

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		288,000		
(Nominal)		84.4		
(575)		22.57		
(Rated)		25.1		
(575)		276,000		
(Rated)		80.9		
(575)		25.68		
(575)		28.6		
Temp. range of cooling		59 ~ 75°F (15 ~ 24°C)		
Indoor		W.B.		
Outdoor		23 ~ 115°F (-5 ~ 46°C)		
D.B.				
Heating capacity		323,000		
(Nominal)		94.7		
(575)		26.12		
(Rated)		29.1		
(575)		308,000		
(Rated)		90.3		
(575)		24.66		
(575)		27.5		
Temp. range of heating		59 ~ 81°F (15 ~ 27°C)		
Indoor		W.B.		
Outdoor		-4 ~ 60°F (-20 ~ 15.5°C)		
Indoor unit connectable		50 ~ 130% of outdoor unit capacity		
Sound power level		P04 ~ P96 / 2 ~ 50		
(measured in anechoic room)		85.0		
Refrigerant		3/4 (19.05) Braze		
Liquid pipe		in. (mm)		
Gas pipe		1-3/8 (34.93) Braze		
piping diameter		in. (mm)		
AHRI Ratings		EER		
(Ducted / Non-Ducted)		11.10/10.60		
		IEER		
		18.10/18.90		
		COP @ 47F - COP @ 17F		
		3.49/3.59 - 2.53/2.21		

Set Model		PUHY-P72ZKMU-B (-BS)		PUHY-P96ZKMU-B (-BS)		PUHY-P120ZKMU-B (-BS)	
Model		A		11		15	
Minimum Circuit Ampacity		A		15		25	
Maximum Overcurrent Protection		A		15		30	
Fan		Type x Quantity		Propeller fan x1		Propeller fan x1	
Airflow rate		cfm		6,200		6,700	
		m³/min		175		190	
		L/s		2,920		3,170	
Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
Motor output		kW		0.92		0.92 x 2	
External static press.		0 in.WG (0 Pa)		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		Inverter	
Motor output		kW		5.6 x 1		6.9 x 1	
Case heater		kW		0.035		0.035	
Lubricant		MEL32		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)	
External dimension H x W x D		in.		64-31/32 x 36-1/4 x 29-5/32		64-31/32 x 48-1/16 x 29-5/32	
		mm		1650 x 920 x 740		1650 x 1220 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 19 lbs + 13oz (9.0kg)		R410A x 25 lbs + 6 oz (11.5kg)	
		Control		LEV and HIC circuit		LEV and HIC circuit	
Net weight		lbs (kg)		490 (222)		563 (255)	
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)		3/8 (9.52) Braze	
		Gas pipe		in. (mm)		7/8 (22.2) 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		17.5% to 100%		12.5% 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:

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).

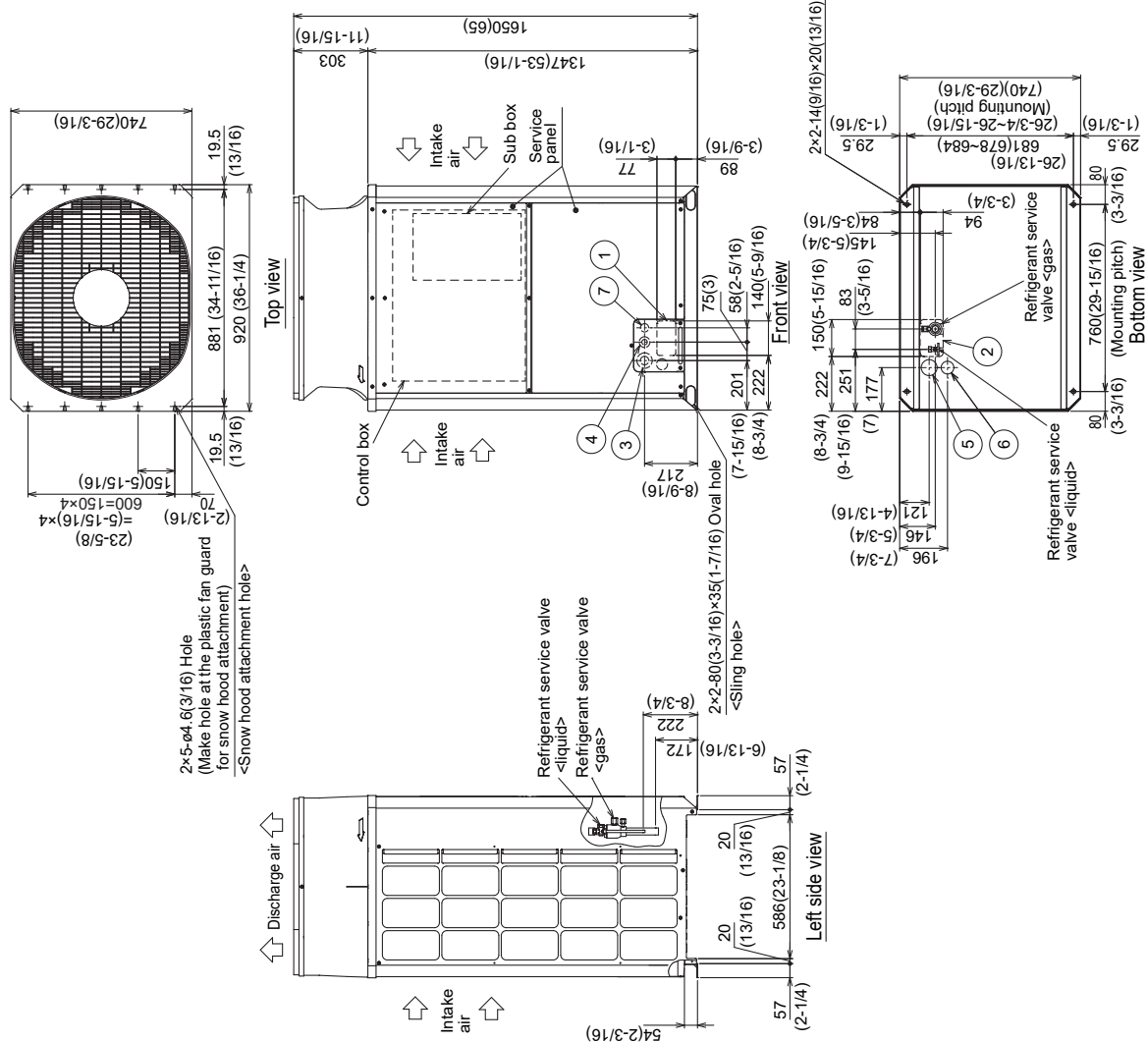
Connecting pipe specifications				
Model	Diameter			
	Refrigerant pipe		Service valve	
	Liquid	Gas	Liquid	Gas
P1UH-P7ZAMU	ø9.52 Braze (3/8) *1	ø22.2 Braze (7/8) *2	ø9.52 (3/8)	ø28.58 (1-1/8)

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

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

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	For wires	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:

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	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)

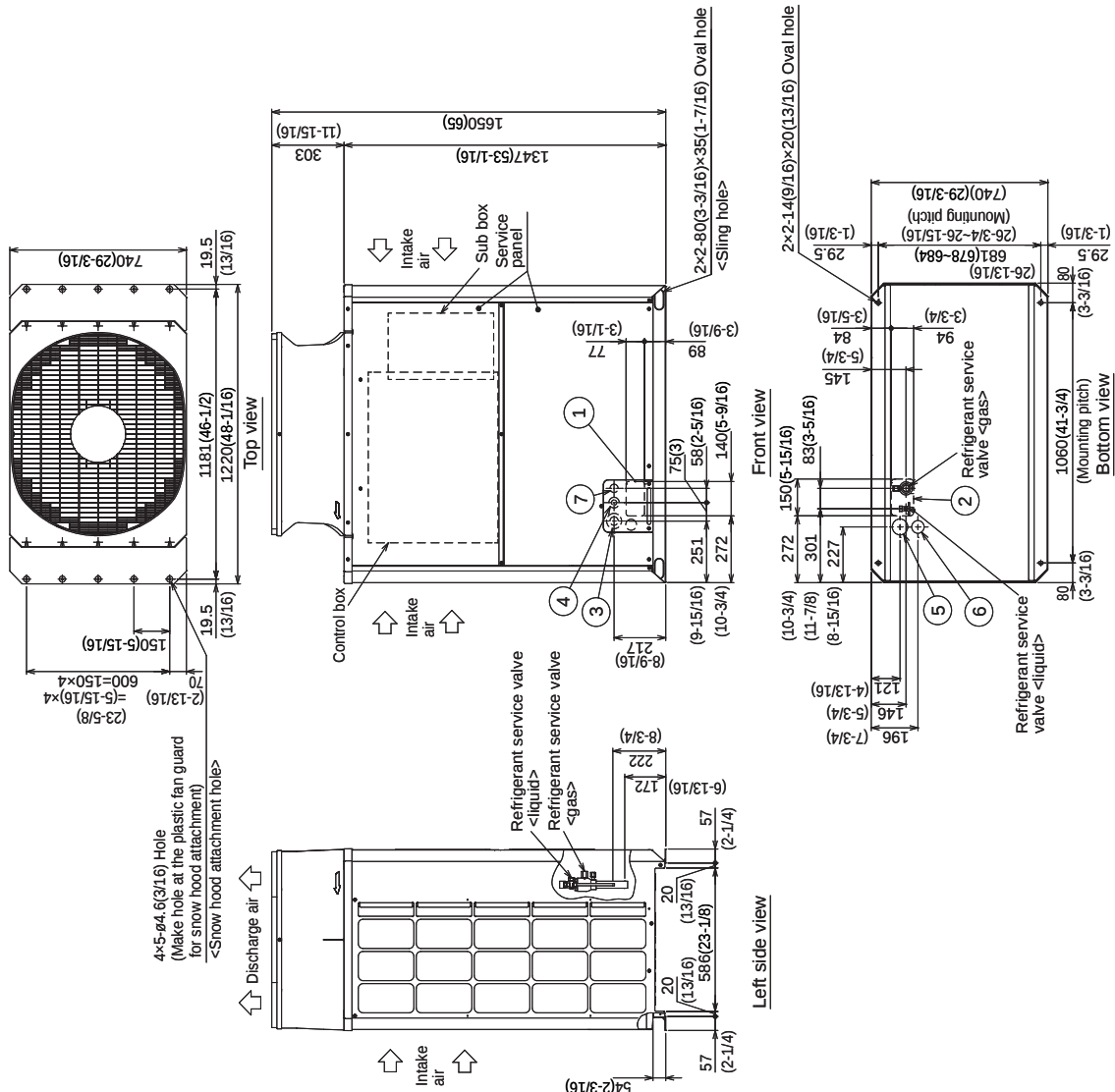
*1 Expand the on-site piping and connect to the refrigerant service valve piping.

*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	Diameter		
	Refrigerant pipe		Service valve
	Liquid	Gas	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-P140ZKMU	ø12.7 Braze (1/2)*1		

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

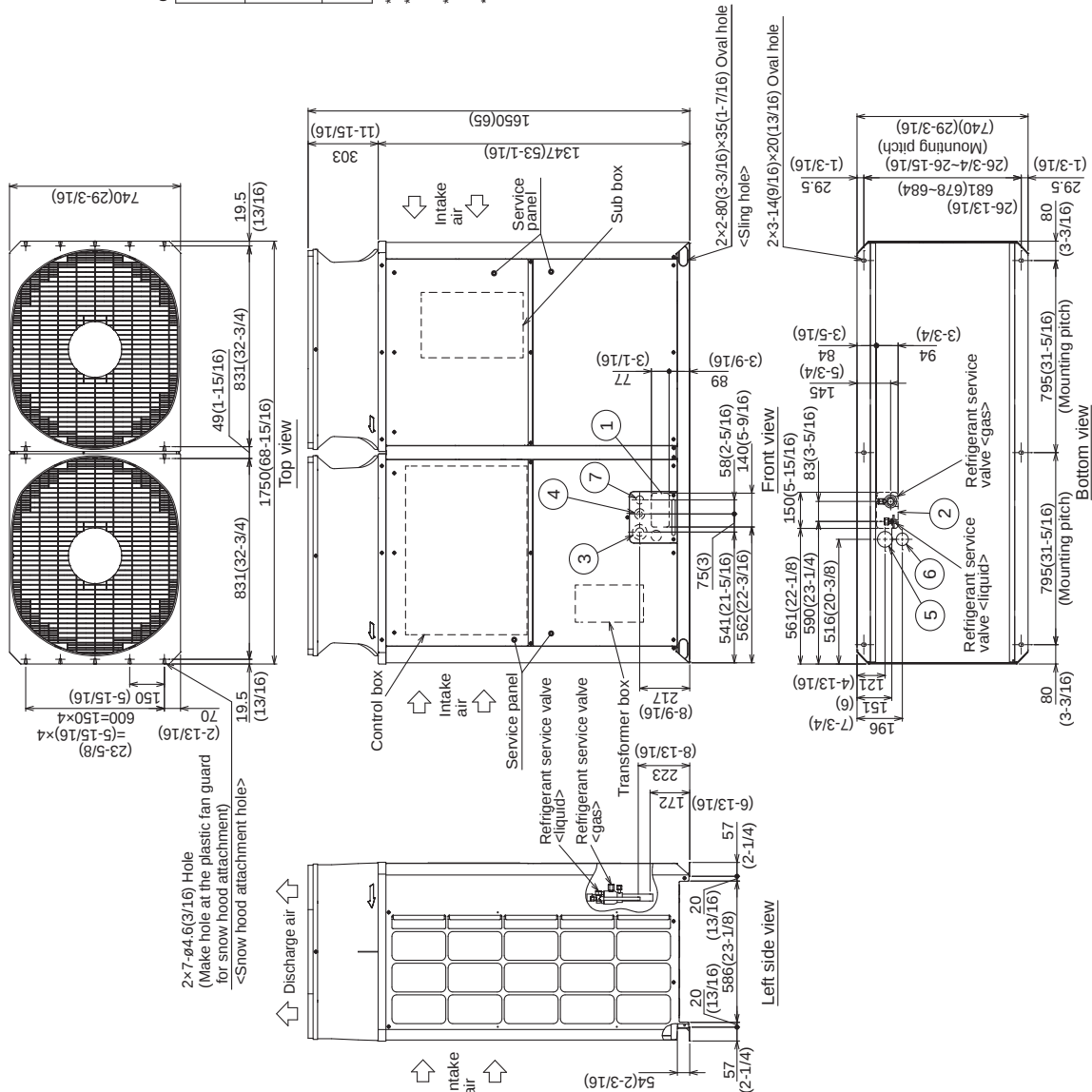
*2 Use the pipe joint (field supply) and connect to the refrigerant service valve piping.

*3 Indicates dimensions and connection specifications in the case the unit is used in combination with other outdoor units.

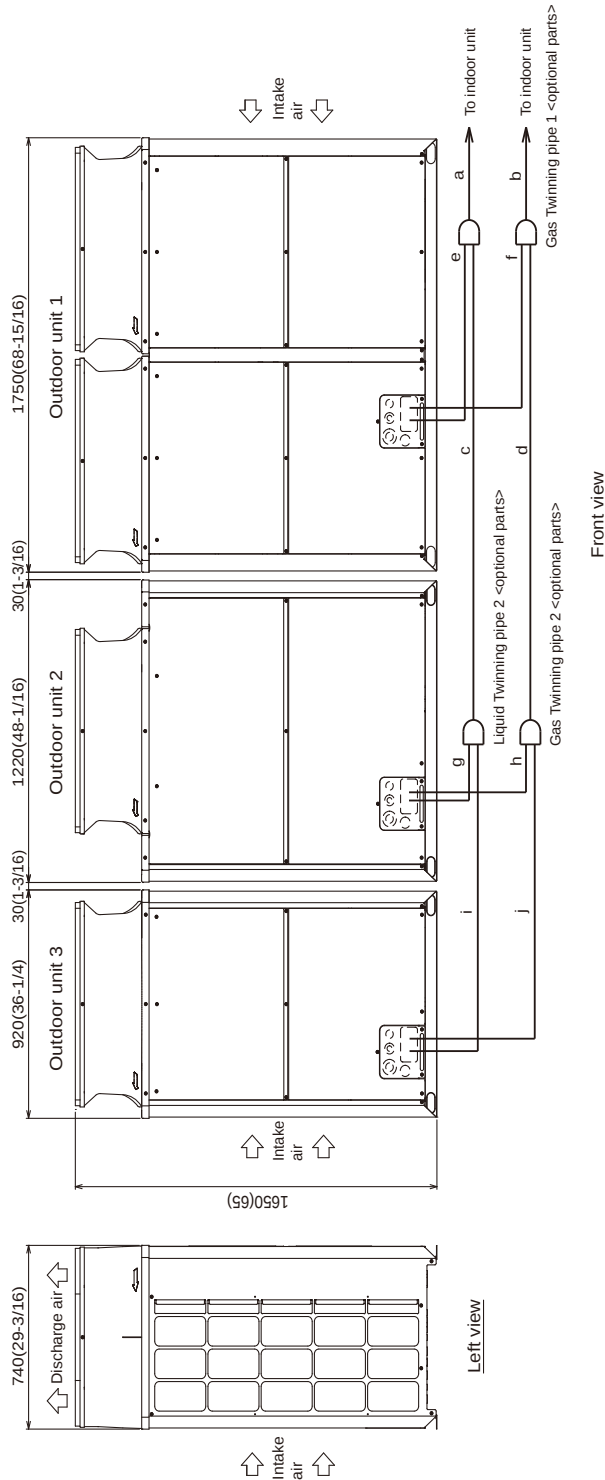
*4 Furthest piping length (OU from IU) ≥ 40m (131ft)

NO.	Usage	Specifications
①	For pipes Front through hole	140 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	For transmission cables Front through hole	ø34 Knockout hole (1-3/8)

Unit: mm (in.)



Outdoor Unit Outline and Dimensions:



Front view

Left view

Twinning pipe connection size		PUHY-P288ZSKMU-B(-BS)	
Package unit name		Outdoor unit 1	Outdoor unit 2
Component unit name		Outdoor unit 3	Outdoor unit 4
Outdoor Twinning Kit(optional parts)		CMY-Y300CBK2	
Indoor unit-Twinning pipe 1		Liquid a	Gas b
Twinning pipe 1-Twinning pipe 2		Liquid c	Gas d
		ø19.05(3/4)	ø34.93(1-3/8)
		ø19.05(3/4)	ø34.93(1-3/8)

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.

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).

Unit model	Liquid e or g or i	Gas f or h or j
P72	ø9.52(3/8)	ø22.2(7/8)
P96	ø9.52(3/8)	ø22.2(7/8)
P120	ø12.7(1/2)	ø28.58(1-1/8)

Unit: mm (in.)



CONFORMS TO
ANSI/UL STD. 1995
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CAN/CSA STD.
C22. 2 NO. 236