EMI Presents

comfortWAVE

Chilled/Hydronic Ductless Air Handlers

Comfort where it counts

comfortwave

Chilled/Hydronic Ductless Air Handlers

EMI ComfortWave Ductless Series Fan Coil Air Handlers

Available in a variety of capacities, features and options, ComfortWave Air Handlers offer application flexibility in commercial installations such as new construction, retrofitting and renovations.

ComfortWave Air Handlers can be installed in ceilings, suspended from ceilings or on walls, delivering efficient comfort conditioning, cost-effective operation, reliable performance, high efficiency and easy installation.

Commercial Comfort Solutions

No Handling of Refrigerant

The ComfortWave Series use only water as the heat transfer medium; an even "greener" alternative to the refrigerants used in direct expansion splits systems, that still have a Global Warming Potential. Refrigerant is heavier than air, and can threaten occupants health if leaked in large volumes.

Minimal Building Intrusion

Supply and return water pipes run within the wall, eliminating the need for inefficient ductwork or infiltrating wall openings.

Long Line Length

Insulated water lines carry conditioned supply water (Hot or Cold), with a minimal capacity loss. This allows for much longer line lengths to the fan coil air handler, as opposed to refrigerant split system line sets.

Clean Stylish Design

Our sleek low-profile selection of air handler designs allows freeing up more building space, to promote open designs, and blending with any decor.

CCP/WCP Remote Control

Cassette Remote Control

Function Control Convenience

Equipment can be factory equipped to be controlled via a Wall-mounted Thermostat, Infrared Handheld Remote Control, or Unit-mounted controls on High-Wall and Ceiling-Suspended models.

E-Boost Electric Heat Technology (Select Models)

Optional, factory-installed electric heat can perfectly augment a primary heating system for emergencies/redundancy, or suffice on its own.

EMI's ComfortWave Fan Coil Air Handlers have been designed to provide the application flexibility, to satisfy the cooling and heating needs of various Commercial Market segments, including both new construction and renovation projects.

The features and benefits described, make these air handlers ideal for comfort control in high-rise and commercial office buildings.

Architects/Engineers

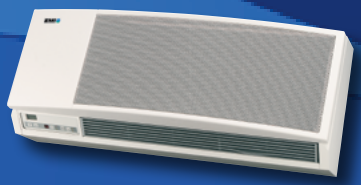
HVAC/Mechanical Contractors

Property Management Companies

Bid & Spec Firms

CAW
Cassette Air Handler

CCP
Ceiling-Suspended Air Handler



WCP
High Wall Air Handler

CAW Cassette Air Handler

2-Pipe Chilled Water - Optional Electric Heat

Mounts flush with ceiling, evenly distributing conditioned air. Only the facia assembly is visible. Great for conditioning rooms with drop ceilings.

8,000-36,000 Btuh Capacities

- 208-230V/1/60Hz Standard
  - 115V/1/60Hz Available
  - 220-240/1/50Hz Available
  - No De-rate for 115V or 50Hz
- 6 Nominal Capacities
  - 8,000 Btuh
  - 12,000 Btuh
  - 18,000 Btuh
  - 20,000 Btuh
  - 33,000 Btuh
  - 36,000 Btuh
- 24 Vac Remote Thermostat Configuration (Thermostat Sold Separately)
- Infrared Handheld Remote Control Option (Remote Sold Separately)
- Washable Return Air Filter(s)
- 2-Pipe Applications Allow for Optional E-Boost Electric Heat:
  - 1.5kW - 8,000/12,000 Btuh
  - 3kW - 18,000/20,000 Btuh
  - 5kW - 33,000/36,000 Btuh
- Supply-Discharge Air Louvers
  - 08/12k Btuh - Manually Adjustable
  - 18-36k Btuh - Auto Sweep or Fixed Positions Stop
- Factory-Installed Condensate Pump (30" Lift)
- Fresh Air & Branch Duct Knockouts

CAW 2-Pipe – Cooling Performance (High Fan)

Cooling Capacity		Entering / Leaving Water Temperatures (No Glycol)							
Model*	Entering Dry Bulb Air Temperature (°F) at 50% RH	40/50°F				45/55°F			
		Total Capacity	Sensible Capacity	Flow Rate	Pressure Drop	Total Capacity	Sensible Capacity	Flow Rate	Pressure Drop
		Btuh	Btuh	GPM	Ft. H_2O	Btuh	Btuh	GPM	Ft. H_2O
CAW08	72	7,700	7,300	1.5	3.3	5,900	5,900	1.2	2.0
	75	9,100	8,000	1.8	4.5	7,200	6,900	1.4	2.9
	80	12,900	9,400	2.6	8.6	9,600	8,100	1.9	4.9
CAW12	72	10,500	8,900	2.1	1.9	7,400	7,200	1.5	0.9
	75	12,700	9,900	2.5	2.9	9,300	8,400	1.9	1.5
	80	17,700	11,700	3.5	5.4	13,500	10,000	2.7	3.2
CAW18	72	11,800	11,800	2.3	0.6	9,000	9,000	1.8	0.4
	75	15,900	14,300	3.2	1.0	10,700	10,700	2.1	0.5
	80	24,000	17,700	4.8	2.5	18,000	15,100	3.6	1.3
CAW20	72	12,300	12,300	2.4	0.6	9,300	9,300	1.9	0.4
	75	17,200	15,400	3.4	1.2	11,200	11,200	2.2	0.5
	80	27,200	19,400	5.4	3.2	19,400	16,300	3.9	1.6
CAW33	72	26,700	22,900	5.3	2.7	19,200	18,800	3.8	1.3
	75	33,300	25,800	6.6	4.4	23,900	21,700	4.8	2.2
	80	50,300	32,400	10.0	9.4	36,800	26,700	7.3	5.2
CAW36	72	30,500	26,300	6.1	3.7	21,900	21,500	4.4	1.8
	75	39,700	30,400	7.9	6.1	27,300	24,900	5.5	2.9
	80	58,400	37,600	11.6	12.5	43,500	31,200	8.7	7.2

*Note: Please refer to specifications for the full model number when ordering and specifying equipment.

CAW 2-Pipe Cassette — Electrical Specifications

	Model	Fan Motor			Electric Heat		Total AMPS	Min Volt	M.C.A.	HACR BRKR
		Volts/Phase/Hertz	RLA	H.P.	kW	AMPS				
60 HZ	CAW 08/12	115/1/60	0.9	1/10	N/A	–	0.9	104	1.2	15
	CAW 08/12	208-230/1/60	0.35	1/10	–	–	0.4	197	0.5	15
	CAW 08/12	208-230/1/60	0.35	1/10	1.5	6.52	6.9	197	8.6	15
	CAW 18/20	115/1/60	1.1	1/8	N/A	–	1.1	104	1.4	15
	CAW 18/20	208-230/1/60	0.55	1/8	–	–	0.6	197	0.7	15
	CAW 18/20	208-230/1/60	0.55	1/8	3	13.04	13.6	197	17.0	20
	CAW 33/36	115/1/60	1.0, 1.0	1/10, 1/10	N/A	–	2.0	104	2.3	15
	CAW 33/36	208-230/1/60	0.5, 0.5	1/10, 1/10	–	–	1.0	197	1.2	15
	CAW 33/36	208-230/1/60	0.5, 0.5	1/10, 1/10	5	21.74	22.7	197	28.3	30
50 HZ	CAW 08/12	220-240/1/50	0.35	1/10	–	–	0.4	198	0.4	15
	CAW 08/12	220-240/1/50	0.35	1/10	1.56	6.8	7.2	198	8.9	15
	CAW 18/20	220-240/1/50	0.55	1/8	–	–	0.6	198	0.7	15
	CAW 18/20	220-240/1/50	0.55	1/8	3.2	13.6	14.2	198	17.7	20
	CAW 33/36	220-240/1/50	0.5, 0.5	1/10, 1/10	–	–	1.0	198	1.3	15
	CAW 33/36	220-240/1/50	0.5, 0.5	1/10, 1/10	5.4	22.7	23.7	198	29.6	30

CAW – Technical Data

Connections	CAW 08/12	CAW 18/20	CAW 33/36
Chilled Water Inlet	5/8"	7/8"	7/8"
Chilled Water Outlet	5/8"	7/8"	7/8"
Condensate	1/2"	1/2"	1/2"
Branch Duct Diameter	5"	5"	5"
Fresh Air Duct Diameter	1 1/2" x 2 1/2"	3" x 3"	3" x 3"
Filtration	**CAW 08/12**	**CAW 18/20**	**CAW 33/36**
Type	Wire Framed Periframe		
Quantity	1	2	3
Arrestance	80%	80%	80%
Condensate Pump	**CAW 08/12**	**CAW 18/20**	**CAW 33/36**
Maximum Head	30"	30"	30"
Nominal Flow Rate (Gpm)	0.1	0.1	0.1

Shipping Weights

Model	208-230V & 220-240V	115V
	Lbs. (kg	Lbs. (kg)
CAW08	70 (31.8 kg)	80 (36.3 kg)
CAW12	70 (31.8 kg)	80 (36.3 kg)
CAW18	108 (49.1 kg)	118 (53.5 kg)
CAW20	108 (49.1 kg)	118 (53.5 kg)
CAW33	146 (66.4 kg)	169 (76.7 kg)
CAW36	146 (66.4 kg)	169 (76.7 kg)

CAW – Airflow / Indoor Sound Levels

Model	Air Flow		Indoor Sound Levels	
	High Speed	Low Speed	High Speed	Low Speed
	CFM	CFM	(dBA)	(dBA)
CAW08	360	300	41	39
CAW12	360	300	41	39
CAW18	650	550	44	42
CAW20	700	600	44	42
CAW33	950	750	51	49
CAW36	1100	900	51	49

CAW Cassette Air Handler

CAW 4-Pipe Chilled Water with Hydronic Heat

Mounts flush with ceiling, evenly distributing conditioned air. Only the facia assembly is visible. Great for conditioning rooms with drop ceilings.

8,000-36,000 Btuh Capacities

- 208-230V/1/60Hz Standard
  - 115V/1/60Hz Available
  - 220-240/1/50Hz Available
  - No De-rate for 115V or 50Hz
- 6 Nominal Capacities
  - 8,000 Btuh
  - 12,000 Btuh
  - 18,000 Btuh
  - 20,000 Btuh
  - 33,000 Btuh
  - 36,000 Btuh
- 24 Vac Remote Thermostat Configuration (Thermostat Sold Separately)
- Infrared Handheld Remote Control Option (Remote Sold Separately)
- Washable Return Air Filter(s)
- Supply-Discharge Air Louvers
  - 08/12k Btuh - Manually Adjustable
  - 18-36k Btuh - Auto Sweep or Fixed Positions Stop
- Factory-Installed Condensate Pump (30" Lift)
- Fresh Air & Branch Duct Knockouts

CAW 4-Pipe – Cooling Performance (High Fan)

Cooling Capacity		Entering / Leaving Water Temperatures (No Glycol)							
Model*	Entering Dry Bulb Air Temperature (°F) at 50% RH	40/50°F				45/55°F			
		Total Capacity	Sensible Capacity	Flow Rate	Pressure Drop	Total Capacity	Sensible Capacity	Flow Rate	Pressure Drop
		Btuh	Btuh	GPM	Ft. H_20	Btuh	Btuh	GPM	Ft. H_20
CAW08	72	7,700	7,300	1.5	3.3	5,900	5,900	1.2	2.0
	75	9,100	8,000	1.8	4.5	7,200	6,900	1.4	2.9
	80	12,900	9,400	2.6	8.6	9,600	8,100	1.9	4.9
CAW12	72	10,500	8,900	2.1	1.9	7,400	7,200	1.5	0.9
	75	12,700	9,900	2.5	2.9	9,300	8,400	1.9	1.5
	80	17,700	11,700	3.5	5.4	13,500	10,000	2.7	3.2
CAW18	72	11,800	11,800	2.3	0.6	9,000	9,000	1.8	0.4
	75	15,900	14,300	3.2	1.0	10,700	10,700	2.1	0.5
	80	24,000	17,700	4.8	2.5	18,000	15,100	3.6	1.3
CAW20	72	12,300	12,300	2.4	0.6	9,300	9,300	1.9	0.4
	75	17,200	15,400	3.4	1.2	11,200	11,200	2.2	0.5
	80	27,200	19,400	5.4	3.2	19,400	16,300	3.9	1.6
CAW33	72	26,700	22,900	5.3	2.7	19,200	18,800	3.8	1.3
	75	33,300	25,800	6.6	4.4	23,900	21,700	4.8	2.2
	80	50,300	32,400	10.0	9.4	36,800	26,700	7.3	5.2
CAW36	72	30,500	26,300	6.1	3.7	21,900	21,500	4.4	1.8
	75	39,700	30,400	7.9	6.1	27,300	24,900	5.5	2.9
	80	58,400	37,600	11.6	12.5	43,500	31,200	8.7	7.2

*Note: Please refer to specifications for the full model number when ordering and specifying equipment.

CAW 4-Pipe Cassette — Electrical Specifications

	Model	Fan Motor			Electric Heat		Total AMPS	Min Volt	M.C.A.	HACR BRKR
		Volts/Phase/Hertz	RLA	H.P.	kW	AMPS				
60 HZ	CAW 08/12	115/1/60	0.9	1/10	N/A	–	0.9	104	1.2	15
	CAW 08/12	208-230/1/60	0.35	1/10	–	–	0.4	197	0.5	15
	CAW 18/20	115/1/60	1.1	1/8	N/A	–	1.1	104	1.4	15
	CAW 18/20	208-230/1/60	0.55	1/8	–	–	0.6	197	0.7	15
	CAW 33/36	115/1/60	1.0, 1.0	1/10, 1/10	N/A	–	2.0	104	2.3	15
	CAW 33/36	208-230/1/60	0.5, 0.5	1/10, 1/10	–	–	1.0	197	1.2	15
50 HZ	CAW 08/12	220-240/1/50	0.35	1/10	–	–	0.4	198	0.4	15
	CAW 18/20	220-240/1/50	0.55	1/8	–	–	0.6	198	0.7	15
	CAW 33/36	220-240/1/50	0.5, 0.5	1/10, 1/10	–	–	1.0	198	1.3	15

CAW – Technical Data

Connections	CAW 08/12	CAW 18/20	CAW 33/36
Chilled/Hot Water Inlet	5/8"	7/8"	7/8"
Chilled/Hot Water Outlet	5/8"	7/8"	7/8"
Condensate	1/2"	1/2"	1/2"
Branch Duct Diameter	5"	5"	5"
Fresh Air Duct Diameter	1 1/2" x 2 1/2"	3" x 3"	3" x 3"
Filtration	**CAW 08/12**	**CAW 18/20**	**CAW 33/36**
Type	Wire Framed Periframe		
Quantity	1	2	3
Arrestance	80%	80%	80%
Condensate Pump	**CAW 08/12**	**CAW 18/20**	**CAW 33/36**
Maximum Head	30"	30"	30"
Nominal Flow Rate (Gpm)	0.1	0.1	0.1

CAW – Hot Water 4-Pipe Cassette Capacities

HOT WATER ENTERING TEMPERATURE 180°F

Model	Room Conditions	Heating Capacity Btuh	Water Flow GPM	Leaving Water Temperature	P.D. Ft. H_2O
CAW08	70°F DB	13,300	1.4	160°F	2.8
	50% RH	10,000	0.5	*140°F	0.5
CAW12	70°F DB	17,000	1.8	160°F	1.6
	50% RH	13,500	0.7	140°F	0.5
CAW18	70°F DB	29,800	3.2	160°F	2.8
	50% RH	22,500	1.2	140°F	0.2
CAW20	70°F DB	30,800	3.5	160°F	2.8
	50% RH	23,200	1.2	140°F	0.2
CAW33	70°F DB	49,500	5.4	160°F	8.3
	50% RH	37,800	2.1	140°F	2.3
CAW36	70°F DB	53,900	5.6	160°F	9.2
	50% RH	40,600	2.2	140°F	2.3

*140°F Leaving Water Temperture data is in accordance with ANSI/AHRI Standard 440-2008.

CAW – Airflow / Indoor Sound Levels

Model	Air Flow		Indoor Sound Levels	
	High Speed	Low Speed	High Speed	Low Speed
	CFM	CFM	(dBA)	(dBA)
CAW08	360	300	41	39
CAW12	360	300	41	39
CAW18	650	550	44	42
CAW20	700	600	44	42
CAW33	950	750	51	49
CAW36	1100	900	51	49

Shipping Weights

Model	208-230V & 220-240V	115V
	Lbs. (kg	Lbs. (kg)
CAW08	76 (34.5 kg)	86 (39.0 kg)
CAW12	76 (34.5 kg)	86 (39.0 kg)
CAW18	115 (52.2 kg)	125 (56.7 kg)
CAW20	115 (52.2 kg)	125 (56.7 kg)
CAW33	175 (79.4 kg)	185 (83.9 kg)
CAW36	175 (79.4 kg)	185 (83.9 kg)

CCP Ceiling-Suspended Air Handler

2-Pipe Chilled Water - Optional Electric Heat
4-Pipe Chilled Water with Hydronic Heat

Positioned anywhere on the ceiling, unit will easily condition larger areas. A perfect alternative to open up wall and floor space.

9,000-48,000 Btuh Capacities

- 208-230V/1/60Hz Standard
  - 115V/1/60Hz Available
  - 220-240/1/50Hz Available
- Four Chassis Sizes
  - 12 - (~9/12k Btuh)
  - 24 - (~18/24k Btuh)
  - 30 - (~30k Btuh)
  - 48 - (~36/42/48k Btuh)
- 24 Vac Remote Thermostat Configuration, Standard (Thermostat Sold Separately)
- Unit Mounted Keypad Control with Optional Infrared Handheld Remote Control
- 2-Pipe Applications allow for Optional E-Boost Electric Heat:
  - 3kW - 9/12k Btuh
  - 5kW - 18/24/30k Btuh
  - 7kW - 36/42/48k Btuh
- 4-Pipe Applications, Hydronic Cooling & Heating
- Adjustable, Plastic Discharge Air Grille
- Field-Installed Condensate Pumps (Optional)
  - Shelf/Floor Mount or Internally Mounted
- Washable Return Air Filter(s)

CCP 2-Pipe – Cooling Performance (High Fan)

Cooling Capacity		All Capacities Based on 80°F Dry Bulb / 67°F Wet Bulb Entering Air Temperature				Optional Electric Heat (@ 230V)
Model*	Fluid Temperature (°F)	Total Capacity	Sensible Capacity	Flow Rate	Pressure Drop	
		Btuh	Btuh	GPM	Ft. H_20	
CCP12	45	7,800	7,300	1	3.0	3.0 kW
	45	10,900	8,800	2	5.3	
	45	13,300	9,800	3	8.8	
	40	9,000	7,800	1	3.0	
	40	12,700	9,500	2	5.3	
	40	15,600	10,700	3	8.8	
CCP24	45	17,400	15,000	3	3.4	5.0 kW
	45	22,500	17,200	5	10.1	
	40	19,000	15,100	3	3.4	
	40	26,600	19,700	5	10.1	
CCP30	45	21,600	17,000	3	4.8	
	45	26,750	19,500	4.5	10.2	
	45	29,500	20,600	6	17.2	
	40	25,000	18,600	3	4.8	
	40	31,000	21,500	4.5	10.2	
	40	35,000	23,000	6	17.2	
CCP48	45	34,512	28,430	4	6.4	7.0 kW
	45	42,872	32,080	6	13.3	
	45	47,364	33,977	8	22.6	
	40	39,081	30,341	4	6.4	
	40	49,981	35,067	6	13.5	
	40	56,292	37,832	8	22.8	

*Note: Please refer to specifications for the full model number when ordering and specifying equipment.

CCP — Electrical Specifications (No Electric Heat)

Model	Fan Motor		Min Volt	Min Ampacity[1]	Max Fuse[1]
	Volts/Phase/Hertz	FLA			
CCP12	115/1/60	1.4	104	1.8	15
CCP12	208-230/1/60	0.6	197	0.8	15
CCP12	220-240/1/50	0.67	198	0.8	15
CCP24	208-230/1/60	1.1	197	1.4	15
CCP30	208-230/1/60	1.1	197	1.4	15
CCP24/30	220-240/1/50	1.1	198	1.4	15
CCP48	208-230/1/60	1.1/1.1	197	2.5	15
CCP48	220-240/1/50	1.1	198	2.5	15

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

CCP – Water Connections

Model	09/12 Cabinet	18/24 Cabinet	24/30 Cabinet	36/42/48 Cabinet
Chilled Water Inlet	5/8" OD 1/2" ID	3/4" OD 5/8" ID	3/4" OD 5/8" ID	7/8" OD 3/4" ID
Chilled Water Outlet	5/8" OD 1/2" ID	3/4" OD 5/8" ID	3/4" OD 5/8" ID	7/8" OD 3/4" ID
Hot Water Inlet	1/2" OD 3/8" ID	1/2" OD 3/8" ID	1/2" OD 3/8" ID	1/2" OD 3/8" ID
Hot Water Outlet	1/2" OD 3/8" ID	1/2" OD 3/8" ID	1/2" OD 3/8" ID	1/2" OD 3/8" ID
Drain Size	5/8" OD 1/2" ID	5/8" OD 1/2" ID	5/8" OD 1/2" ID	5/8" OD 1/2" ID

CCP – Airflow / Indoor Sound Levels

Model	Air Flow 230V, High Fan Speed, Dry Coil			Indoor Sound Levels @ 230V High Speed
	CFM	FPM	Throw/Ft.	(dBA)
CCP12	350	290	12.4	46.3
CCP24	650	430	18.6	50.8
CCP30	800	533	18.6	56
CCP48	1,200	500	19.0	64.2

Fan Operation: Auto-High-Low

CCP – With Electric Heat Options

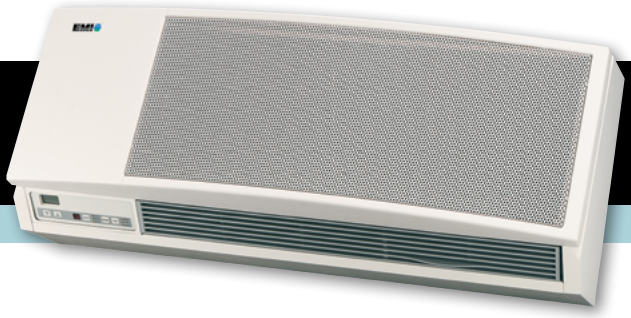
Model	Voltage	kW	Heater Amps	Total Amps	Min. Cir. Amps	Max. Fuse
CCP12	208-230	3	13.1	13.7	17.1	20
CCP12	220-240	3	13.6	14.3	17.8	20
CCP24	208-230	5	21.7	22.8	28.6	30
CCP30	208-230	5	21.7	22.8	28.6	30
CCP24/30	220-240	5	22.7	23.8	29.8	30
CCP48	208-230	7	30.4	32.6	40.8	45
CCP48	220-240	7	31.75	34.0	42.5	45

4-Pipe Hydronic Heat Data

Model	EWT °F	GPM	Capacity	P. Drop Ft H_2O
CCP12	140	2	14,500	3.4
	160	2	22,900	3.4
CCP24	140	4	27,200	5.2
	160	4	43,200	5.2
CCP30	140	4	29,800	5.2
	160	4	47,300	5.2
CCP48	140	4	40,300	6.1
	160	4	64,100	6.1

Shipping Weights

Model	Shipping Weight
	Lbs. (kg)
CCP12	115 (52.2 kg)
CCP24/30	135 (61.2 kg)
CCP48	160 (72.6 kg)



WCP High Wall Air Handler

2-Pipe Chilled Water - Optional Electric Heat

Installed near the ceiling, circulates conditioned air smoothly while providing high efficiency conditioning for desired room comfort.

9,000-30,000 Btuh Capacities

- 208-230V/1/60Hz Standard
  - 115V/1/60Hz Available
  - 220-240/1/50Hz Available
- Three Chassis Sizes:
  - 12 - (~9/12k Btuh)
  - 18 - (~15/18k Btuh)
  - 30 - (~24/30k Btuh)
- Adjustable, Plastic Discharge Air Grille
- Field-Installed Condensate Pump (Optional)
- 2-Pipe Applications allow for Optional E-Boost Electric Heat:
  - 3kW - 9/12/15/18k Btuh
  - 5kW - 24/30-5kW
- 24 Vac Remote Thermostat Configuration, Standard
- Unit Mount Controls Option
  - Infrared Handheld Remote Control Available
- Washable Return Air Filter(s)

WCP 2-Pipe – Cooling Performance (High Fan)

Cooling Capacity		All Capacities Based on High Speed Fan and 80°F Dry Bulb / 67°F Wet Bulb Entering Air Temperature				Optional Electric Heat (208/230V)
Model*	Entering Dry Bulb Air Temperature (°F) at 50% RH	Total Capacity	Sensible Capacity	Flow Rate	Pressure Drop	
		Btuh	Btuh	GPM	Ft. H_20	
WCP12	45	7,375	6,732	1	0.8	3.0 kW
	45	10,801	8,272	2	3.8	
	45	13,270	9,279	3	8.0	
	40	8,387	7,189	1	0.8	
	40	12,481	8,950	2	3.9	
	40	15,643	10,304	3	8.1	
WCP18	45	15,624	13,477	2	4.4	
	45	19,761	15,367	3	9.1	
	40	17,724	14,379	2	4.5	
	40	23,073	16,763	3	9.3	
WCP30	45	20,563	17,564	3	2.3	5.0 kW
	45	29,031	21,178	6	8.3	
	45	32,320	22,539	9	17.7	
	40	23,600	18,887	3	2.4	
	40	34,400	23,423	6	8.4	
	40	38,790	25,351	9	17.9	

*Note: Please refer to specifications for the full model number when ordering and specifying equipment.

WCP — Electrical Specifications

Model	Fan Motor			Total AMPS	Min Volt	Min Ampacity[1]	Max Fuse[1]
	Volts/Phase/Hertz	FLA	H.P.				
WCP12A	115/1/60	0.64	0.03	0.64	104	0.8	15
WCP12A	208-230/1/60	0.34	0.02	0.34	197	0.43	15
WCP12F	220-240/1/50	0.34	0.02	0.3	197	0.43	15
WCP18A	115/1/60	1.2	0.083	1.2	104	1.5	15
WCP18D	208-230/1/60	0.56	0.07	0.56	197	0.7	15
WCP18F	220-240/1/50	0.56	0.07	0.56	197	0.7	15
WCP30A	115/1/60	1.2	0.083	1.2	104	1.5	15
WCP30D	208-230/1/60	0.56	0.07	0.56	197	0.7	15
WCP30F	220-240/1/50	0.56	0.07	0.56	197	0.7	15

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

WCP – With Electric Heat Options

Model	Voltage	kW	Heater Amps	Total Amps	Min. Cir. Amps	Max. Fuse
WCP12	230	3	13.1	13.4	16.7	20
WCP12	240	3.2	13.6	13.9	17.4	20
WCP18	230	3	13.1	13.6	17	20
WCP18	240	3.2	13.6	14.2	17.7	20
WCP30	230	5	21.7	22.3	27.9	30
WCP30	240	5.4	22.7	23.3	29.1	30

Shipping Weights

Model	Shipping Weight
	Lbs. (kg)
WCP12	85 (38.6 kg)
WCP18	115 (52.2 kg)
WCP30	115 (52.2 kg)

WCP – Water Connections

Model	Small Cabinet 12	Medium Cabinet 18	Large Cabinet 30
Chilled Water Inlet	5/8" OD 1/2" ID	3/4" OD 5/8" ID	3/4" OD 5/8" ID
Chilled Water Outlet	5/8" OD 1/2" ID	3/4" OD 5/8" ID	3/4" OD 5/8" ID
Drain Size	5/8" OD 1/2" ID	5/8" OD 1/2" ID	5/8" OD 1/2" ID

WCP – Airflow / Indoor Sound Levels

Model	Air Flow			Indoor Sound Levels @ 230V High Speed
	230V, High Fan Speed, Dry Coil			
	CFM	FPM	Throw/Ft.	(dBA)
WCP12	310	960	16	48
WCP18	600	1412	26	51
WCP30	750	1400	25	54

Fan Operation: Auto-High-Low

EMI Presents

comfortWAVE

Chilled/Hydronic Ductless Air Handlers

For complete product information, please refer to individual unit specifications, installation and operation manual, and other product literature found on www.enviromaster.com. Due to on-going product development, specifications are subject to change without notice.

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