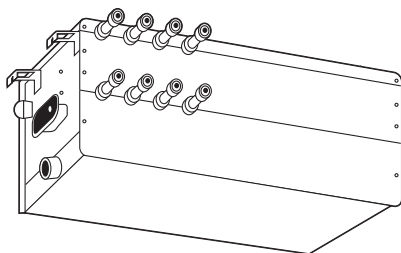


Job Name:

Schedule Reference:

Date:



SUB BC CONTROLLER FEATURES

- Requires connection to a Main (-GA) BC Controller
- Used with R2-Series outdoor units only
- Each branch supports 54,000 Btu/h or less
- Sizes 4- and 8- branch options
- Maximum indoor capacity connected to sub BC controller is 126,000 Btu/h
- Reducers is necessary for indoor units 18,000 Btu/h or less

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

SPECIFICATIONS

Power

Power Source	.208/230V, 1 phase, 60Hz
Power Input	
Cooling	0.053 kW
Heating	0.027 kW
Current	
Cooling (208/230)	0.25 / 0.23 A
Heating (208/230)	0.13 / 0.12 A
Minimum Circuit Ampacity (MCA) (208/230)	.0.32 / 0.29 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	.11-13/32 h x 25-17/32 w x 17-1/32 d
mm	.289 h x 648 w x 432 d

Net Weight 62 lbs / 28 kg

Number of Branches 4

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 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 Main BC Controller

Total indoor unit capacity ≤ 72,000 Btu/h connected to this
Sub BC Controller
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

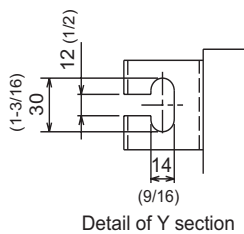
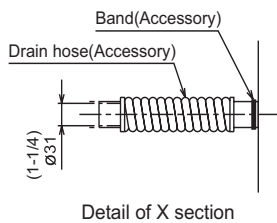
Total indoor capacity between 73,000 and 108,000 Btu/h
connected to this Sub BC Controller
High Pressure Pipe 3/4" / 19.05 mm brazed
Low Pressure Pipe 7/8" / 22.2 mm brazed
Liquid Pipe 3/8" / 9.52 mm brazed

Total indoor capacity between 109,000 and 126,000 Btu/h
connected to this Sub BC Controller
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:

Model: CMB-P104NU-GB – DIMENSIONS



<Accessories>

- Refrigerant<Low pressure> conn. pipe..... 4pcs.
- Refrigerant<High pressure> conn. pipe..... 2pcs.
- Refrigerant<Liquid> conn. pipe..... 2pcs.
- Reducer(Large,Small).....Quantity for all connections
- Drain hose.....1pc.
- Hose band.....1pc.
- Tie band.....1pc.

Note1.Suspension bolt(Ø10),washer(M10),and nut(M10)

prepare in the field.

2.Take notice of service space as follows.

(Please give attention not to occupy service space by letting ducts and pipes through.)

3.Can't use singleness.(MAIN BC CONTROLLER is necessary.)

Connection pipe of MAIN BC CONTROLLER

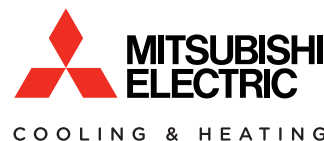
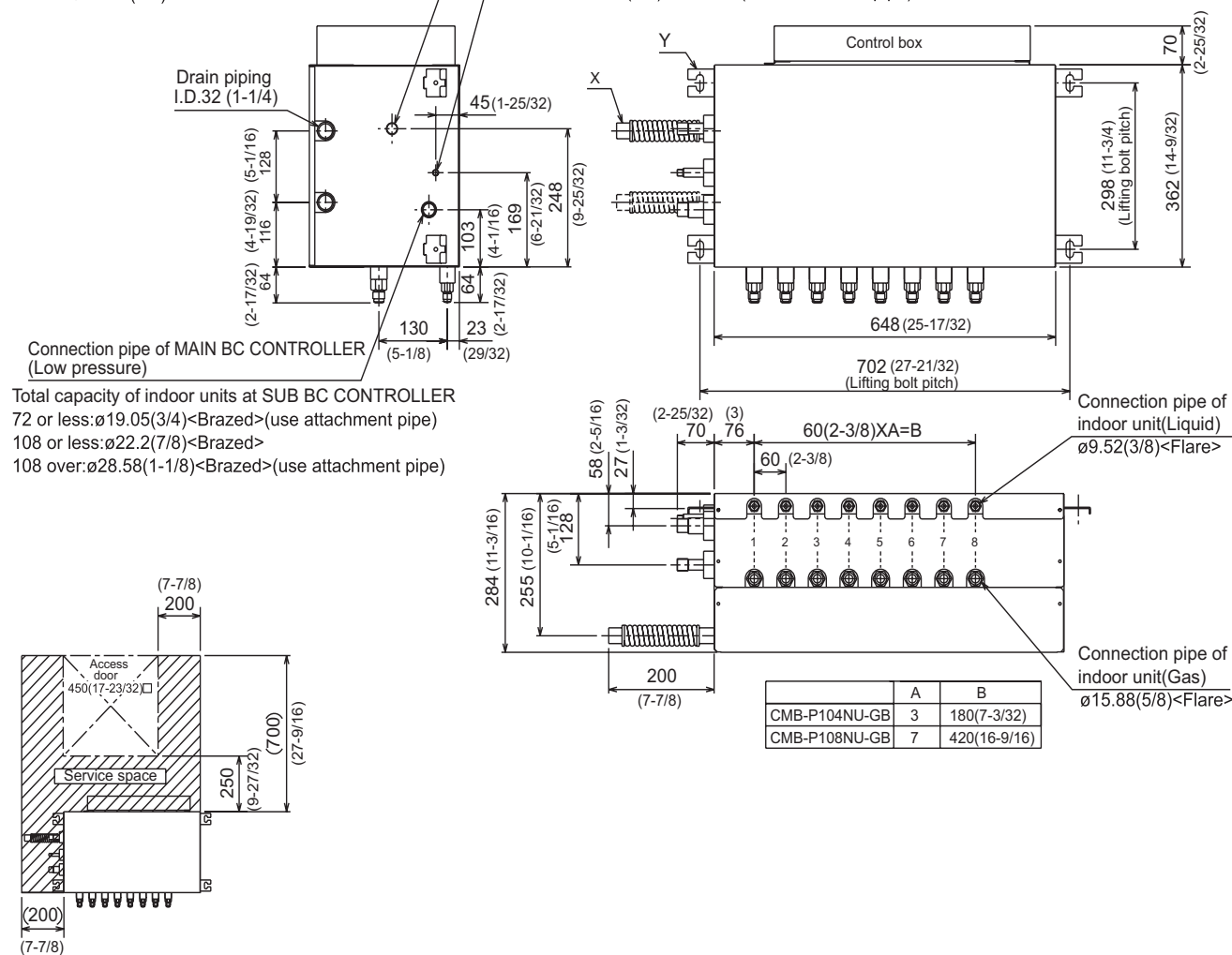
(High pressure)

Total capacity of indoor units at SUB BC CONTROLLER
72 or less:Ø15.88(5/8)<Brazed>(use attachment pipe)
72 over:Ø19.05(3/4)<Brazed>

Connection pipe of MAIN BC CONTROLLER(Liquid)

Total capacity of indoor units at SUB BC CONTROLLER
108 or less:Ø9.52(3/8)<Brazed>
108 over:Ø12.7(1/2)<Brazed>(use attachment pipe)

Unit : mm(in)



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