



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

## WAUD SERIES

### CONVERTIBLE WATER AIR HANDLING UNIT

400-2,000 CFM (680 - 3,400 m<sup>3</sup>/h)  
4-Row Coil (\*\*)

#### Product Features (Standard)

- ✓ Cooling & Heating.
- ✓ Convertible for vertical & horizontal installation.
- ✓ Built-in two-position drain pan.
- ✓ Compact & Quiet Design.
- ✓ Easy Access Front Panel.
- ✓ 3-Speed Fan.
- ✓ Galvanized Blower Wheel & Housing.
- ✓ Male Pipe Thread Connections.
- ✓ PSC Motors with Ball Bearing.
- ✓ Thermal Overload Protection.
- ✓ Cleanable Filter.
- ✓ 208-230/1/60 Hz Power Supply.
- ✓ 2 Pipe or 4 Pipe Version Available.
- ✓ 24, 120 or 230 Volt Control Options.
- ✓ (\*\*\*) 3-Row Coil on 400 CFM Model.

#### Product Features (Optional)

- ✓ ECM Motors.
- ✓ Programable Digital Thermostat.
- ✓ Copper Fins.
- ✓ Electric Heater.
- ✓ 2 or 3-Way Motorized Valves.
- ✓ 115/1/60 Hz Power Supply.



A Product of  
**OMEGA**  
Environmental  
Technologies LLC.

**ISO 14001 ISO 9001**



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4 ROW-COIL Data

MODEL NO.	WAUD	004C24 -TNSN068	006C24 -TNSN102	008C24 -TNSN136	012C24 -TNSN204	016C24 -TNSN272	020C24 -TNSN340
Total Capacity	BTU/h (kW)	12,800 (3.8)	20,400 (6.0)	26,400 (7.7)	37,820 (10.5)	51,260 (15.0)	61,480 (18.0)
Sensible Capacity	BTU/h (kW)	9,600 (2.8)	14,990 (3.2)	19,400 (8.7)	27,800 (8.1)	37,780 (11.1)	45,380 (13.3)
Water Flow Rate	GPM (L/s)	2.4 (0.15)	3.6 (0.23)	4.8 (0.30)	7.2 (0.45)	9.6 (0.61)	12.0 (0.76)
Water Pressure drop	ft-wg (kPa)	2.9 (8.7)	3.5 (10.5)	6.3 (18.8)	9.67 (28.9)	6.4 (34.1)	14.3 (42.7)
Air Flow @ esp 0.4 in (100 Pa)	CFM (m³/hr)	400 (680)	600 (1020)	800 (1360)	1200 (2040)	1600 (2720)	2000 (3400)
Coil Type	Aluminum Fins - Copper Tube 4-Row Coil (004 - 3-Row)						
Coil face Area	ft² (m²)	1.75 (0.16)	1.75 (0.16)	1.75 (0.16)	2.89 (0.27)	4.17 (0.38)	4.17 (0.38)
Coil face Velocity	ft/min (m/s)	229 (1.16)	343 (1.74)	457 (2.32)	415 (2.10)	384 (1.95)	479 (2.43)
Electrical	Voltage	208 ~ 230 / 1Ph / 60 Hz					
	FLA	1.5	1.5	1.5	1.9	3.3	4.0
Fan Motor	Type	PSC - Permanent Split Capacitor Motor					
	HP	1/4	1/4	1/4	1/3	1/2	3/4
	Speed	3-Speed					
	Type	Centrifugal					
	Fan Qty	1					
	Blower Size (in)	9 x 7	9 x 7	9 x 7	10 x 8	10 x 10	10 x 10
Air Filter	Cleanable Filter						
Water Connections M.P.T - In/Out in. (mm)	1/2 (12.7)		1/2 (12.7)		3/4 (19.05)		1 (25.4)
Drain Connections Threaded inches (mm)	3/4 (19.05)						
Dimensions inches (mm)	Height	38 (965)	38 (965)	38 (965)	47 5/8 (1210)	47 5/8 (1210)	47 5/8 (1210)
	Width	16 1/2 (420)	16 1/2 (420)	16 1/2 (420)	18 1/2 (470)	22 (560)	22 (560)
	Depth	19 1/2 (495)	19 1/2 (495)	19 1/2 (495)	20 7/8 (530)	24 5/8 (625)	24 5/8 (625)
Net Weight Lbs (kgs)	81 (36.8)		84 (38.0)		100 (45.4)		148 (67.3)

#### Notes:

- Cooling capacities shown are based on AHRI 210/240 standards, air entering coil at 80/67 °F DB/WB and water entering coil @ 45 °F with 10 °F temperature difference.
- Standard units would be with 208-230/1/60 motors where 115/1/60 motors will be available as option.
- For details of model number nomenclature, please refer to publication OMGNM-0821.



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