

OMEGA VRF TECHNOLOGY

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

VEFC/VFFC SERIES FLOOR CEILING VRF Indoor Unit 3D Inverter Heat Pump

Cooling Capacity Min~Max: 15,350~54,600 Btuh (4.5~16.0 kW)

Heating Capacity Min~Max: 17,070~58,000 Btuh (5.0~17.0 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.		VEFC015Q 0A-GWV045	VEFC019Q 0A-GWV056	VEFC024Q 0A-GWV071	VEFC027Q 0A-GWV080	VEFC031Q 0A-GWV090	VFFC038Q 0A-GWV112	VFFC048Q 0A-GWV140	VFFC060Q 0A-GWV160
Cooling Capacity	Btuh (kw)	15,350 (4.5)	19,100 (5.6)	24,225 (7.1)	27,300 (8.0)	30,700 (9.0)	38,215 (11.2)	47,769 (14.0)	54,600 (16.0)
Heating Capacity	Btuh (kw)	17,070 (5.0)	21,500 (6.3)	27,300 (8.0)	30,025 (8.8)	34,120 (10.0)	42,650 (12.5)	51,180 (15.0)	58,000 (17.0)
Refrigerant Control		Electronic Expansion Valve @ Indoor Unit							
Coil Type		Hydrophilic - Aluminum							
Electrical	Voltage-Phase	220/240-1							
	Frequency	N/A -3D							
	FLA	0.23	0.23	0.36	0.36	0.77	0.86	0.86	0.86
	Input (W)	50	50	80	80	170	190	190	190
Air Filter		Cleanable Cartridge Type							
Fan	Type	Centrifugal Fan							
	Speed	3-Speed							
	Qty	2	2	2	2	2	4	4	4
	Air Flow CFM (m ³ /hr) (Hi)	560 (950)	560 (950)	765 (1300)	765 (1300)	880 (1500)	1355 (2300)	1355 (2300)	1355 (2300)
Noise Level Hi/Lo (db)	42/37	42/37	42/39	48/39	50/44	52/45	52/45	52/45	
Refrigerant Connections inches (mm)	Type	Flare							
	Liquid	1/4 (6.35)	1/4 (6.35)	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	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)	1 (25)	1 (25)	1 (25)	1 (25)	1 (25)	3/4 (19.05)
Dimensions inches (mm)	Height	25 (635)	25 (635)	25 (635)	25 (635)	25 (635)	25 (635)	25 (635)	25 (635)
	Width	50 (1270)	50 (1270)	50 (1270)	50 (1270)	50 (1270)	65 3/8 (1660)	65 3/8 (1660)	65 3/8 (1660)
	Depth	8 7/8 (225)	8 7/8 (225)	8 7/8 (225)	8 7/8 (225)	8 7/8 (225)	8 7/8 (225)	8 7/8 (225)	8 7/8 (225)
Net Weight Lbs (kgs)		79.4 (36)	79.4 (36)	79.4 (36)	79.4 (36)	83.8 (38)	112.4 (51)	112.4 (51)	112.4 (51)



Wireless Controller
VAEWP-G001
(Standard)



Wireless Controller
VAEWD-G001
(Optional)



Wired Controller
VAECR-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.

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