

VRF ULTIMA

OMEGA

VRF

TECHNOLOGY

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

BEWM SERIES

HIGH WALL VRF Indoor Unit Inverter Heat Pump 50 Hz

Cooling Capacity Min~Max: 7,505~30,710 BTU/h (2.2~9.0 kW)
Heating Capacity Min~Max: 8,190~34,120 BTU/h (2.4~10.0 kW)

Product Features

- ✓ Built-in Electronic Expansion Valve.
- ✓ 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).
- ✓ Remote Monitoring Software (Optional).
- ✓ Anti-Freezing Protection.
- ✓ Fan Motor Overload Protection.
- ✓ Temperature Sensor Malfunction.
- ✓ Cold Air Prevention Design (Heating Mode).



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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.	BEWM	008N	010N	012N	015N	019N	024N	027N	032N
		3A-DWV022	3A-DWV028	3A-DWV036	3A-DWV045	3A-DWV056	3A-DWV071	3A-DWV080	3A-DWV090
Cooling Capacity	BTU/h (kW)	7,505 (2.2)	9,555 (2.8)	12,285 (3.6)	15,355 (4.5)	19,110 (5.6)	24,225 (7.1)	27,295 (8.0)	30,710 (9.0)
Heating Capacity	BTU/h (kW)	8,190 (2.4)	10,920 (3.2)	13,650 (4.0)	17,060 (5.0)	21,495 (6.3)	27,295 (8.0)	30,710 (9.0)	34,120 (10.0)
Refrigerant Control		Electronic Expansion Valve @ Indoor Unit							
Coil Type		Grooved Cooper Tubes - Hydrophilic Aluminum Fin							
Electrical	Voltage-Phase	220~240 / 1Ph							
	Frequency	50 Hz							
	FLA	0.20	0.20	0.23	0.35	0.40	0.45	0.45	0.52
	Input (W)	29	29	31	45	54	//	//	90
Air Filter		Cleanable Cartridge Type							
Fan	Type	Cross-Flow Fan							
	Speed	7 Speed							
	Qty	1	1	1	1	1	1	1	1
	Air Flow CFM (m³/hr) (Hi)	260 (446)	270 (457)	265 (447)	380 (648)	470 (798)	730 (1240)	735 (1248)	840 (1427)
	Noise Level Hi (db)	34	33	36	37	42	48	48	52
Refrigerant Connections inches (mm)	Type	Branch Header							
	Liquid	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)	3/8 (9.52)
	Suction	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)
Drain Connections inches (mm)		5/8 (16)							
Dimensions inches (mm)	Height	11 (280)	11 (280)	11 (280)	12 1/2 (315)	12 1/2 (315)	13 1/2 (343)	13 1/2 (343)	13 1/2 (343)
	Width	32 7/8 (835)	32 7/8 (835)	32 7/8 (835)	39 (990)	39 (990)	47 (1194)	47 (1194)	47 (1194)
	Depth	8 (203)	8 (203)	8 (203)	8 3/4 (223)	8 3/4 (223)	10 3/8 (262)	10 3/8 (262)	10 3/8 (262)
Net Weight Lbs (kgs)		18.7 (8.5)	18.7 (8.5)	21.4 (9.7)	30.4 (13.8)	30.4 (13.8)	38.4 (17.4)	38.8 (17.6)	38.8 (17.0)



Wireless Controller
VAEWD-D001 (Optional)



Wireless Controller
VAEWR-D001 (Standard)



Wired Controller
VAECR-D001 (Standard)



Deluxe Wired Controller
VAECD-D001 (Optional)



Centralized Controller
VAECC-D064T (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-0721.

OMEGA
ENVIRONMENTAL
TECHNOLOGIES LLC.
17702 Mitchell North, #101
Irvine, CA 92614, USA
Tel: 714 796 2830
Fax: 714 966 1649
info@omegainverter.com
www.omegainverter.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