

VRF ULTIMA

OMEGA VRF TECHNOLOGY

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

BECS/BECR SERIES ROUNDFLOW CASSETTE VRF Indoor Unit Inverter Heat Pump 50Hz

Cooling Capacity Min ~ Max: 9,555 ~ 61,200 BTU/h (2.8 ~ 17.9 kW)
Heating Capacity Min ~ Max: 10,920 ~ 62,400 BTU/h (3.2 ~ 18.3 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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ROUNDFLOW CASSETTE VRF Indoor Unit

MODEL NO.	BEC	S010Q 3A-DWM028	S012Q 3A-DWM036	S015Q 3A-DWM045	S019Q 3A-DWM056	S024Q 3A-DWM071	S027Q 3A-DWM080	S031Q 3A-DWM090	S036Q 3A-DWM100	S038Q 3A-DWM112	S048Q 3A-DWM140	R060Q 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)	61,200 (17.9)
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)	37,875 (11.1)	42,650 (12.5)	54,590 (16.0)	62,400 (18.3)
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	0.2	0.2	0.3	0.3	0.3	0.4	0.5	0.6	0.6	0.6	1.01
	Power Input (W)	52	52	52	52	60	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)	450 (764)	450 (764)	530 (905)	530 (905)	560 (950)	705 (1200)	785 (1332)	970 (1651)	970 (1651)	975 (1658)	1235 (2100)
	Noise Level Hi (db)	32	32	36	36	38	42	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)	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)	47.4 (21.5)		47.4 (21.5)	52.2 (23.7)	52.2 (23.7)	52.2 (23.7)	52.2 (23.7)	63.3 (28.7)	63.3 (28.7)	63.3 (28.7)	68.1 (30.9)	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 OMGNM-0721.

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