

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

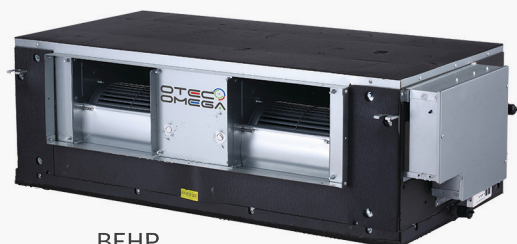
- ✓ Built-in Electronic Expansion Valve.
- ✓ Built-in Drain Pump.
- ✓ Auto Restart.
- ✓ Excellent Comfort for Rooms & Compact Solutions.
- ✓ Self Diagnosis Function.
- ✓ Factory Tested.
- ✓ Medium Static Pressure Design.
- ✓ Easy Maintenance.
- ✓ Small Installation Space.



BE (LP - HP)

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.



BEHP

OMEGA



OTEC
AIR CONDITIONING

A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

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)

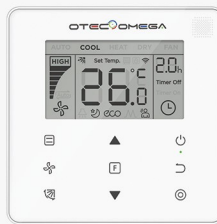
DUCTED VRF Indoor Unit												
MODEL NO.	BE	LP008Q 3A-DCM022	LP010Q 3A-DCM028	LP012Q 3A-DCM036	LP015Q 3A-DCM045	LP019Q 3A-DCM056	MP024Q 3A-DCM071	MP027Q 3A-DCM080	MP031Q 3A-DCM090	MP038Q 3A-DCM112	MP048Q 3A-DCM140	HP060Q 3A-DCM160
Cooling Capacity	BTU/h (kW)	7,505 (2.2)	9,555 (2.8)	12,280 (3.6)	15,355 (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)
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)	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)



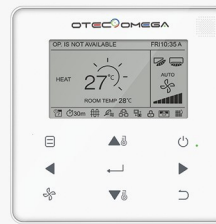
Wireless Controller
VAEWD-D001 (Optional)



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.

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



ISO 14001 ISO 9001

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@otecus.com
www.otecus.com