



# BEWM SERIES

## HIGH WALL VRF Indoor Unit Inverter Heat Pump 50 Hz

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

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### Product Features

- Built-in Electronic Expansion Valve.
- Whisper Quiet Design.
- Auto Restart.
- Washable Filter.
- Self-Diagnostics Function.
- Factory Tested.
- Automatic 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).



**ISO 14001 ISO 9001**

#### COMPATIBILITY



#### VRF Cloud Gateway

The new VRF Cloud Gateway by Cool Automation seamlessly integrates VRF systems with smart phones, tablets, or any similar wireless device as well as home automation control systems.

Coolmasternet Cloudbox





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MODEL NO.	BEWM	008Q	010Q	012Q	015Q	019Q	024Q	027Q	032Q
		3A-DWM022	3A-DWM028	3A-DWM036	3A-DWM045	3A-DWM056	3A-DWM071	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)	8,870 (2.6)	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
	Power Input (W)	29	29	31	45	54	77	77	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 (m <sup>3</sup> /hr) (Hi)	260 (446)	270 (457)	265 (447)	380 (648)	470 (798)	730 (1240)	735 (1248)	840 (1427)
	Noise Level Lo-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 (9.53)	3/8 (9.53)	3/8 (9.53)
	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)								

### Controllers



Wireless Controller  
VAEWD-D001  
(Optional)



Wireless Controller  
VAWR-D001  
(Optional)



Wired Controller  
VAECR-D001 (Standard)



Deluxe Wired Controller  
VAECD-D001 (Optional)



Centralized Controller  
VAEC-D064T (Optional)

#### Notes

1. 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.
2. EER figures are estimate subject to indoor units installed.
3. Refrigerant metering device is installed at the indoor unit as standard.
4. Flare fittings are provided as standard.
5. Insulation of both liquid and suction line is required (Heat Pump Model).
6. ODU's installed above IDU's 98 ft (30m) & ODU's installed below IDU's 66 ft (20m).
7. Refer to individual indoor unit spec sheets for details.
8. For details of model number nomenclature, please refer to publication OMGNM-0921.



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## Inverter Heat Pump 60Hz

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Coil Type		Grooved Cooper Tubes - Hydrophilic Aluminum Fin							
Electrical	Voltage-Phase	208-230 / 1Ph							
	Frequency	60 Hz							
	FLA	0.20	0.20	0.20	0.30	0.30	0.40	0.40	0.40
	Power Input (W)	29	29	31	45	54	77	77	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 (m <sup>3</sup> /hr) (Hi)	260 (446)	270 (457)	265 (447)	380 (648)	470 (798)	730 (1240)	735 (1248)	840 (1427)
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	Liquid	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.53)	3/8 (9.53)	3/8 (9.53)
	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)
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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)
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