CITY**MULTI**® **Model: CMB-P108NU-GA** MITSUBISHI ELECTRIC

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).....CMY-R160C-J
- ☐ Branch Joint (T-Branch).....CMY-Y102SS-G2
- ☐ Condensate Pump (BlueDiamond).....X87-721
- ☐ Condensate Pump (Sauermann).....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 . . . . . 0.112 kW
  Heating . . . . . 0.053 kW
Current
  Cooling (208 / 230) . . . . . 0.54 / 0.49 A
  Heating (208 / 230) . . . . . 0.25 / 0.23 A
Minimum Circuit Ampacity (MCA) . . . . . 0.68 / 0.61 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 . . . . . 122 lbs. / 55 kg

Number of Branches 8

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 Brazed
  Low Pressure Pipe . . . . . 3/4" / 19.05 mm Brazed

  P96
  High Pressure Pipe. . . . . 3/4" / 19.05 mm Brazed
  Low Pressure Pipe . . . . . 7/8" / 22.2 mm Brazed

  P120
  High Pressure Pipe. . . . . 3/4" / 19.05 mm Brazed
  Low Pressure Pipe . . . . . 1-1/8" / 28.58 mm Brazed

  P144/P168/P192
  High Pressure Pipe. . . . . 7/8" / 22.2 mm Brazed
  Low Pressure Pipe . . . . . 1-1/8" / 28.58 mm Brazed

  P216/P240
  High Pressure Pipe. . . . . 1-1/8" / 28.58 mm Brazed
  Low Pressure Pipe . . . . . 1-1/8" / 28.58 mm Brazed

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 Brazed
  Low Pressure Pipe . . . . . 3/4" / 19.05 mm Brazed
  Liquid Pipe . . . . . 3/8" / 9.52 mm Brazed

  Total indoor unit capacity between 73,000 to 108,000 Btu/h connected to this Sub BC Controller
  High Pressure Pipe. . . . . 3/4" / 19.05 mm Brazed
  Low Pressure Pipe . . . . . 7/8" / 22.2 mm Brazed
  Liquid Pipe . . . . . 3/8" / 9.52 mm Brazed

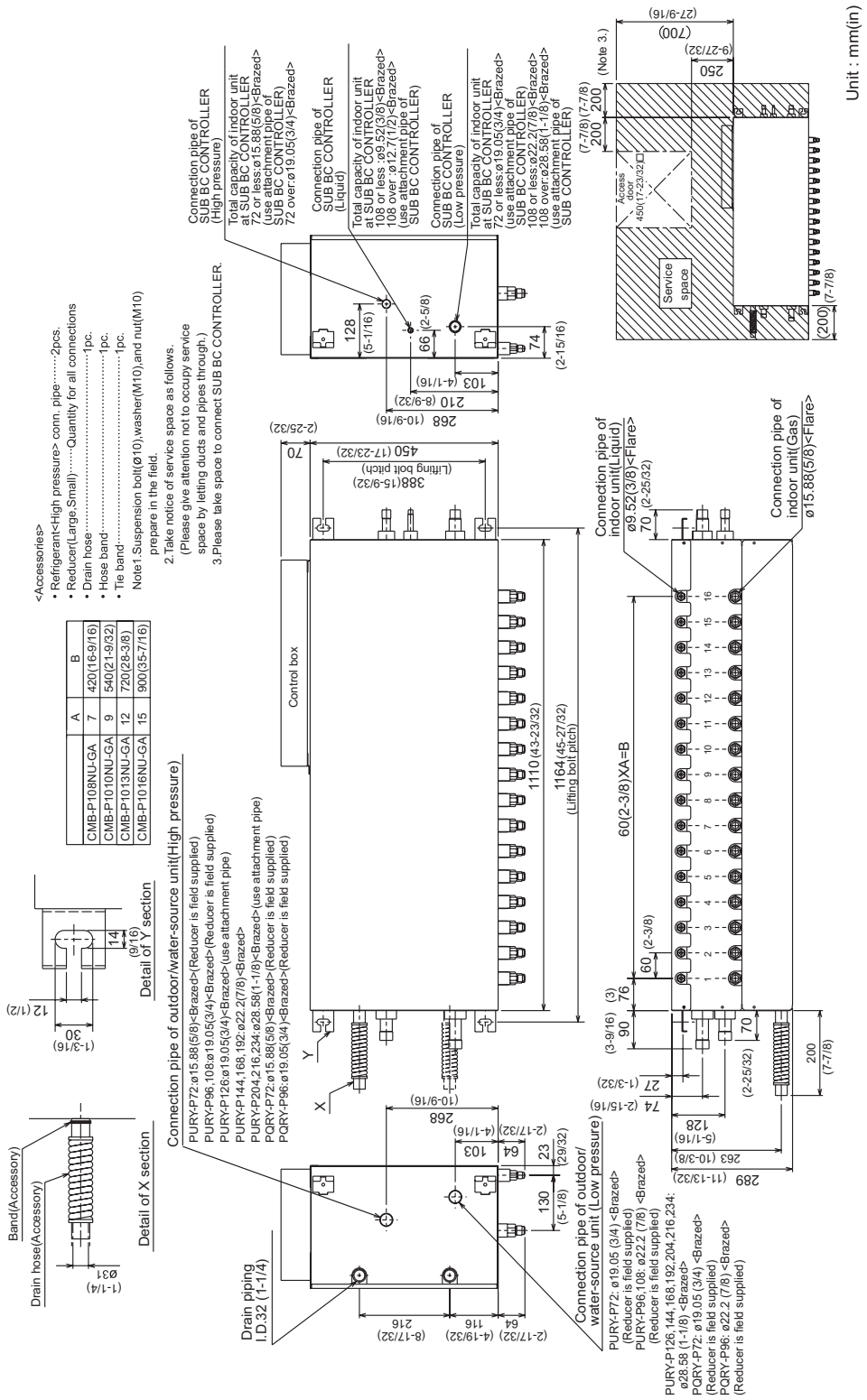
  Total indoor unit capacity between 109,000 to 126,000 Btu/h
  High Pressure Pipe. . . . . 3/4" / 19.05 mm Brazed
  Low Pressure Pipe . . . . . 1-1/8" / 28.58 mm Brazed
  Liquid Pipe . . . . . 1/2" / 12.7 mm Brazed

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

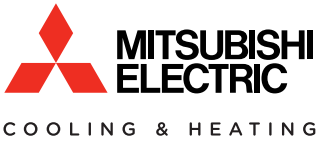
Notes:

Specifications are subject to change without notice.
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Model: CMB-P108NU-GA – DIMENSIONS







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