

Job Name:

Schedule Reference:

Date:

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

CMY-Y102S5-G2 Total down-stream indoor unit capacity: -P72

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

Reducer - Between Main BC and Sub BC

CMY-R306S-G For KB1 type

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-

Model			CMB-P108NU-KB2				
Number of branch			8				
Power source			1-phase 208-230 V - 60 Hz				
Power input (208/230)	Cooling	kW	0.122/0.157				
	Heating	kW	0.061/0.078				
Current input (208/230)	Cooling	A	0.59/0.69				
	Heating	A	0.30/0.35				
MCA (208V/230V) (*)		A	0.74/0.87				
External finish			Galvanized steel plate (Lower part drain pan: Pre-coated galvanized sheets + powder coating)				
Connectable Main BC controller			CMB-P108/1012/1016NU-JA2, CMB-P1016NU-KA2				
The maximum number of connectable Sub BC controller			11				
The maximum connectable capacity of indoor units			P126 for each				
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.		-	-	
	To indoor unit		Liquid pipe		Gas pipe		
			mm (in.) O.D.		Indoor unit Model 18 or smaller 6.35 (1/4) Braze bigger than 18 9.52 (3/8) Braze		Indoor unit Model 18 or smaller 12.7 (1/2) Braze bigger than 18 15.88 (5/8) Braze (19.05 (3/4) 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) Braze	9.52 (3/8) Braze	19.05 (3/4) Braze
			mm (in.) O.D.	P73 to P108	19.05 (3/4) Braze	9.52 (3/8) Braze	22.2 (7/8) Braze
			mm (in.) O.D.	P109 to P126	19.05 (3/4) Braze	12.7 (1/2) Braze	28.58 (1-1/8) Braze
			mm (in.) O.D.	P127 to P144	22.2 (7/8) Braze	12.7 (1/2) Braze	28.58 (1-1/8) Braze
			mm (in.) O.D.	P145 to P216	22.2 (7/8) Braze	15.88 (5/8) Braze	28.58 (1-1/8) Braze
			mm (in.) O.D.	P217 to P234	28.58 (1-1/8) Braze	15.88 (5/8) Braze	28.58 (1-1/8) Braze
			mm (in.) O.D.	P235 to P288	28.58 (1-1/8) Braze	19.05 (3/4) Braze	34.93 (1-3/8) Braze
			mm (in.) O.D.	P289 to P360	28.58 (1-1/8) Braze	19.05 (3/4) Braze	41.28 (1-5/8) Braze
	mm (in.) O.D.	P361 or above	34.93 (1-3/8) Braze	19.05 (3/4) Braze	41.28 (1-5/8) Braze		
Field drain pipe size		in.		3/4 NPT			
Net weight		kg (lbs)		29 (64)			
Sound power level (measured in anechoic room)	Rated operation	dB <A>		59			
	Defrost	dB <A>		71			

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

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.

Unit: mm (in.)

Note 1. Suspension bolt(ø10) and nut(M10) prepare in the field.
Note 2. Take notice of service space as shown.
 (Please give attention not to occupy service space by letting ducts and pipes through.)
Note 3. Can't use singleness. (MAIN BC CONTROLLER is necessary.)
Note 4. 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.)
Note 5. Refer to the Installation Manual for refrigerant piping diameter size when connecting plural indoor units with 1 branch.
Note 6. Refer to the Table-1 for connection pipe of MAIN BC CONTROLLER.
Note 7. Refer to the Installation Manual for insulation of connection pipe and drain piping.
Note 8. Do not place the BC controller directly on the floor.

Table-1. 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)
P289~360	ø28.58(1-1/8)	ø19.05(3/4)	ø41.28(1-5/8)
P361~	ø34.93(1-3/8)	ø19.05(3/4)	ø41.28(1-5/8)

Connection pipe of MAIN BC CONTROLLER (High pressure)
 ø19.05(3/4) (Note 6)

Connection pipe of MAIN BC CONTROLLER (Liquid)
 ø15.88(5/8) (Note 6)

Connection pipe of MAIN BC CONTROLLER (Low pressure)
 ø28.58(1-1/8) (Note 6)

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~P72	ø15.88(5/8)	ø9.52(3/8)	ø19.05(3/4)
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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)
P289~360	ø28.58(1-1/8)	ø19.05(3/4)	ø41.28(1-5/8)
P361~	ø34.93(1-3/8)	ø19.05(3/4)	ø41.28(1-5/8)

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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)
P289~360	ø28.58(1-1/8)	ø19.05(3/4)	ø41.28(1-5/8)
P361~	ø34.93(1-3/8)	ø19.05(3/4)	ø41.28(1-5/8)

Connection pipe of MAIN BC CONTROLLER (High pressure)
 ø19.05(3/4) (Note 6)

Connection pipe of MAIN BC CONTROLLER (Liquid)
 ø15.88(5/8) (Note 6)

Connection pipe of MAIN BC CONTROLLER (Low pressure)
 ø28.58(1-1/8) (Note 6)

	A	B
CMB-P104NU-KB2	3	180(7-1/8)
CMB-P108NU-KB2	7	420(16-9/16)

Connection pipe of MAIN BC CONTROLLER (High pressure)
 ø19.05(3/4) (Note 6)

Connection pipe of MAIN BC CONTROLLER (Liquid)
 ø15.88(5/8) (Note 6)

Connection pipe of MAIN BC CONTROLLER (Low pressure)
 ø28.58(1-1/8) (Note 6)

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Table-1. To other BC controller (Note 6)

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