

OMEGA VRF TECHNOLOGY

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

VEWM SERIES HIGH WALL VRF Indoor Unit Inverter Heat Pump 60Hz

Cooling Capacity Min~Max: 7,500~24,250 Btuh (2.2~7.1 kW)

Heating Capacity Min~Max: 8,540~25,615 Btuh (2.5~7.5 kW)

Product Features

- ✓ Whisper Quiet Design.
- ✓ Auto Restart.
- ✓ Washable Filter.
- ✓ Self-Diagnostics Function.
- ✓ Factory Tested.
- ✓ Auto Swing (Vertical).
- ✓ Easy Installation & Maintenance

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).
- ✓ Anti-Freezing Protection.
- ✓ Fan Motor Overload Protection.
- ✓ Temperature Sensor Malfunction.
- ✓ Cold Air Prevention Design (Heating Mode).



OMEGA



OTEC
AIR CONDITIONING

A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

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HIGH WALL VRF Indoor Unit

MODEL NO.	VEWM	008Q	010Q	012Q	015Q	017Q	019Q	022Q	024Q
		2A-RWV022	2A-RWV028	2A-RWV036	2A-RWV045	2A-RWV050	2A-RWV056	2A-RWV063	2A-RWV071
Cooling Capacity	Btuh (kw)	7,500 (2.2)	9,565 (2.8)	12,300 (3.6)	15,370 (4.5)	17,055 (5.0)	19,125 (5.6)	21,515 (6.3)	24,250 (7.1)
Heating Capacity	Btuh (kw)	8,540 (2.5)	10,950 (3.2)	13,660 (4.0)	17,055 (5.0)	19,810 (5.8)	21,515 (6.3)	23,910 (7.0)	25,615 (7.5)
Refrigerant Control		Electronic Expansion Valve @ Indoor Unit							
Coil Type		Grooved Cooper Tubes - Aluminum Blue Slit Fin							
Electrical	Voltage-Phase	208/230-1							
	Frequency	60HZ							
	FLA	0.22	0.22	0.27	0.27	0.27	0.32	0.32	0.32
	Input (W)	50	50	60	60	60	70	70	70
Air Filter		Cleanable Cartridge Type							
Fan	Type	Cross-Flow Fan							
	Speed	3-Speed							
	Qty	1	1	1	1	1	1	1	1
	Air Flow CFM (m³/hr) (Hi)	295 (500)	295 (500)	375 (630)	375 (630)	375 (630)	445 (750)	445 (750)	445 (750)
	Noise Level Hi (db)	38	38	44	44	44	44	44	44
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)	3/8 (9.52)	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)	5/8 (15.9)	5/8 (15.9)
Drain Connections inches (mm)		3/4 (19.05)	3/4 (19.05)	3/4 (19.05)	3/4 (19.05)	3/4 (19.05)	3/4 (19.05)	9/8 (28.6)	9/8 (28.6)
Dimensions inches (mm)	Height	10 7/8 (275)	10 7/8 (275)	11 3/4 (298)	11 3/4 (298)	11 3/4 (298)	12 1/2 (319)	12 1/2 (319)	12 1/2 (319)
	Width	33 1/4 (843)	33 1/4 (843)	37 (940)	37 (940)	37 (940)	39 3/4 (1008)	39 3/4 (1008)	39 3/4 (1008)
	Depth	7 (180)	7 (180)	7 7/8 (200)	7 7/8 (200)	7 7/8 (200)	8 3/4 (221)	8 3/4 (221)	8 3/4 (221)
Net Weight Lbs (kgs)		10.1 (10)	10.1 (10)	28.7 (13)	28.7 (13)	28.7 (13)	33.1 (15)	33.1 (15)	33.1 (15)



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.