

# 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.

OMEGA



OTEC  
AIR CONDITIONING

A Product of  
**OMEGA**  
Environmental  
Technologies LLC.

ISO 14001 ISO 9001



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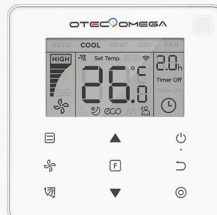
ONE-WAY CASSETTE VRF Indoor Unit								
MODEL NO.	BECW	006Q 3A-DWM018	008Q 3A-DWM022	010Q 3A-DWM028	012Q 3A-DWM036	015Q 3A-DWM045	019Q 3A-DWM056	024Q 3A-DWM071
Cooling Capacity	BTU/h (kW)	6,140 (1.8)	7,505 (2.2)	9,555 (2.8)	12,285 (3.6)	15,355 (4.5)	19,110 (5.6)	24,225 (7.1)
Heating Capacity	BTU/h (kW)	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:**
1. 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.
  2. Refrigerant metering device is installed at the indoor unit as standard.

3. Flare fittings are provided for connecting indoor and outdoor units.
4. Insulation of both liquid and suction line is required (Heat Pump Mode).
5. For details of model number nomenclature, please refer to publication OGMNM-0721.

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