

OMEGA VRF TECHNOLOGY

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

VE (LP-MP) SERIES STATIC DUCTED VRF Indoor Unit 3D Inverter Heat Pump

Cooling Capacity Min~Max: 5,100 ~ 54,600 BTU/h (1.5 ~ 16.0 kW)

Heating Capacity Min~Max: 6,100 ~ 61,400 BTU/h (1.8 ~ 18.0 kW)

Product Features

- ✓ Third Generation Indoor Unit System
- ✓ Full DC Inverter Technologies
- ✓ Built in Drain Pump.
- ✓ Excellent Comfort for Rooms & Compact Solutions.
- ✓ Self Diagnosis Function.
- ✓ Factory Tested.
- ✓ Medium Static Pressure Design.
- ✓ Easy Maintenance.
- ✓ Heat Exchanger Self-Cleaning.
- ✓ 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.
- ✓ Wider Capacity Range.
- ✓ Ultra-Thin Fuselage.
- ✓ Efficiency Filter Screen.
- ✓ Constant Airflow Technology.
- ✓ Intelligent Drainage Device.

OMEGA



OTEC
AIR CONDITIONING

A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

OMEGA VRF TECHNOLOGY

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

VE (LP-MP) SERIES STATIC DUCTED VRF Indoor Unit 3D Inverter Heat Pump

Cooling Capacity Min~Max: 5,100 ~ 54,600 BTU/h (1.5 ~ 16.0 kW)
Heating Capacity Min~Max: 6,100 ~ 61,400 BTU/h (1.8 ~ 18.0 kW)

STATIC DUCTED VRF Indoor Unit

MODEL NO.	VE	LP006T 0A-DCV015	LP008T 0A-DCV022	LP010T 0A-DCV028	LP012T 0A-DCV036	LP015T 0A-DCV045	LP019T 0A-DCV056	LP024T 0A-DCV071	MP027T 0A-DCV080	MP031T 0A-DCV090	MP038T 0A-DCV112	MP048T 0A-DCV140	MP060T 0A-DCV160
Cooling Capacity	BTU/h (kW)	5,100 (1.5)	7,500 (2.2)	9,600 (2.8)	12,300 (3.6)	15,400 (4.5)	19,100 (5.6)	24,200 (7.1)	27,300 (8.0)	30,700 (9.0)	38,200 (11.2)	47,800 (14.0)	54,600 (16.0)
Heating Capacity	BTU/h (kW)	6,100 (1.8)	8,500 (2.5)	10,900 (3.2)	13,700 (4.0)	17,100 (5.0)	21,500 (6.3)	27,300 (8.0)	30,700 (9.0)	34,100 (10.0)	42,700 (12.5)	54,600 (16.0)	61,400 (18.0)
Refrigerant Control		Electronic Expansion Valve @ Indoor Unit											
Coil Type		Grooved Cooper Tubes - Hydrophilic Aluminum Fin											
Electrical	Voltage-Phase	220-240 - 1Ph											
	Frequency	N/A - 3D											
	FLA	0.50	0.50	0.50	0.64	0.95	0.95	1.2	1.2	1.3	1.8	1.9	2.2
	Power Input (W)	33	36	40	50	70	70	96	102	110	138	172	210
Air Filter		Cleanable Cartridge Type											
Fan	Type	Centrifugal Fan											
	Speed	7-Speed											
	Qty	1	1	1	1	1	1	1	1	1	1	1	1
	Air Flow CFM (m³/hr) (Nom)	275 (470)	295 (530)	315 (540)	340 (575)	390 (665)	570 (970)	675 (1150)	785 (1335)	835 (1420)	1145 (1950)	1240 (2105)	1380 (2350)
	ESP Range in-wt / (Pa)	30 (10-160)											50 (10-160)
	Noise Level Lo-Hi (db)	22 / 26.5	22 / 26.5	22 / 26.5	22 / 29	24 / 33	25 / 33	26 / 35	28 / 37	28 / 37	28 / 39	29 / 40	31 / 42
Refrigerant Type		R410A/R32											
Refrigerant Connections inches (mm)	Type	Flare											
	Liquid	1/4 (6.35)	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)	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	9 5/8 (245)	9 5/8 (245)	9 5/8 (245)	9 5/8 (245)	9 5/8 (245)	9 5/8 (245)	9 5/8 (245)	9 5/8 (245)	9 5/8 (245)	9 5/8 (245)	9 5/8 (245)	9 5/8 (245)
	Width	23 5/8 (600)	23 5/8 (600)	23 5/8 (600)	23 5/8 (600)	23 5/8 (600)	31 1/2 (800)	31 1/2 (800)	41 3/8 (1050)	41 3/8 (1050)	55 1/8 (1400)	55 1/8 (1400)	55 1/8 (1400)
	Depth	29 1/2 (750)	29 1/2 (750)	29 1/2 (750)	29 1/2 (750)	29 1/2 (750)	29 1/2 (750)	29 1/2 (750)	29 1/2 (750)	29 1/2 (750)	29 1/2 (750)	29 1/2 (750)	29 1/2 (750)
Net Weight Lbs (kgs)		40.78 (18.5)	40.78 (18.5)	40.78 (18.5)	40.78 (18.5)	42.99 (19.5)	52.91 (24.0)	52.91 (24.0)	66.14 (30.0)	81.6 (31.0)	81.6 (37.0)	85.89 (39.0)	85.89 (39.0)



Wireless Controller
VAEWD-D003 (Optional)



Wired Controller
VAECR-D086SW (Standard)



Wired Controller
VAECD-D086HB (Optional)



Wired Controller
VAECD-D120VB (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 OMGNM-0720.

OMEGA
ENVIRONMENTAL
TECHNOLOGIES LLC.
17702 Mitchell North, #101
Irvine, CA 92614, USA
Tel: 714 795 2830
Fax: 714 966 1649
info@omegavrf.com
www.omegavrf.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@otecomega.com
www.otecomega.com