

VRF ULTIMA

OMEGA VRF TECHNOLOGY

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

BECM SERIES

MINI CASSETTE VRF Indoor Unit Inverter Heat Pump 50 Hz

Cooling Capacity Min ~ Max: 5,120 ~ 15,355 BTU/h (1.5 ~ 4.5 kW)

Heating Capacity Min ~ Max: 5,800 ~ 17,060 BTU/h (1.7 ~ 5.0 kW)

Product Features

- ✓ Built-in Electronic Expansion Valve.
- ✓ Built-in Drain Pump.
- ✓ Auto Restart.
- ✓ Excellent Comfort for Commercial & Industrial 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).
- ✓ 8 Direction Airflow.
- ✓ Ultra-Low Noise Operation.
- ✓ DC Inverter Motor.
- ✓ Compact Design.
- ✓ Intelligent Drainage Device.



OMEGA



OTEC
AIR CONDITIONING

A Product of
OMEGA
Environmental
Technologies LLC.

ISO 14001 ISO 9001

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MINI CASSETTE VRF Indoor Unit						
MODEL NO.	BECM	005N 3A-DWM015	008N 3A-DWM022	010N 3A-DWM028	012N 3A-DWM036	015N 3A-DWM045
Cooling Capacity	BTU/h (kW)	5,120 (1.5)	7,505 (2.2)	9,555 (2.8)	12,285 (3.6)	15,355 (4.5)
Heating Capacity	BTU/h (kW)	5,800 (1.7)	8,190 (2.4)	10,920 (3.2)	13,650 (4.0)	17,060 (5.0)
Refrigerant Control	Electronic Expansion Valve @ Indoor Unit					
Coil Type	Grooved Cooper Tubes - Hydrophilic Aluminum Fins					
Electrical	Voltage-Phase	220~240 / 1Ph				
	Frequency	50 Hz				
	FLA	0.16	0.16	0.16	0.24	0.24
	Power Input (W)	100	100	100	120	120
Air Filter	Cleanable Cartridge Type					
Fan	Type	Coaxial Turbo Fan				
	Speed	3-Speed				
	Air Flow CFM (m³/hr) (Hi)	235 (400)	245 (414)	245 (414)	305 (521)	305 (521)
	Noise Level Hi (db)	35	36	36	42	42
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)
	Suction	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)
Drain Connections inches (mm)		1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)
Body Dimensions inches (mm)	Height	10 1/4 (260)	10 1/4 (260)	10 1/4 (260)	10 1/4 (260)	10 1/4 (260)
	Width	24 7/8 (630)	24 7/8 (630)	24 7/8 (630)	24 7/8 (630)	24 7/8 (630)
	Depth	22 1/2 (570)	22 1/2 (570)	22 1/2 (570)	22 1/2 (570)	22 1/2 (570)
Body Net Weight Lbs (kgs)		37.5 (17.0)	37.5 (17.0)	37.5 (17.0)	40.8 (18.5)	40.8 (18.5)
Panel Dimensions inches (mm)	Height	2 (50)	2 (50)	2 (50)	2 (50)	2 (50)
	Width	25 1/2 (647)	25 1/2 (647)	25 1/2 (647)	25 1/2 (647)	25 1/2 (647)
	Depth	25 1/2 (647)	25 1/2 (647)	25 1/2 (647)	25 1/2 (647)	25 1/2 (647)
Panel Net Weight Lbs (kgs)		5.5 (2.5)	5.5 (2.5)	5.5 (2.5)	5.5 (2.5)	5.5 (2.5)



Wireless Controller
VAFWD-D001 (Optional)



Wireless Controller
VAFWR-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 0521.

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