

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-P1012NU-JA2			
Number of branch			12			
Power source			1-phase 208-230 V - 60 Hz			
Power input (208/230)	Cooling [Heating]	kW	0.198/0.255 [0.106/0.137]			
Current input (208/230)	Cooling [Heating]	A	0.95/0.11 [0.52/0.60]			
MCA (208/230) (*)		A	1.19/1.39			
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 1,135 x 545 [9-7/8 x 44-11/16 x 21-1/2]			
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
			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
			*12 mm (in.) O.D.	P240	22.2 (7/8) BraZed or 28.58 (1-1/8) BraZed	34.93 (1-3/8) BraZed
			mm (in.) O.D.	P264 to P288	28.58 (1-1/8) BraZed	34.93 (1-3/8) BraZed
			*12 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	9.52 (3/8) BraZed	19.05 (3/4) BraZed
			mm (in.) O.D.	P73 to P108	9.52 (3/8) BraZed	22.2 (7/8) BraZed
			mm (in.) O.D.	P109 to P126	12.7 (1/2) BraZed	28.58 (1-1/8) BraZed
			mm (in.) O.D.	P127 to P144	12.7 (1/2) BraZed	28.58 (1-1/8) BraZed
			mm (in.) O.D.	P145 to P216	15.88 (5/8) BraZed	28.58 (1-1/8) BraZed
			mm (in.) O.D.	P217 to P234	15.88 (5/8) BraZed	28.58 (1-1/8) BraZed
			mm (in.) O.D.	P235 to P288	19.05 (3/4) BraZed	34.93 (1-3/8) BraZed
			mm (in.) O.D.	P289 to P360	19.05 (3/4) BraZed	41.28 (1-5/8) BraZed
			mm (in.) O.D.	P361 or above	19.05 (3/4) BraZed	41.28 (1-5/8) BraZed
Field drain pipe size		in.	3/4 NPT			
Net weight		kg (lbs)	60 (133)			
Sound power level (measured in anechoic room)		dB <A>	69			
	Defrost	dB <A>	74			

Notes:

- Installation/foundation work, electrical connection work, insulation work, power source switch, and other items shall be referred to the Installation Manual.
- The equipment is for R410A refrigerant.
- 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.)
- 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.
- 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.
- The sound pressure level values were obtained at the location below 1.5m from the unit.
- The solenoid valve switching sound is 56 dB (sound pressure level) regardless of the unit model.
- Refrigerant piping diameter for connection of plural indoor units with 1 branch shall be referred to the Installation Manual
- This unit is not designed for outside installations.
- 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.
- 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
- For the refrigerant pipe size, refer to Installation Manual of outdoor units/heat source units.

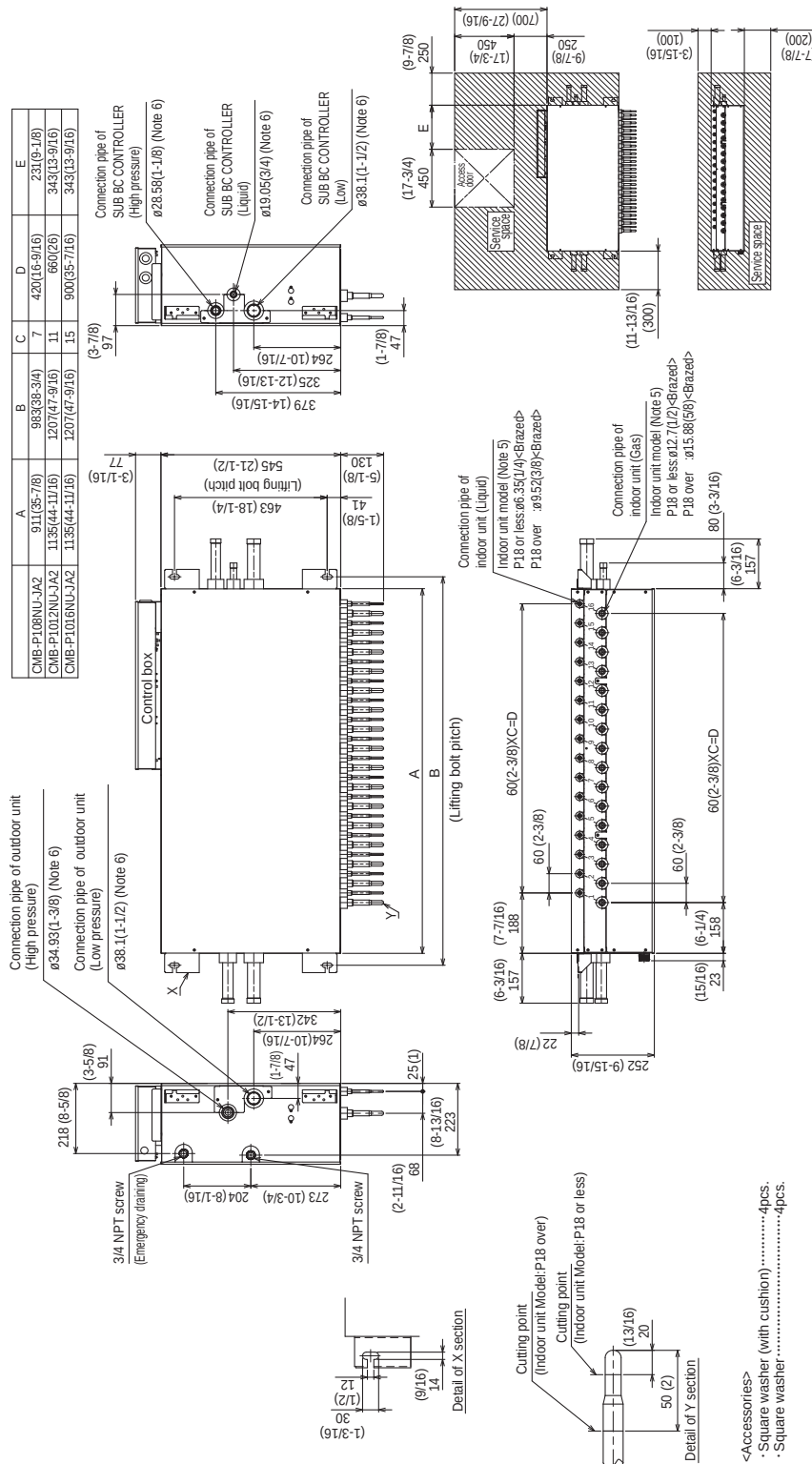
Specifications are subject to change without notice.

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.

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.

Unit: mm (in.)

	A	B	C	D	E
CMB-P102NU-JA2	911(35-78)	983(38-34)	7	420(16-9/16)	231(9-1/8)
CMB-P1012U-JA2	1135(44-11/16)	1207(47-9/16)	11	660(26)	343(13-9/16)
CMB-P1018NU-JA2	1135(44-11/16)	1207(47-9/16)	15	900(35-7/16)	343(13-9/16)



- Square washer
- Square washer

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

2. Take notice of service space as shown in the photo.
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 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. Do not place the BC controller for insulation of connection pipe and drain piping.

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

Connectable unit capacity	High press. Pipe	Low press. Pipe
P72	$\phi 15.88(5/8)$	$\phi 19.05(3/4)$
P96	$\phi 19.05(3/4)$	$\phi 22.27(7/8)$
P120	$\phi 19.05(3/4)$	$\phi 22.27(7/8)$ or $\phi 28.58(1-1/8)$
P144 to P192	$\phi 22.27(7/8)$	$\phi 28.58(1-1/8)$
P216	$\phi 22.27(7/8)$ or $\phi 28.58(1-1/8)$	$\phi 28.58(1-1/8)$
P240	$\phi 22.27(7/8)$ or $\phi 28.58(1-1/8)$	$\phi 34.93(1-3/8)$
P264 to P288	$\phi 28.58(1-1/8)$	$\phi 34.93(1-3/8)$
P312	$\phi 28.58(1-1/8)$	$\phi 34.93(1-3/8)$ or $\phi 41.28(1-5/8)$
P336	$\phi 28.58(1-1/8)$	$\phi 41.28(1-5/8)$

F-330	Ø26.56(1-1/8)	Ø41.25(1-5/8)
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*For the refrigerant pipe size, refer to Installation Manual of outdoor units/heat source units.

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)	ø22.27(7/8)
P109-126	ø19.05(3/4)	ø12.7(1/2)	ø28.58(1 1/8)
P127-144	ø22.27(7/8)	ø12.7(1/2)	ø28.58(1 1/8)
P145-216	ø22.27(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)
P235-268	ø28.58(1 1/8)	ø19.05(3/4)	ø34.93(1 3/8)
P269-288	ø28.58(1 1/8)	ø19.05(3/4)	ø41.98(1 5/8)

