

Job Name:

Schedule Reference:

Date:

**Accessories****Branch pipe (Joint) - Between BC and indoor units**

CMY-Y102SS-G2 - Total down-stream indoor unit capacity: -P72
 CMY-Y102LS-G2 - Total down-stream indoor unit capacity: P73-P96

Joint and Reducer - Between Main BC and Sub BC

CMY-R201S-G - Total down-stream indoor unit capacity: -P126
 CMY-R202S-G - Total down-stream indoor unit capacity: P127-P216
 CMY-R203S-G - Total down-stream indoor unit capacity: P217-P234
 CMY-R204S-G - Total down-stream indoor unit capacity: P235-P360
 CMY-R205S-G - Total down-stream indoor unit capacity: P361-

Reducer - Between outdoor units and BC

CMY-R302S-G1 - JA2 type (Outdoor unit capacity: P72-P336)

Reducer - Between Main BC and Sub BC

CMY-R303S-G1 - JA2 type (When using the Sub BC controller)

Model			CMB-P108NU-JA2				
Number of branch			8				
Power source			1-phase 208-230 V - 60 Hz				
Power input (208/230)	Cooling [Heating]	kW	0.137/0.176 [0.076/0.098]				
Current input (208/230)	Cooling [Heating]	A	0.66/0.77 [0.37/0.43]				
MCA (208/230) (*)		A	0.83/0.97				
External finish			Galvanized steel plate (Lower part drain pan: Pre-coated galvanized sheets + powder coating)				
Connectable outdoor/heat source unit capacity			P72 to P336				
Indoor unit capacity connectable to 1 branch *11			Model P54 or smaller (Use optional joint pipe combing 2 branches when the total unit capacity exceeds P55.)				
External dimension H x W x D		mm [in.]	250 x 911 x 545 [9-7/8 x 35-7/8 x 21-1/2]				
	To outdoor/heat source unit		Connectable unit capacity		High press. pipe	Low press. pipe	
	*12	mm (in.) O.D.	P72		15.88 (5/8) Brazed	19.05 (3/4) Brazed	
		mm (in.) O.D.	P96		19.05 (3/4) Brazed	22.2 (7/8) Brazed	
		mm (in.) O.D.	P120		19.05 (3/4) Brazed	22.2 (7/8) Brazed or 28.58 (1-1/8) Brazed	
		mm (in.) O.D.	P144 to P192		22.2 (7/8) Brazed	28.58 (1-1/8) Brazed	
	*12	mm (in.) O.D.	P216		22.2 (7/8) Brazed or 28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	
		mm (in.) O.D.	P240		22.2 (7/8) Brazed or 28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed	
	*12	mm (in.) O.D.	P264 to P288		28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed	
		mm (in.) O.D.	P312		28.58 (1-1/8) Brazed	34.93 (1-3/8) Brazed or 41.28 (1-5/8) Brazed	
		mm (in.) O.D.	P336		28.58 (1-1/8) Brazed	41.28 (1-5/8) Brazed	
		To indoor unit		Liquid pipe		Gas pipe	
		mm (in.) O.D.	Indoor unit Model 18 or smaller 6.35 (1/4) Brazed bigger than 18 9.52 (3/8) Brazed		Indoor unit Model 18 or smaller 12.7 (1/2) Brazed bigger than 18 15.88 (5/8) Brazed (19.05 (3/4), 22.2 (7/8) with optional joint pipe used.)		
	To other BC controller		Total down-stream Indoor unit capacity	High press. pipe	Liquid pipe	Low press. pipe	
		mm (in.) O.D.	to P72	15.88 (5/8) Brazed	9.52 (3/8) Brazed	19.05 (3/4) Brazed	
		mm (in.) O.D.	P73 to P108	19.05 (3/4) Brazed	9.52 (3/8) Brazed	22.2 (7/8) Brazed	
		mm (in.) O.D.	P109 to P126	19.05 (3/4) Brazed	12.7 (1/2) Brazed	28.58 (1-1/8) Brazed	
		mm (in.) O.D.	P127 to P144	22.2 (7/8) Brazed	12.7 (1/2) Brazed	28.58 (1-1/8) Brazed	
		mm (in.) O.D.	P145 to P216	22.2 (7/8) Brazed	15.88 (5/8) Brazed	28.58 (1-1/8) Brazed	
		mm (in.) O.D.	P217 to P234	28.58 (1-1/8) Brazed	15.88 (5/8) Brazed	28.58 (1-1/8) Brazed	
		mm (in.) O.D.	P235 to P288	28.58 (1-1/8) Brazed	19.05 (3/4) Brazed	34.93 (1-3/8) Brazed	
		mm (in.) O.D.	P289 to P360	28.58 (1-1/8) Brazed	19.05 (3/4) Brazed	41.28 (1-5/8) Brazed	
		mm (in.) O.D.	P361 or above	34.93 (1-3/8) Brazed	19.05 (3/4) Brazed	41.28 (1-5/8) Brazed	
	Field drain pipe size		in.	3/4 NPT			
	Net weight		kg (lbs)	48 (106)			
	Sound power level (measured in anechoic room)		dB <A>	69			
		Defrost	dB <A>	74			

Notes:

1. Installation/foundation work, electrical connection work, insulation work, power source switch, and other items shall be referred to the Installation Manual.
2. The equipment is for R410A refrigerant.
3. Install this product in a location where noise (refrigerant noise) emitted by the unit will not disturb the neighbors.
(For use in quiet environments with low background noise, position the BC CONTROLLER at least 5m away from any indoor units.)
4. Sound pressure/power level differs depending on the connected outdoor/heat source unit capacity or operation condition. The sound pressure/power level at the rated operation is the value of the cooling mode.
5. The sound pressure/power level values were obtained in an anechoic room. Actual sound pressure level is usually greater than that measured in anechoic room due to ambient noise and deflection sound.
6. The sound pressure level values were obtained at the location below 1.5m from the unit.
7. The solenoid valve switching sound is 56 dB (sound pressure level) regardless of the unit model.
8. Refrigerant piping diameter for connection of plural indoor units with 1 branch shall be referred to the Installation Manual
9. This unit is not designed for outside installations.
10. When brazing the pipes, be sure to braze, after covering a wet cloth to the insulation pipes of the units in order to prevent it from burning and shrinking by heat.
11. Indoor unit capacity connectable to 1 branch is changed depending on the indoor unit type and connection method. Please refer to the Installation Manual for more information
12. For the refrigerant pipe size, refer to Installation Manual of outdoor units/heat source units.

Note: Mitsubishi Electric (MESCA) supports the use of only MESCA supplied and approved accessories for proper functioning of the unit(s). Use of non-MESCA supported accessories will affect warranty coverage.

Specifications are subject to change without notice.

Module: CMB-P108NU-JA2- DIMENSIONS

Unit: mm (in.)

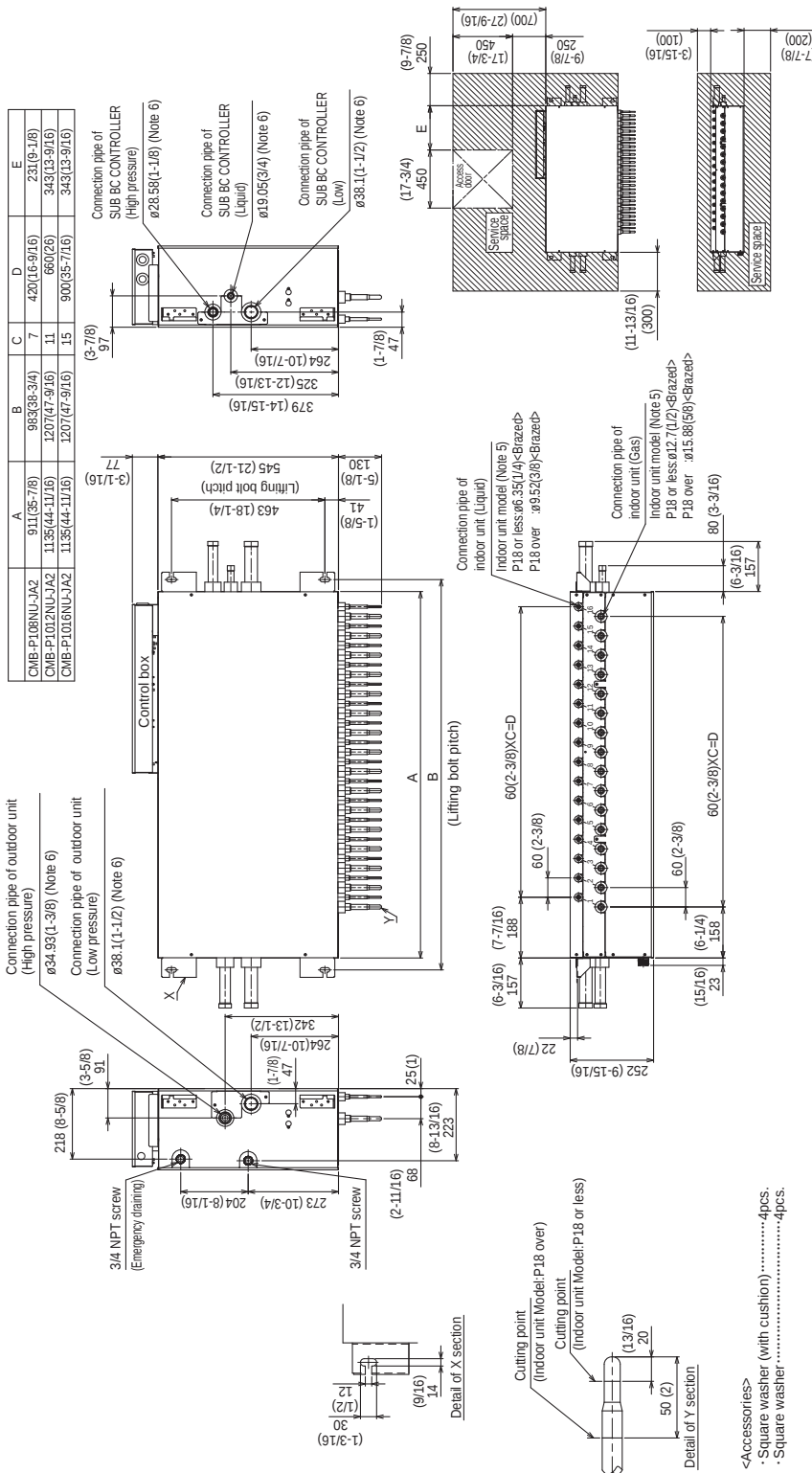


Table 2. To other BC controller (Note 6)

Total downstream Indoor unit capacity	High press. Pipe	Liquid Pipe	Low press. Pipe
P72	ø15.88(5/8)	ø9.52(3/8)	ø19.05(3/4)
P73-108	ø19.05(3/4)	ø9.52(3/8)	ø22.2(7/8)
P109-126	ø19.05(3/4)	ø12.7(1/2)	ø28.58(1-1/8)
P127-144	ø22.2(7/8)	ø12.7(1/2)	ø28.58(1-1/8)
P145-216	ø22.2(7/8)	ø15.88(5/8)	ø28.58(1-1/8)
P217-234	ø28.58(1-1/8)	ø15.88(5/8)	ø28.58(1-1/8)
P235-288	ø28.58(1-1/8)	ø19.05(3/4)	ø34.93(1-3/8)
P289~	ø28.58(1-1/8)	ø19.05(3/4)	ø41.28(1-5/8)

Table 1. To outdoor/heat source unit (Note 6)

Connectable unit capacity	High press. Pipe	Low press. Pipe
P72	ø15.88(5/8)	ø19.05(3/4)
P96	ø19.05(3/4)	ø22.2(7/8)
P120	ø19.05(3/4)	ø22.2(7/8) or ø28.58(1-1/8)
P144 to P192	ø22.2(7/8)	ø28.58(1-1/8)
P216	ø22.2(7/8) or ø28.58(1-1/8)	ø28.58(1-1/8)
P240	ø22.2(7/8) or ø28.58(1-1/8)	ø34.93(1-3/8)
P264 to P288	ø28.58(1-1/8)	ø34.93(1-3/8) or ø41.28(1-5/8)
P312	ø28.58(1-1/8)	ø41.28(1-5/8)
P336	ø28.58(1-1/8)	ø41.28(1-5/8)

*For the refrigerant pipe size, refer to Installation Manual of outdoor units/heat source units.

Note 1. Suspension bolt(ø10) and nut(M10) prepare in the field.

2. Take notice of service space as shown.

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

4. Install this product in a location where noise (refrigerant noise) emitted by the unit will not disturb the neighbors.

5. Refer to the Installation Manual for refrigerant piping diameter size (For use in quiet environments with low background noise, position the BC CONTROLLER at least 5m away from any indoor units.)

6. Refer to the Table-1.2 connection pipe of outdoor unit when connecting plural indoor units with 1 branch.

7. Refer to the Table-1.2 connection pipe of outdoor unit or SUB BC CONTROLLER diameter size.

8. Refer to the Installation Manual for insulation of connection pipe and drain piping.

9. Do not place the BC controller directly on the floor.

<Accessories>

• Square washer (with cushion).....4pcs.

• Square washer.....4pcs.

