

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		BTU/h	336,000	
(Nominal)		kW	98.5	
(575)		kW	26.78	
(Rated)		A	29.8	
(575)		BTU/h	320,000	
(Rated)		kW	93.8	
(575)		kW	31.08	28.26
(575)		A	34.6	31.5
Temp. range of cooling		Indoor	W.B.	59 ~ 75°F (15 ~ 24°C)
		Outdoor	D.B.	23 ~ 115°F (-5 ~ 46°C)
Heating capacity		BTU/h	378,000	
(Nominal)		kW	110.8	
(575)		kW	31.66	
(Rated)		A	35.3	
(575)		BTU/h	361,000	
(Rated)		kW	105.8	
(575)		kW	30.33	28.5
(575)		A	33.8	31.7
Temp. range of heating		Indoor	D.B.	59 ~ 81°F (15 ~ 27°C)
		Outdoor	W.B.	-4 ~ 60°F (-20 ~ 15.5°C)
Indoor unit connectable		Total capacity	50 ~ 130% of outdoor unit capacity	
		Model / Quantity	P04 ~ P96 / 2 ~ 50	
Sound power level		(measured in anechoic room)	dB <A>	
			85.0	
Refrigerant		Liquid pipe	in. (mm)	
		Gas pipe	in. (mm)	
AHRI Ratings		EER	10.90/10.10	
(Ducted / Non-Ducted)		IEER	17.90/17.40	
		COP @ 47F - COP @ 17F	3.42/3.42 - 2.38/2.13	

Set Model		PUHY-P96ZKMU-B (-BS)	PUHY-P120ZKMU-B (-BS)	PUHY-P120ZKMU-B (-BS)
Model		PUHY-P96ZKMU-B (-BS)	PUHY-P120ZKMU-B (-BS)	PUHY-P120ZKMU-B (-BS)
Minimum Circuit Ampacity		A	15	19
Maximum Overcurrent Protection		A	25	30
Fan		Type x Quantity	Propeller fan x1	Propeller fan x2
		Airflow rate	cfm	11,300
			m ³ /min	320
			L/s	5,330
		Control, Driving mechanism	Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
		Motor output	kW	0.92 x 2
		External static press.	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor		Type x Quantity	Inverter scroll hermetic compressor x1	Inverter scroll hermetic compressor x1
		Starting method	Inverter	Inverter
		Motor output	kW	8.2 x 1
		Case heater	kW	0.045
		Lubricant	MEL32	MEL32
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type)	Pre-coated galvanized steel sheet (+powder coating for -BS type)	Pre-coated galvanized steel sheet (+powder coating for -BS type)
		<MUNSELL 5Y 8/1 or similar>	<MUNSELL 5Y 8/1 or similar>	<MUNSELL 5Y 8/1 or similar>
External dimension H x W x D		in.	64-31/32 x 48-1/16 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32
		mm	1650 x 1220 x 740	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		lbs (kg)	563 (255)	748 (339)
Heat Exchanger		Salt-resistant cross fin & copper tube	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	Copper pipe, tube-in-tube structure
Pipe between unit and distributor		Liquid pipe	in. (mm)	1/2 (12.7) Braze
		Gas pipe	in. (mm)	1-1/8 (28.58) Braze
Defrosting method		Auto-defrost mode (Reversed refrigerant cycle)	Auto-defrost mode (Reversed refrigerant cycle)	Auto-defrost mode (Reversed refrigerant cycle)
Optional parts		Outdoor Twinning kit: CMY-Y300CBK2	Joint: CMY-Y1025S/LS-G2, CMY-Y202S/302S-G2	Header: CMY-Y104/108/1010C-G
Compressor Operating Range		12.5% to 100%	19.2% to 100%	19.2% to 100%

Notes:

- 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.)
- 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.)
- External static pressure option is available (0.12 in.WG, 0.24 in.WG, 30 Pa, 60 Pa).
- All electrical work shall comply with National (CEC) and local codes and regulations.
- 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).
- 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.
- 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:

Note1. 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	Diameter		
	Refrigerant pipe	Service valve	
	Liquid	Gas	Gas
PUHY-P96ZKMU	ø9.52 Braze (3/8) *1 (ø12.7 Braze) (1/2) *2 *3	ø22.2 Braze (7/8) *2	ø28.58 (1-1/8)

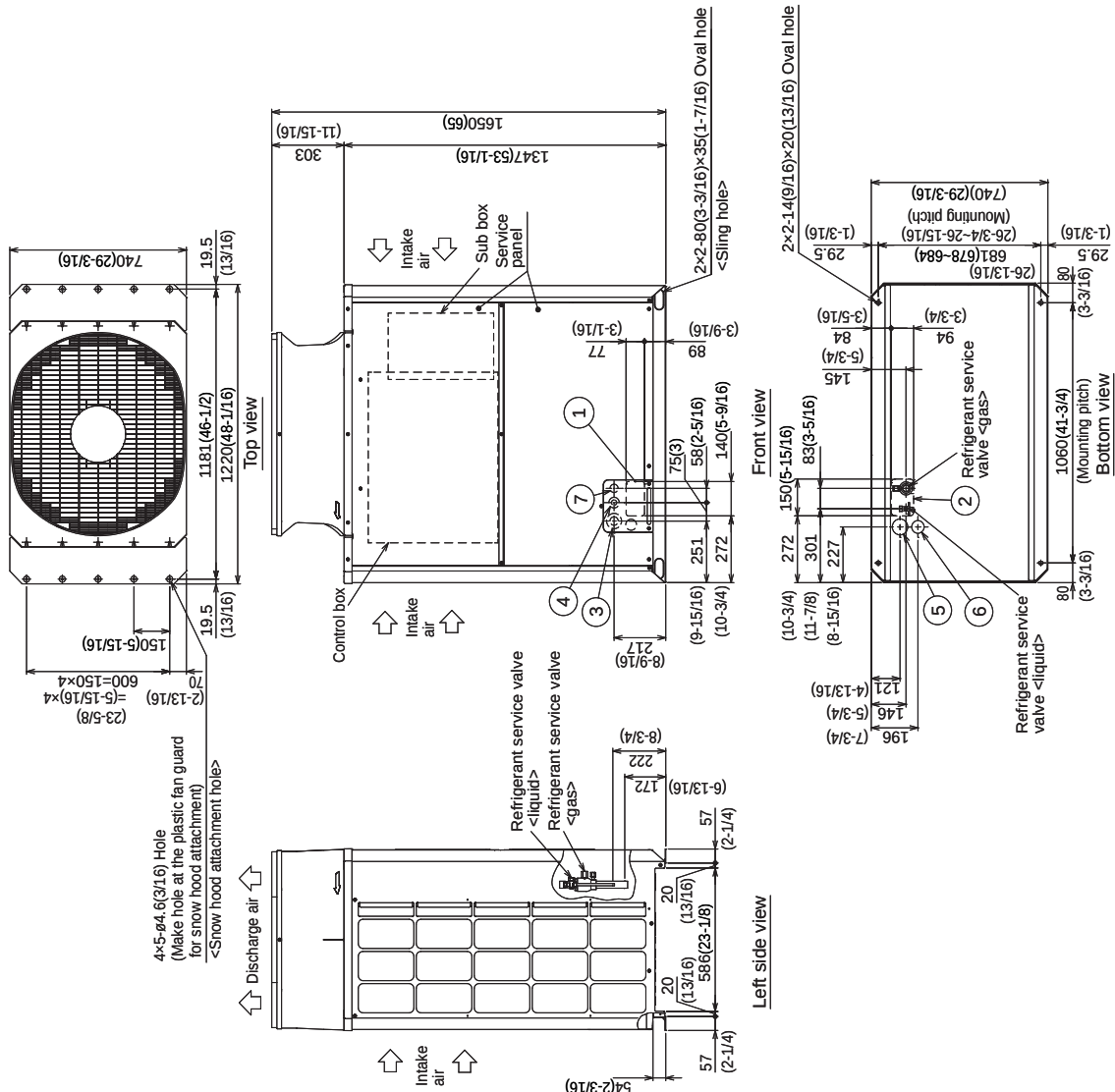
*1 Expand the on-site piping and connect to the refrigerant service valve piping.

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

*3 Furthest piping length (OU from IU) ≥ 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 84 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	ø62 Knockout hole (2-1/16)
⑦	Front through hole	ø34 Knockout hole (1-3/8)

Unit: mm (in.)



Outdoor Unit Outline and Dimensions:

Note1. 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		Service valve	
	Liquid	Gas	Liquid	Gas
PUHY-P120ZKMU	ø9.52 Braze (3/8) *1 (ø12.7 Braze) (1/2) *2 *3	ø22.2 Braze (7/8) *2	ø9.52 (3/8)	ø28.58 (1-1/8)

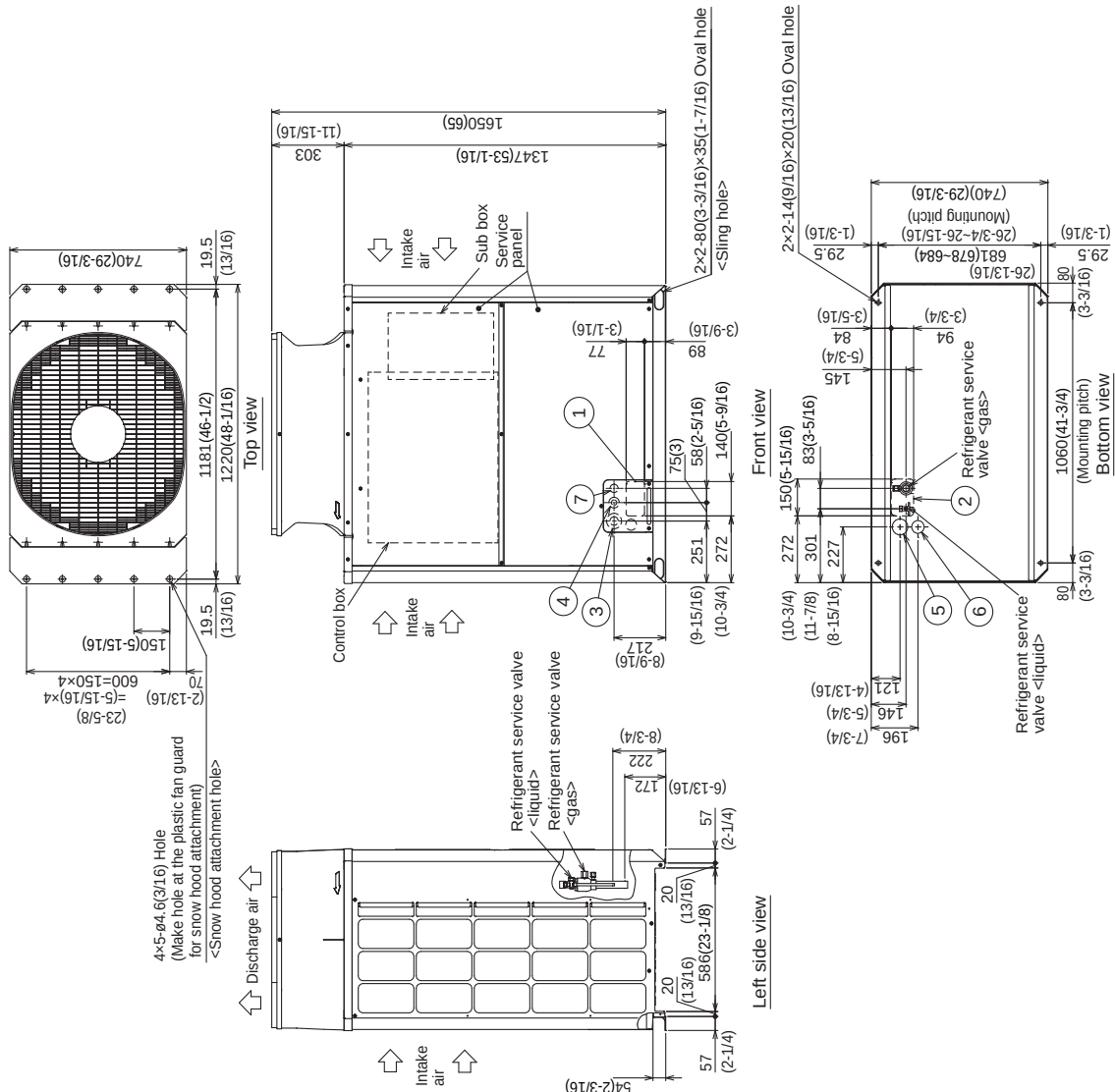
*1 Expand the on-site piping and connect to the refrigerant service valve piping.

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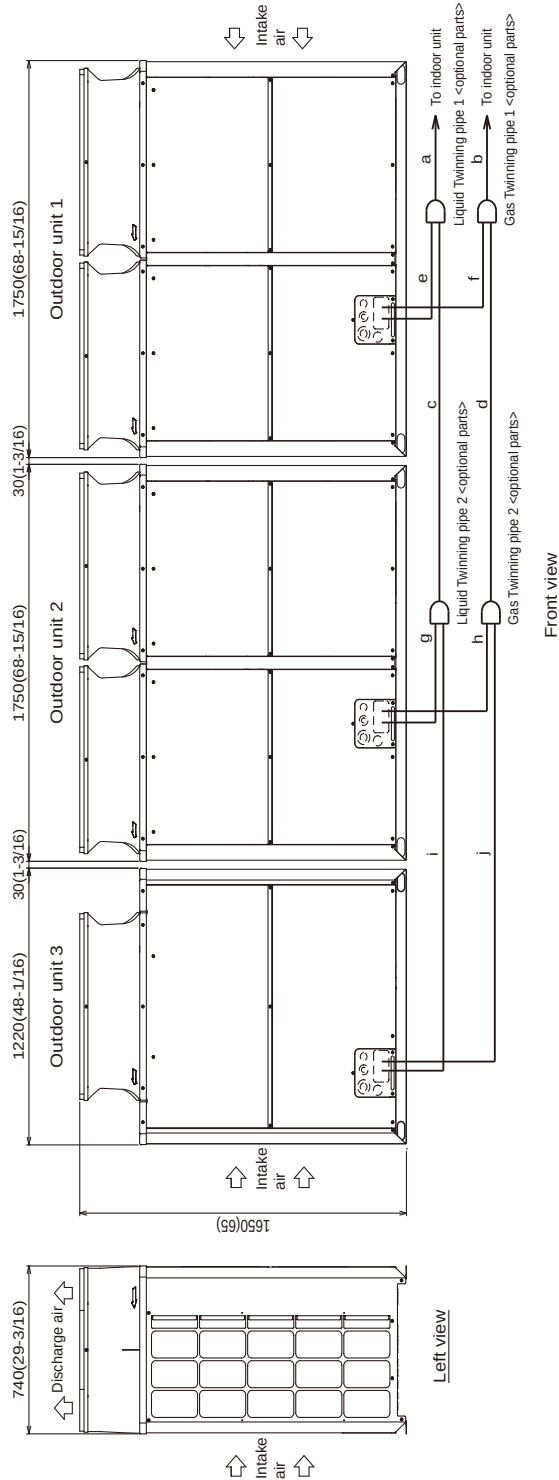
*3 Furthest piping length (OU from IU) ≥ 90m(295ft)

NO.	Usage	Specifications
①	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	ø62 Knockout hole (2-1/16)
⑦	Front through hole	ø34 Knockout hole (1-3/8)

Unit: mm (in.)



Outdoor Unit Outline and Dimensions:



Unit: mm (in.)

Twinning pipe connection size		PUHY-P336ZSKMU-B(-BS)	
Package unit name		PUHY-P120ZKMU-B(-BS)	
Component unit name		PUHY-P120ZKMU-B(-BS)	
Outdoor unit name		PUHY-P96ZKMU-B(-BS)	
Outdoor Twinning Kit(optional parts)		CNY-Y300CBK2	
Indoor unit-Twinning pipe 1		Liquid a	Gas b
Twinning pipe 1-Twinning pipe 2		Liquid c	Gas d
		ø19.05(3/4)	ø19.05(3/4)
		ø41.28(1-5/8)	ø41.28(1-5/8)
		ø19.05(3/4)	ø19.05(3/4)
		ø34.93(1-3/8)	ø34.93(1-3/8)

Twinning pipe-Outdoor unit		Liquid e or g or i	Gas f or h or j
		ø9.52(3/8)	ø22.2(7/8)
		ø12.7(1/2)	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.

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

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

3. 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).



CONFORMS TO
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CAN/CSA STD.
C22. 2 NO. 236