

OMEGA VRF TECHNOLOGY

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

VEMP SERIES MEDIUM STATIC DUCTED VRF/Multi Function Indoor Unit 3D Inverter Heat Pump

Cooling Capacity Min~Max: 24,250 ~ 54,600 Btuh (7.1 ~ 16.0 kW)

Heating Capacity Min~Max: 27,350 ~ 61,150 Btuh (8.0 ~ 17.9 kW)

Product Features

- ✓ Full DC Inverter Technologies.
- ✓ 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).
- ✓ Remote monitoring software (Optional).
- ✓ Anti-Freezing Protection.
- ✓ Fan Motor Overload Protection.
- ✓ Temperature Sensor Malfunction.
- ✓ Water Overflow Protection.
- ✓ Intelligent Drainage Device.



OMEGA



ISO 14001 ISO 9001

OTEC
AIR CONDITIONING

A Product of
OMEGA
Environmental
Technologies LLC.

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MEDIUM STATIC DUCTED VRF Indoor Unit

MODEL NO.	VEMP	024Q	027Q	031Q	035Q	040Q	048Q	060Q	
		0A-GCV071	0A-GCV080	0A-GCV090	0A-GCV100	0A-GCV120	0A-GCV140	0A-GCV160	
Cooling Capacity	Btuh (kw)	24,250 (7.1)	27,325 (8.0)	30,750 (9.0)	34,150 (10.0)	40,950 (12.0)	47,770 (14.0)	54,600 (16.0)	
Heating Capacity	Btuh (kw)	27,350 (8.0)	30,750 (9.0)	34,150 (10.0)	37,532 (11.0)	44,350 (13.0)	53,570 (15.7)	61,150 (17.9)	
Refrigerant Control	Electronic Expansion Valve @ Indoor Unit								
Coil Type	Grooved Cooper Tubes - Aluminum Blue Slit Fin								
Electrical	Voltage-Phase	220/240-1							
	Frequency	N/A -3D							
	FLA	0.59	0.59	1.43	1.43	1.43	1.43	1.43	
	Power Input (W)	130	130	315	315	315	315	315	
Air Filter	Cleanable Cartridge Type								
Fan	Type	Centrifugal Fan							
	Speed	3-Speeds							
	Qty	2	2	3	3	3	3	3	
	Air Flow CFM (m³/hr) (Nom)	720 (1220)	720 (1220)	1090 (1850)	1180 (2000)	1180 (2000)	1180 (2000)	1180 (2000)	
	Esp Range in-wt / (Pa)	0~0.28 / (0~70)							
Noise Level Hi/Lo (db)	41/36	41/36	43/38	44/40	44/40	44/40	44/40		
Refrigerant Connections inches (mm)	Type	Flare							
	Liquid	3/8 (9.53)	3/8 (9.53)	3/8 (9.53)	3/8 (9.53)	3/8 (9.53)	3/8 (9.53)	3/8 (9.53)	
	Suction	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 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	
Dimensions inches (mm)	Height	10 1/4 (260)	10 1/4 (260)	10 1/4 (260)	10 1/4 (260)	10 1/4 (260)	10 1/4 (260)	10 1/4 (260)	
	Width	47 9/8 (1209)	47 9/8 (1209)	56 7/8 (1445)	56 7/8 (1445)	56 7/8 (1445)	56 7/8 (1445)	56 7/8 (1445)	
	Depth (+ Duct Flanges)	26 3/4 (680)	26 3/4 (680)	26 3/4 (680)	26 3/4 (680)	26 3/4 (680)	26 3/4 (680)	26 3/4 (680)	
Net Weight Lbs (kgs)		68.3 (31)	72.7 (33)	94.8 (43)	94.8 (43)	94.8 (43)	101.4 (46)	101.4 (46)	



Wired Controller
VAECR-G001
(Standard)



Wireless Controller
VAEWP-G001
(Optional)



Wireless Controller
VAEWD-G001
(Optional)



Deluxe Wired Controller
VAECD-G001
(Optional)



Touch Tone Central
VAECT-G064T
(Optional)



Wi Fi Smart Box
VAESB-G64WF
(Optional)



Centralized Controller
VAESC-G64T
(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 OGMNM-0217.