



Engineered to elevate efficiency and comfort
..... to the next level!!

WECS SERIES

CASSETTE WATER FAN COIL UNITS

460-1,180 CFM (780-2,000 m³/h)

Cooling Capacity: 15,690-44,350 Btuh (4.6-13.0 kW)

Heating Capacity: 26,620-49,810 Btuh (7.8-14.6 kW)

Product Features (Standard)

- ✓ Cooling & Heating.
- ✓ Built in Insulated Drain Pump.
- ✓ Water Level Switch.
- ✓ Inner Groove Cooper Tubes.
- ✓ Compact Design.
- ✓ Multi Fan with 3 Speeds.
- ✓ Self Diagnosis.
- ✓ Easy Connect Threaded Brass Connections.
- ✓ 4 Direction Airflow.
- ✓ Auto Swing Louver.
- ✓ Whisper Quiet Design.
- ✓ Microcomputer Control.
- ✓ Washable Filter.

Product Features (Optional)

- ✓ Wired Remote Controller (WCA-CC308).
- ✓ 3 Way Electronic Valve, 3/4 (WECA-3V340A).
- ✓ Copper Fins.



Standard Wireless Controller



Optional Wired Controller



A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

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MODEL NO.	WECS	005C2	006C2	007C2	008C2	009C2	010C2	012C2	
		W-RWTN085	W-RWTN102	W-RWTN125	W-RWTN140	W-RWTN160	W-RWTN180	W-RWTN200	
Air Flow Volume (Hi)	CFM (m ³ /hr)	460 (780)	600 (1020)	665 (1130)	800 (1350)	910 (1550)	1060 (1800)	1180 (2000)	
Cooling Capacity	Btuh (kw)	15,695 (4.60)	18,425 (5.40)	21,496 (6.30)	27,296 (8.00)	30,708 (9.00)	34,120 (10.00)	44,356 (13.00)	
Heating Capacity	Btuh (kw)	26,614 (7.80)	30,708 (9.00)	34,120 (10.00)	40,944 (12.00)	47,768 (14.00)	54,592 (16.00)	64,828 (19.00)	
Water Flow Rate	GPM (L/S)	3.49 (0.22)	4.13 (0.26)	4.76 (0.30)	6.03 (0.38)	6.83 (0.43)	7.62 (0.48)	9.84 (0.62)	
Water Pressure drop	ft-wtr (kPa)	9.03 (27.00)	16.05 (48.00)	9.03 (27.00)	11.04 (33.00)	11.37 (34.00)	14.05 (42.00)	11.70 (35.00)	
Coil Type	Aluminum fin - Copper tube								
Coil face Area	Sqft	2.45	2.45	3.68	3.68	3.68	5.31	5.31	
Coil face Velocity	f/m (m/s)	187 (0.95)	244 (1.24)	181 (0.92)	216 (1.10)	248 (1.26)	199 (1.01)	222 (1.13)	
Electrical	Voltage	208 - 230 /1/60 Hz							
	FLA	0.34	0.63	0.40	0.58	0.66	0.77	1.10	
Fan Motor	Input (W)	70	130	82	120	140	160	230	
	Type	PSC - Permanent Split Capacitor Motor							
	Speed	3-Speed							
	Type	Coaxial Turbo Fan							
Noise L. Hi (db)		39	49	43	50	51	50	55	
Air Filter	Cleanable Cartridge Type								
Water Connections In & Out inches (mm)		3/4 (19.05)	3/4 (19.05)	3/4 (19.05)	3/4 (19.05)	3/4 (19.05)	3/4 (19.05)	3/4 (19.05)	
Drain Connections Threaded inches (mm)		1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	
Body Dimensions inches (mm)	Height	7 1/2 (190)	7 1/2 (190)	9 1/2 (240)	9 1/2 (240)	9 1/2 (240)	12 5/8 (320)	12 5/8 (320)	
	Width	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	
	Depth	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	
Body Net Weight Lbs (kgs)		55.1 (25)	55.1 (25)	57.3 (26)	57.3 (26)	57.3 (26)	70.5 (32)	70.5 (32)	
Panel Dimensions inches (mm)	Height	3 1/3 (85)	3 1/3 (85)	3 1/3 (85)	3 1/3 (85)	3 1/3 (85)	3 1/3 (85)	3 1/3 (85)	
	Width	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	
	Depth	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	
Panel Net Weight Lbs (kgs)		15.4 (7)	15.4 (7)	15.4 (7)	15.4 (7)	15.4 (7)	15.4 (7)	15.4 (7)	

Notes:

- Nominal cooling capacities are based in Cassette water Fan Coil, air entering conditions DB : 27 °C (80° F) WB : 19 °C (66.2° F) entering chilled water conditions : 7 °C (44.6° F) leaving chilled water conditions : 12 °C (53.6° F) at High Speed Fan , 220/1/60Hz.
- Sound Power level will be according to ISO 5151, Sound Pressure calculated at 1m of distance.
- Area for ceiling opening required is 890 x 890 mm.
- For details of model number nomenclature, please refer to publication OMGNM-0215.