

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: 9,565~47,815 Btuh (2.8~14.0 kW)
Heating Capacity Min~Max: 12,300~54,645 Btuh (3.6~16.0 kW)

Product Features

- ✓ Full DC Inverter Technologies.
- ✓ Auto Restart.
- ✓ 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.

OMEGA



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	010Q	012Q	019Q	022Q	024Q	031Q	038Q	043Q	048Q
		0A-RWV028	0A-RWV036	0A-RWV050	0A-RWV063	0A-RWV071	0A-RWV090	0A-RWV112	0A-RWV125	0A-RWV140
Cooling Capacity	Btuh (kw)	9,565 (2.8)	12,300 (3.6)	17,075 (5.0)	21,515 (6.3)	24,250 (7.1)	30,750 (9.0)	38,250 (11.2)	42,700 (12.5)	47,815 (14.0)
Heating Capacity	Btuh (kw)	12,300 (3.6)	13,660 (4.0)	19,125 (5.6)	24,250 (7.1)	27,325 (8.0)	38,250 (11.2)	42,700 (12.5)	47,815 (14.0)	54,645 (16.0)
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	0.27	0.27	0.27	0.68	0.68	0.68	1.14	1.14	1.14
	Input (W)	60	60	60	150	150	150	250	250	250
Air Filter		Cleanable Cartridge Type								
Fan	Type	Centrifugal Fan								
	Speed	3-Speed								
	Qty	4	4	4	3	3	3	4	4	4
	Air Flow CFM (m³/hr) (Hi)	380 (650)	380 (650)	560 (950)	825 (1400)	825 (1400)	940 (1600)	1175 (2000)	1175 (2000)	1175 (2000)
	Noise Level Hi (db)	36	36	42	44	44	50	51	52	52
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)
	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)
Drain Connections inches (mm)		3/4 (19.05)	3/4 (19.05)	3/4 (19.05)	3/4 (19.05)	3/4 (19.05)	3/4 (19.05)	3/4 (19.05)	3/4 (19.05)	3/4 (19.05)
Dimensions inches (mm)	Height	8 7/8 (225)	8 7/8 (225)	8 7/8 (225)	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	48 (1220)	48 (1220)	48 (1220)	55 7/8 (1420)	55 7/8 (1420)	55 7/8 (1420)	66 7/8 (1700)	66 7/8 (1700)	66 7/8 (1700)
	Depth	27 1/2 (700)	27 1/2 (700)	27 1/2 (700)	27 1/2 (700)	27 1/2 (700)	27 1/2 (700)	27 1/2 (700)	27 1/2 (700)	27 1/2 (700)
Net Weight Lbs (kgs)		88.2 (40)	88.2 (40)	88.2 (40)	110.2 (50)	110.2 (50)	110.2 (50)	132.3 (60)	132.3 (60)	132.3 (60)



Wireless Controller
VAEWP-R001 (Standard)



Wired Controller
VAECR-R001 (Optional)



Deluxe Wired Controller
VAEDC-R001 (Optional)



Smart Zone Controller
VAESC-R032T (Optional)



Centralized Controller
VAMCC-R255T (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-0315.

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



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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