

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		312,000		
(Nominal)		91.4		
Power input		24.32		
(575) Current input		27.1		
(Rated)		298,000		
Power input		87.3		
(575) Current input		29.1		
Temp. range of cooling		59 ~ 75°F (15 ~ 24°C)		
Indoor		23 ~ 115°F (-5 ~ 46°C)		
Outdoor				
Heating capacity		350,000		
(Nominal)		102.6		
Power input		28.41		
(575) Current input		31.6		
(Rated)		334,000		
Power input		97.9		
(575) Current input		28.9		
Temp. range of heating		59 ~ 81°F (15 ~ 27°C)		
Indoor		-4 ~ 60°F (-20 ~ 15.5°C)		
Outdoor				
Indoor unit connectable		50 ~ 130% of outdoor unit capacity		
Sound power level		P04 ~ P96 / 2 ~ 50		
(measured in anechoic room)		84.5		
Refrigerant		3/4 (19.05) Braze		
Liquid pipe		1-3/8 (34.93) Braze		
Gas pipe				
AHRI Ratings		EER 11.00/10.00		
(Ducted / Non-Ducted)		IEER 17.30/17.50		
COP @ 47F - COP @ 17F		3.46/3.59 - 2.43/2.22		

Set Model		PUHY-P72ZKMU-B (-BS)	PUHY-P120ZKMU-B (-BS)	PUHY-P120ZKMU-B (-BS)
Model		11	19	19
Minimum Circuit Ampacity		15	30	30
Maximum Overcurrent Protection		15	30	30
Fan		Propeller fan x1	Propeller fan x1	Propeller fan x2
Airflow rate		6,200	11,300	11,300
cfm		175	320	320
m³/min		2,920	5,330	5,330
L/s				
Control, Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
Motor output		0.92	0.92 x 2	0.92 x 2
kW		0 in.WG (0 Pa)	0 in.WG (0 Pa)	0 in.WG (0 Pa)
External static press.				
Compressor		Inverter scroll hermetic compressor x1	Inverter scroll hermetic compressor x1	Inverter scroll hermetic compressor x1
Type x Quantity		Inverter	Inverter	Inverter
Starting method		5.6 x 1	8.2 x 1	8.2 x 1
Motor output		0.035	0.045	0.045
Case heater		MEL32	MEL32	MEL32
Lubricant				
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>	<MUNSELL 5Y 8/1 or similar>
External dimension H x W x D		64-31/32 x 36-1/4 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32	64-31/32 x 68-29/32 x 29-5/32
in.		1650 x 920 x 740	1650 x 1750 x 740	1650 x 1750 x 740
mm				
Protection devices		High pressure protection	High pressure protection	High pressure protection
Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
Compressor		-	-	-
Fan Motor		-	-	-
Refrigerant		R410A x 19 lbs + 13oz (9.0kg)	R410A x 26 lbs + 1 oz (11.8kg)	R410A x 26 lbs + 1 oz (11.8kg)
Type x original charge		LEV and HIC circuit	LEV and HIC circuit	LEV and HIC circuit
Control				
Net weight		490 (222)	748 (339)	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-Change)		Copper pipe, tube-in-tube structure	Copper pipe, tube-in-tube structure	Copper pipe, tube-in-tube structure
Pipe between unit and distributor		3/8 (9.52) Braze	1/2 (12.7) Braze	1/2 (12.7) Braze
Liquid pipe		7/8 (22.2) Braze	1-1/8 (28.58) Braze	1-1/8 (28.58) Braze
Gas pipe				
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%	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:

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).

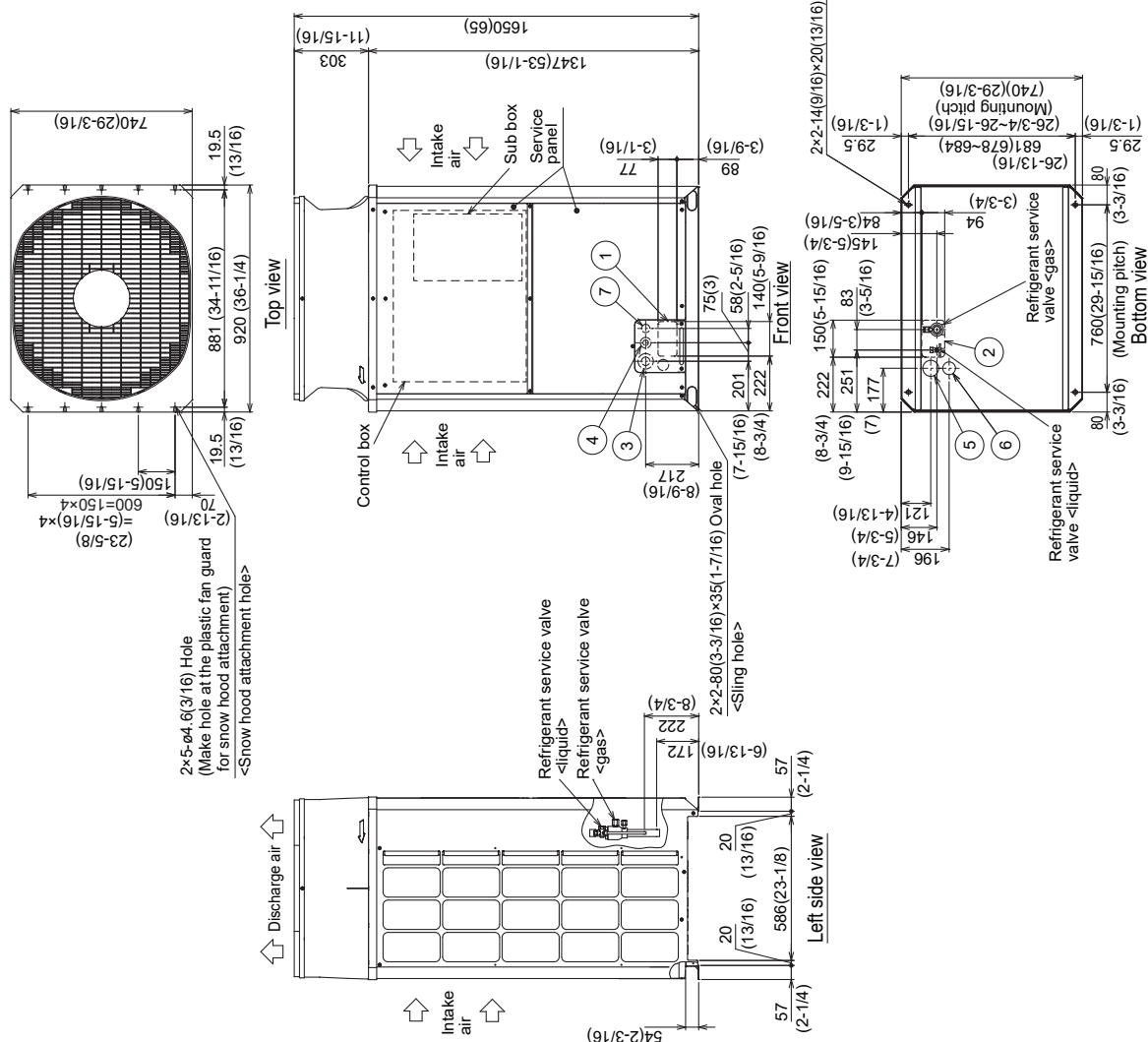
Connecting pipe specifications				
Model	Diameter			
	Refrigerant pipe		Service valve	
	Liquid	Gas	Liquid	Gas
PJUH-Y-P77ZKMU	ø9.52 Brazed (3/8) *1	ø22.2 Brazed (7/8) *2	ø9.52 (3/8)	ø28.58 (1-1/8)

*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:

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
PURH-P22Z(KU)	ø9.52 Brazed (3/8)"*2	ø8.58 Brazed (1/2)"*3 *4	ø12.7 (1/2)
PURH-P14Z(KU)	ø12.7 Brazed (1/2)"*1	ø28.58 Brazed (1-1/8)"*1	ø28.58 (1-1/8)

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

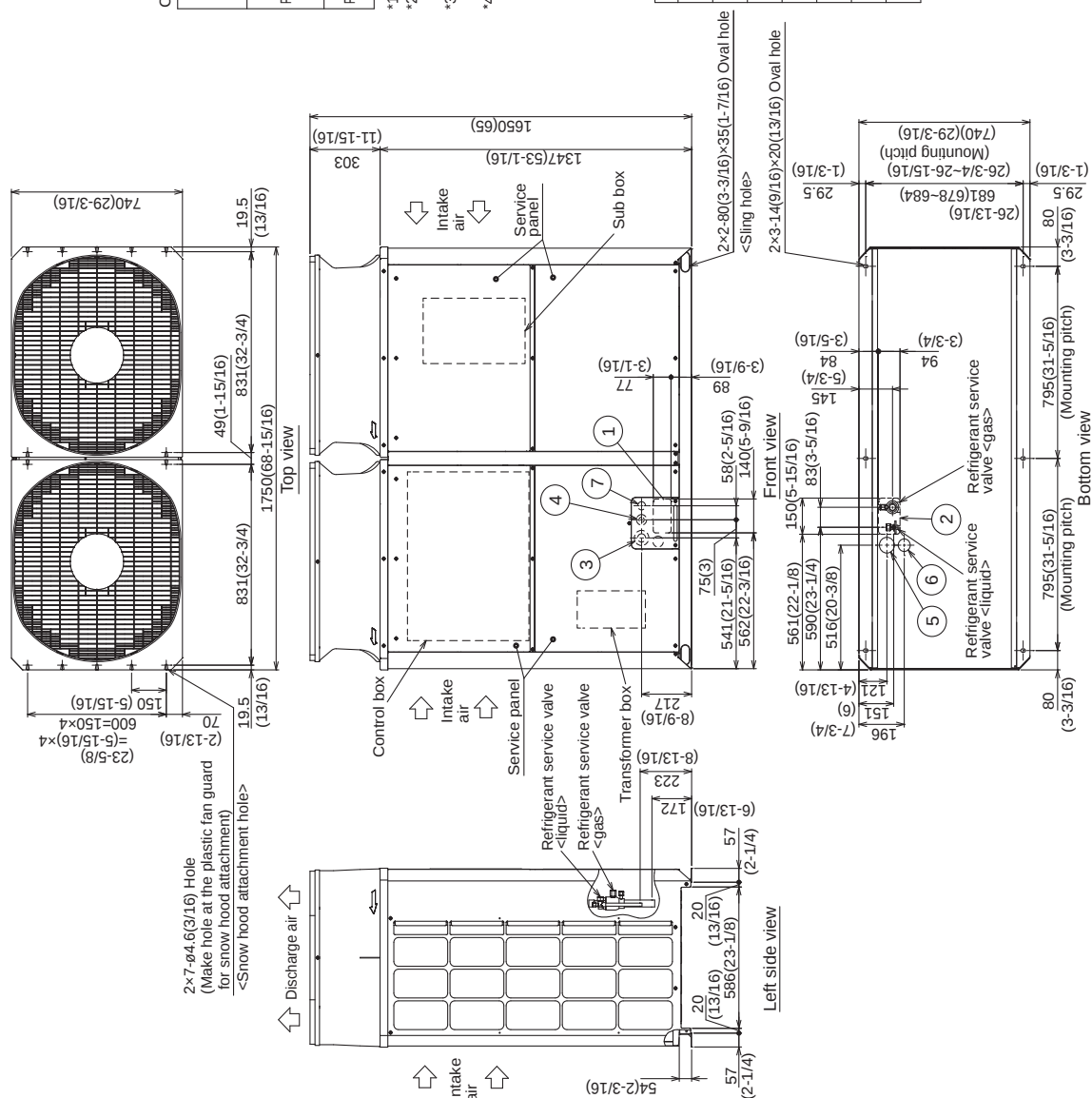
*2 Use the pipe joint(field supply) and connect to the refrigerant service valve piping.

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

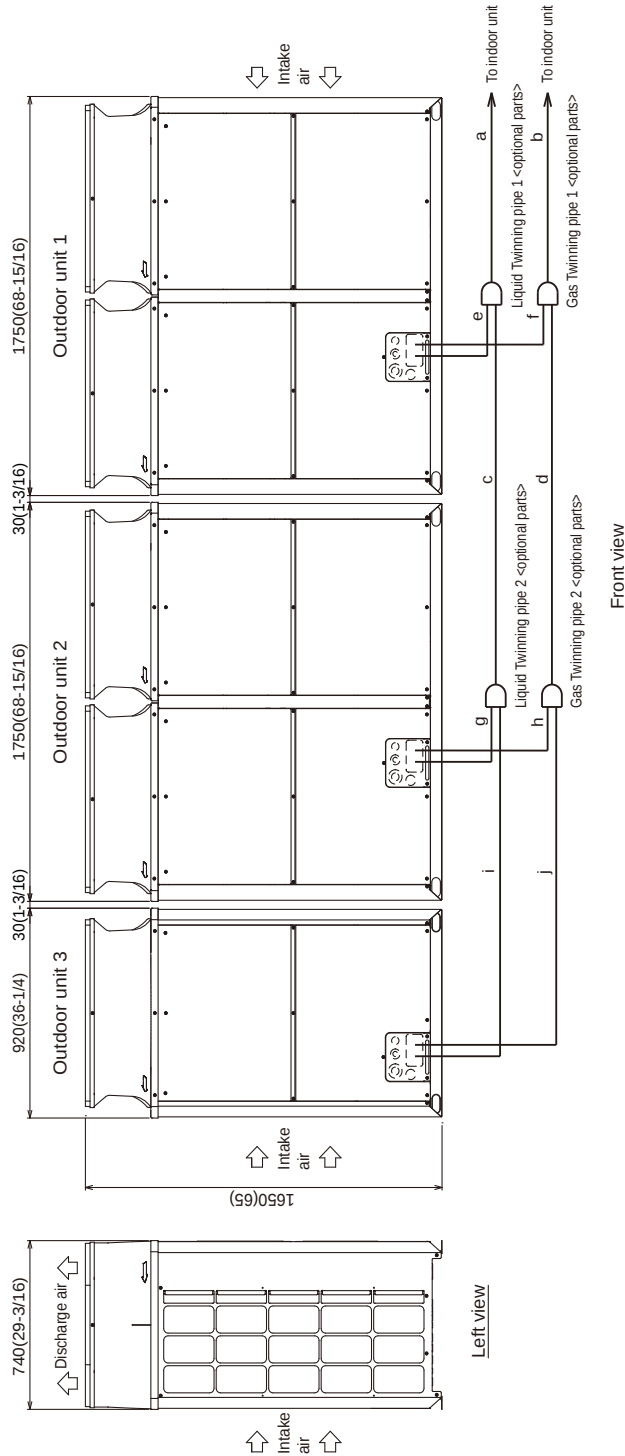
*4 Furthest piping length (OU from IU)≥40m(131ft)

NO.	Usage	Specifications
①	For pipes	Front through hole 140 × 77 Knockout hole (5-916) (3-116)
②		Bottom through hole 150 × 94 Knockout hole (5-1516) (3-34)
③		Front through hole ø62.7 or ø34.5 Knockout hole (2-12) (1-38)
④	For wires	Front through hole ø43.7 or ø22.2 Knockout hole (1-334) (78)
⑤		Bottom through hole ø65 Knockout hole (2-916)
⑥		Bottom through hole ø52 Knockout hole (2-116)
⑦	For transmission cables	Front through hole ø34 Knockout hole (1-38)

Unit: mm (in.)



Outdoor Unit Outline and Dimensions:



Unit: mm (in.)

Twinning pipe connection size		PUHY-P312ZSKMU-B(-BS)
Package unit name		Outdoor unit 1 PUHY-P312ZSKMU-B(-BS)
Component unit name		Outdoor unit 2 PUHY-P312ZSKMU-B(-BS)
Outdoor Twinning Kit(optional parts)		Outdoor unit 3 PUHY-P312ZSKMU-B(-BS)
Indoor unit-Twinning pipe 1		CNV-Y300CBK2
Twinning pipe 1-Twinning pipe 2		Liquid a ø19.05(3/4)
		Gas b ø34.93(1-3/8)
		Liquid c ø19.05(3/4)
		Gas d ø34.93(1-3/8)

Twinning pipe-Outdoor unit		Unit model	Liquid e or g or i	Gas f or h or j
		P72	ø9.52(3/8)	ø22.2(7/8)
		P120	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.

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

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).

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



CONFORMS TO
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CAN/CSA STD.
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