

# 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: 5,100 ~ 21,500 BTU/h (1.5 ~ 6.3 kW)  
Heating Capacity Min ~ Max: 6,100 ~ 24,200 BTU/h (1.8 ~ 7.1 kW)

### Product Features

- ✓ Third Generation Indoor Unit System
- ✓ Full DC Inverter Technologies
- ✓ Built in High-lift Drain Pump
- ✓ Excellent Comfort for Commercial & Industrial Solutions.
- ✓ Self Diagnosis Function.
- ✓ Factory Tested.
- ✓ Heat Exchanger Self-Cleaning
- ✓ 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).
- ✓ Human Detect Sensor (Optional).
- ✓ 4 Direction Airflow.
- ✓ Individual Louver Control.
- ✓ Multiple Modes.
- ✓ Long Distance Air Delivery.
- ✓ Ultra-Low Noise Operation.
- ✓ DC Inverter Motor.
- ✓ Compact and Stylish Design.
- ✓ Intelligent Drainage Device.
- ✓ Multi-Functional Expansion Board.

OMEGA



ISO 14001 ISO 9001

OTEC  
AIR CONDITIONING

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

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### Compact Four-Way Cassette VRF Indoor Unit

MODEL NO.	VECM	006T	008T	010T	012T	015T	019T	022T
		0A-DWV015	0A-DWV022	0A-DWV028	0A-DWV036	0A-DWV045	0A-DWV056	0A-DWV063
Cooling Capacity	BTU/h (kW)	5,100 (1.5)	7,500 (2.2)	9,600 (2.8)	12,300 (3.6)	15,400 (4.5)	19,100 (5.6)	21,500 (6.3)
Heating Capacity	BTU/h (kW)	6,100 (1.8)	8,200 (2.4)	10,900 (3.2)	13,700 (4.0)	17,100 (5.0)	21,500 (6.3)	24,200 (7.1)
Refrigerant Control	Electronic Expansion Valve @ Indoor Unit							
Coil Type	Grooved Cooper Tubes - Hydrophilic Aluminum Fins							
Electrical	Voltage-Phase	220~240 / 1Ph						
	Frequency	N/A - 3D						
	FLA	0.37	0.37	0.43	0.43	0.49	0.52	0.65
	Power Input (W)	14	14	16	18	25	35	50
Air Filter	Cleanable Cartridge Type							
Fan	Type	Coaxial Turbo Fan						
	Speed	7-Speed						
	Air Flow CFM (m³/hr) (Hi)	265 (450)	265 (450)	300 (510)	315 (530)	375 (640)	475 (810)	535 (905)
	Noise Level Hi (db)	29	29	30	31	36.5	39	43
Refrigerant Type	R410A/R32							
Refrigerant Connections inches (mm)	Type	Flare						
	Suction	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)
Drain Connections 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	9 1/4 (235)	9 1/4 (235)	9 1/4 (235)	9 1/4 (235)	9 1/4 (235)	9 1/4 (235)	9 1/4 (235)
	Width	22 5/8 (575)	22 5/8 (575)	22 5/8 (575)	22 5/8 (575)	22 5/8 (575)	22 5/8 (575)	22 5/8 (575)
	Depth	25 1/8 (638)	25 1/8 (638)	25 1/8 (638)	25 1/8 (638)	25 1/8 (638)	25 1/8 (638)	25 1/8 (638)
Body Net Weight Lbs (kgs)		28.6 (13.0)	28.6 (13.0)	28.6 (13.0)	30.8 (14.0)	30.8 (14.0)	33.0 (15.0)	33.0 (15.0)
Panel Dimensions inches (mm)	Height	2 5/8 (65)	2 5/8 (65)	2 5/8 (65)	2 5/8 (65)	2 5/8 (65)	2 5/8 (65)	2 5/8 (65)
	Width	24 1/2 (620)	24 1/2 (620)	24 1/2 (620)	24 1/2 (620)	24 1/2 (620)	24 1/2 (620)	24 1/2 (620)
	Depth	24 1/2 (620)	24 1/2 (620)	24 1/2 (620)	24 1/2 (620)	24 1/2 (620)	24 1/2 (620)	24 1/2 (620)
Panel Net Weight Lbs (kgs)		5.3 (2.4)	5.3 (2.4)	5.3 (2.4)	5.3 (2.4)	5.3 (2.4)	5.3 (2.4)	5.3 (2.4)



Wireless Controller  
VAEWD-D003 (Standard)



Wired Controller  
VAECR-D086SW (Optional)



Wired Controller  
VAECD-D086HB (Optional)



Wired Controller  
VAECD-D120VB (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.

**OMEGA**  
ENVIRONMENTAL  
TECHNOLOGIES LLC.  
17702 Mitchell North, #101  
Irvine, CA 92614, USA  
Tel: 714 795 2830  
Fax: 714 966 1649  
info@omegavrf.com  
www.omegavrf.com



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**OTEC**  
AIR CONDITIONING  
Showroom & Technology Center  
11380 Interchange Circle North  
Miramar, FL 33025 USA  
Tel: 305 731 2140, 888 840 7550  
Fax: 954 212 8280  
info@otecomega.com  
www.otecomega.com