

OMEGA VRF TECHNOLOGY

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

VEFC Series Floor Ceiling VRF Indoor Unit 3D Inverter Heat Pump

Cooling Capacity Min ~ Max: 12,285 ~ 47,770 BTU/h (3.6 ~ 14.0 kW)

Heating Capacity Min ~ Max: 16,650 ~ 54,590 BTU/h (4.0 ~ 16.0 kW)

Product Features

- ✓ Third Generation Indoor Unit System
- ✓ Full DC Inverter Technologies.
- ✓ Floor & Ceiling Installation.
- ✓ Self Diagnosis Function.
- ✓ Factory Tested.
- ✓ Wide Airflow Range.
- ✓ Easy Installation & Maintenance



Indoor Unit Features

- ✓ Wireless LCD Remote Control (Standard).
- ✓ Wired 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.

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OTEC
AIR CONDITIONING

A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

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FLOOR CEILING VRF Indoor Unit

MODEL NO.	VEFC	012T 0A-DWV036	015T 0A-DWV045	019T 0A-DWV056	024T 0A-DWV071	027T 0A-DWV080	031T 0A-DWV090	035T 0A-DWV100	038T 0A-DWV112	042T 0A-DWV125	048T 0A-DWV140	
Cooling Capacity	BTU/h (kW)	12,285 (3.6)	15,355 (4.5)	19,110 (5.6)	24,225 (7.1)	27,295 (8.0)	30,710 (9.0)	34,100 (10.0)	38,215 (11.2)	42,650 (12.5)	47,770 (14.0)	
Heating Capacity	BTU/h (kW)	13,650 (4.0)	17,060 (5.0)	21,495 (6.3)	27,295 (8.0)	30,710 (9.0)	34,120 (10.0)	38,200 (11.2)	42,650 (12.5)	47,770 (14.0)	54,590 (16.0)	
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	0.16	0.22	0.34	0.36	0.48	0.60	0.50	0.60	0.80	1.00	
	Input (W)	16	24	40	42	56	75	50	65	95	140	
Air Filter	Cleanable Cartridge Type											
Fan	Type	Centrifugal Fan										
	Speed	7-Speed										
	Qty	1	1	1	1	1	1	1	2	2	2	
	Air Flow CFM (m³/hr) (Hi)	332 (564)	419 (712)	546 (927)	664 (1128)	765 (1300)	871 (1480)	881 (1497)	970 (1648)	1185 (2012)	1299 (2206)	
Noise Level Hi (db)	43	47	54	54	55	58	54	56	60	63		
Refrigerant Connections inches (mm)	Type	Flare										
	Liquid	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	3/8 (9.52)	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	26 5/8 (674)	26 5/8 (674)	26 5/8 (674)	26 5/8 (674)	26 5/8 (674)	26 5/8 (674)	26 5/8 (674)	26 5/8 (674)	26 5/8 (674)	26 5/8 (674)	
	Width	42 (1069)	42 (1069)	42 (1069)	50 5/8 (1284)	50 5/8 (1284)	50 5/8 (1284)	50 5/8 (1284)	65 (1649)	65 3/4 (1670)	65 3/4 (1670)	
	Depth	9 (234)	9 (234)	9 (234)	12 3/4 (323)	12 3/4 (323)	12 3/4 (323)	12 3/4 (323)	9 1/4 (234)	9 5/8 (244)	9 5/8 (244)	
Net Weight Lbs (kgs)	24.7(54.34) 24.7(54.34) 24.7(54.34) 29.8(65.7) 29.8(65.7) 29.8(65.7) 29.8(65.7) 36.4(80.25) 36.4(80.25) 36.4(80.25)											



Wireless Controller
VAEWD-D003 (Standard)



Wired Controller
VAECR-D086SW (Optional)



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-0620.

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ISO 14001 ISO 9001

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