

OMEGA VRF TECHNOLOGY

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

VECW SERIES ONE-WAY CASSETTE VRF Indoor Unit 3D Inverter Heat Pump

Cooling Capacity Min~Max: 6,100 ~ 24,200 BTU/h (1.8 ~ 7.1 kW)

Heating Capacity Min~Max: 7,500 ~ 27,300 BTU/h (2.2 ~ 8.0 kW)

Product Features

- ✓ Full DC Inverter Technologies.
- ✓ Built in Drain Pump.
- ✓ Auto Restart.
- ✓ Excellent Comfort for Rooms & Compact 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).
- ✓ One Direction Airflow.
- ✓ Fresh Air Intake Available on 015, 019, and 024 Models.
- ✓ Ultra-Low Noise Operation.
- ✓ Small Installation Design.
- ✓ Water Overflow Protection.
- ✓ Anti-Freezing Protection.
- ✓ Automatic Anti-Condensation.
- ✓ Auto Cooling -Heating Changeover.
- ✓ Multiple Steps Vertical Swing.
- ✓ Temperature Malfunction Protection.

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OTEC
AIR CONDITIONING

A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

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ONE-WAY CASSETTE VRF Indoor Unit

MODEL NO.	VECW	007T	008T	010T	012T	015T	019T	024T
		0A-DWV018	0A-DWV022	0A-DWV028	0A-DWV036	0A-DWV045	0A-DWV056	0A-DWV071
Cooling Capacity	BTU/h (kW)	6,100 (1.8)	7,500 (2.2)	9,600 (2.8)	12,300 (3.6)	15,400 (4.5)	19,100 (5.6)	24,200 (7.1)
Heating Capacity	BTU/h (kW)	7,500 (2.2)	8,900 (2.6)	10,900 (3.2)	13,600 (4.0)	17,100 (5.0)	21,500 (6.3)	27,300 (8.0)
Refrigerant Control		Electronic Expansion Valve @ Indoor Unit						
Coil Type		Grooved Copper Tubes - Hydrophilic Aluminum Fin						
Electrical	Voltage-Phase	220~240 / 1Ph						
	Frequency	N/A - 3D						
	FLA	0.30	0.30	0.31	0.31	0.42	0.46	0.47
	Power Input (W)	25	25	30	30	40	48	60
Air Filter		Cleanable Cartridge Type						
Fan	Type	Cross-flow Fan						
	Speed	7-Speed						
	Air Flow CFM (m³/hr) (Hi)	225 (380)	225 (380)	270 (460)	270 (460)	410 (693)	465 (792)	550 (933)
	Noise Level Hi (db)	30	30	37	38	39	41	43
Refrigerant Type		R410A/R32						
Refrigerant Connections inches (mm)	Type	Flare						
	Suction	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.53)
Drain Connections inches (mm)		1 (25)						
Body Dimensions inches (mm)	Height	6 (153)	6 (153)	6 (153)	6 (153)	7 1/2 (189)	7 1/2 (189)	7 1/2 (189)
	Width	41 1/2 (1054)	41 1/2 (1054)	41 1/2 (1054)	41 1/2 (1054)	50 1/4 (1275)	50 1/4 (1275)	50 1/4 (1275)
	Depth	16 7/8 (428)	16 7/8 (428)	16 7/8 (428)	16 7/8 (428)	17 3/4 (452)	17 3/4 (452)	17 3/4 (452)
Body Net Weight Lbs (kgs)		25 3/8 (11.5)	25 3/8 (11.5)	26.0 (11.8)	26.0 (11.8)	34 7/8 (15.8)	34 7/8 (15.8)	37 1/4 (16.9)
Panel Dimensions inches (mm)	Height	1 (25)	1 (25)	1 (25)	1 (25)	1 (25)	1 (25)	1 (25)
	Width	46 1/2 (1180)	46 1/2 (1180)	46 1/2 (1180)	46 1/2 (1180)	53 1/8 (1350)	53 1/8 (1350)	53 1/8 (1350)
	Depth	18 3/8 (465)	18 3/8 (465)	18 3/8 (465)	18 3/8 (465)	19 7/8 (505)	19 7/8 (505)	19 7/8 (505)
Panel Net Weight Lbs (kgs)		7.7 (3.5)	7.7 (3.5)	7.7 (3.5)	7.7 (3.5)	8.8 (4.0)	8.8 (4.0)	8.8 (4.0)



Wireless Controller
VAEWD-D001 (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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