

VRF ULTIMA

OMEGA VRF TECHNOLOGY

INVERTER
TECHNOLOGY
EXPERT

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

BEMP(HP) Ultima SERIES 220-240V/1/50-60 Hz (Full DC) Medium Static Pressure Ducted VRF Indoor Unit Inverter Heat Pump

Cooling Capacity Min ~ Max: 27,300 ~ 54,600 BTU/h (8.0 ~ 16.0 kW)

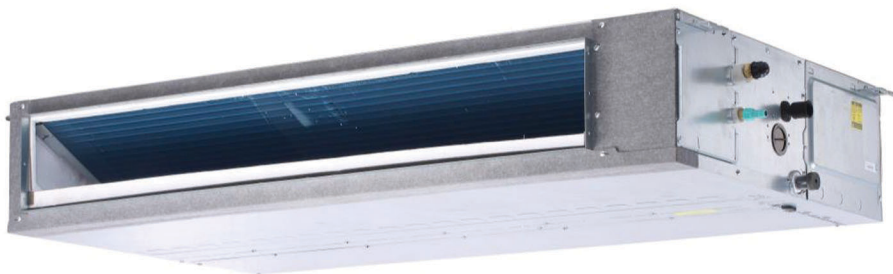
Heating Capacity Min ~ Max: 30,700 ~ 61,400 BTU/h (9.0 ~ 18.0 kW)

Product Features

- ✓ Built-in Electronic Expansion Valve.
- ✓ Built-in Drain Pump.
- ✓ Auto Restart.
- ✓ Excellent Comfort for Commercial & Industrial Solutions.
- ✓ Self Diagnosis Function.
- ✓ Factory Tested.
- ✓ Medium Static Pressure Design.
- ✓ Easy Maintenance.
- ✓ Small Installation Space.

Outdoor Unit Features

- ✓ Wired LCD Remote Control (Standard) .
- ✓ Wireless 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.
- ✓ Water Overflow Protection.
- ✓ Intelligent Drainage Device.



OMEGA



DC INVERTER

ISO 14001 ISO 9001

OTEC
AIR CONDITIONING

A Product of
OMEGA
Environmental
Technologies LLC.

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Medium Static Pressure Ducted VRF Indoor Unit

MODEL NO.	BE	MP028N0A-DCV080	MP031N0A-DCV090	MP038N0A-DCV112	MP042N0A-DCV125	MP048N0A-DCV140	HP060N0A-DCV160
Cooling Capacity	BTU/h (kW)	27,300 (8.0)	30,700 (9.0)	38,200 (11.2)	42,700 (12.5)	47,800 (14.0)	54,600 (16.0)
Heating Capacity	BTU/h (kW)	30,700 (9.0)	34,100 (10.0)	42,700 (12.5)	47,800 (14.0)	54,600 (16.0)	61,400 (18.0)
Refrigerant Control		Electronic Expansion Valve @ Indoor Unit					
Coil Type		Grooved Cooper Tubes - Hydrophilic Aluminum Fins					
Electrical	Voltage-Phase	220~240 / 1Ph					
	Frequency	50/60Hz					
	FLA	0.5	0.8	0.8	1.0	1.3	3.8
	Power Input (W)	106	108	115	170	172	210
Air Filter		Cleanable Cartridge Type					
Fan	Type	Coaxial Turbo Fan					
	Speed	7-Speed					
	Air Flow CFM (m³/hr) (Hi)	857 (1457)	932 (1585)	974 (1656)	1281 (2177)	1234 (2098)	1382 (2350)
	Noise Level Hi (db)	38	40	41	44	42	42
Refrigerant Type		R410A					
Refrigerant Connections inches (mm)	Type	Flare					
	Liquid	3/8 (9.52)					
	Suction	5/8 (15.9)					
Drain Connections inches (mm)		1 (25.4)					
Body Dimensions inches (mm)	Width	41 3/8 (1050)			55 1/8 (1400)		
	Height	9 5/8 (245)			9 5/8 (245)		
	Depth	29 1/2 (750)			29 1/2 (750)		
Body Net Weight Lbs (kgs)		66 (30)		68.2 (31)		81.4 (37)	



Wired Controller
VAECD-D086SW (Standard)



Deluxe Wired Controller
VAECD-D086HB (Optional)



Wired Controller
VAECD-D120VB (Optional)



Wireless Controller
VAEWD-D003 (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.

(**) Anti-Corrosion Protection is optional, please refer to representative for more information.

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ISO 14001 ISO 9001

Notes:
Design, specifications and model numbers listed is subject to change without notice.
Certifications and emblems shown are applicable to selected models only. Please contact Omega for details.

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