

OMEGA VRF TECHNOLOGY

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

VECR-D SERIES ROUND FLOW CASSETTE VRF Indoor Unit 3D Inverter Heat Pump

Cooling Capacity Min ~ Max: 9,555 ~ 54,590 BTU/h (2.8 ~ 16.0 kW)
Heating Capacity Min ~ Max: 10,920 ~ 61,415 BTU/h (3.2 ~ 18.0 kW)

Product Features

- ✓ Full DC Inverter Technologies.
- ✓ Built in Drain Pump.
- ✓ Auto Restart.
- ✓ Excellent Comfort for Commercial & Industrial Solutions.
- ✓ Self Diagnosis Function.
- ✓ Factory Tested.
- ✓ Automatic Defrosting.
- ✓ Low Voltage Start Up.

Indoor Unit Features

- ✓ Wireless LCD Remote Control (Standard).
- ✓ Wired LCD Remote Control (Optional).
- ✓ Deluxe Wired Controller with Weekly Timer (Optional).
- ✓ Centralized controller (Optional).
- ✓ Remote monitoring software (Optional).
- ✓ 360° Airflow.
- ✓ Ultra-Low Noise Operation.
- ✓ DC Inverter Motor.
- ✓ Compact Design.
- ✓ 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!

VECR-D SERIES ROUND FLOW CASSETTE VRF Indoor Unit 3D Inverter Heat Pump

Cooling Capacity Min ~ Max: 9,555 ~ 54,590 BTU/h (2.8 ~ 16.0 kW)

Heating Capacity Min ~ Max: 10,920 ~ 61,415 BTU/h (3.2 ~ 18.0 kW)

ROUND FLOW CASSETTE VRF Indoor Unit

MODEL NO.	VECR	010Q 0A-DWV028	012Q 0A-DWV036	015Q 0A-DWV045	019Q 0A-DWV056	024Q 0A-DWV071	027Q 0A-DWV080	031Q 0A-DWV090	035Q 0A-DWV100	038Q 0A-DWV112	048Q 0A-DWV140	060Q 0A-DWV160	
Cooling Capacity	BTU/h (kW)	9,555 (2.8)	12,285 (3.6)	15,355 (4.5)	19,110 (5.6)	24,225 (7.1)	27,295 (8.0)	30,710 (9.0)	34,120 (10.0)	38,215 (11.2)	47,770 (14.0)	54,590 (16.0)	
Heating Capacity	BTU/h (kW)	10,920 (3.2)	13,650 (4.0)	17,060 (5.0)	21,495 (6.3)	27,295 (8.0)	30,710 (9.0)	34,120 (10.0)	37,530 (11.0)	42,650 (12.5)	54,590 (16.0)	61,415 (18.0)	
Refrigerant Control		Electronic Expansion Valve @ Indoor Unit											
Coil Type		Grooved Cooper Tubes - Hydrophilic Aluminum Fins											
Electrical	Voltage-Phase	208-230 - 1Ph											
	Frequency	N/A - 3D											
	FLA	0.33	0.33	0.45	0.45	0.45	0.61	0.70	0.80	0.80	0.96	1.01	
	Power Input (W)	40	45	50	60	70	96	100	150	160	170	170	
Air Filter		Cleanable Cartridge Type											
Fan	Type	Coaxial Turbo Fan											
	Speed	7-Speed											
	Air Flow CFM (m³/hr) (Hi)	470 (801)	470 (801)	410 (893)	410 (893)	575 (977)	710 (1203)	795 (1349)	1000 (1700)	1000 (1700)	1060 (1800)	1240 (2100)	
	Noise Level Hi (db)	32	32	35	35	35	36	37	43	43	45	46	
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)	3/8 (9.52)	3/8 (9.52)
	Suction	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)	5/8 (15.9)	
Drain Connections inches (mm)		1 1/4 (32.0)											
Body Dimensions inches (mm)	Height	9 1/8 (230)	9 1/8 (230)	9 1/8 (230)	9 1/8 (230)	9 1/8 (230)	9 1/8 (230)	11 7/8 (300)	11 7/8 (300)	11 7/8 (300)	11 7/8 (300)	11 7/8 (300)	
	Width	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	37 3/8 (950)	
	Depth	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	37 3/8 (950)	
Body Net Weight Lbs (kgs)		47.0 (21.3)	47.0 (21.3)	51.1 (23.2)	51.1 (23.2)	51.1 (23.2)	51.1 (23.2)	62.6 (28.4)	62.6 (28.4)	62.6 (28.4)	67.7 (30.7)	77.8 (35.3)	
Panel Dimensions inches (mm)	Height	2 3/4 (70)	2 3/4 (70)	2 3/4 (70)	2 3/4 (70)	2 3/4 (70)	2 3/4 (70)	2 3/4 (70)	2 3/4 (70)	2 3/4 (70)	2 3/4 (70)	2 1/8 (55)	
	Width	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	41 3/8 (1050)	
	Depth	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	41 3/8 (1050)	
Panel Net Weight Lbs (kgs)		12.8 (5.8)	12.8 (5.8)	12.8 (5.8)	12.8 (5.8)	12.8 (5.8)	12.8 (5.8)	12.8 (5.8)	12.8 (5.8)	12.8 (5.8)	12.8 (5.8)	16.3 (7.4)	



Wireless Controller
VAEWD-D001 (Optional)



Wireless Controller
VAEWR-D001 (Standard)



Wired Controller
VAECR-D001 (Standard)



Deluxe Wired Controller
VAECD-D001 (Optional)



Centralized Controller
VAECC-D064T (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-0920.

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



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 8780
info@otecomega.com
www.otecomega.com