



CCP 2 PIPE CHILLED WATER FAN COIL

Nominal Circuits: 9000, 12000, 18000, 24000, 30000,
 36000, 42000 & 48000 Btuh

PRODUCT DESCRIPTION

The CCP is a ceiling mounted, chilled water air handler for applications where fully exposed or partially recessed cabinetry can be used. These units easily adapt to standard T-bar, drop ceiling openings, for partially recessed mounting. The CCP is designed for applications where the unit may be concealed in soffits or other structural spaces with only the intake and discharge grilles exposed. When concealing the unit make provisions to the soffit for future access to the unit for maintenance purposes. When offering the Infra-Red Control option, due to the fact that the infra-red eye is located on the unit, the CCP model cannot be mounted in a soffit or another structural space.

The aluminum supply air louvers are dual adjustable for air flow direction, to provide air flow throws to suit any installation. The louvers are mounted in an attractive high impact polystyrene front section. The CCP incorporates multiple blowers that produce efficient, quiet operation, suitable for both residential and commercial applications. A wide range of options are available for the CCP units, including supplemental electric or hydronic heat options, field installed condensate pump, and optional digital and hand held Infrared remote controls.

The CCP models are simple to install with standard 24V control circuits to the chilled water supply. Hanging brackets and fresh air openings are also standard on all models. Optional trim kits are available for surface mounting applications.

AIR HANDLER STANDARD FEATURES

▲▼ Materials of Construction:

- Cabinet fabricated of 20 gauge galvaneal steel with high impact polystyrene air discharge panel and powder coat finish
- Removable, perforated steel inlet grill
- Adjustable, aluminum bidirectional louvers on discharge grill
- Galvanized steel condensate drain pan with anti-corrosion coating.

▲▼ Controls/Components (Factory Installed):

- Relays and connections for chilled water supply and wall mounted thermostat
- Low Volt transformer

OPTIONAL COMPONENTS

- Infrared thermostat with hand held remote
- Condensate Pump (field installed)
- Chilled Water Control Valve (field installed)
- Wiring for normally closed/power open valve (24V ac, 20VA max. or 8VA max. on units with condensate pumps)
- Open wire electric heaters in all sizes (all with automatic reset high temperature cutout and redundant high temperature fuse link)
- Hydronic heat coil with sweat connections (consult factory)

INSTALLER SUPPLIED ITEMS

- Low Voltage Wiring
- Power Wiring
- Chilled Water Piping
- Condensate Piping
- Thermostat (if not supplied)
- Chilled Water Flow Control Valve, 2 or 3 way power open/normally closed 20VA max or 8VA max. on units with condensate pumps (If not supplied).

CCP CAPACITIES

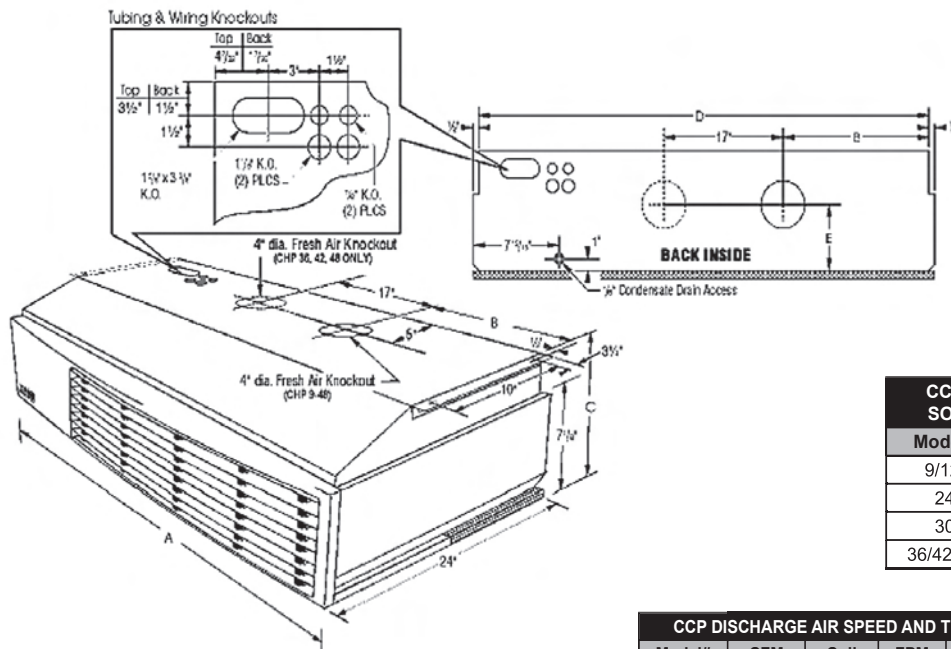
Unit	Total Capacity	Sensible Capacity	Fluid Temp.	Fluid Flow	PD Ft. H ₂ O
CCP 09/12	7900	7300	45	1.0	3.0
	10900	8800	45	2.0	5.3
	13300	9800	45	3.0	8.8
CCP 18/24	9000	7800	40	1.0	3.0
	12700	9500	40	2.0	5.3
	15600	10700	40	3.0	8.8
CCP 24/30	17400	15000	45	3.0	3.4
	22500	17200	45	5.0	10.1
	19000	15100	40	3.0	3.4
CCP 36/42/48	26600	19700	40	5.0	10.1
	21600	17000	45	3.0	4.8
	26750	19500	45	4.5	10.2
CCP 24/30	29500	20600	45	6.0	17.2
	25000	18600	40	3.0	4.8
	31000	21500	40	4.5	10.2
CCP 36/42/48	35000	23000	40	6.0	17.2
	34512	28430	45	4.0	6.4
	42872	32080	45	6.0	13.3
CCP 36/42/48	47364	33977	45	8.0	22.6
	39081	30341	40	4.0	6.4
	49981	35067	40	6.0	13.5
CCP 36/42/48	56292	37832	40	8.0	22.8

All capacities based on high speed fan and 80° F dry bulb/67° F wet bulb entering air temperature.

CCP DIMENSIONS AND SPECIFICATIONS

NOTE: Due to EMI's ongoing development programs, design and specifications may change without notice.

CCP PHYSICAL DIMENSIONS AND PIPING SPECIFICATIONS								
Model#	Width "A"	Width "B"	Width "C"	Width "D"	Width "E"	Drain Hose	Shipping Wt.	CW Line Size (Supply & Return)
09/12	42"	16½"	10¾"	41"	5½"	1/2" I.D.	115	1/2" I.D.
18	49"	19"	10¾"	48"	5½"	5/8" I.D.	135	5/8" I.D.
24	49"	19"	10¾"	48"	5½"	5/8" I.D.	135	5/8" I.D.
30	49"	19"	10¾"	48"	5½"	5/8" I.D.	135	3/4" I.D.
36/42, 48	59"	16⅞"	12¾"	58"	7½"	5/8" I.D.	160	3/4" I.D.



CCP OBSERVED SOUND LEVELS	
Model#	DbA
9/12,	46.3
24	50.8
30	56.0
36/42, 48	64.2

CCP DISCHARGE AIR SPEED AND THROW				
Model#	CFM	Coil	FPM	Throw/Ft.
09/12	350	Dry	290	12.4
18	650	Dry	430	18.6
24/ 30	800	Dry	533	18.6
36/42, 48	1200	Dry	500	19.0

CCPELECTRICAL SPECIFICATIONS					
Model#	Voltage	Hertz	Fan FLA	Min. Ampacity *(1)	Max. Fuse *(1)
09/12	115	60	1.4	1.8	15
09/12	208/230	60	0.6	0.8	15
18/24	208/230	60	1.1	1.4	15
30	208/230	60	1.1	1.4	15
36/42	208/230	60	1.1/1.1	2.5	15
48	208/230	60	1.1/1.1	2.5	15

*(1) If electric heaters are installed, use Min Amp and Max Fuse from Heater Options Chart.

CCP HYDRONIC HEAT SPECIFICATIONS (Single-stage Heating Only)				
Model#	EWT °F	GPM	Btuh	PD Ft. H ₂ O
09/12	140	2	14,500	3.4
	180	2	22,900	3.4
18/24	140	4	27,200	5.2
	180	4	43,200	5.2
30	140	4	29,800	5.2
	180	4	47,300	5.2
36/42, 48	140	4	40,300	6.1
	180	4	64,100	6.1

CCP WITH ELECTRIC HEAT OPTIONS						
Model#	Voltage	KW	Htr Amps	Total Amps	Min. Cir. Amps	Max. Fuse
09/12	208/230	3	13.1	13.7	17.1	20
18/24, 30	208/230	5	21.7	22.8	28.6	30
36/42, 48	208/230	7	30.4	32.6	40.8	45



Comfort Where It Counts.

Enviromaster International LLC
 5780 Success Drive. Rome, NY 13440
 Phone: 1-800-228-9364
 FAX: 1-800-232-9364
 Email: Emi@enviromaster.com