

OMEGA VRF TECHNOLOGY

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

VEVA SERIES VRF Air Handling Unit Built-in VFD & VRF Controller

Cooling Capacity Min~Max: 96,000 ~ 480,000 BTU/h (28.0 ~ 140.0 kW)

Product Features

- ✓ DC Inverter Technologies.
- ✓ Built-in VFD Control (optional).
- ✓ Built-in EXV.
- ✓ Factory-Installed VRF Control Panel.
- ✓ WiFi Control
- ✓ Belt Drive.
- ✓ Variable Pitch Motor Pulley.
- ✓ High Static Design.
- ✓ Adjustable Fan Position.
- ✓ Self-Diagnostics Function.
- ✓ Factory Tested.



Deluxe Wired Controller
VAECD-G001



Wi Fi Smart Box
VAESB-G64WF



A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

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VRF AIR HANDLING UNIT									
MODEL NO.	VEVA	008Q	010Q	015Q	020Q	025Q	030Q	035Q	040Q
		7A-TCV280	7A-TCV335	7A-TCV500	7A-TCV670	7A-TCV900	7A-TCV1060	7A-TCV1230	7A-TCV1400
Cooling Capacity	BTU/h (kW)	96,000 (28.0)	115,000 (33.5)	171,000 (50.0)	230,000 (67.0)	307,000 (90.0)	362,000 (106.0)	420,000 (123.0)	480,000 (140.0)
Refrigerant Control	Electronic Expansion Valve Factory Install								
Coil Type	Grooved Cooper Tubes - Aluminum Blue Slit Fin								
Electrical	Voltage-Phase	220/380-415/3Ph							
	Frequency	50 Hz							
	FLA	5.2/2.6	5.7/2.8	9.6/4.8	15.2/7.6	15.2/7.6	22.0/11.0	21.0-19.0	26.5
	Power Input (W) / (hp)	1120 / 1 1/2	1490 / 2	2240 / 3	3730 / 5	3730 / 5	5600 / 7 1/2	5600 / 7 1/2	7460 / 10
Air Filter	Cleanable Cartridge Type								
Fan	Type	Centrifugal Fan							
	Speed	Variable-Speed (VFD Drive) (optional)							
	Qty	1	1	1	2	2	2	2	2
	Air Flow CFM (m³/hr) (Nom)	3,200 (5,400)	4,000 (6,800)	6,000 (10,200)	8,000 (13,600)	10,000 (17,000)	12,000 (20,400)	14,000 (23,800)	16,000 (27,200)
	Esp Range in-wt / (Pa)	0 - 2.0 (0 - 500)							
Refrigerant Connections inches (mm)	Type	Sweat							
	Liquid	1/2 (12.7)	1/2 (12.7)	3/4 (19.05)	3/4 (19.05)	7/8 (22.2)	2 x 5/8 (15.9)	2 x 5/8 (15.9)	2 x 5/8 (15.9)
	Suction	1 1/8 (28.6)	1 1/8 (28.6)	1 1/8 (28.6)	1 3/8 (34.9)	1 5/8 (41.3)	2 x 1 3/8 (34.9)	2 x 1 3/8 (34.9)	2 x 1 3/8 (34.9)
Drain Connections inches (mm)	1 (25.4)		1 (25.4)		1 (25.4)		1 (25.4)		1 (25.4)
Dimensions inches (mm)	Height	63 3/4 (1620)	63 3/4 (1620)	71 5/8 (1820)	71 5/8 (1820)	77 1/2 (1970)	77 1/2 (1970)	77 1/2 (1970)	86 5/8 (2200)
	Width	45 7/8 (1165)	53 3/4 (1365)	69 1/2 (1765)	88 5/8 (2250)	88 5/8 (2250)	100 (2540)	100 (2540)	100 (2540)
	Depth	31 1/2 (800)	31 1/2 (800)	35 1/2 (900)	35 1/2 (900)	35 1/2 (900)	35 1/2 (900)	35 1/2 (900)	39 3/8 (1000)
Net Weight Lbs (kgs)	497 (226)		517 (235)		680 (310)		790 (360)		814 (370)



VFD Control
Pre-Wired



Built-in
Control Panel



Belt Drive



Blower Assembly

- Notes:**
- Nominal capacities are based on ARI standards 210/240-89, air entering the indoor coil operating at high fan speed for 220V-240V setting. Cooling: 80/67° F (27/19° C) DB/WB indoor & 95° F (35° C) outdoor ambient temperature.
 - Electronic Expansion Valve is installed at the air handling unit.

- Sweat connections are provided for connecting indoor and outdoor units.
- Insulation of both liquid and suction line is required (Heat Pump Mode).
- For details of model number nomenclature, please refer to publication OGMN-0721.

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