

OMEGA VRF TECHNOLOGY

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

VEHP/VEHA SERIES HIGH STATIC DUCTED VRF Indoor Unit 3D Inverter Heat Pump

Cooling Capacity Min~Max: 19,125 ~ 95,625 Btuh (5.6 ~ 28.0 kW)

Heating Capacity Min~Max: 21,515 ~ 105,900 Btuh (6.3 ~ 31.0 kW)

Product Features

- ✓ Full DC Inverter Technologies.
- ✓ Built in Drain Pump Available for VEHP Series.
- ✓ Auto Restart.
- ✓ Excellent Comfort for Commercial & Industrial Solutions.
- ✓ Self Diagnosis Function.
- ✓ Factory Tested.
- ✓ High Static Pressure Design.
- ✓ Easy 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



OMEGA



OTEC
AIR CONDITIONING

A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

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HIGH STATIC DUCTED VRF Indoor Unit

MODEL NO.	VEH	P019Q	P022Q	P024Q	P027Q	P031Q	P035Q	P038Q	P043Q	P048Q	P060Q	A076Q	A096Q
		0A-RCV056	0A-RCV063	0A-RCV071	0A-RCV080	0A-RCV090	0A-RCV100	0A-RCV112	0A-RCV125	0A-RCV140	0A-RCV175	0A-RCV224	0A-RCV280
Cooling Capacity	Btuh (kw)	19,125 (5.6)	21,520 (6.3)	24,250 (7.1)	27,325 (8.0)	30,740 (9.0)	34,150 (10.0)	38,250 (11.2)	42,700 (12.5)	47,820 (14.0)	59,700 (17.5)	76,500 (22.4)	95,625 (28.0)
Heating Capacity	Btuh (kw)	21,515 (6.3)	24,250 (7.1)	27,320 (8.0)	30,740 (9.0)	34,150 (10.0)	38,250 (11.2)	42,700 (12.5)	47,820 (14.0)	34,150 (16.0)	61,500 (18.0)	85,400 (25.0)	105,900 (31.0)
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	0.54	0.54	0.59	0.59	0.90	0.90	0.90	1.00	1.00	2.54	3.63	4.09
	Power Input (W)	120	120	130	130	200	200	200	220	220	560	800	900
Air Filter		Cleanable Cartridge Type											
Fan	Type	Centrifugal Fan											
	Speed - 9	4-Speed Setting (Selectable from 9 available @ wired controller)											
	Qty	2	2	2	2	2	2	2	2	2	2	2	2
	Air Flow CFM (m³/hr) (Nom)	590 (1000)	590 (1000)	650 (1100)	650 (1100)	1000 (1700)	1000 (1700)	1000 (1700)	1175 (2000)	1175 (2000)	1825 (3100)	2355 (4000)	2590 (4400)
	ESP Range in-wt / (Pa)	0-0.40 / (0-100)											0.20-0.80 / (50-200)
Noise Level Hi (db)	36	36	36	36	37	37	38	38	38	40	40	40	40
Refrigerant Connections inches (mm)	Type	Flare											Sweat(S) / Flare (F)
	Liquid	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) (F)	3/8 (9.52) (F)
	Suction	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 (19.05)	3/4 (19.05) (S)	7/8 (22.2) (S)
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)	3/4 (19.05)	1 1/4 (30.0)	1 1/4 (30.0)
Dimensions inches (mm)	Height	10 1/2 (268)	10 1/2 (268)	10 1/2 (268)	10 1/2 (268)	11 1/2 (290)	11 1/2 (290)	11 1/2 (290)	11 1/2 (290)	11 1/2 (290)	15 3/8 (389)	15 1/8 (385)	17 3/4 (450)
	Width	50 (1271)	50 (1271)	50 (1271)	50 (1271)	48 3/8 (1229)	48 3/8 (1229)	48 3/8 (1229)	48 3/8 (1229)	48 3/8 (1229)	59 (1497)	58 3/8 (1483)	66 3/8 (1686)
	Depth	22 (558)	22 (558)	22 (558)	22 (558)	30 1/2 (775)	30 1/2 (775)	30 1/2 (775)	30 1/2 (775)	30 1/2 (775)	31 1/2 (799)	31 1/8 (791)	34 1/4 (870)
Net Weight Lbs (kgs)		77.2 (35)	77.2 (35)	77.2 (35)	77.2 (35)	103.6 (47)	103.6 (47)	103.6 (47)	103.6 (47)	103.6 (47)	174.2 (79)	180.8 (82)	231.5 (105)



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 OGMNM-0315.

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