

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: 9,600 ~ 61,400 BTU/h (2.8 ~ 18.0 kW)
Heating Capacity Min ~ Max: 10,900 ~ 68,200 BTU/h (3.2 ~ 20.0 kW)

Product Features

- ✓ Third Generation Indoor Unit System
- ✓ Full DC Inverter Technologies
- ✓ Built in Drain Pump.
- ✓ Excellent Comfort for Commercial & Industrial Solutions.
- ✓ Self Diagnosis Function.
- ✓ Heat Exchanger Self-Cleaning .
- ✓ Factory Tested.
- ✓ 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).
- ✓ 4 Direction Airflow.
- ✓ Wider Capacity Range.
- ✓ Individual Louvre Control
- ✓ Ultra-Low Noise Operation.
- ✓ DC Inverter Motor.
- ✓ Long Distance Air Delivery.
- ✓ Human Detector Sensor (Optional).
- ✓ Intelligent Drainage Device.
- ✓ Multiple Modes.
- ✓ Multi-Functional Expansion Board.

OMEGA



OTEC
AIR CONDITIONING

A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

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ROUND FLOW CASSETTE VRF Indoor Unit

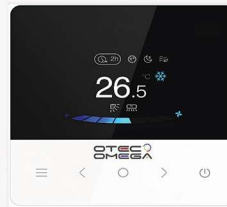
MODEL NO.	VECR	010T	012T	015T	019T	024T	027T	031T	035T	038T	048T	060T	062T
		0A-DWV028	0A-DWV036	0A-DWV045	0A-DWV056	0A-DWV071	0A-DWV080	0A-DWV090	0A-DWV100	0A-DWV112	0A-DWV140	0A-DWV160	0A-DWV180
Cooling Capacity	BTU/h (kW)	9,600 (2.8)	12,300 (3.6)	15,400 (4.5)	19,100 (5.6)	24,200 (7.1)	27,300(8.0)	30,700 (9.0)	34,100 (10.0)	38,200 (11.2)	47,800 (14.0)	54,600 (16.0)	61,400 (18.0)
Heating Capacity	BTU/h (kW)	10,900 (3.2)	13,700 (4.0)	17,100 (5.0)	21,500 (6.3)	27,300 (8.0)	30,700 (9.0)	34,100 (10.0)	38,200 (11.2)	42,700 (12.5)	54,600 (16.0)	61,400 (18.0)	68,200 (20.0)
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	0.22	0.22	0.41	0.26	0.33	0.51	0.46	0.72	0.62	1.14	1.83	2.10
	Power Input (W)	17	17	36	23	32	41	43	74	61	118	110	145
Air Filter	Cleanable Cartridge Type												
Fan	Type	Coaxial Turbo Fan											
	Speed	7-Speed											
	Air Flow CFM (m³/hr) (Hi)	465 (790)	465 (790)	535 (910)	495 (840)	590 (1000)	650 (1100)	780 (1330)	865 (1470)	940 (1600)	1120 (1900)	1240 (2100)	1350 (2300)
	Noise Level Hi (db)	30	30	37	33	37	42.5	38	43	41	47.5	48	52
Refrigerant Type	R410A/R32												
Refrigerant Connections inches (mm)	Type	Flare											
	Liquid	1/4 (6.35)	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)
Suction	1/2 (12.7)	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)	3/4 (19.1)
Drain Connections inches (mm)	7/8 (25.0)												
Body Dimensions inches (mm)	Height	8 1/8 (204)	8 1/8 (204)	8 1/8 (204)	8 1/8 (204)	8 1/8 (204)	8 1/8 (204)	8 1/8 (204)	10 (246)	11 3/8 (288)	11 3/8 (288)	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)	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)	37 3/8 (950)
Body Net Weight Lbs (kgs)		39.6 (18.0)	39.6 (18.0)	39.6 (18.0)	39.6 (18.0)	42.9 (19.5)	42.9 (19.5)	47.3 (21.5)	47.3 (21.5)	52.8 (24)	52.8 (24)	71.7 (32.6)	71.9 (32.7)
Panel Dimensions inches (mm)	Height	2 (50)	2 (50)	2 (50)	2 (50)	2 (50)	2 (50)	2 (50)	2 (50)	2 (50)	2 (50)	2 1/2 (65)	2 1/2 (65)
	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)	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)	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)	16.3 (7.4)



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-0920.

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ISO 14001 ISO 9001

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