

OMEGA VRF TECHNOLOGY

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



VECM SERIES

4 WAY MINI CASSETTE VRF Indoor Unit 3D Inverter Heat Pump

Cooling Capacity Min~Max: 7,510 ~ 15,335 Btuh (2.2 ~ 4.5 kW)
Heating Capacity Min~Max: 8,530 ~ 17,060 Btuh (2.5~ 5.0 kW)

Product Features

- ✓ Full DC Inverter Technologies.
- ✓ Centralized controller (Optional).
- ✓ Wi Fi Smart Box (Optional).
- ✓ Remote monitoring software (Optional).
- ✓ Temperature Malfunction Protection.
- ✓ Auto Restart.
- ✓ 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).
- ✓ Built in Drain Pump.
- ✓ Fresh Air Intake.
- ✓ Side Outlet Duct Connection (4 sides)
- ✓ 4 Direction Airflow.
- ✓ Ultra-Low Noise Operation.
- ✓ Intelligent Drainage Device.
- ✓ Anti-Freezing Protection.
- ✓ Fan Motor Overload Protection.
- ✓ DC Inverter Motor.
- ✓ Water Overflow Protection.



A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

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4 WAY MINI CASSETTE VRF Indoor Unit 3D Inverter Heat Pump

Cooling Capacity Min~Max: 7,510~ 15,285 Btuh (2.2 ~ 4.5 kW)
Heating Capacity Min~Max: 8,530 ~ 17,060 Btuh (2.5 ~ 5.0 kW)

MINI CASSETTE VRF Indoor Unit

MODEL NO.	VECM	008Q 0A-GWV022	010Q 0A-GWV028	012Q 0A-GWV036	015Q 0A-GWV045
Cooling Capacity	Btuh (kw)	7,510 (2.2)	9,555 (2.8)	12,285 (3.6)	15,355 (4.5)
Heating Capacity	Btuh (kw)	8,530 (2.5)	10,920 (3.2)	13,650 (4.0)	17,060 (5.0)
Refrigerant Control	Electronic Expansion Valve @ Indoor Unit				
Coil Type	Grooved Copper Tubes - Aluminum Blue Slit Fin				
Electrical	Voltage-Phase	208~230/1			
	Frequency	NA-3D			
	FLA	0.07	0.07	0.11	0.11
	Power Input (W)	15	15	23	23
Air Filter	Cleanable Cartridge Type				
Fan	Type	Coaxial Turbo Fan			
	Speed	3-Speed			
	Air Flow CFM (m³/hr) (Hi)	259 (440)	259 (440)	311 (530)	311 (530)
	Noise Level Hi (db)	32	32	36	36
Refrigerant Connections inches (mm)	Type	Flare			
	Liquid	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)
	Suction	3/8 (9.53)	3/8 (9.53)	1/2 (12.7)	1/2 (12.7)
Drain Connections inches (mm)		1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)
Body Dimensions inches (mm)	Height	10 1/2 (267)	10 1/2 (267)	10 1/2 (267)	10 1/2 (267)
	Width	25 3/4 (653)	25 3/4 (653)	25 3/4 (653)	25 3/4 (653)
	Depth	23 (585)	23 (585)	23 (585)	23 (585)
Body Net Weight Lbs (kgs)		38.5 (17.5)	38.5 (17.5)	38.5 (17.5)	38.5 (17.5)
Panel Dimensions inches (mm)	Height	1 1/4 (30)	1 1/4 (30)	1 1/4 (30)	1 1/4 (30)
	Width	25 5/8 (650)	25 5/8 (650)	25 5/8 (650)	25 5/8 (650)
	Depth	25 5/8 (650)	25 5/8 (650)	25 5/8 (650)	25 5/8 (650)
Panel Net Weight Lbs (kgs)		6 (2.7)	6 (2.7)	6 (2.7)	6 (2.7)



Wireless Controller
VAEWP-G001
(Standard)



Wireless Controller
VAESD-G001
(Optional)



Wired Controller
VAECR-G001
(Optional)



Deluxe Wired Controller
VAECD-G001
(Optional)



Touch Tone Central
VAECT-G064T
(Optional)



Wi Fi Smart Box
VAESB-G64WF
(Optional)



Centralized Controller
VAESC-G64T
(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-0117.

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