

OMEGA VRF TECHNOLOGY

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

BEFC Series

Floor Ceiling VRF Indoor Unit 3D Ultima Heat Pump

Cooling Capacity Min ~ Max: 12,000 ~ 47,000 BTU/h (3.5 ~ 14.0 kW)

Heating Capacity Min ~ Max: 13,000 ~ 51,000 BTU/h (3.8 ~ 15.0 kW)

Product Features

- ✓ Indoor Unit System
- ✓ Full DC Inverter Technologies.
- ✓ Floor & Ceiling Installation.
- ✓ Self Diagnosis Function.
- ✓ Factory Tested.
- ✓ Wide Airflow Range.
- ✓ Easy Installation & Maintenance



Indoor Unit Features

- ✓ Wireless LCD Remote Control (Standard).
- ✓ Wired 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.

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OTEC
AIR CONDITIONING

A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

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FLOOR CEILING VRF Indoor Unit

MODEL NO.	BEFC	BEFC012Q 2A-DWM036	BEFC015Q 2A-DWM045	BEFC019Q 2A-DWM056	BEFC024Q 2A-DWM071	BEFC027Q 2A-DWM080	BEFC031Q 2A-DWM090	BEFC038Q 2A-DWM112	BEFC048Q 2A-DWM140
Cooling Capacity	BTU/h (kW)	12,000 (3.5)	15,000 (4.4)	19,000 (5.6)	24,000 (7.0)	27,000 (8.0)	30,000 (8.8)	38,000 (11.1)	47,000 (13.8)
Heating Capacity	BTU/h (kW)	13,000 (3.8)	17,000 (5.0)	21,000 (6.2)	27,000 (8.0)	30,000 (8.8)	34,000 (10.0)	42,000 (12.3)	51,000 (15.0)
Refrigerant Control		Electronic Expansion Valve @ Indoor Unit							
Coil Type		Grooved Cooper Tubes - I hydrophilic Aluminum Fin							
Electrical	Voltage-Phase	220~240 - 1Ph							
	Frequency	60Hz							
	FLA	0.35	0.93	0.95	0.95	1.10	1.10	1.30	1.30
	Input (W)	100	100	100	100	100	100	200	200
Air Filter		Cleanable Cartridge Type							
Fan	Type	Cross Flow Fan							
	Speed	3-Speed							
	Qty	1	1	1	1	1	1	2	2
	Air Flow CFM (m³/hr) (Hi)	400 (600)	550 (750)	550 (750)	550 (750)	700 (1200)	700 (1200)	1730 (1980)	1730 (1980)
Noise Level Hi (db)	40	43	43	43	45	45	47	47	
Refrigerant Connections inches (mm)	Type	Flare							
	Liquid	1/4(Φ6.35)	1/4(Φ6.35)	3/8(Φ9.53)	3/8(Φ9.53)	3/8(Φ9.53)	3/8(Φ9.53)	3/8(Φ9.53)	3/8(Φ9.53)
	Gas	1/2(Φ12.7)	1/2(Φ12.7)	5/8(Φ15.9)	5/8(Φ15.9)	5/8(Φ15.9)	5/8(Φ15.9)	5/8(Φ15.9)	5/8(Φ15.9)
Drain Connections inches (mm)		1 (25)							
Dimensions inches (mm)	Height	8 (203)	8 (203)	8 (203)	8 (203)	8 (203)	8 (203)	13 (329)	13 (329)
	Width	39 (990)	39 (990)	39 (990)	39 (990)	50 3/8 (1280)	50 3/8 (1280)	69 1/2 (1764)	69 1/2 (1764)
	Depth	26 (660)	26 (660)	26 (660)	26 (660)	26 (660)	26 (660)	30 (760)	30 (760)
Net Weight Lbs (kgs)		26 (57.3)	28 (61.7)	28 (61.7)	28 (61.7)	34.5(76.1)	34.5(76.1)	54 (119.0)	54 (119.0)



Wireless Controller
VAEWD-D001 (Optional)



Wired Controller
VAECR-D001 (Standard)

- 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-0620.

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