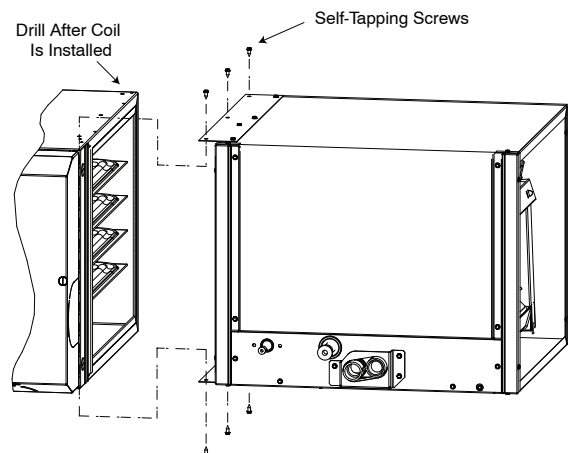


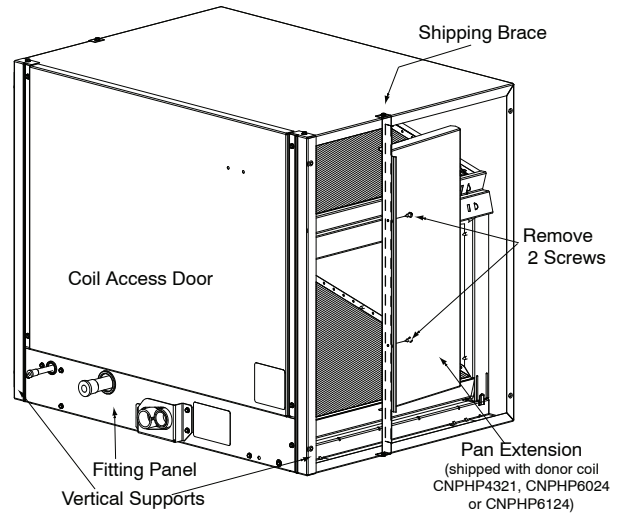
Fig. 1 - Mount Attachment Plates

**Table 1 – Casing Kit Part Numbers**

Miltie-pack Casing Number	Individual Casing Number	Used with	Dimensions in. (mm)		
			Height	Width	Depth
KCAKH0108ECC	KCAKH0101ECC	CNPHP2417	17.5 (444.5)	19 (482.6)	21 (533.4)
KCAKH0208ECC	KCAKH0201ECC	CNPHP3017,3617	17.5 (444.5)	22 – 1/16 (560.4)	21 (533.4)
KCAKH0308ECC	KCAKH0301ECC	CNPHP3117	17.5 (444.5)	27.5 (698.5)	21 (533.4)
KCAKH0408ECC	KCAKH0401ECC	CNPHP4221	21 (533.4)	22 – 1/16 (560.4)	21 (533.4)
KCAKH0508ECC	KCAKH0501ECC	CNPHP4321	21 (533.4)	30 – 1/8 (765.2)	21 (533.4)
KCAKH0608ECC	KCAKH0601ECC	CNPHP4821	21 (533.4)	28 – 1/16 (712.8)	21 (533.4)
KCAKH0708ECC	KCAKH0701ECC	CNPHP6024, 6124	24.5 (622.3)	29 (736.6)	21 (533.4)

## INSTALLATION OF COILS INTO CASINGS

- A. On installed empty casing, remove coil access door and fitting panel
  1. Remove coil access door (4 screws)
  2. Remove the (2) vertical supports (2 screws each)(Fig.2)
  3. Remove the fitting panel (4 screws)
- B. On donor cased coil,
  1. Remove coil access door (4 screws)
  2. Remove the (2) vertical supports (2 screws each) (Fig.2)
  3. Remove fitting panel (4 screws), but leave the panel attached at the TXV bracket.
  4. Remove the screw on the rail that is retaining the coil inside the cabinet
  5. Transfer the coil over to the installed case keeping fitting panel with coil.
  6. Re-install vertical supports, coil access door and attach fitting panel to casing.
  7. Install drain pan extension shipped with donor coil on CNPHP4321, CNPHP6024 or CNPHP6124. Duct will need to be disconnected to install the extension if access hole was not created. See donor coil instructions for details.



**Fig. 2 - Coil Transfer**

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