

# 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 60 Hz

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

Heating Capacity Min~Max: 8,190 ~ 58,005 BTU/h (2.4 ~ 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



ISO 14001 ISO 9001

OTEC  
AIR CONDITIONING

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

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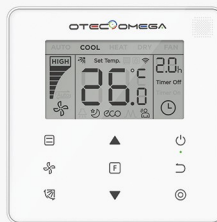
DUCTED VRF Indoor Unit												
MODEL NO.	BE	LP008Q 2A-DCM022	LP010Q 2A-DCM028	LP012Q 2A-DCM036	LP015Q 2A-DCM045	LP019Q 2A-DCM056	MP024Q 2A-DCM071	MP027Q 2A-DCM080	MP031Q 2A-DCM090	MP038Q 2A-DCM112	MP048Q 2A-DCM140	HP060Q 2A-DCM160
Cooling Capacity	BTU/h (kW)	7,505 (2.2)	9,555 (2.8)	12,280 (3.6)	15,355 (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)	8,190 (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)	42,650 (12.5)	52,885 (15.5)	58,005 (17.0)
Refrigerant Control	Electronic Expansion Valve @ Indoor Unit											
Coil Type	Grooved Cooper Tubes - Hydrophilic Aluminum Fin											
Electrical	Voltage-Phase	208-230V - 1Ph										
	Frequency	60 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 (588)	325 (588)	355 (614)	470 (810)	470 (810)	580 (1127)	790 (1388)	790 (1388)	1060 (1851)	1120 (1745)	1690 (2892)
	ESP Range in-wt / (Pa)	0.04-0.12 / (10-30)						0.04-0.20 / (10-50)		0.12-0.32 / (10-80)		0.12-0.40 / (10-100)
Noise Level Lo-Hi (db)	32 / 36	32 / 36	34 / 39	34 / 39	34 / 39	35 / 41	37 / 45	37 / 45	37 / 45	38 / 48	39 / 48	50 / 54
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)	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)											



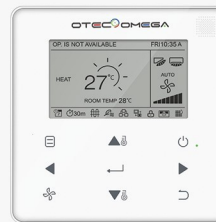
Wireless Controller  
VAEWD-D001 (Optional)



Wireless Controller  
VAEWR-D001 (Standard)



Wired Controller  
VAECR-D001 (Standard)



Deluxe Wired Controller  
VAECD-D001 (Optional)



Centralized Controller  
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 OMSGN-0521.

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ISO 14001 ISO 9001

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