

# 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. Use quenching cloths for brazing operations. Have fire extinguisher available. Read these instructions thoroughly and follow all warnings or cautions attached to the unit. Consult local building codes and the current editions of the National Electrical Codes (NEC) NFPA 70.

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

Recognize safety information. This is the safety-alert symbol . 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.

## **WARNING**

### **ELECTRICAL SHOCK HAZARD**

Failure to follow this warning could result in personal injury or death.

Before installing, modifying or servicing system, always turn off main power to system. There may be more than one disconnect switch. Lock out and tag switch with a suitable warning label.

## **WARNING**

### **CHOKING HAZARD**

Failure to follow this warning could result in personal injury or death.

Kit contains small parts not intended for children under 3 years.

Make certain retaining washer is installed after inserting screw into panel.

## **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.

## INTRODUCTION

These instructions cover the description and installation of the KFBLG0106LGL and KFBLG0206LGL louvered panel accessory for the FFM Fan Coil Units. Kits are sold in sets of six.

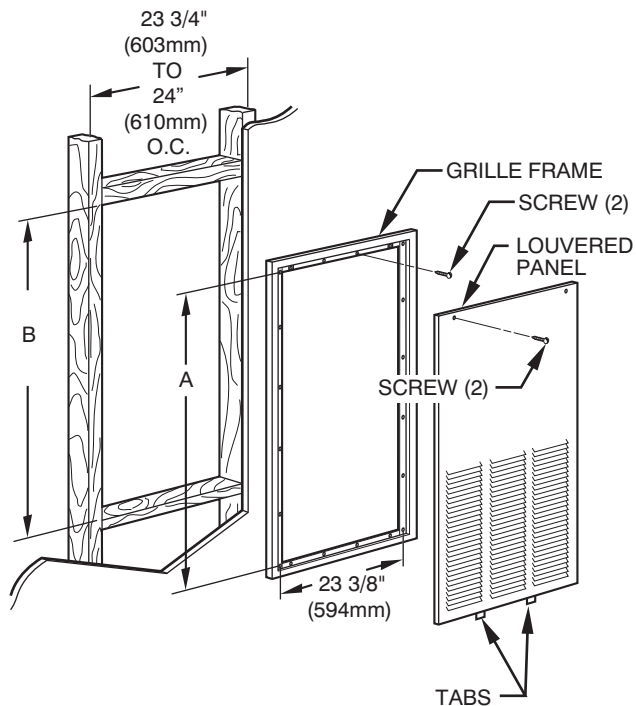
KIT #	FITS UNIT SIZE
KFBLG0106LGL	FMA4P018- 024, FMA4X018- 024, FFMANP018- 025, FF1ENP018- 030
KFBLG0206LGL	FMA4P030- 036, FMA4X030- 036, FFMANP030- 037, FF1ENP031- 037

Each kit contains the following items:

- Frame assembly (attached to wall) 1
- Louvered panel 1
- Screw (frame-to-wall) 1- 1/4 in. (32 mm) 12
- Screw with retaining washer (panel-to-frame), 3/4 in. (19.05 mm) 2
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## INSTALLATION

1. Align grille frame around fan coil unit with screw holes over surrounding 2 X 4 wall framing (See Fig. 1).



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**Fig. 1 - Louvered Panel Mounting**

KIT #	A inches (mm)	B inches (mm)
KFBLG0106LGL	38.625 (981)	39.25 (997)
KFBLG0206LGL	43.75 (1,111)	43.375 (1,102)

2. Using twelve 1-1/4-in. long screws, fasten grille frame through its finished surface into 2 X 4 wall studs. Make sure that grille frame does not cover fan coil unit access area and is square to the opening and fan coil.
3. Set tabs at bottom of louvered panel into slots in bottom of grille frame, then close louvered panel so that it is flush with grille frame.
4. Fasten louvered panel to grille frame with two 3/4 inch (19.05 mm) screws with retaining washer. (See Fig. 1 and Fig. 2.)

**NOTE:** Louvered panel assembly may be installed before fan coil unit is installed and preceding steps contain all the information needed for that installation. The following information regarding wall construction and fan coil installation (normally at a later date) is provided for reference only. FFM can be hung from supplied wall mount brackets on back side of unit or frame mounted.

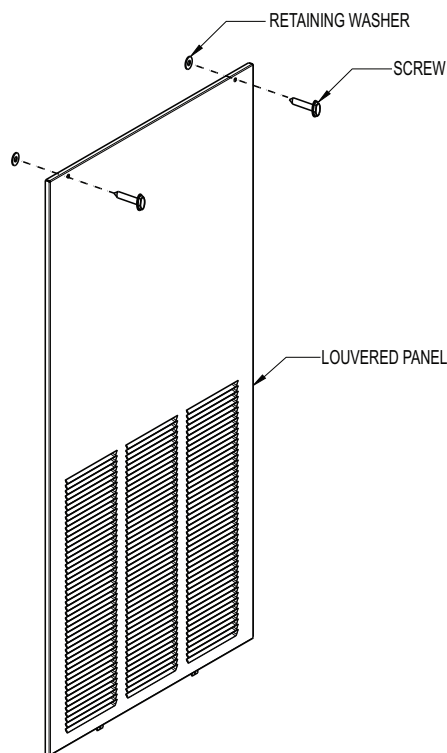
Refer to Fig. 1. Note that spacing between the 2 X 4 vertical studs is 23-3/4 to 24 in. on center. The fan coil unit is 20.5 in. wide for FFMANP18-025 models and 22 in. wide for FFMANP031-037 and all FF1 models. This leaves a maximum gap of 1/2 in. or 2 in. on 1 side between the unit and the 2 X 4 stud. If frame mounting unit, shim the gap to properly align and support fan coil unit. The horizontal bottom 2 X 4 shelf should be 6 to 18 in. above floor level. Set fan coil unit into wall flush or slightly recessed from finished wall surface. Drive 4 field-supplied screws through fan coil casing side into 2 X 4 stud.

## ⚠ CAUTION

### PROPERTY DAMAGE HAZARD

Failure to follow this caution may result in product or property damage.

Do not distort fan coil wrapper. Shim to absorb space between unit and wall framing before tightening screws, or leave screws on one side loose (for location only).



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**Fig. 2 - Louver Panel Mounting  
Screws and retaining washers**