

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 CN(P,R)VU 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 CN(P,R)VU coil that will fit in the empty coil casing, and the coil casing dimensions.

NOTE: This casing is designed to be used with the CN(P,R)VU uncased coil only.

To connect tubing and for general coil installation information, refer to the current Installation Instructions covering CN(P,R)VU 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. Upflow furnace coil casing installation.
 1. Set coil casing in place on upflow furnace discharge air opening.
 2. Screw coil casing to furnace flange.
- C. Downflow furnace coil casing installation
 1. Place coil casing on supply duct opening.
 2. Secure furnace on coil casing.

INSTALLATION OF COILS INTO CASINGS

- A. Remove access and fitting covers.
- B. Cut fitting cover holes for suction and liquid tubes. Use plate header supplied with CN(P,R)VU coil for a template to locate cover holes.
- C. Slide cover over tubing and condensate pan connection. Secure fitting cover to casing.
- D. Seal around suction and liquid tubes with locally approved insulating material.

Table 1 – Casing Kit Part Number

ACCESSORY PART NUMBER	NOMINAL COIL SIZES	DIMENSIONS in. (mm)		
		HEIGHT	WIDTH	DEPTH
KCAKC2612ECC	CN(P,R)VU1814, 2414, 3014	17 (432)	14 - ³ / ₁₆ (360)	21 (533)
KCAKC2712ECC	CN(P,R)VU2417, 3017, 3617	17 (432)	17 - ¹ / ₂ (445)	21 (533)
KCAKC2808ECC	CN(P,R)VU3621, 4221, 4821	22 - ¹ / ₁₆ (560)	21 (533)	21 (533)
KCAKC2904ECC	CN(P,R)VU4824, 6024	26 - ⁵ / ₁₆ (668)	24 - ¹ / ₂ (622)	21 (533)
KCAKC3001ECC	CNPVU1917	17 (432)	17 - ¹ / ₂ (445)	21 (533)
KCAKC3101ECC	CNPVU3117	23 - ¹ / ₄ (591)	17 - ¹ / ₂ (445)	21 (533)
KCAKC3201ECC	CNPVU3717	27 - ³ / ₁₆ (691)	17 - ¹ / ₂ (445)	21 (533)
KCAKC3301ECC	CNPVU4324	26 - ⁵ / ₁₆ (668)	24 - ¹ / ₂ (622)	21 (533)
KCAKC3401ECC	CNPVU6124	32 (813)	24 - ¹ / ₂ (622)	21 (533)

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