

# OMEGA VRF TECHNOLOGY

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

## VECT SERIES

### TWO-WAY CASSETTE VRF Indoor Unit 3D Inverter Heat Pump

Cooling Capacity Min~Max: 7,500 ~ 24,200 BTU/h (2.2 ~ 7.1 kW)

Heating Capacity Min~Max: 8,900 ~ 27,300 BTU/h (2.6 ~ 8.0 kW)

### Product Features

- ✓ Third Generation Indoor Unit System
- ✓ Full DC Inverter Technologies
- ✓ Built in Drain Pump.
- ✓ Excellent Comfort for Rooms & Compact 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).
- ✓ One Direction Airflow.
- ✓ Fresh Air Intake Available on 015, 019, and 024 Models.
- ✓ Ultra-Low Noise Operation.
- ✓ Small Installation Design.
- ✓ Water Overflow Protection.
- ✓ Anti-Freezing Protection.
- ✓ Automatic Anti-Condensation.
- ✓ Auto Cooling - Heating Changeover.
- ✓ Digital Feedback DC Water Pump.

OMEGA



ISO 14001 ISO 9001

OTEC  
AIR CONDITIONING

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

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### TWO-WAY CASSETTE VRF Indoor Unit

MODEL NO.	VECT	008T 0A-DWV022	010T 0A-DWV028	012T 0A-DWV036	015T 0A-DWV045	019T 0A-DWV056	024T 0A-DWV071
Cooling Capacity	BTU/h (kW)	7,500 (2.2)	9,600 (2.8)	12,300 (3.6)	15,400 (4.5)	19,100 (5.6)	24,200 (7.1)
Heating Capacity	BTU/h (kW)	8,900 (2.6)	10,900 (3.2)	13,600 (4.0)	17,100 (5.0)	21,500 (6.3)	27,300 (8.0)
Refrigerant Control	Electronic Expansion Valve @ Indoor Unit						
Coil Type	Grooved Copper Tubes - Hydrophilic Aluminum Fin						
Electrical	Voltage-Phase	220~240 / 1Ph					
	Frequency	N/A - 3D					
	FLA	0.38	0.38	0.42	0.47	0.72	1.04
	Power Input (W)	35	40	40	50	69	98
Air Filter	Cleanable Cartridge Type						
Fan	Type	Cross-flow Fan					
	Speed	7-Speed					
	Air Flow CFM (m³/hr) (Hi)	385 (654)	385 (654)	425 (725)	500 (850)	575 (980)	705 (1200)
	Noise Level Hi (db)	33	33	35	37	39	44
Refrigerant Type	R410A/R32						
Refrigerant Connections inches (mm)	Type	Flare					
	Liquid	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.53)
	Suction	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (15.9)
Drain Connections inches (mm)	1 1/4 (32)						
Body Dimensions inches (mm)	Height	11 3/4 (299)	11 3/4 (299)	11 3/4 (299)	11 3/4 (299)	11 3/4 (299)	11 3/4 (299)
	Width	46 1/8 (1172)	46 1/8 (1172)	46 1/8 (1172)	46 1/8 (1172)	46 1/8 (1172)	46 1/8 (1172)
	Depth	23 1/4 (591)	23 1/4 (591)	23 1/4 (591)	23 1/4 (591)	23 1/4 (591)	23 1/4 (591)
Body Net Weight Lbs (kgs)	65.48 (29.7) 65.48 (29.7) 65.48 (29.7) 69.67 (31.6) 69.67 (31.6) 69.67 (31.6)						
Panel Dimensions inches (mm)	Height	2 1/8 (53)	2 1/8 (53)	2 1/8 (53)	2 1/8 (53)	2 1/8 (53)	2 1/8 (53)
	Width	56 3/8 (1430)	56 3/8 (1430)	56 3/8 (1430)	56 3/8 (1430)	56 3/8 (1430)	56 3/8 (1430)
	Depth	26 3/4 (680)	26 3/4 (680)	26 3/4 (680)	26 3/4 (680)	26 3/4 (680)	26 3/4 (680)
Panel Net Weight Lbs (kgs)	24.25 (11) 24.25 (11) 24.25 (11) 24.25 (11) 24.25 (11) 24.25 (11)						



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.

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