

# VRF ULTIMA

# OMEGA VRF TECHNOLOGY

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

## BELP, MP, HP SERIES DUCTED VRF Indoor Unit Inverter Heat Pump 50 Hz

Cooling Capacity Min~Max: 7,505 ~ 54,590 BTU/h (2.2 ~ 16.0 kW)

Heating Capacity Min~Max: 8,870 ~ 58,005 BTU/h (2.6 ~ 17.0 kW)

### Product Features

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

### Indoor 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.



BE (LP - HP)



BEHP

OMEGA



OTEC  
AIR CONDITIONING

A Product of  
**OMEGA**  
Environmental  
Technologies LLC.

ISO 14001 ISO 9001

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### DUCTED VRF Indoor Unit

MODEL NO.	BE	LP008N 3A-DCM022	LP010N 3A-DCM028	LP012N 3A-DCM036	LP015N 3A-DCM045	LP019N 3A-DCM056	MP024N 3A-DCM071	MP027N 3A-DCM080	MP031N 3A-DCM090	MP038N 3A-DCM112	MP048N 3A-DCM140	HP060N 3A-DCM160
Cooling Capacity	BTU/h (kW)	7,505 (2.2)	9,555 (2.8)	12,280 (3.6)	15,355 (4.5)	19,110 (5.6)	24,225 (7.1)	27,295 (8.0)	30,710 (9.0)	38,215 (11.2)	47,770 (14.0)	54,590 (16.0)
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)	42,650 (12.5)	52,890 (15.5)	58,005 (17.0)
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	0.2	0.2	0.2	0.3	0.3	0.5	0.8	0.8	1.0	1.3	3.8
	Power Input (W)	60	60	60	60	60	120	300	300	300	480	1120
Air Filter		Cleanable Cartridge Type										
Fan	Type	Centrifugal Fan										
	Speed	4-Speed										
	Qty	1	1	1	1	1	1	1	1	1	1	1
	Air Flow CFM (m³/hr) (Nom)	325 (550)	325 (550)	355 (605)	470 (800)	470 (800)	580 (985)	790 (1345)	790 (1345)	1060 (1800)	1120 (1905)	1690 (2875)
	ESP Range in-wt / (Pa)	0-0.12 / (0-30)						0.04-0.20 / (10-50)		0.12-0.32 / (10-80)	0.12-0.40 / (10-100)	0.2-0.78 / (50-196)
Noise Level Lo-Hi (db)	21 / 31	21 / 31	24 / 35	26 / 36	27 / 36	27 / 36	37 / 45	37 / 45	38 / 48	39 / 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)	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)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)
Drain Connections inches (mm)		1 (25)										
Dimensions inches (mm)	Height	8 1/4 (210)	8 1/4 (210)	8 1/4 (210)	8 1/4 (210)	8 1/4 (210)	8 1/4 (210)	10 5/8 (270)	10 5/8 (270)	10 5/8 (270)	11 7/8 (300)	16 5/8 (423)
	Width	30 3/4 (780)	30 3/4 (780)	30 3/4 (780)	39 3/8 (1000)	39 3/8 (1000)	48 (1220)	48 1/2 (1230)	48 1/2 (1230)	48 1/2 (1230)	50 3/4 (1290)	52 (1322)
	Depth	19 3/4 (500)	19 3/4 (500)	19 3/4 (500)	19 3/4 (500)	19 3/4 (500)	19 3/4 (500)	30 1/2 (775)	30 1/2 (775)	30 1/2 (775)	34 (865)	27 1/4 (691)
Net Weight Lbs (kgs)		40.8 (18.5)	40.8 (18.5)	40.8 (18.5)	49.6 (22.5)	49.6 (22.5)	61.7 (28.0)	78.3 (35.5)	79.4 (36.0)	79.4 (36.0)	102.5 (46.5)	147.7 (67.0)



Wireless Controller  
VAEWD-D001 (Optional)



Wireless Controller  
VAEWR-D001 (Standard)



Wired Controller  
VAECR-D001 (Standard)



Deluxe Wired Controller  
VAECD-D001 (Optional)



Centralized Controller  
VAECB-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 OMSGM-0521.

**OMEGA**  
ENVIRONMENTAL  
TECHNOLOGIES LLC.  
17702 Mitchell North, #101  
Irvine, CA 92614, USA  
Tel: 714 795 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