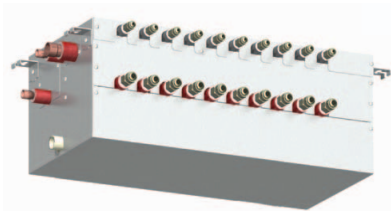


Job Name:

Schedule Reference:

Date:



MAIN BC CONTROLLER FEATURES

- Used with R2-Series and WR2-Series outdoor units only
- Each branch supports 54,000 Btu/h or less
- Reducers are included for indoor units 18,000 Btu/h or less
- Option of connecting up to two Sub (-GB) BC Controllers

OPTIONS

- ☐ Joint Adapter (Port Connector).....CMB-R160C-J
- ☐ Branch Joint (T-Branch).....CMB-Y102SS-G2
- ☐ Condensate Pump (BlueDiamond).....X87-721
- ☐ Condensate Pump (Sauer mann).....SI3100-230
- ☐ Ball Valve (3/8" SAE Flare).....BV38FFSI2
- ☐ Ball Valve (5/8" SAE Flare).....BV58FFSI2
- ☐ Sub BC Controller.....CMB-1016NU-HB*
- ☐ Sub BC Controller.....CMB-P104NU-GB*
- ☐ Sub BC Controller.....CMB-P108NU-GB*

*See Submittal for information on each option.

SPECIFICATIONS

Power

Power Source	208 / 230V, 1 phase, 60Hz
Power Input	
Cooling	0.138 kW
Heating	0.066 kW
Current	
Cooling (208 / 230)	0.66 / 0.60 A
Heating (208 / 230)	0.32 / 0.29 A
Minimum Circuit Ampacity (MCA)	0.83 / 0.75 A
Maximum Overcurrent Protection (MOCP)	15 A

External Finish Galvanized Steel Plate
 Lower Drain Pan: Pre-coated Galvanized Sheets
 with Powder Coating

External Dimensions

Inches 11-7/16 h x 43-3/4 w x 20-1/2 d
 mm 289 h x 1,110 w x 520 d

Net Weight 132 lbs. / 59 kg

Number of Branches 10

Indoor Unit Capacity

Connectable to one Branch

- Model P54 or smaller
- Use optional port connector combining two branches when the total unit capacity exceeds 55,000 Btu/h.
- Use the reducer (standard accessory) when an indoor unit of 18,000 Btu/h or smaller is connected.

Refrigerant R410A

Refrigerant Piping Diameter

To Outdoor and Water-source Units

P72

High Pressure Pipe 5/8" / 15.88 mm Braze
 Low Pressure Pipe 3/4" / 19.05 mm Braze

P96

High Pressure Pipe 3/4" / 19.05 mm Braze
 Low Pressure Pipe 7/8" / 22.2 mm Braze

P120

High Pressure Pipe 3/4" / 19.05 mm Braze
 Low Pressure Pipe 1-1/8" / 28.58 mm Braze

P144/P168/P192

High Pressure Pipe 7/8" / 22.2 mm Braze
 Low Pressure Pipe 1-1/8" / 28.58 mm Braze

P216/P240

High Pressure Pipe 1-1/8" / 28.58 mm Braze
 Low Pressure Pipe 1-1/8" / 28.58 mm Braze

To Indoor Unit

Liquid Pipe 3/8" / 9.52 mm Flare
 (1/4" / 6.35 mm with attached reducer used)
 Gas Pipe 5/8" / 15.88 mm Flare
 (1/2" / 12.7 mm with attached reducer used,
 3/4" / 19.05 mm and 7/8" / 22.2 mm
 with optional port connector used)

To Sub BC Controller

Total indoor unit capacity ≤ 72,000 Btu/h

High Pressure Pipe 5/8" / 15.88 mm Braze
 Low Pressure Pipe 3/4" / 19.05 mm Braze
 Liquid Pipe 3/8" / 9.52 mm Braze

Total indoor unit capacity between 73,000 and 108,000 Btu/h

High Pressure Pipe 3/4" / 19.05 mm Braze
 Low Pressure Pipe 7/8" / 22.2 mm Braze
 Liquid Pipe 3/8" / 9.52 mm Braze

Total indoor unit capacity between 109,000 and 126,000 Btu/h

High Pressure Pipe 3/4" / 19.05 mm Braze
 Low Pressure Pipe 1-1/8" / 28.58 mm Braze
 Liquid Pipe 1/2" / 12.7 mm Braze

Drainpipe O.D. 1-1/4" / 32 mm

Notes:

