

OMEGA VRF TECHNOLOGY

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

VEHA SERIES HIGH STATIC DUCTED VRF Indoor Unit Inverter Heat Pump 50 HZ

Cooling Capacity Min~Max: 68,240~191,130 Btuh (20.0~ 56.0 kW)

Heating Capacity Min~Max: 75,070 ~ 215,020 Btuh (22.0~63.0 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 (Optional).
- ✓ Centralized 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.	VEHA	070Q 3A-GCV200	085Q 3A-GCV250	096Q 3A-GCV280	0154Q 7A-GCV450	191Q 7A-GCV560
Cooling Capacity	Btuh (kw)	68,240 (20.0)	85,300 (25.0)	95,540 (28.0)	153,600 (45.0)	191,130 (56.0)
Heating Capacity	Btuh (kw)	75,070 (22.0)	93,840 (27.5)	105,090 (30.8)	170,650 (50.0)	215,020 (63.0)
Refrigerant Control	Electronic Expansion Valve @ Indoor Unit					
Coil Type	Grooved Cooper Tubes - Aluminum Blue Slit Fin					
Electrical	Voltage-Phase	220-240/1			380-415/3	
	Frequency	50 Hz				
	FLA	5.4	5.4	5.4	10	10
	Power Input (W)	1200	1200	1200	2200	2200
Air Filter	Cleanable Cartridge Type					
Fan	Type	Centrifugal Fan				
	Speed	3-Speed				
	Qty	2	2	2	2	2
	Air Flow CFM (m ³ /hr) (Nom)	2350 (4000)	2470 (4200)	2590 (4400)	3530 (6000)	4700 (8000)
	ESP Range in-wt / (Pa)	0~0.60 / (0~100)				
Refrigerant Connections inches (mm)	Type	Flare				
	Liquid	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (15.9)	5/8 (15.9)
	Suction	7/8 (22.2)	7/8 (22.2)	7/8 (22.2)	1 1/8 (28.6)	1 1/8 (28.6)
Drain Connections inches (mm)	Height	1 1/4 (30)	1 1/4 (30)	1 1/4 (30)	1 1/4 (30)	1 1/4 (30)
Dimensions inches (mm)	Height	17 5/8 (448)	17 5/8 (448)	17 5/8 (448)	36 1/8 (916)	36 1/8 (916)
	Width	57 5/8 (1465)	57 5/8 (1465)	57 5/8 (1465)	85 1/4 (2165)	85 1/4 (2165)
	Depth	31 7/8 (811)	31 7/8 (811)	31 7/8 (811)	26 5/8 (676)	26 5/8 (676)
Net Weight Lbs (kgs)		224.9 (102)	224.9 (102)	224.9 (102)	485.0 (222)	485.0 (222)



Wired Controller
VAECR-G001
(Standard)



Wireless Controller
VAEWP-G001
(Optional)



Wireless Controller
VAEWD-G001
(Optional)



Deluxe Wired Controller
VAECD-G001
(Optional)



Touch Tone Central
VAECT-G064T
(Optional)



Wi Fi Smart Box
VAESB-G64WF
(Optional)



Centralized Controller
VAESC-G64T
(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-0217.

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