

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

Reducer - Between outdoor units and BC

CMY-R301S-G

For J1 type (Outdoor unit capacity: P72-P120)

Model			CMB-P104NU-J1		
Number of branch			4		
Power source			1-phase 208-230 V		
			60 Hz		
Power input (208/230)	Cooling	kW	0.061/0.078		
	Heating	kW	0.300/0.039		
Current input (208/230)	Cooling	A	0.30/0.35		
	Heating	A	0.15/0.18		
MCA (208V/230V) (*)		A	0.38/0.44		
External finish			Galvanized steel plate (Lower part drain pan: Pre-coated galvanized sheets + powder coating)		
Connectable outdoor/heat source unit capacity			P72 to P120		
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	250 x 596 x 398		
		in.	9-7/8 x 23-1/2 x 15-11/16		
Refrigerant piping diameter	To outdoor/heat source unit	Connectable unit capacity		High press. pipe	Low press. pipe
		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
	*12	mm (in.) O.D.	P120	19.05 (3/4) Brazed	22.2 (7/8) Brazed or 28.58 (1-1/8) Brazed
		Liquid pipe		Gas pipe	
	To indoor unit	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.)
Field drain pipe size		in.	3/4 NPT		
Net weight		kg (lbs)	26 (58)		
Sound power level (measured in anechoic room)	Rated operation	dB <A>	59		
	Defrost	dB <A>	71		
Sound pressure level (measured in anechoic room)	Rated operation	dB <A>	40		
	Defrost	dB <A>	53		

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.

Specifications are subject to change without notice.

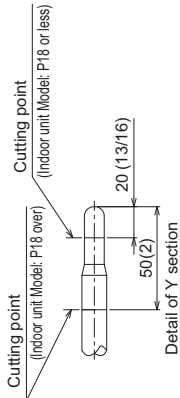
Note: Mitsubishi Electric (MESCA) supports the use of only MESCA supplied and approved accessories for proper functioning of the unit(s). Use of non-MESCA supported accessories will affect warranty coverage.

* All electrical work shall comply with National (CEC) and local codes and regulations. Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.

Module: CMB-P104NU-J1 - DIMENSIONS

Unit: mm (in.)

- 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. (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 Installation Manual for refrigerant piping diameter size when connecting plural indoor units with 1 branch.
 7. Refer to the Table-1 for connection pipe of outdoor unit 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.



Detail of X section

Connection pipe of outdoor unit (High pressure)
 ø19.05 (3/4) (Note 5)

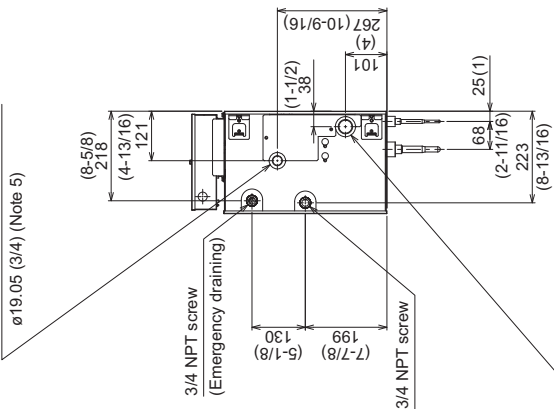
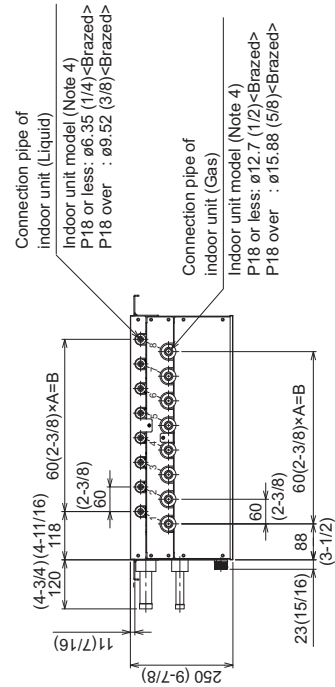
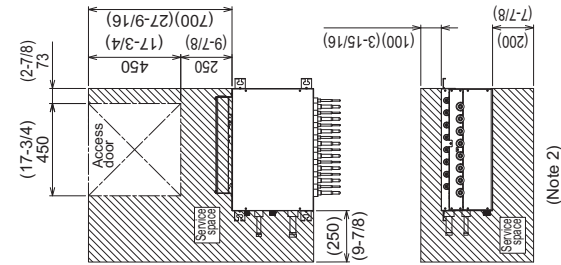


Table-1. To outdoor/heat source unit (Note-5)

Connectable unit capacity	High press. Pipe	Low press. Pipe
P72	ø15.88 (5/8)	ø19.05 (3/4)
P96	ø15.88 (5/8)	ø22.2 (7/8)
P120	ø19.05 (3/4)	ø22.2 (7/8) or ø28.58 (1-1/8) *

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



A	B
CMB-P104NU-J1	3 180 (7-1/8)
CMB-P106NU-J1	5 300 (11-13/16)
CMB-P108NU-J1	7 420 (16-9/16)

