

OMEGA VRF TECHNOLOGY

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

VESN SERIES SLIM LOW STATIC DUCTED VRF Indoor Unit 3D Inverter Heat Pump

Cooling Capacity Min~Max: 7,500 ~ 24,600 Btuh (2.2 ~ 7.2 kW)

Heating Capacity Min~Max: 8,550 ~ 27,325 Btuh (2.5 ~ 8.0 kW)

Product Features

- ✓ Full DC Inverter Technologies.
- ✓ Auto Restart.
- ✓ Excellent Comfort for Rooms & Compact Solutions.
- ✓ Self Diagnosis Function.
- ✓ Factory Tested.
- ✓ Low Static Pressure Design.
- ✓ Slim & Small Design.
- ✓ Easy Installation & Maintenance

Indoor Unit Features

- ✓ Wired LCD Remote Control (Standard).
- ✓ Wireless 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.
- ✓ Wiring of Electric Control Box.
- ✓ Ultra Low Noise Operation.
- ✓ Can Bus Communication Technology.



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!

VESN SERIES SLIM LOW STATIC DUCTED VRF Indoor Unit 3D Inverter Heat Pump

Cooling Capacity Min~Max : 7,500 ~ 24,600 Btuh (2.2 ~ 7.2 kW)

Heating Capacity Min~Max : 8,550 ~ 27,325 Btuh (2.5 ~ 8.0 kW)

SLIM LOW STATIC DUCTED VRF Indoor Unit

MODEL NO.	VESN	008Q	009Q	010Q	011Q	012Q	014Q	015Q	017Q	019Q	021Q	025Q
		0A-RCV022	0A-RCV025	0A-RCV028	0A-RCV032	0A-RCV036	0A-RCV040	0A-RCV045	0A-RCV050	0A-RCV056	0A-RCV063	0A-RCV072
Cooling Capacity	Btuh (kw)	7,500 (2.2)	8,550 (2.5)	9,565 (2.8)	10,930 (3.2)	12,300 (3.6)	13,660 (4.0)	15,370 (4.5)	17,075 (5.0)	19,125 (5.6)	21,515 (6.3)	24,600 (7.2)
Heating Capacity	Btuh (kw)	8,550 (2.5)	9,565 (2.8)	10,930 (3.2)	12,300 (3.6)	13,660 (4.0)	15,370 (4.5)	17,075 (5.0)	19,125 (5.6)	21,515 (6.3)	23,900 (7.0)	27,325 (8.0)
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	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.50
	Power Input (W)	25	25	25	30	30	35	35	35	45	45	50
Air Filter		Cleanable Cartridge Type										
Fan	Type	Centrifugal Fan										
	Speed - 5	3-Speed Setting (Selectable from 5 available @ wired controller)										
	Qty	2	2	2	2	2	3	3	3	3	3	4
	Air Flow CFM (m³/hr) (Nom)	255 (450)	255 (450)	255 (450)	325 (550)	325 (550)	440 (750)	440 (750)	440 (750)	500 (850)	500 (850)	645 (1100)
	EPS Range in-wt / (Pa)	0~0.06 / (0~15)										
	Noise Level Hi (db)	30	30	30	31	31	33	33	33	35	35	37
Refrigerant Connections inches (mm)	Type	Flare										
	Liquid	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	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 (9.52)	3/8 (9.52)
	Suction	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	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)
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)
Dimensions inches (mm)	Height	7 7/8 (200)	7 7/8 (200)	7 7/8 (200)	7 7/8 (200)	7 7/8 (200)	7 7/8 (200)	7 7/8 (200)	7 7/8 (200)	7 7/8 (200)	7 7/8 (200)	7 7/8 (200)
	Width	28 (710)	28 (710)	28 (710)	28 (710)	28 (710)	39 3/4 (1010)	39 3/4 (1010)	39 3/4 (1010)	39 3/4 (1010)	39 3/4 (1010)	51 1/2 (1310)
	Depth	17 3/4 (450)	17 3/4 (450)	17 3/4 (450)	17 3/4 (450)	17 3/4 (450)	17 3/4 (450)	17 3/4 (450)	17 3/4 (450)	17 3/4 (450)	17 3/4 (450)	17 3/4 (450)
Net Weight Lbs (kgs)		41.9 (19)	41.9 (19)	41.9 (19)	44.1 (20)	44.1 (20)	52.9 (24)	52.9 (24)	52.9 (24)	55.2 (25)	55.2 (25)	68.4 (31)



Wired Controller
VAECR-R001 (Standard)



Wireless Controller
VAEWP-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 OMGNM-0315.

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 8280
info@otecus.com
www.otecus.com