

VRF ULTIMA

OMEGA VRF TECHNOLOGY

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

BECW SERIES

ONE-WAY CASSETTE VRF Indoor Unit Inverter Heat Pump 50 Hz

Cooling Capacity Min~Max: 6,410 ~ 24,225 BTU/h (1.8 ~ 7.1 kW)

Heating Capacity Min~Max: 7,505 ~ 27,295 BTU/h (2.2 ~ 8.0 kW)

Product Features

- ✓ Built-in Electronic Expansion Valve.
- ✓ Built-in Drain Pump.
- ✓ Auto Restart.
- ✓ Excellent Comfort for Rooms & Compact Solutions.
- ✓ Self Diagnosis Function.
- ✓ Factory Tested.
- ✓ Automatic Defrosting.
- ✓ Low Voltage Start Up.



Indoor Unit Features

- ✓ Wireless LCD Remote Control (Standard).
- ✓ Wired LCD Remote Control (Optional).
- ✓ Deluxe Wired Controller with Weekly Timer (Optional).
- ✓ Centralized controller (Optional).
- ✓ Remote monitoring software (Optional).
- ✓ One Direction Airflow.
- ✓ Fresh Air Intake Available on 015, 019, and 024 Models.
- ✓ Ultra-Low Noise Operation.
- ✓ Small Installation Design.
- ✓ Water Overflow Protection.
- ✓ Anti-Freezing Protection.
- ✓ Temperature Malfunction Protection.

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OTEC
AIR CONDITIONING

A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

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ONE-WAY CASSETTE VRF Indoor Unit

MODEL NO.	BECW	006N	008N	010N	012N	015N	019N	024N
		3A-DWM018	3A-DWM022	3A-DWM028	3A-DWM036	3A-DWM045	3A-DWM056	3A-DWM071
Cooling Capacity	BTU/h (kW)	6,140 (1.8)	7,505 (2.2)	9,555 (2.8)	12,285 (3.6)	15,355 (4.5)	19,110 (5.6)	24,225 (7.1)
Heating Capacity	BTU/h (kW)	7,505 (2.2)	8,870 (2.6)	10,920 (3.2)	13,650 (4.0)	17,060 (5.0)	21,495 (6.3)	27,295 (8.0)
Refrigerant Control		Electronic Expansion Valve @ Indoor Unit						
Coil Type		Grooved Copper Tubes - Hydrophilic Aluminum Fin						
Electrical	Voltage-Phase	220~240 / 1Ph						
	Frequency	50Hz						
	FLA	0.16	0.16	0.24	0.24	0.24	0.24	0.32
	Power Input (W)	80	80	80	80	100	100	120
Air Filter		Cleanable Cartridge Type						
Fan	Type	Cross-flow Fan						
	Speed	3-Speed						
	Air Flow CFM (m³/hr) (Hi)	305 (523)	305 (523)	335 (573)	335 (573)	405 (693)	465 (792)	550 (933)
	Noise Level Hi (db)	37	37	39	39	41	42	44
Refrigerant Connections inches (mm)	Type	Branch Header						
	Liquid	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.53)	3/8 (9.53)
	Suction	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (15.9)	5/8 (15.9)
Drain Connections inches (mm)		1 (25)						
Body Dimensions inches (mm)	Height	6 (153)	6 (153)	6 (153)	6 (153)	7 1/2 (189)	7 1/2 (189)	7 1/2 (189)
	Width	41 1/2 (1054)	41 1/2 (1054)	41 1/2 (1054)	41 1/2 (1054)	50 1/4 (1275)	50 1/4 (1275)	50 1/4 (1275)
	Depth	16 3/4 (425)	16 3/4 (425)	16 3/4 (425)	16 3/4 (425)	17 3/4 (450)	17 3/4 (450)	17 3/4 (450)
Body Net Weight Lbs (kgs)		27.6 (12.5)	27.6 (12.5)	28.7 (13.0)	28.7 (13.0)	40.8 (18.5)	41.4 (18.8)	43.0 (19.5)
Panel Dimensions inches (mm)	Height	1 (25)	1 (25)	1 (25)	1 (25)	1 (25)	1 (25)	1 (25)
	Width	46 1/2 (1180)	46 1/2 (1180)	46 1/2 (1180)	46 1/2 (1180)	53 1/8 (1350)	53 1/8 (1350)	53 1/8 (1350)
	Depth	18 3/8 (465)	18 3/8 (465)	18 3/8 (465)	18 3/8 (465)	19 7/8 (505)	19 7/8 (505)	19 7/8 (505)
Panel Net Weight Lbs (kgs)		7.7 (3.5)	7.7 (3.5)	7.7 (3.5)	7.7 (3.5)	8.8 (4.0)	8.8 (4.0)	8.8 (4.0)



Wireless Controller
VAEWD-D001 (Optional)



Wireless Controller
VAEWR-D001 (Standard)



Wired Controller
VAECR-D001 (Standard)



Deluxe Wired Controller
VAECD-D001 (Optional)



Centralized Controller
VAECC-D064T (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 0721.

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



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OTEC
AIR CONDITIONING
Showroom & Technology Center
11380 Interchange Circle North
Miramar, FL 33025 - USA
Tel: 305 731 2140, 888 840 7550
Fax: 954 212 8780
info@otecomega.com
www.otecomega.com