

Job Name:	Location:
Schedule Reference:	Submitted By:
Submitted To:	Reference: Approval: Construction:
Engineer:	Date: Application:
  Standard Model Seacoast (-BS) Model	• Snow/Wind Guards - (See separate submittal)

Specifications:			
Indoor Model		Non-Ducted	Ducted
Power source		3-phase 3-wire 575V ±10% 60 Hz	
Cooling capacity		216,000	
(Nominal)		63.3	
Power input		16.91	
(575) Current input		18.8	
(Rated)		206,000	
Power input		60.4	
(575) Current input		18.31	18.39
Temp. range of cooling		20.4	20.5
Indoor		59 ~ 75°F	(15 ~ 24°C)
Outdoor		23 ~ 115°F	(-5 ~ 46°C)
Heating capacity		243,000	
(Nominal)		71.2	
Power input		19.69	
(575) Current input		21.9	
(Rated)		232,000	
Power input		68.0	
(575) Current input		18.61	17.69
Temp. range of heating		20.7	19.7
Indoor		59 ~ 81°F	(15 ~ 27°C)
Outdoor		- 4 ~ 60°F	(-20 ~ 15.5°C)
Indoor unit connectable		50 ~ 130% of outdoor unit capacity	
Model / Quantity		P04 ~ P96 / 2 ~ 50	
Sound power level (measured in anechoic room)		84.0	
Refrigerant		5/8 (15.88) Brazed	
Liquid pipe		1-1/8 (28.58) Brazed	
Gas pipe		10.80/11.10	
AHRI Ratings		19.80/17.80	
(Ducted / Non-Ducted)		3.51/3.56 - 2.48/2.09	
EER		COP @ 47F - COP @ 17F	
IEER			

Set Model			
Model		PUHY-P96ZKMU-B (-BS)	PUHY-P120ZKMU-B (-BS)
Minimum Circuit Ampacity		15	19
Maximum Overcurrent Protection		25	30
Fan	Type x Quantity	Propeller fan x1	Propeller fan x2
	Airflow rate	6,700	11,300
	m³/min	190	320
	L/s	3,170	5,330
	Control, Driving mechanism	Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	Motor output	0.92	0.92 x 2
Compressor	External static press.	0 in.WG (0 Pa)	0 in.WG (0 Pa)
	Type x Quantity	Inverter scroll hermetic compressor x1	Inverter scroll hermetic compressor x1
	Starting method	Inverter	Inverter
	Motor output	6.9 x 1	8.2 x 1
	Case heater	0.035	0.045
	Lubricant	MEL32	MEL32
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>
External dimension H x W x D		64-31/32 x 48-1/16 x 29-5/32 (1650 x 1220 x 740)	64-31/32 x 68-29/32 x 29-5/32 (1650 x 1750 x 740)
Protection devices	High Pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
	Compressor	-	-
	Fan Motor	-	-
Refrigerant	Type x original charge	R410A x 25 lbs + 6 oz (11.5kg)	R410A x 26 lbs + 1 oz (11.8kg)
	Control	LEV and HIC circuit	LEV and HIC circuit
Net weight		563 (255)	748 (339)
Heat Exchanger		Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)		Copper pipe, tube-in-tube structure	Copper pipe, tube-in-tube structure
Pipe between unit and distributor	Liquid pipe	3/8 (9.52) Brazed	1/2 (12.7) Brazed
	Gas pipe	7/8 (22.2) Brazed	1-1/8 (28.58) Brazed
Defrosting method		Auto-defrost mode (Reversed refrigerant cycle)	Auto-defrost mode (Reversed refrigerant cycle)
Optional parts		Outdoor Twinning kit: CMY-Y100CBK3	
		Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2	
		Header: CMY-Y104/108/1010C-G	
Compressor Operating Range		12.5% to 100%	19.2% to 100%

Notes:			
1.Nominal Cooling conditions (Test conditions are based on AHRI 1230)		Indoor: 80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.), Outdoor: 95°F D.B. (35°C D.B.)	
2.Nominal Heating conditions (Test conditions are based on AHRI 1230)		Indoor: 70°F D.B. (21.1°C D.B.), Outdoor: 47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)	
3.External static pressure option is available (0.12 in.WG, 0.24 in.WG, 30 Pa, 60 Pa).			
4.All electrical work shall comply with National (CEC) and local codes and regulations.			
5.Mitsubishi Electric Sales Canada Inc. (MESCA) supports the use of only MESCA supplied and approved components and accessories for proper functioning of the unit(s).			
6.Mitsubishi Electric Sales Canada Inc. (MESCA) supports the use of only MESCA supplied and approved Snow Guard / Wind Deflectors / Windscreens and accessories for proper functioning of the unit(s). Use of non-MESCA supported Snow Guard / Wind Deflectors / Windscreens and accessories will affect warranty coverage.			
7.Should any person change this document in any manner whatsoever without MESCA's written permission, the document shall be of no force and effect and any change shall be deemed to be a representation and warranty made by that person and not MESCA. That person, and not MESCA, shall assume full responsibility for the consequences of such changes.			
MESCA assumes no responsibility for any consequences in such cases.			

Outdoor Unit Outline and Dimensions:

Note 1. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C (248°F).

Model	Refrigerant pipe		Diameter		Service valve	
	Liquid	Gas	Liquid	Gas	Liquid	Gas
PUHY-P96ZKMU	ø9.52 Brazed (3/8) *1 (ø12.7 Brazed) (1/2) *2 *3	ø22.2 Brazed (7/8) *2	ø9.52 (3/8)	ø28.58 (1-1/8)	ø9.52 (3/8)	ø28.58 (1-1/8)

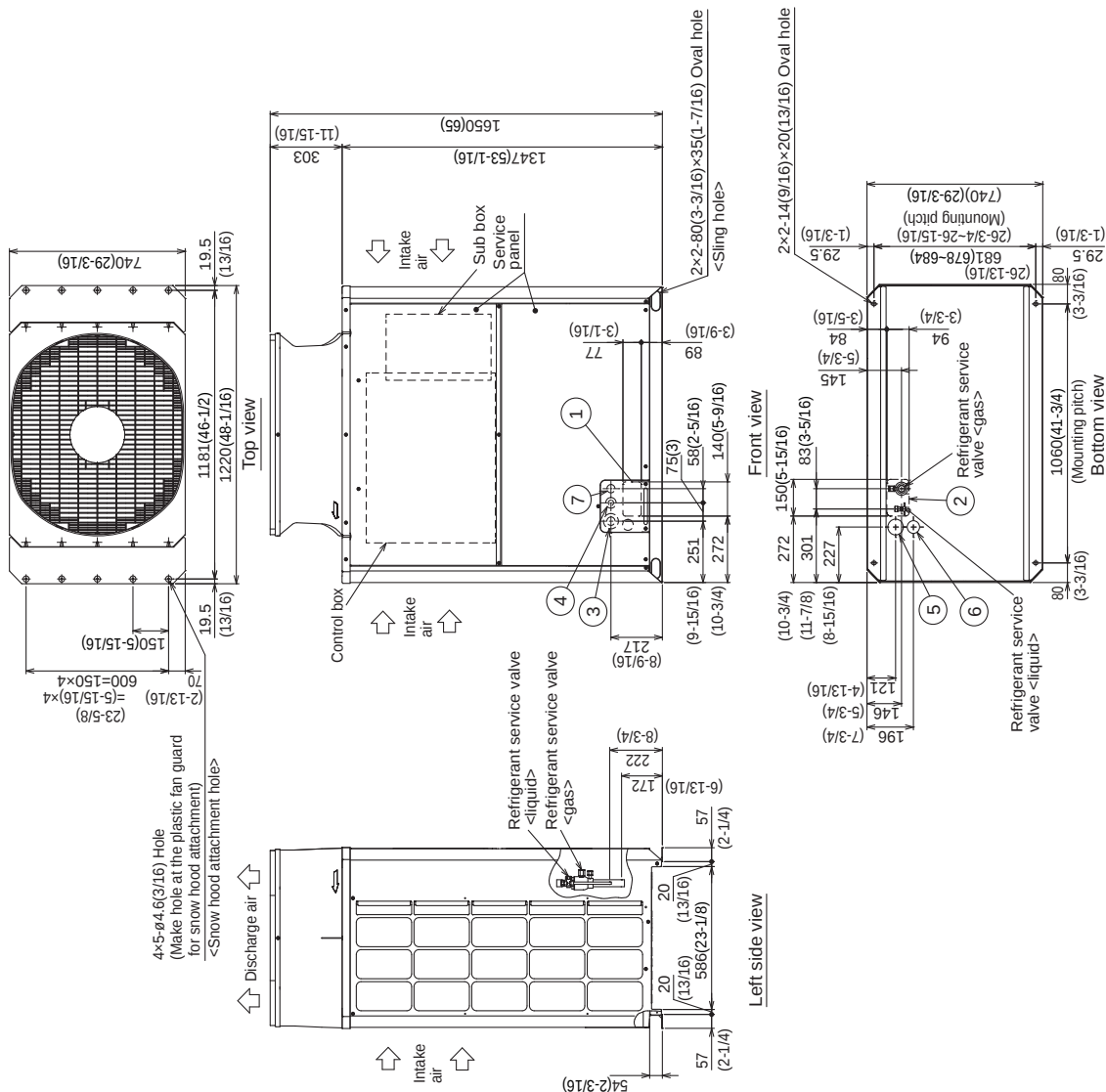
*1 Expand the on-site piping and connect to the refrigerant service valve piping.

*2 Use the pipe joint (field supply) and connect to the refrigerant service valve piping.

*3 Furthest piping length (OU from U) ≥ 90m (295ft)

NO.	Usage	Specifications
①	Front through hole	140 x 77 Knockout hole (5-9/16) (3-1/16)
②	Bottom through hole	150 x 94 Knockout hole (5-15/16) (3-3/4)
③	Front through hole	ø62.7 or ø34.5 Knockout hole (2-1/2) (1-3/8)
④	Front through hole	ø43.7 or ø22.2 Knockout hole (1-3/4) (7/8)
⑤	Bottom through hole	ø65 Knockout hole (2-9/16)
⑥	Bottom through hole	ø52 Knockout hole (2-1/16)
⑦	Front through hole	ø34 Knockout hole (1-3/8)

Unit: mm (in.)



Outdoor Unit Outline and Dimensions:

Note 1. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C (248°F).

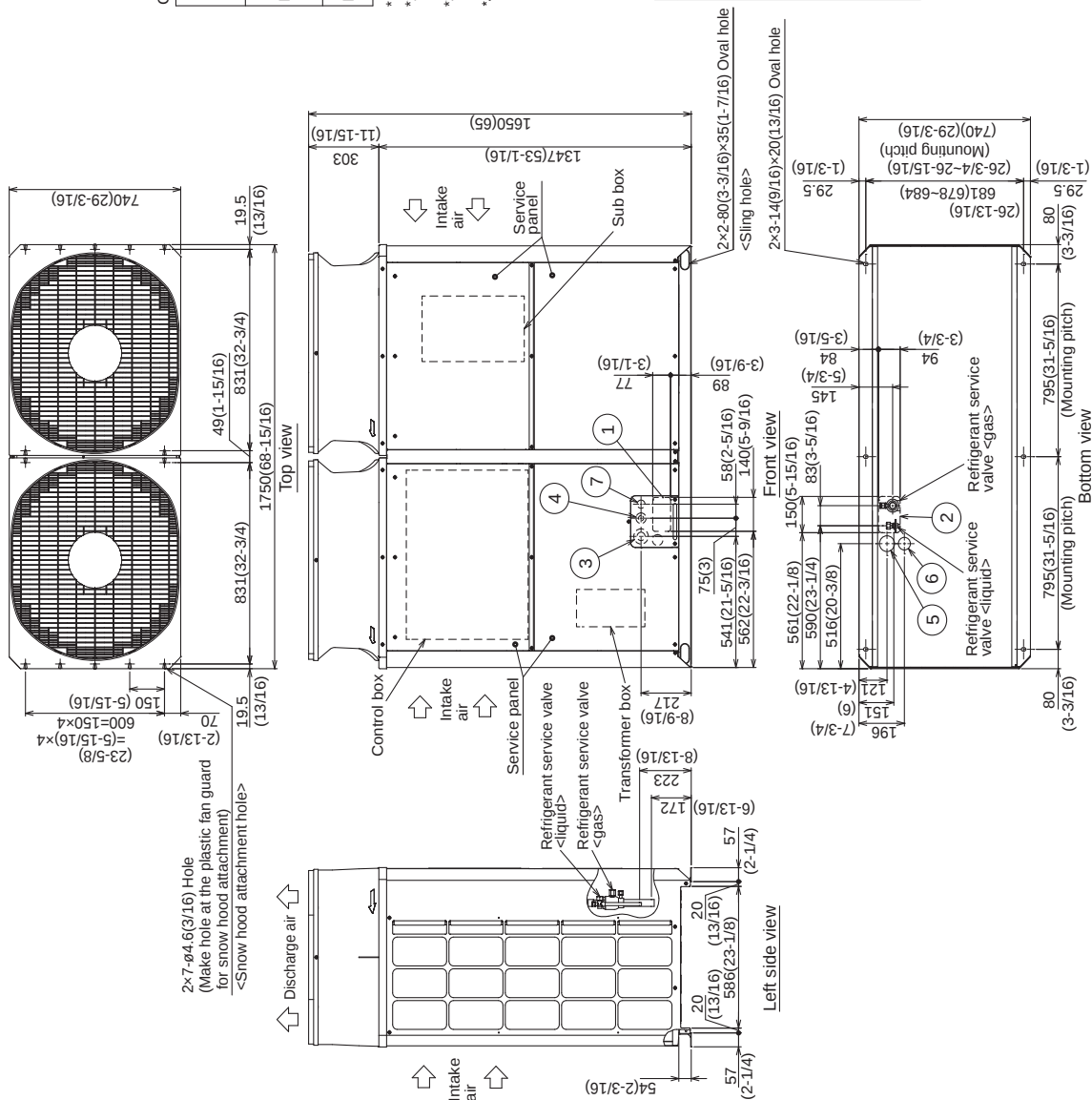
Connecting pipe specifications

Model	Refrigerant pipe		Diameter	
	Liquid	Gas	Liquid	Gas
PUHY-P120ZKMU	ø9.52 Braze (3/8)"*2 (ø12.7 Braze) (1/2)"*1 *3 *4	ø28.58 Braze (1-1/8)"*1	ø12.7 (1/2)	ø28.58 (1-1/8)
PUHY-P142ZKMU	ø12.7 Braze (1/2)"*1			

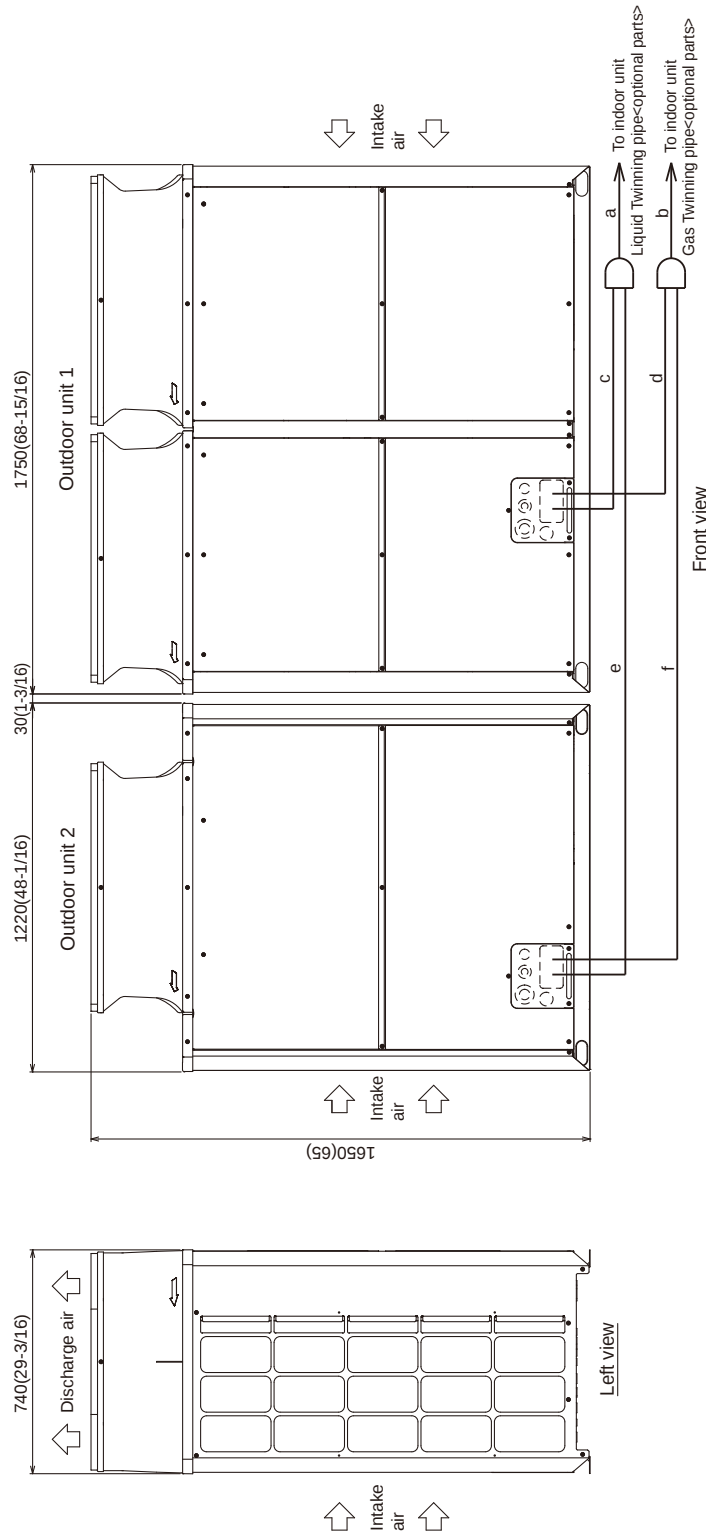
- *1 Expand the on-site piping and connect to the refrigerant service valve piping.
- *2 Use the pipe joint (field supply) and connect to the refrigerant service valve piping.
- *3 Indicates dimensions and connection specifications in the case the unit is used in combination with other outdoor units.
- *4 Furthest piping length (OU from IU) ≥ 40m (131ft)

NO.	Usage	Specifications
①	For pipes Front through hole	140 × 77 Knockout hole (5-9/16) (3-1/16)
②	Bottom through hole	150 × 94 Knockout hole (5-15/16) (3-3/4)
③	Front through hole	ø62.7 or ø34.5 Knockout hole (2-1/2) (1-3/8)
④	Front through hole	ø43.7 or ø22.2 Knockout hole (1-3/4) (7/8)
⑤	Bottom through hole	ø65 Knockout hole (2-9/16)
⑥	Bottom through hole	ø52 Knockout hole (2-1/16)
⑦	For transmission cables Front through hole	ø34 Knockout hole (1-3/8)

Unit: mm (in.)



Outdoor Unit Outline and Dimensions:



Unit: mm (in.)

Unit model	Liquid	Gas
P96	c or e	d or f
P120	ø9.52(3/8)	ø12.7(1/2)
	ø12.7(1/2)	ø28.58(1-1/8)

Package unit name	PUHY-P216ZSKMU-B(-BS)
Component unit name	Outdoor unit 1 PUHY-P216ZSKMU-B(-BS)
Outdoor Twinning Kit(optional parts)	CMY-Y1002BK3
Indoor unit-Twinning pipe	Liquid a
	Gas b
	ø15.88(5/8)
	ø28.58(1-1/8)

Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.

Note 2. Twinning pipes must be installed horizontally using a level vessel.

Note 3. Be sure to see the Installation Manual for details of Twinning pipe installation.

Note 4. The pipe section before the Twinning pipe (sections "a" and "b" in the figure) must have at least 500mm of straight section

(*including the straight pipe that is supplied with the Twinning pipe).

4. Only use the Twinning pipe by Mitsubishi (optional parts).



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