

OMEGA VRF TECHNOLOGY

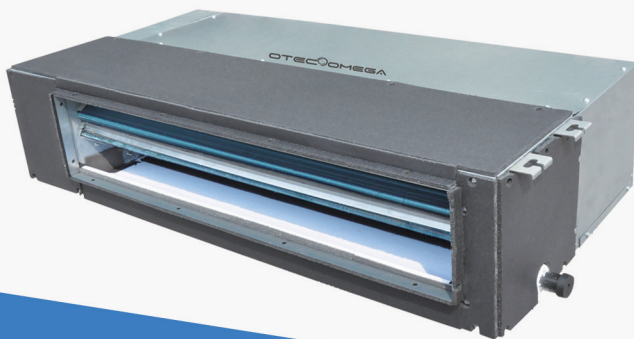
Engineered to elevate efficiency and comfort
..... to the next level!

VELP SERIES LOW PRESSURE DUCTED VRF Indoor Unit 3D Inverter Heat Pump

Cooling Capacity Min~Max: 7,500 ~ 24,250 Btuh (2.2 ~ 7.1 kW)
Heating Capacity Min~Max: 8,540 ~ 27,350 Btuh (2.5 ~ 8.0 kW)

Product Features

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



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.
- ✓ Water Overflow Protection.
- ✓ Intelligent Drainage Device.



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!

VELP SERIES LOW PRESSURE DUCTED VRF Indoor Unit 3D Inverter Heat Pump

Cooling Capacity Min~Max: 7,500 ~ 24,250 Btuh (2.2 ~ 7.1 kW)

Heating Capacity Min~Max: 8,540 ~ 27,350 Btuh (2.5 ~ 8.0 kW)

LOW PRESSURE DUCTED VRF Indoor Unit

MODEL NO.	VELP	008Q 0A-GCV022	009Q 0A-GCV025	010Q 0A-GCV028	011Q 0A-GCV032	012Q 0A-GCV036	014Q 0A-GCV040	015Q 0A-GCV045	017Q 0A-GCV050	019Q 0A-GCV056	024Q 0A-GCV071
Cooling Capacity	Btuh (kw)	7,500 (2.2)	8,550 (2.5)	9,560 (2.8)	10,950 (3.2)	12,300 (3.6)	13,660 (4.0)	15,375 (4.5)	17,075 (5.0)	19,125 (5.6)	24,250 (7.1)
Heating Capacity	Btuh (kw)	8,540 (2.5)	9,575 (2.8)	10,950 (3.2)	12,300 (3.6)	13,660 (4.0)	15,375 (4.5)	17,075 (5.0)	19,125 (5.6)	21,520 (6.3)	27,350 (8.0)
Refrigerant Control		Electronic Expansion Valve @ Indoor Unit									
Coil Type		Grooved Cooper Tubes - Aluminum Blue Slit Fin									
Electrical	Voltage-Phase	208/230-1									
	Frequency	N/A -3D									
	FLA	0.10	0.10	0.10	0.10	0.14	0.14	0.17	0.22	0.22	0.26
	Power Input (W)	20	20	20	20	30	30	35	45	45	55
Air Filter		Cleanable Cartridge Type									
Fan	Type	Centrifugal Fan									
	Speed - 5	4-Speed Setting (Selectable from 5 available @ wired controller)									
	Qty	2	2	2	2	2	2	2	2	2	2
	Air Flow CFM (m³/hr) (Nom)	265 (450)	265 (450)	265 (450)	265 (450)	295 (500)	295 (500)	370 (620)	470 (800)	470 (800)	590 (1000)
	ESP Range in-wt / (Pa)	0~0.12 / (0~30)									
Noise Level Lo-Hi (db)	24-29	24-29	24-29	24-29	25-32	25-32	32-37	28-38	28-38	30-39	
Refrigerant Connections inches (mm)		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)
	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)	1/2 (12.7)	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)
Dimensions inches (mm)	Height	8 1/4 (210)	8 1/4 (210)	8 1/4 (210)	8 1/4 (210)	8 1/4 (210)	8 1/4 (210)	8 1/4 (210)	8 1/4 (210)	8 1/4 (210)	8 1/4 (210)
	Width	32 (814)	32 (814)	32 (814)	32 (814)	32 (814)	32 (814)	32 (814)	39 3/4 (1010)	39 3/4 (1010)	47 3/4 (1214)
	Depth	18 3/8 (467)	18 3/8 (467)	18 3/8 (467)	18 3/8 (467)	18 3/8 (467)	18 3/8 (467)	18 3/8 (467)	18 3/8 (467)	18 3/8 (467)	18 3/8 (467)
Net Weight Lbs (kgs)		35 (16)	35 (16)	35 (16)	35 (16)	36 (17)	36 (17)	36 (17)	44 (20)	44 (20)	55 (25)



Wired Controller
VAECR-G001
(Standard)



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)



24V. Hotel Controller
(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 units.
- Insulation of both liquid and suction line is required (Heat Pump Mode).
- For details of model number nomenclature, please refer to publication OMGNM-1117.

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