

VRF ULTIMA

OMEGA

VRF TECHNOLOGY

INVERTER
TECHNOLOGY
EXPERT

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

BECR Ultima SERIES

220-240V/1/50-60 Hz (Full DC)

ROUNDFLOW CASSETTE VRF Indoor Unit

Inverter Heat Pump

Cooling Capacity Min ~ Max: 9,600 ~ 61,420 BTU/h (2.8 ~ 18.0 kW)

Heating Capacity Min ~ Max: 10,900 ~ 68,200 BTU/h (3.2 ~ 20.0 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.



Outdoor 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.

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DC INVERTER

ISO 14001 ISO 9001

OTEC
AIR CONDITIONING

A Product of
OMEGA
Environmental
Technologies LLC.

Notes:
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Certifications and emblems shown are applicable to selected models only. Please contact Omega for details.

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Roundflow Cassette VRF Indoor Unit

MODEL NO.	BECR	010N0A-DWV028	012N0A-DWV036	015N0A-DWV045	019N0A-DWV056	024N0A-DWV071	027N0A-DWV080	031N0A-DWV090	036N0A-DWV100	038N0A-DWV112	048N0A-DWV140	060N0A-DWV160	062N0A-DWV180
Cooling Capacity	BTU/h (kW)	9,600 (2.8)	12,300 (3.6)	15,400 (4.5)	19,100 (5.6)	24,200 (7.1)	27,295 (8.0)	30,710 (9.0)	34,125 (10)	38,215 (11.2)	47,800 (14.0)	54,600 (16)	61,420 (18)
Heating Capacity	BTU/h (kW)	10,900 (3.2)	13,700 (4.0)	17,100 (5.0)	21,500 (6.3)	27,300 (8.0)	30,700 (9.0)	34,100 (10.0)	38,200 (11.2)	42,700 (12.5)	54,600 (16.0)	61,400 (18.0)	68,200 (20.0)
Refrigerant Control		Electronic Expansion Valve @ Indoor Unit											
Coil Type		Grooved Cooper Tubes - Hydrophilic Aluminum Fins											
Electrical	Voltage-Phase	220~240 / 1Ph											
	Frequency	50/60Hz											
	FLA	0.22	0.41	0.26	0.33	0.51	0.46	0.72	0.62	1.14	1.83	2.10	
	Power Input (W)	17	36	23	32	41	43	74	61	118	110	145	
Air Filter		Cleanable Cartridge Type											
Fan	Type	Coaxial Turbo Fan											
	Speed	7-Speed											
	Air Flow CFM (m³/hr) (Hi)	465 (790)	465 (790)	535 (910)	494 (840)	588 (1000)	647 (1100)	782 (1330)	865 (1470)	941 (1600)	1,118 (1900)	1,235 (2100)	1,353 (2300)
	Noise Level Hi (db)	30	37	33	37	42.5	38	46	43	41	47	48	52
Refrigerant Type		R410A/R32											
Refrigerant Connections inches (mm)	Type	Flare											
	Liquid	1/4 (6.35)	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)	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)	3/4 (19.1)
Drain Connections inches (mm)		1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)
Body Dimensions inches (mm)	Width	33 (840)	33 (840)	33 (840)	33 (840)	33 (840)	33 (840)	33 (840)	33 (840)	33 (840)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)
	Height	8 (204)	8 (204)	8 (204)	8 (204)	8 (204)	8 (204)	9 5/8 (246)	9 5/8 (246)	11 3/8 (288)	11 3/8 (288)	11 7/8 (300)	11 7/8 (300)
	Depth	33 (840)	33 (840)	33 (840)	33 (840)	33 (840)	33 (840)	33 (840)	33 (840)	33 (840)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)
Body Net Weight Lbs (kgs)		39.6(18)	39.6(18)	39.6(18)	42.9(19.5)	42.9(19.5)	42.9(19.5)	47.3(21.5)	47.3(21.5)	52.8(24)	71.72(32.6)	71.94(32.7)	
Panel Dimensions inches (mm)	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)	41 3/8 (1050)	24 1/2 (620)	
	Height	2 (53)	2 (53)	2 (53)	2 (53)	2 (53)	2 (53)	2 (53)	2 (53)	2 (53)	2 1/6 (55)	2 5/8 (65)	
	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)	41 3/8 (1050)	24 1/2 (620)	
Panel Net Weight Lbs (kgs)		12.32(5.6)	12.32(5.6)	12.32(5.6)	12.32(5.6)	12.32(5.6)	12.32(5.6)	12.32(5.6)	12.32(5.6)	12.32(5.6)	16.28(7.4)	16.28(7.4)	

Wired Controller
VAECR-D086SW (Optional)Deluxe Wired Controller
VAECD-D086HB (Optional)Wired Controller
VAECD-D120VB (Optional)Wireless Controller
VAEWD-D003 (Standard)

- 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.
 - EER figures are estimate subject to indoor units installed.
 - Refrigerant metering device is installed at the indoor unit as standard.
 - Flare fittings are provided as standard.

- Insulation of both liquid and suction line is required (Heat Pump Model).
- ODU's installed above IDU's 98 ft (30m) & ODU's installed below IDU's 66 ft (20m).
- Refer to individual indoor unit spec sheets for details.
- For details of model number nomenclature, please refer to publication OMGNM-0921.

(**) Anti-Corrosion Protection is optional, please refer to sales representative for more information.

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BECRN0A9-CBD0425