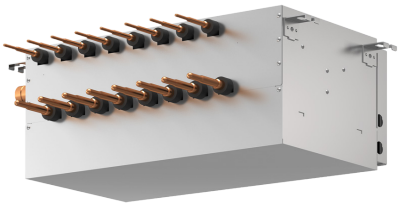
CITYMULTI®

Main BC Controller: CMB-P1016NU-HA1

MITSUBISHI ELECTRIC

Job Name:	
System Reference:	Date:



SAMPLE IMAGE FOR REFERENCE

ACCESSORIES:

- □ Joint Kit.....CMY-R160-J1
- □ Branch Joint (T-Branch).....CMY-Y102SS-G2
- □ Condensate Pump (BlueDiamond).....X87-721
- □ Condensate Pump (Sauermann).....SI3100-230
- □ Ball Valve (3/8" SAE Brazed).....BV38BBSI
- □ Ball Valve (5/8" SAE Brazed).....BV58BBSI
- □ Sub BC Controller.....CMB-1016NU-HB1*
- □ Sub BC Controller.....CMB-104NU-GB1*
- □ Sub BC Controller.....CMB-108NU-GB1*

*See Submittal for information on each option.

SPECIFICATIONS:

Indoor Unit Capacity Connectable To 1 Branch	Btu/h	54,000
Number Of Branches	16	
Electrical Requirements		
Electrical Power Requirements	208 / 230V, 1 phase, 60Hz	
Minimum Circuit Ampacity (MCA)	A	1.65 / 1.93
Power Input (208 / 230V)		
Cooling	kW	0.274 / 0.353
Heating		0.137 / 0.177
Current Input (208 / 230V)		
Cooling	A	1.32 / 1.54
Heating		0.66 / 0.77
External Dimensions	In.(mm)	11-7/16 x 43-3/4 x 20-1/2 (289 x 1,110 x 520)
Net Weight	Lbs.(kg)	172 (78)
External Finish	Galvanized steel plate	

Refrigerant Piping Diameter to Indoor Unit (Brazed)			
		Liquid	Gas
less than 18,000 Btu/h	In.(mm)	1/4 (6.35)	1/2 (12.7)
18,000 to 54,000 Btu/h	In.(mm)	3/8 (9.52)	5/8 (15.88)
54,000 to 72,000 Btu/h	In.(mm)	3/8 (9.52)	3/4 (19.05)
greater than 72,000 Btu/h	In.(mm)	3/8 (9.52)	7/8 (22.2)

NOTES:
1. Use Single BC Controller when R2-Series unit capacity is 120,000 Btu/h or less.
2. Use the Reducer (standard accessory) when the indoor unit capacity is 18,000 Btu/h or less.
3. Use Ball Valves to isolate individual branches (recommended).
4. Use Joint Pipe to combine branches when connected indoor unit capacity on a single branch exceeds 54,000 Btu/h.

Refrigerant Piping Diameter to Air-source Outdoor Units (Brazed)			
		High Pressure	Low Pressure
to 72,000 Btu/h	In.(mm)	5/8 (15.88)	3/4 (19.05)
73,000 to 108,000 Btu/h	In.(mm)	3/4 (19.05)	7/8 (22.2)
109,000 to 126,000 Btu/h	In.(mm)	3/4 (19.05)	1-1/8 (28.58)
127,000 to 192,000 Btu/h	In.(mm)	7/8 (22.2)	1-1/8 (28.58)
193,000 to 216,000 Btu/h	In.(mm)	1-1/8 (28.58)	1-1/8 (28.58)
217,000 to 288,000 Btu/h	In.(mm)	1-1/8 (28.58)	1-3/8 (34.93)
289,000 to 336,000 Btu/h	In.(mm)	1-1/8 (28.58)	1-5/8 (41.28)

Refrigerant Piping Diameter to Water-source Units (Brazed)			
		High Pressure	Low Pressure
to 72,000 Btu/h	In.(mm)	5/8 (15.88)	3/4 (19.05)
73,000 to 108,000 Btu/h	In.(mm)	3/4 (19.05)	7/8 (22.2)
109,000 to 126,000 Btu/h	In.(mm)	3/4 (19.05)	1-1/8 (28.58)
127,000 to 192,000 Btu/h	In.(mm)	7/8 (22.2)	1-1/8 (28.58)
193,000 to 240,000 Btu/h	In.(mm)	1-1/8 (28.58)	1-1/8 (28.58)
193,000 to 216,000 Btu/h	In.(mm)	7/8 (22.2) Brazed [1-1/8 (28.58) Brazed if distance between OU and BC exceeds 65 m]	
217,000 to 240,000 Btu/h			
241,000 to 312,000 Btu/h	In.(mm)	1-1/8 (28.58)	1-3/8 (34.93)
313,000 to 336,000 Btu/h	In.(mm)	1-1/8 (28.58)	1-5/8 (41.28)

Refrigerant Piping Diameter to Sub BC Controller (Brazed)				
		Liquid	High Pressure	Low Pressure
to 72,000 Btu/h	In.(mm)	3/8 (9.52)	5/8 (15.88)	3/4 (19.05)
73,000 to 108,000 Btu/h	In.(mm)	3/8 (9.52)	3/4 (19.05)	7/8 (22.2)
109,000 to 126,000 Btu/h	In.(mm)	1/2 (12.7)	3/4 (19.05)	1-1/8 (28.58)
127,000 to 144,000 Btu/h	In.(mm)	1/2 (12.7)	7/8 (22.2)	1-1/8 (28.58)
145,000 to 168,000 Btu/h	In.(mm)	5/8 (15.88)	7/8 (22.2)	1-1/8 (28.58)

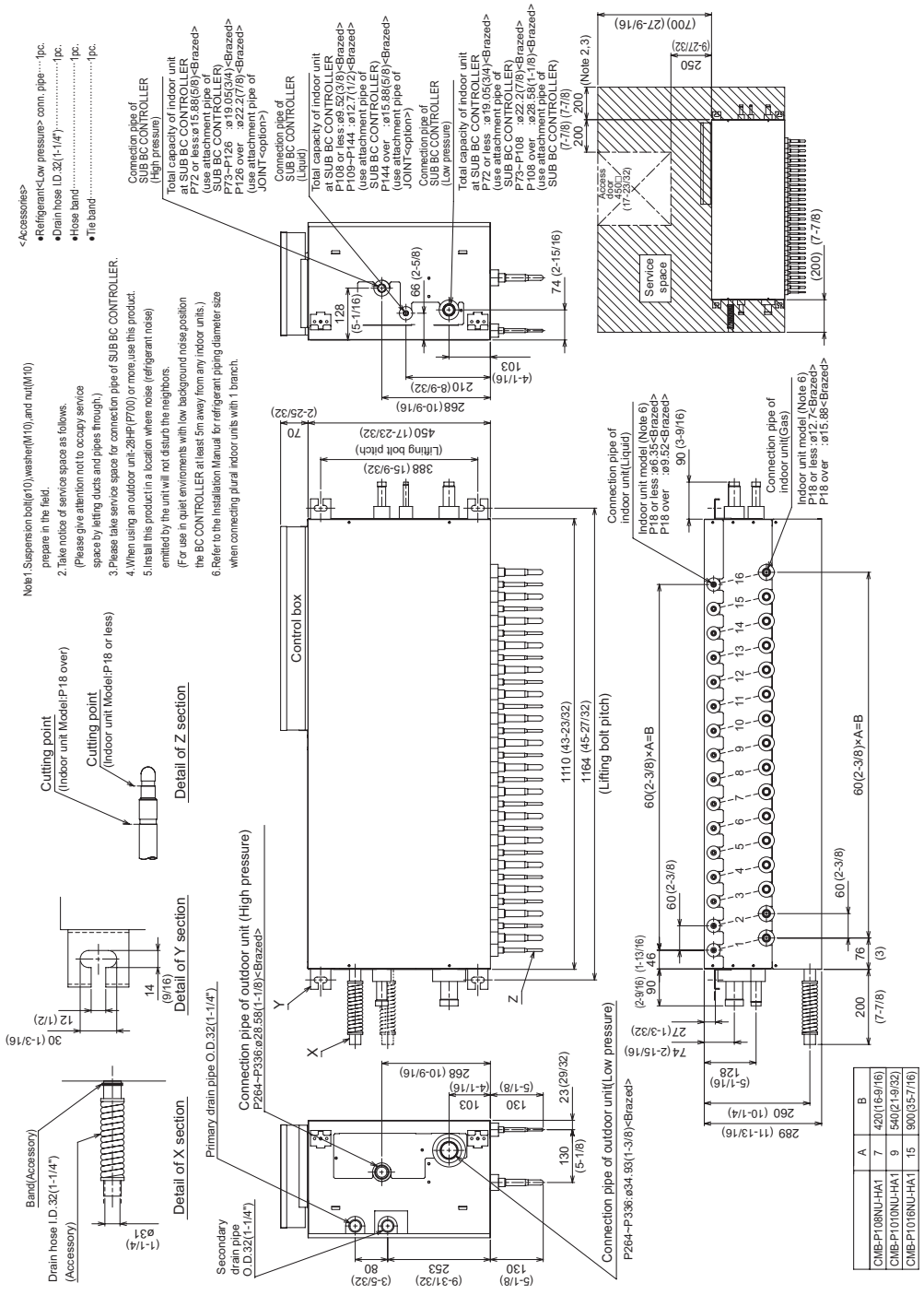
Field Drain Pipe Size	In.(mm)	1-1/4 (32)
Refrigerant	R410A	
Connectable Outdoor Unit	PURY-P-T(S)K/LMU PURY-P-Y(S)K/LMU PURY-HP-T(S)KMU PURY-HP-Y(S)KMU PQRY-P-T(S)H/LMU PQRY-P-Y(S)H/LMU	

Specifications are subject to change without notice.

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Model: CMB-P1016NU-HA1 – DIMENSIONS

Units: mm (in.)



	A	B
CMB-P108NU-HA1	7	420(16-9/16)
CMB-P1010NU-HA1	9	540(21-9/32)
CMB-P1016NU-HA1	15	900(35-7/16)

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Form# CMB-P1016NU-HA1 - 201805

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