

OMEGA VRF TECHNOLOGY

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

VECM SERIES Compact Four-Way Cassette VRF Indoor Unit 3D Inverter Heat Pump

Cooling Capacity Min ~ Max: 7,505 ~ 15,355 BTU/h (2.2 ~ 4.5 kW)

Heating Capacity Min ~ Max: 8,190 ~ 17,060 BTU/h (2.4 ~ 5.0 kW)

Product Features

- ✓ Full DC Inverter Technologies.
- ✓ Built in Drain Pump.
- ✓ Auto Restart.
- ✓ Excellent Comfort for Commercial & Industrial Solutions.
- ✓ Self Diagnosis Function.
- ✓ Factory Tested.
- ✓ Automatic Defrosting.
- ✓ Low Voltage Start Up.



Indoor Unit Features

- ✓ Wireless LCD Remote Control (Standard).
- ✓ Wired LCD Remote Control (Optional).
- ✓ Deluxe Wired Controller with Weekly Timer (Optional).
- ✓ Centralized controller (Optional).
- ✓ Remote monitoring software (Optional).
- ✓ 4 Direction Airflow.
- ✓ Ultra-Low Noise Operation.
- ✓ DC Inverter Motor.
- ✓ Compact Design.
- ✓ Intelligent Drainage Device.

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OTEC
AIR CONDITIONING

A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

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VECM SERIES Compact Four-Way Cassette VRF Indoor Unit 3D Inverter Heat Pump

Cooling Capacity Min ~ Max: 7,510 ~ 15,365 BTU/h (2.2 ~ 4.5 kW)

Heating Capacity Min ~ Max: 8,195 ~ 17,075 BTU/h (2.4 ~ 5.0 kW)

Compact Four-Way Cassette VRF Indoor Unit						
MODEL NO.	VECM	008Q	010Q	012Q	015Q	
		0A-DWV022	0A-DWV028	0A-DWV036	0A-DWV045	
Cooling Capacity	BTU/h (kW)	7,510 (2.2)	9,560 (2.8)	12,290 (3.6)	15,365 (4.5)	
Heating Capacity	BTU/h (kW)	8,195 (2.4)	10,925 (3.2)	13,660 (4.0)	17,075 (5.0)	
Refrigerant Control	Electronic Expansion Valve @ Indoor Unit					
Coil Type	Grooved Cooper Tubes - Hydrophilic Aluminum Fins					
Electrical	Voltage-Phase-Frequency	220~240 / 1Ph / 50-60Hz				
	FLA	0.34	0.34	0.34	0.38	
	Power Input (W)	35	35	40	50	
Air Filter	Cleanable Cartridge Type					
Fan	Type	Coaxial Turbo Fan				
	Speed	7-Speed				
	Air Flow CFM (m³/hr) (Hi)	245 (414)	245 (414)	305 (521)	305 (521)	
	Noise Level Hi/Lo (db)	35 / 22	35 / 22	41 / 28	41 / 28	
Refrigerant Type	R410A					
Refrigerant Connections inches (mm)	Type	Flare				
	Liquid	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	
	Suction	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	
Drain Connections inches (mm)	1 (25.4)					
Body Dimensions inches (mm)	Height	10 1/4 (260)	10 1/4 (260)	10 1/4 (260)	10 1/4 (260)	
	Width	24 7/8 (630)	24 7/8 (630)	24 7/8 (630)	24 7/8 (630)	
	Depth	22 1/2 (570)	22 1/2 (570)	22 1/2 (570)	22 1/2 (570)	
Body Net Weight Lbs (kgs)	39.7 (18.0) 39.7 (18.0) 42.3 (19.2) 42.3 (19.2)					
Panel Dimensions inches (mm)	Height	2 (50)	2 (50)	2 (50)	2 (50)	
	Width	25 1/2 (647)	25 1/2 (647)	25 1/2 (647)	25 1/2 (647)	
	Depth	25 1/2 (647)	25 1/2 (647)	25 1/2 (647)	25 1/2 (647)	
Panel Net Weight Lbs (kgs)	5.5 (2.5) 5.5 (2.5) 5.5 (2.5) 5.5 (2.5)					



Wireless Controller
VAEWD-D001 (Optional)



Wireless Controller
VAEWR-D001 (Standard)



Wired Controller
VAECR-D001 (Standard)



Deluxe Wired Controller
VAECD-D001 (Optional)



Centralized Controller
VAECB-D064T (Optional)

- 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.
 - Refrigerant metering device is installed at the indoor unit as standard.

- Flare fittings 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 OMGNM-0620.

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Note: Design, specification and performance data is subject to change without notice