

OMEGA VRF TECHNOLOGY

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

VECM SERIES MINI CASSETTE VRF Indoor Unit 3D Inverter Heat Pump

Cooling Capacity Min ~ Max: 7,510 ~ 19,125 Btuh (2.2 ~ 5.6 kW)
Heating Capacity Min ~ Max: 8,550 ~ 21,515 Btuh (2.5 ~ 6.3 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).
- ✓ Smart Zone Controller (Optional).
- ✓ Remote monitoring software (Optional).
- ✓ 4 Direction Airflow.
- ✓ Ultra-Low Noise Operation.
- ✓ DC Inverter Motor.
- ✓ Compact Design.
- ✓ Intelligent Drainage Device.

OMEGA



OTEC
AIR CONDITIONING

A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

OMEGA VRF TECHNOLOGY

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

VECM SERIES MINI CASSETTE VRF Indoor Unit 3D Inverter Heat Pump

Cooling Capacity Min ~ Max: 7,510 ~ 19,125 Btuh (2.2 ~ 5.6 kW)

Heating Capacity Min ~ Max: 8,550 ~ 21,515 Btuh (2.5 ~ 6.3 kW)

MINI CASSETTE VRF Indoor Unit							
MODEL NO.	VECM	008Q	010Q	012Q	015Q	017Q	019Q
		0A-RWV022	0A-RWV028	0A-RWV036	0A-RWV045	0A-RWV050	0A-RWV056
Cooling Capacity	Btuh (kw)	7,510 (2.2)	9,600 (2.8)	12,300 (3.6)	15,370 (4.4)	17,075 (5.0)	19,125 (5.6)
Heating Capacity	Btuh (kw)	8,550 (2.5)	10,950 (3.2)	13,660 (4.0)	17,100 (5.0)	19,125 (5.6)	21,515 (6.3)
Refrigerant Control		Electronic Expansion Valve @ Indoor Unit					
Coil Type		Grooved Cooper Tubes - Aluminum Blue Slit Fin					
Electrical	Voltage-Phase	220/240-1					
	Frequency	N/A -3D					
	FLA	0.15	0.15	0.15	0.20	0.20	0.20
	Input (W)	35	35	35	45	45	45
Air Filter		Cleanable Cartridge Type					
Fan	Type	Coaxial Turbo Fan					
	Speed	3-Speed					
	Air Flow CFM (m³/hr) (Hi)	295 (500)	295 (500)	410 (700)	410 (700)	410 (700)	410 (700)
	Noise Level Hi (db)	46	46	46	47	47	47
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 (9.52)
	Suction	3/8 (9.52)	3/8 (9.52)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (15.9)
Drain Connections inches (mm)		1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)
Body Dimensions inches (mm)	Height	9 1/2 (240)	9 1/2 (240)	9 1/2 (240)	9 1/2 (240)	9 1/2 (240)	9 1/2 (240)
	Width	23 1/2 (596)	23 1/2 (596)	23 1/2 (596)	23 1/2 (596)	23 1/2 (596)	23 1/2 (596)
	Depth	23 1/2 (596)	23 1/2 (596)	23 1/2 (596)	23 1/2 (596)	23 1/2 (596)	23 1/2 (596)
Body Net Weight Lbs (kgs)		46.3 (21)	46.3 (21)	46.3 (21)	46.3 (21)	46.3 (21)	46.3 (21)
Panel Dimensions inches (mm)	Height	2 (50)	2 (50)	2 (50)	2 (50)	2 (50)	2 (50)
	Width	25 1/2 (650)	25 1/2 (650)	25 1/2 (650)	25 1/2 (650)	25 1/2 (650)	25 1/2 (650)
	Depth	25 1/2 (650)	25 1/2 (650)	25 1/2 (650)	25 1/2 (650)	25 1/2 (650)	25 1/2 (650)
Panel Net Weight Lbs (kgs)		15.4 (7)	15.4 (7)	15.4 (7)	15.4 (7)	15.4 (7)	15.4 (7)



Wireless Controller
VAEWP-R001 (Standard)



Wired Controller
VAECR-R001 (Optional)



Deluxe Wired Controller
VAEDC-R001 (Optional)



Smart Zone Controller
VAESC-R032T (Optional)



Centralized Controller
VAMCC-R255T (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 OGMNM-0315.