

RCUA-HW Series

Recessed Ceiling Mount

Horizontal Cased Fan Coil

Heat Pump or DX / Hot Water Heating

1-1/2 and 2 tons, up to 39,300 BTUH Heating



Description :

The **RCUA-HW** series fan coil is only 11" high and designed to be recessed in a furdown hallway, bathroom, or other ceiling area. Each fan coil includes a heat pump/DX cooling coil, a separate hot water coil, 120V. blower/motor, 24/120V relay/transformer, and is shipped with an attractive access/return air panel, hanger brackets, and permanent filter.

This fan coil converts a standard gas or oil-fired water heater to a highly efficient, multi-purpose appliance that can heat an apartment, condominium, or home in addition to providing domestic hot water. This fan coil is compatible with all sources of hot water not exceeding 180 degree F.

A U.L. listed "flow control module" is an optional accessory which consists of a circulating pump, pump relay, check valve, air purge valve, and a 6 foot plug-in line cord. The module is designed to circulate a precise amount of hot water between the hot water source and the fan coil. Flow control modules are shipped separate for field installation. If the module is not needed, order the fan coil "less module".

AQUA THERM[®] FAN COIL



(Flow control module)



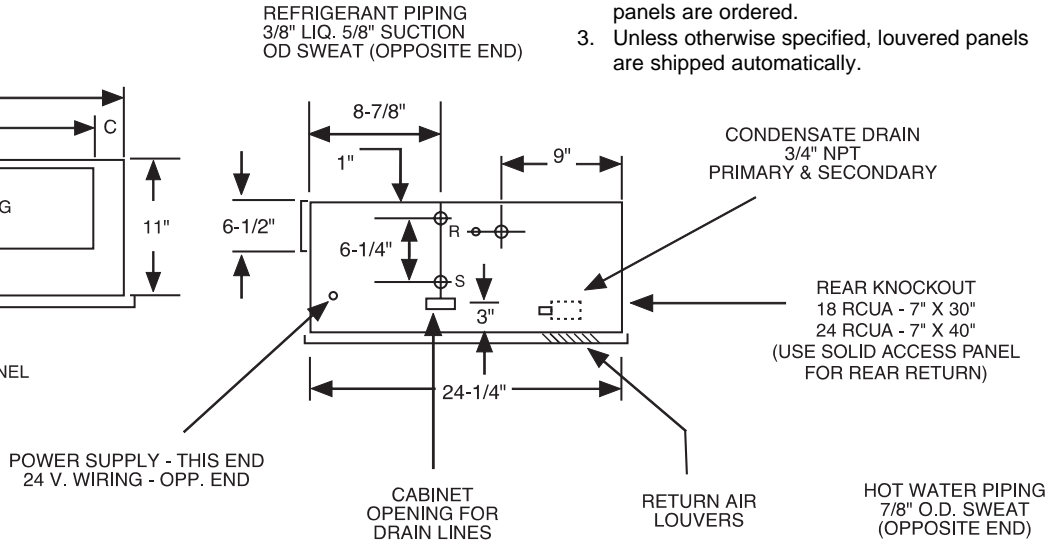
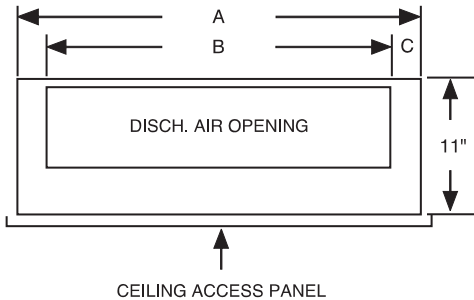
(Unit shown with louvered access panel)

FEATURES:

1. Completely **cased**
2. Factory installed **filter** (unless solid access panel is ordered)
3. Completely **serviceable** from below
4. Engineered for **extremely quiet** operation
5. Manual **air vent** on H.W. coil
6. **Access panel** shipped with each unit
7. **Hanger brackets** shipped with each unit
8. **High efficiency** copper tube coils
9. Coil connections are **sweat type** and expanded for easy connection
10. Unless otherwise specified, all units are shipped with "**Flow control module**" (Flow control module is Part No. 940-3 CV)
11. **Insulated condensate pan**
12. **Piston type metering device** on cooling coil

RCUA-HW Series

HORIZONTAL CASED FAN COIL



ACCESS PANELS			
PART NUMBER	TYPE	USED ON MODEL	DIMENSIONS
963	LOUVERED	18 RCUA-2HW	39 X 27-1/2
964	LOUVERED	24 RCUA-2HW	49 X 27-1/2
963-1	SOLID	18 RCUA-2HW	39 X 27-1/2
966-1	SOLID	24 RCUA-2HW	49 X 27-1/2

- NOTES:**
1. For ducted rear return, order solid panel and cut out rear knockout where indicated.
 2. External filter grille must be used when solid panels are ordered.
 3. Unless otherwise specified, louvered panels are shipped automatically.

BLOWER DATA							
UNIT MODEL	MOTOR HP (240V)	CFM vs. EXTERNAL STATIC PRESSURE					
		0.05	0.10	0.15	0.20	0.25	0.30
18RCUA-2HW	1/4	770	750	730	710	690	660
24RCUA-2HW	1/4	890	870	840	810	780	750

PHYSICAL DIMENSIONS			
UNIT MODEL	A	B	C
18RCUA	35-1/2	30	2-3/4
24RCUA	45-1/2	36	4-3/4

"In keeping with its policy of continuous progress and product improvement, First Co. reserves the right to make changes without notice."

PERFORMANCE DATA						
UNIT MODEL	NOMINAL COOLING BTUH	GPM (HEATING)	P.D. (FT. WATER)	BTUH (1000) ⁽¹⁾ AT ENTERING WATER TEMPERATURE		
				120°F	140°F	180°F
18RCUA-2HW	18,000	3	3.0	14.3	20.0 ⁽²⁾	31.4
		2	1.5	13.2	18.5	29.1
		1	0.4	9.6	13.5	21.2
24RCUA-2HW	24,000	3	3.1	17.9	25.0 ⁽²⁾	39.3
		2	1.5	16.2	22.7	35.7
		1	0.4	12.4	17.4	27.3

- NOTES:**
1. Heat BTUH is at 70 degree EAT.
 2. Use BTUH at 3 GPM when FIRST CO. "Flow control module" is used.
 3. 120 degree and 180 degree data is supplied for boiler applications.
 4. Heating BTUH output will not exceed output of water heater.
 5. Use an "electric heat" type thermostat that brings the fan on in the heating and cooling cycles.
 6. Approved for installation with 0" clearance to combustible materials.