

PIPE RUNS  
UP TO  
100M (330FT)

# OMEGA INVERTER TECHNOLOGY

INVERTER  
TECHNOLOGY  
EXPERT

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



BECR



BCHB

## BECR SERIES

Round-Flow Cassette

VRF Indoor Unit Inverter 50Hz

Cooling Capacity - Min ~ Max: 14,400 ~ 63,800 Btu/h

### Product Features

- ✓ Cooling and Heating System
- ✓ Built-in Electronic Expansion Valve
- ✓ Built in Drain Pump
- ✓ Auto Restart
- ✓ Pipe Runs Up to 100 m (330 ft)
- ✓ Self Diagnosis Function
- ✓ Automatic Defrosting
- ✓ Low Voltage Start Up

### Outdoor Unit Features

- ✓ Low-Noise Design with Single DC Fan Motor
- ✓ Precise Oil Control Technology
- ✓ Refrigerant-Cooled PCB Board
- ✓ High-Efficiency PFC Control
- ✓ Wider Operation Condition Range
- ✓ Compressor Oil Storage Technology
- ✓ Four-Direction Piping Connection
- ✓ Automatic Fault Detection
- ✓ Automatic Address Setting
- ✓ Non-Polarity Communication Wiring

### Indoor Unit Features

- ✓ 360 Degree Airflow
- ✓ Ultra-Low Noise Operation
- ✓ DC Inverter Motor
- ✓ Compact Design
- ✓ Intelligent Drainage Device
- ✓ Wireless LCD Remote Control (Standard)
- ✓ Wired LCD Remote Control (Opt.)
- ✓ Deluxe Wired Controller with Weekly Timer (Opt.)
- ✓ Centralized Controller (Opt.)
- ✓ Remote Monitoring Software (Opt.)



OMEGA

DC INVERTER

OTEC  
AIR CONDITIONING

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

ISO 14001 ISO 9001

PIPE RUNS  
UP TO  
100M (330FT)

# OMEGA INVERTER TECHNOLOGY

INVERTER  
TECHNOLOGY  
EXPERT

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

## INDOOR UNIT

| MODEL NO.                           |                           | BECR060<br>Q0A-DWM160                         |               |               |               |
|-------------------------------------|---------------------------|---|---------------|---------------|---------------|
| Cooling Capacity<br>BTU/h (kW)      | Nominal                   | 48,000 (14.0)                                 | 55,000 (16.0) | 60,000 (17.5) | 62,000 (18.2) |
|                                     | Minimum                   | 14,400 (4.2)                                  | 18,500 (4.83) | 18,000 (5.3)  | 18,800 (5.5)  |
|                                     | Maximum                   | 51,200 (15.0)                                 | 58,700 (17.2) | 61,200 (17.9) | 63,800 (18.7) |
| Refrigerant Control                 |                           | Electronic Expansion Valve @ Indoor Unit      |               |               |               |
| Fan                                 | Type                      | Coaxial Turbo Fan                             |               |               |               |
|                                     | Speed / QTY               | 3 Speed / 1 Qty                               |               |               |               |
|                                     | Air Flow CFM (m³/hr) - Hi | 1235 (2100)                                   |               |               |               |
|                                     | Noise Level (dbA) Lo/Hi   | 37/46   |               |               |               |
| Coil Type:                          |                           | Grooved Copper Tubes - Aluminum Blue Slit Fin |               |               |               |
| Air Filter                          |                           | Cleanable Cartridge Type                      |               |               |               |
| Electrical                          | Voltage-Phase-Frequency   | 208~230V-1Ph-50/60Hz                          |               |               |               |
|                                     | Range (min-max)           | min 187 - max 253                             |               |               |               |
|                                     | FLA                       | 1.01  |               |               |               |
|                                     | Power Input (W)           | 180   |               |               |               |
| Controls                            |                           | Wireless Remote Control                       |               |               |               |
| Refrigerant Connections inches (mm) |                           | Liquid: 3/8 (9.52) & Suction: 5/8 (15.9)      |               |               |               |
| Drain Connections inches (mm)       |                           | 1 1/4 (32)                                    |               |               |               |
| Body Dimensions<br>inches (mm)      | Height                    | 11 7/8 (300)                                  |               |               |               |
|                                     | Width                     | 37 3/8 (950)                                  |               |               |               |
|                                     | Depth                     | 37 3/8 (950)                                  |               |               |               |
| Body Net Weight Lbs (kgs)           |                           | 77.8 (35.3)                                   |               |               |               |
| Panel Dimensions<br>inches (mm)     | Height                    | 2 1/8 (55)                                    |               |               |               |
|                                     | Width                     | 41 3/8 (1050)                                 |               |               |               |
|                                     | Depth                     | 41 3/8 (1050)                                 |               |               |               |
| Panel Net Weight Lbs (kgs)          |                           | 16.3 (7.4)                                    |               |               |               |

## OUTDOOR UNIT

| MODEL NO.                              |                         | BCHB050<br>N0A7-DTM140                        | BCHB060<br>N0A8-DTM160 | BCHB070<br>N0A9-DTM190 | BCHB080<br>N0A0-DTM200 |
|--|-------------------------|---|------------------------|------------------------|------------------------|
| Outdoor Fan                            | No of Fans              | 1   | 1                      | 1                      | 1                      |
|  | Noise Level (dbA)       | 56  | 56                     | 56                     | 57                     |
| Coil Type:                             |                         | Grooved Copper Tubes - Aluminum Blue Slit Fin |                        |                        |                        |
| Compressor                             | Rated Amps (RLA)        | 28.0  | 32.0                   | 32.0                   | 32.0                   |
|  | Power Input Nom. (W)    | 3220  | 3800                   | 4700                   | 5950                   |
| Electrical                             | Voltage-Phase-Frequency | 208~230V / 1Ph / 50-60Hz                      |                        |                        |                        |
|  | Range (min-max)         | min 187 - max 253                             |                        |                        |                        |
|  | Min. Circuit Amps (MCA) | 36.01   | 40                     | 40                     | 40                     |
|  | Max Fuse Amps (MOCP)    | 35  | 40                     | 40                     | 40                     |
| Refrigerant R410 (oz./kgs. )           |                         | 112.9 / 3.20                                  | 109.5 / 3.1            | 126.9 / 3.6            | 162.3 / 4.6            |
| Refrigerant Connections<br>inches (mm) | Type                    | Flare   |                        |                        |                        |
|  | Liquid                  | 3/8 (9.52)                                    | 3/8 (9.52)             | 3/8 (9.52)             | 3/8 (9.52)             |
|  | Suction                 | 5/8 (15.9)                                    | 5/8 (15.9)             | 3/4 (19.1)             | 3/4 (19.1)             |
| MAX Pipe Distance Ft.(m)               | Height                  | 82.0 (25)                                     | 82.0 (25)              | 82.0 (25)              | 82.0 (25)              |
|  | Length                  | 164.0 (50)                                    | 333 (100)              | 333 (100)              | 333 (100)              |
| Dimensions<br>inches (mm)              | Height                  | 33 (840)                                      | 33 (840)               | 33 (840)               | 34 (865)               |
|  | Width                   | 37 3/8 (950)                                  | 37 3/8 (950)           | 37 3/8 (950)           | 41 (1040)              |
|  | Depth                   | 17 5/16 (440)                                 | 17 5/16 (440)          | 17 5/16 (440)          | 20 1/2 (523)           |
| Net Weight                             | Lbs (kgs)               | 137 (62.5)                                    | 165 (75)               | 171 (77.5)             | 201 (91)               |

## BECR SERIES

Round-Flow Cassette

VRF Indoor Unit Inverter 50Hz

Cooling Capacity - Min ~ Max: 14,400 ~ 63,800 Btu/h



BECR



BCHB050(60,70)



BCHB080

### 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.
- ODU's installed above IDU 98ft (30m) & ODU's installed below IDU's 66ft (20m)
- For details of model number nomenclature, please refer to publication OMGNM-0221

**OMEGA**  
ENVIRONMENTAL  
TECHNOLOGIES LLC.  
17702 Mitchell North, #101  
Irvine, CA 92614, USA  
Tel: 714 7952830  
Fax: 714 966 1649  
info@omegainverter.com  
www.omegainverter.com



ISO 14001 ISO 9001

**OTEC**  
AIR CONDITIONING  
Showroom & Technology Center  
11380 Interchange Circle North  
Miramar, FL 33025, USA  
Tel: 305 731 2140, 888 840 7550  
Fax: 954 212 8280  
info@otecomega.com  
wwwotecomega.com