

OMEGA VRF TECHNOLOGY

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



VECS/VECL SERIES FOUR WAY CASSETTE VRF Indoor Unit 3D Inverter Heat Pump

Cooling Capacity Min~Max: 9,600 ~ 54,650 Btuh (2.8 ~ 16.0 kW)
Heating Capacity Min~Max: 10,950 ~ 59,765 Btuh (3.2 ~ 17.5 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).
- ✓ Smart Zone Controller (Optional).
- ✓ Remote monitoring software (Optional).
- ✓ 4 Direction Airflow with 7 Speeds Fan
- ✓ Ultra-Low Noise Operation.
- ✓ DC Inverter Motor
- ✓ Intelligent Drainage Device.
- ✓ Water Over-Flow Protection.
- ✓ Anti-Freezing Protection.
- ✓ Temperature Sensor Malfunction
- ✓ Fan Motor Overload Protection.



A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

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FOUR WAY CASSETTE VRF Indoor Unit

MODEL NO.	VEC	S010Q 0A-RWV028	S012Q 0A-RWV036	S015Q 0A-RWV045	S017Q 0A-RWV050	S019Q 0A-RWV056	S022Q 0A-RWV063	S024Q 0A-RWV071	S027Q 0A-RWV080	S031Q 0A-RWV090	S035Q 0A-RWV100	S038Q 0A-RWV112	S043Q 0A-RWV125	S048Q 0A-RWV140	L060Q 0A-RWV160	
Cooling Capacity	Btuh (kw)	9,600 (2.8)	12,294 (3.6)	15,368 (4.5)	17,075 (5.0)	19,125 (5.6)	21,515 (6.3)	24,247 (7.1)	27,321 (8.0)	30,735 (9.0)	34,150 (10.0)	38,250 (11.2)	42,690 (12.5)	47,820 (14.0)	54,642 (16.0)	
Heating Capacity	Btuh (kw)	10,950 (3.2)	13,660 (4.0)	17,075 (5.0)	19,125 (5.6)	21,515 (6.3)	24,245 (7.1)	27,320 (8.0)	30,730 (9.0)	34,150 (10.0)	38,250 (11.2)	42,700 (12.5)	47,812 (14.0)	54,640 (16.0)	59,765 (17.5)	
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	0.15	0.15	0.15	0.15	0.20	0.20	0.20	0.20	0.34	0.34	0.34	0.34	0.34	0.34	
	Input (W)	35	35	35	35	45	45	45	45	75	75	75	75	75	75	
Air Filter		Cleanable Cartridge Type														
Fan	Type	Coaxial Turbo Fan														
	Speed	7-Speed														
	Air Flow CFM (m³/hr) (Hi)	440 (750)	440 (750)	440 (750)	490 (830)	600 (1000)	600 (1000)	635 (1080)	635 (1080)	880 (1500)	880 (1500)	1000 (1700)	1095 (1860)	1095 (1860)	1235 (2100)	
	Noise Level Hi (db)	36	36	36	36	37	37	38	38	40	40	41	43	43	47	
Refrigerant Connections	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)	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)	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)	5/8 (15.9)	5/8 (15.9)	3/4 (19.5)
Drain Connections	inches (mm)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	
Body Dimensions inches (mm)	Height	7 1/2 (190)	7 1/2 (190)	7 1/2 (190)	7 1/2 (190)	9 1/2 (240)	9 1/2 (240)	9 1/2 (240)	9 1/2 (240)	12 5/8 (320)	12 5/8 (320)	12 5/8 (320)	12 5/8 (320)	12 5/8 (320)	11 1/2 (293)	
	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)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	35 7/8 (910)	
	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)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	35 7/8 (910)	
Body Net Weight	Lbs (kgs)	50.7 (23)	50.7 (23)	50.7 (23)	50.7 (23)	59.5 (27)	59.5 (27)	59.5 (27)	59.5 (27)	72.8 (33)	72.8 (33)	72.8 (33)	72.8 (33)	72.8 (33)	103.6 (47)	
Panel Dimensions inches (mm)	Height	2 1/2 (65)	2 1/2 (65)	2 1/2 (65)	2 1/2 (65)	2 1/2 (65)	2 1/2 (65)	2 1/2 (65)	2 1/2 (65)	2 1/2 (65)	2 1/2 (65)	2 1/2 (65)	2 1/2 (65)	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)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	50 (1040)	
	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)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	50 (1040)	
Panel Net Weight	Lbs (kgs)	15.4 (7)	15.4 (7)	15.4 (7)	15.4 (7)	15.4 (7)	15.4 (7)	15.4 (7)	15.4 (7)	15.4 (7)	15.4 (7)	15.4 (7)	15.4 (7)	15.4 (7)	17.6 (8)	



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 OGMNM-0315.

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