

OMEGA VRF TECHNOLOGY

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

VEHP SERIES

HIGH STATIC DUCTED VRF Indoor Unit Inverter Heat Pump 60 Hz

Cooling Capacity Min~Max: 24,250~ 95,540 Btuh (7.1~ 28.0 kW)
Heating Capacity Min~Max: 26,620 ~ 105,090 Btuh (7.8~30.8 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



7.1-9.0 KW



10-16 KW



A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

OMEGA VRF TECHNOLOGY

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

VEHP SERIES HIGH STATIC DUCTED VRF Indoor Unit Inverter Heat Pump 60Hz

Cooling Capacity Min~Max: 24,250 ~ 95,540 Btuh (7.1~28.0 kW)
Heating Capacity Min~Max: 26,620 ~ 105,090 Btuh (7.8~30.8 kW)

HIGH STATIC DUCTED VRF Indoor Unit

MODEL NO.	VEHP	024Q	027Q	031Q	035Q	040Q	048Q	060Q
		2A-GCV071	2A-GCV080	2A-GCV090	2A-GCV100	2A-GCV120	2A-GCV140	2A-GCV160
Cooling Capacity	Btuh (kw)	24,250 (7.1)	27,325 (8.0)	30,740 (9.0)	34,130 (10.0)	40,950 (12.0)	47,770 (14.0)	54,600 (16.0)
Heating Capacity	Btuh (kw)	26,620 (7.8)	30,040 (8.8)	34,130 (10.0)	37,540 (11.0)	44,360 (13.0)	53,570 (15.7)	61,150 (17.9)
Refrigerant Control	Electronic Expansion Valve @ Indoor Unit							
Coil Type	Grooved Cooper Tubes - Aluminum Blue Slit Fin							
Electrical	Voltage-Phase	208-230/1						
	Frequency	60 Hz						
	FLA	1.54	1.54	1.54	2.04	2.04	2.04	2.04
	Power Input (W)	340	340	340	450	450	450	450
Air Filter	Cleanable Cartridge Type							
Fan	Type	Centrifugal Fan						
	Speed - 9	3-Speed						
	Qty	3	3	3	2	2	2	2
	Air Flow CFM (m³/hr) (Nom)	880 (1500)	880 (1500)	880 (1500)	1350 (2300)	1350 (2300)	1350 (2300)	1350 (2300)
	ESP Range in-wt / (Pa)	0~0.60 / (0~100)						
	Noise Level Hi (db)	42	42	42	52	52	52	52
Refrigerant Connections inches (mm)	Type	Flare						
	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)
	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)
Drain Connections inches (mm)	(mm)	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	10 1/4 (260)	10 1/4 (260)	10 1/4 (260)	14 5/8 (370)	14 5/8 (370)	14 5/8 (370)	14 5/8 (370)
	Width	56 7/8 (1445)	56 7/8 (1445)	56 7/8 (1445)	46 7/8 (1190)	46 7/8 (1190)	46 7/8 (1190)	46 7/8 (1190)
	Depth	26 3/4 (680)	26 3/4 (680)	26 3/4 (680)	24 3/8 (620)	24 3/8 (620)	24 3/8 (620)	24 3/8 (620)
Net Weight Lbs (kgs)		101.4 (46)	101.4 (46)	101.4 (46)	103.6 (47)	103.6 (47)	103.6 (47)	103.6 (47)



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.

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