

VRF ULTIMA

OMEGA VRF TECHNOLOGY

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

BECS SERIES

STANDARD CASSETTE VRF Indoor Unit Inverter Heat Pump 60Hz

Cooling Capacity Min ~ Max: 9,555 ~ 54,590 BTU/h (2.8 ~ 16.0 kW)
Heating Capacity Min ~ Max: 10,920 ~ 58,005 BTU/h (3.2 ~ 17.0 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).
- ✓ 360° 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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STANDARD CASSETTE VRF Indoor Unit

MODEL NO.	BECS	010Q	012Q	015Q	019Q	024Q	027Q	031Q	036Q	038Q	048Q	060Q	
		2A-DWM028	2A-DWM036	2A-DWM045	2A-DWM056	2A-DWM071	2A-DWM080	2A-DWM090	2A-DWM100	2A-DWM112	2A-DWM140	0A-DWM160	
Cooling Capacity	BTU/h (kW)	9,555 (2.8)	12,285 (3.6)	15,355 (4.5)	19,110 (5.6)	24,225 (7.1)	27,295 (8.0)	30,710 (9.0)	34,120 (10.0)	38,215 (11.2)	47,770 (14.0)	54,590 (16.0)	
Heating Capacity	BTU/h (kW)	10,920 (3.2)	13,650 (4.0)	17,060 (5.0)	21,495 (6.3)	27,295 (8.0)	30,710 (9.0)	34,120 (10.0)	37,530 (11.0)	42,650 (12.5)	54,590 (16.0)	58,005 (17.0)	
Refrigerant Control	Electronic Expansion Valve @ Indoor Unit												
Coil Type	Grooved Cooper Tubes - Hydrophilic Aluminum Fins												
Electrical	Voltage-Phase	208~230 - 1Ph											
	Frequency	60 Hz											50/60 Hz
	FLA	0.2	0.2	0.3	0.3	0.3	0.4	0.7	0.7	0.7	0.8	1.01	
	Power Input (W)	52	52	52	52	74	74	100	130	130	130	180	
Air Filter	Cleanable Cartridge Type												
Fan	Type	Coaxial Turbo Fan											
	Speed	3-Speed											
	Air Flow CFM (m³/hr) (Hi)	465 (791)	465 (791)	555 (942)	555 (942)	725 (1235)	725 (1235)	785 (1333)	960 (1634)	960 (1634)	995 (1692)	1235 (2100)	
	Noise Level Hi (db)	30	30	35	35	43	43	43	45	45	46	46	
Refrigerant Connections inches (mm)	Type	Branch Header											
	Liquid	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	
	Suction	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)	
Drain Connections inches (mm)	1 1/4 (32.0)												
Body Dimensions inches (mm)	Height	9 1/8 (230)	9 1/8 (230)	9 1/8 (230)	9 1/8 (230)	9 1/8 (230)	9 1/8 (230)	11 7/8 (300)	11 7/8 (300)	11 7/8 (300)	11 7/8 (300)	11 7/8 (300)	
	Width	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	37 3/8 (950)	
	Depth	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)	37 3/8 (950)	
Body Net Weight Lbs (kgs)	47.3 (21.5)		47.3 (21.5)	52.1 (23.7)	52.1 (23.7)	52.1 (23.7)	52.1 (23.7)	63.1 (28.7)	63.1 (28.7)	63.1 (28.7)	63.1 (28.7)	77.8 (35.3)	
Panel Dimensions inches (mm)	Height	2 3/4 (70)	2 3/4 (70)	2 3/4 (70)	2 3/4 (70)	2 3/4 (70)	2 3/4 (70)	2 3/4 (70)	2 3/4 (70)	2 3/4 (70)	2 3/4 (70)	2 1/8 (55)	
	Width	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	41 3/8 (1050)	
	Depth	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	41 3/8 (1050)	
Panel Net Weight Lbs (kgs)	12.8 (5.8)		12.8 (5.8)	12.8 (5.8)	12.8 (5.8)	12.8 (5.8)	12.8 (5.8)	12.8 (5.8)	12.8 (5.8)	12.8 (5.8)	12.8 (5.8)	16.3 (7.4)	



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.

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