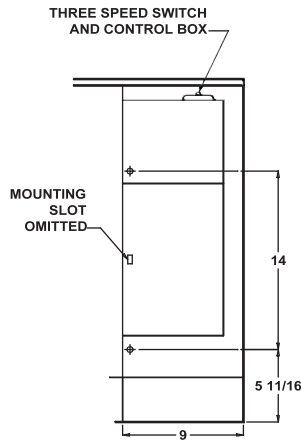


UNITAIRE IV FAN COIL UNITS

ELECTRIC HEAT

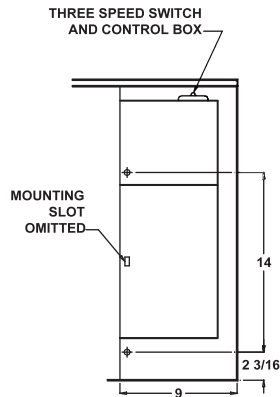
CONTROL BOX DETAILS

RIGHT HAND CONTROL BOX SHOWN, LEFT HAND OPPOSITE



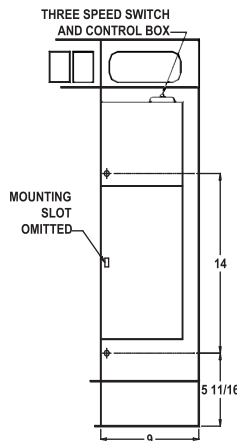
Models
FETF, FEFF, FDTF

Refer to form 08-SU-FETF-1 for dimensions and piping details of models FETF and FEFF; form 08-SU-FDTF-1 for dimensions and piping details of model FDTF.



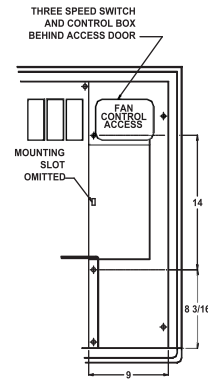
Models
WETB, WEFB

Refer to form 08-SU-WETB-1 for dimensions and piping details.



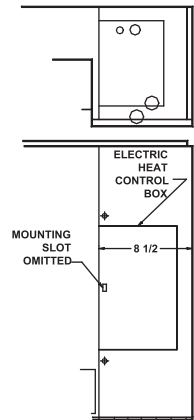
Model
SETF

Refer to form 08-SU-SETF-1 for dimensions and piping details.



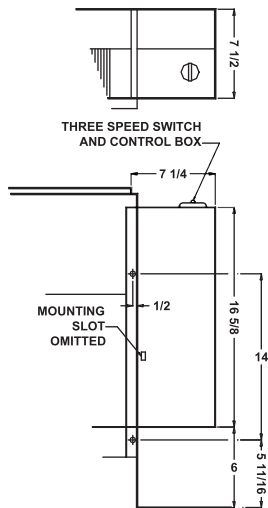
Models
FRFF, WRFF, FFFF, WFFF, FSFF, WSFF

Refer to form 08-SU-FRFF-1 and 08-SU-FFFF-1 for dimensions and piping details.



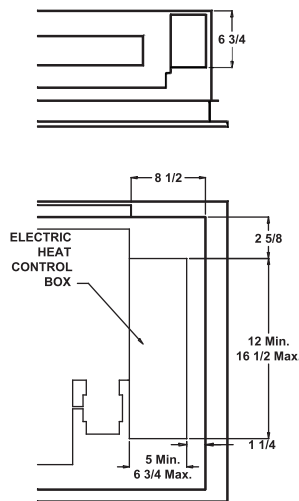
Model
FCTF

Refer to form 08-SU-FCTF-1 for dimensions and piping details.



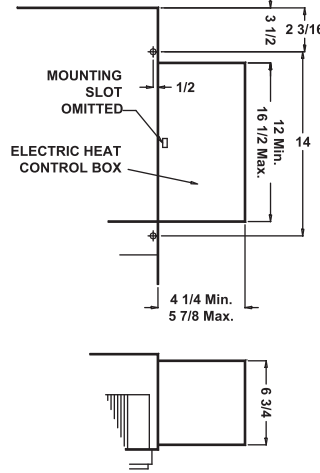
Models
CEFR, CEFB

Refer to form 08-SU-CEFR-1 for dimensions and piping details.



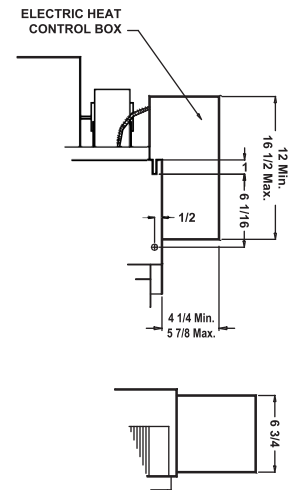
Models
CRFB, CRFR

Refer to form 08-SU-CRFB-1 for dimensions and piping details.



Models
CPFR, CPFB

Refer to form 08-SU-CPFR-1 for dimensions and piping details.



Model
CCFR

Refer to form 08-SU-CCFR-1 for dimensions and piping details.

SPECIFICATIONS

FANS - Fan wheels are constructed of Underwriters' Laboratories, Inc. approved Polymeric material or aluminum.

DRAIN PAN - Auxiliary drain pan for vertical models is constructed of 18 gauge galvanized steel, foam insulated, with a metal liner, or U.L. approved Polymeric material.

Primary drain pan for horizontal models is constructed of 18 gauge galvanized steel, foam insulated, with a metal liner.

Electric heating elements conform to the requirements of Underwriters' Laboratories, Inc. and the National Electric Code, and are U.L. listed. They are constructed of nickel chromium resistance wire with a maximum operating temperature of 1850°F. Coil surface temperatures are at least 30% below maximum operating temperature.

Each electric heating element is mounted to a continuous heavy gauge galvanized steel plate. The plate is independent of the fan deck and is insulated with ½" of 2 lb. density glass fiber insulation to prevent transfer of heat to the unit surface.

Electric heating elements are located in the pre-heat position and positioned to prevent stratification and air bypass. They are non-accessible to room occupants. The fan coil unit fan deck is easily removable for access to electric heating elements without disconnecting the power wiring.

Coil terminals are constructed of nickel-plated steel with ceramic thermal insulators and bracket bushings. Terminals are machine staked and brazed to the coil.

FACTORY WIRING - All factory connections are made with thermal plastic insulated copper wires rated at 105°C, and meet the requirements of Underwriters' Laboratories, Inc.

FIELD WIRING TERMINALS - Field wiring terminals are suitable for copper wire and provide a means to easily connect to a single power source. They are sized for a minimum of 125% of rated load in accordance with the National Electric Code.

GROUNDING - Pressure type grounding terminals are provided for each power source.

SAFETY DEVICES - For primary over temperature protection, each electric heating element is provided with an automatic, thermally operated, linear limit switch, rated for 25,000 cycle duty, with a capillary tube extending across the entire width of the electric element area.

The electric heating element will be de-energized if the capillary senses an excessive temperature at any point. It will be automatically reenergized after the temperature returns to normal. The break temperature is factory preset and nonadjustable.

The electric heating element will be de-energized if the capillary tube is damaged or ruptured. Secondary safety protection consists of a fusible link cutoff device, installed in the power lines of each electric element, which will de-energize the element in case of failure of the primary safety device.

FAN SPEED SWITCH - A 3-speed motor switch with "off" position is supplied for all units. The "off" position de-energizes the fan motor, electric heating element and hydronic control valve.

CONTROL PANEL - Each fan coil unit is provided with a heavy gauge galvanized steel control panel to house contractors, transformer, automatic changeover and relay where required. The control panel is furnished with a solid cover and contains the properly sized power knockouts, located in the bottom on vertical units and in the back side of the control panel on horizontal units.

TERMINAL BOARDS - Phenolic terminal boards with provisions for screw type pressure connectors are furnished in accordance with Underwriters' Laboratories, Inc. and National Electric Code requirements.

CONTACTORS - Each electric heating element is equipped with a line break, de-energizing magnetic contactor to break all ungrounded conductors.

