

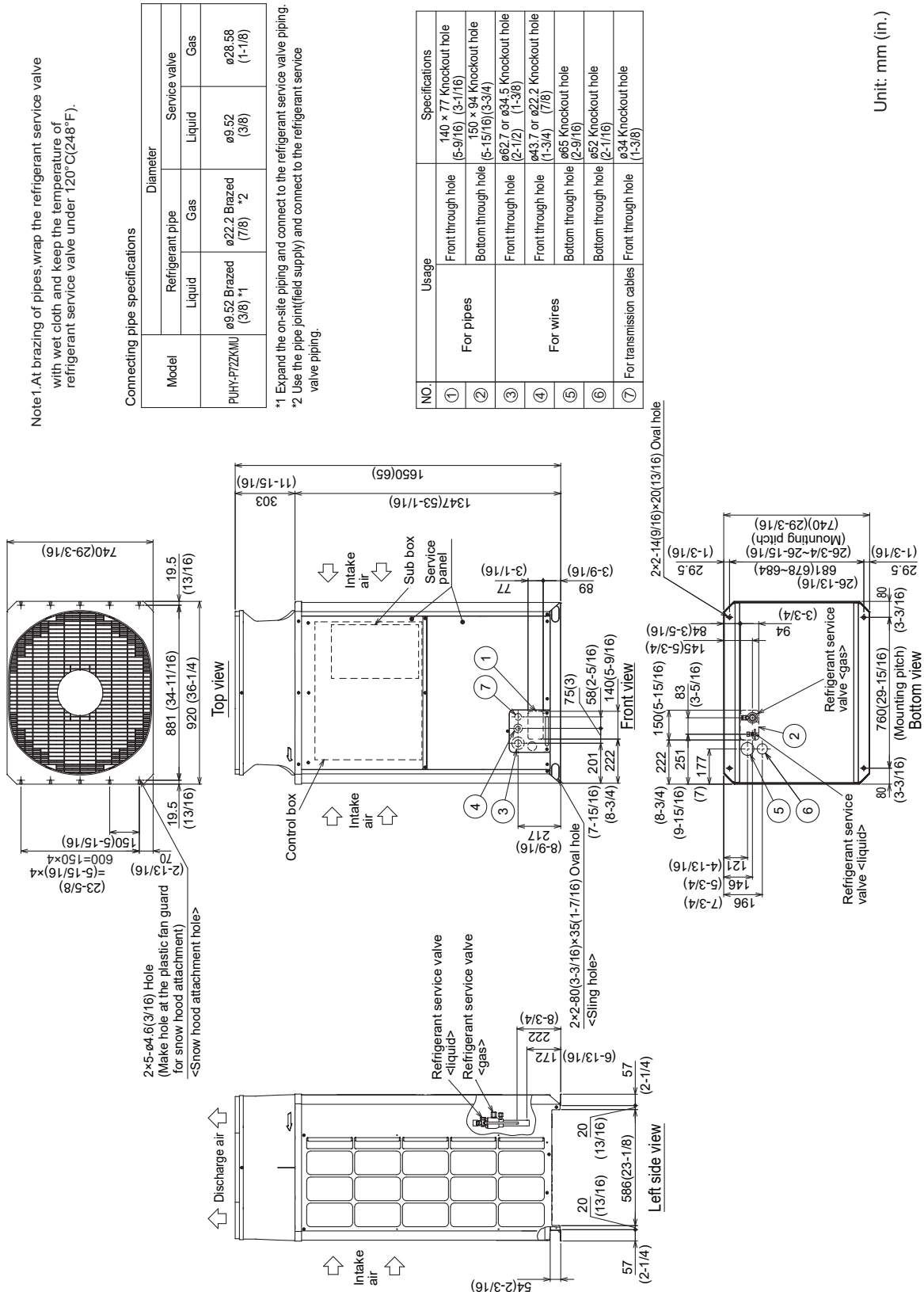
Job Name:	Location:
Schedule Reference:	Submitted By:
Submitted To:	Reference: Approval: Construction:
Engineer:	Date: Application:
 Standard Model Seacoast (-BS) Model	• Snow/Wind Guards - (See separate submittal)

Specifications:						
Indoor Model			Non-Ducted		Ducted	
Power source			3-phase 3-wire 575V ±10% 60 Hz			
Cooling capacity			BTU/h		264,000	
(Nominal)			kW		77.4	
(575) Power input			kW		20.50	
(575) Current input			A		22.8	
(Rated)			BTU/h		252,000	
(575) Power input			kW		73.9	
(575) Current input			A		23.01	
(575) Current input			A		25.6	
Temp. range of cooling			Indoor		W.B.	
			Outdoor		D.B.	
Heating capacity			BTU/h		295,000	
(Nominal)			kW		86.5	
(575) Power input			kW		23.8	
(575) Current input			A		26.5	
(Rated)			BTU/h		281,000	
(575) Power input			kW		82.4	
(575) Current input			A		22.27	
(575) Current input			A		24.8	
Temp. range of heating			Indoor		D.B.	
			Outdoor		W.B.	
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>	
					84.0	
Refrigerant			Liquid pipe		in. (mm)	
piping diameter			Gas pipe		in. (mm)	
AHRI Ratings			EER		11.30/10.80	
(Ducted / Non-Ducted)			IEER		18.2/19.00	
			COP @ 47F - COP @ 17F		3.47/3.62 - 2.52/2.16	

Set Model		PUHY-P72ZKMU-B (-BS)		PUHY-P72ZKMU-B (-BS)		PUHY-P120ZKMU-B (-BS)	
Model		PUHY-P72ZKMU-B (-BS)		PUHY-P72ZKMU-B (-BS)		PUHY-P120ZKMU-B (-BS)	
Minimum Circuit Ampacity		A		11		19	
Maximum Overcurrent Protection		A		15		30	
Fan	Type x Quantity	Propeller fan x1		Propeller fan x1		Propeller fan x2	
	Airflow rate	cfm		6,200		11,300	
		m ³ /min		175		320	
		L/s		2,920		5330	
	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		Inverter scroll hermetic compressor x1	
	Starting method	Inverter		Inverter		Inverter	
	Motor output	kW		5.6 x 1		8.2 x 1	
	Case heater	kW		0.035		0.045	
	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 36-1/4 x 29-5/32	
		mm		1650 x 920 x 740		1650 x 920 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)		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		Over-heat protection, Over-current protection	
	Compressor	-		-		-	
	Fan Motor	-		-		-	
Refrigerant	Type x original charge	R410A x 19 lbs + 13oz (9.0kg)		R410A x 19 lbs + 13oz (9.0kg)		R410A x 26 lbs + 1 oz (11.8kg)	
	Control	LEV and HIC circuit		LEV and HIC circuit		LEV and HIC circuit	
Net weight		lbs (kg)		490 (222)		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)		3/8 (9.52) Braze		1/2 (12.7) Braze	
	Gas pipe	in. (mm)		7/8 (22.2) Braze		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		17.5% to 100%		17.5% to 100%		19.2% to 100%	

Notes:							
1.Nominal Cooling conditions (Test conditions are based on AHRI 1230)				Indoor: 80°FDB./67°FWB. (26.7°CDB./19.4°CWB.), Outdoor: 95°FDB. (35°CDB.)			
2.Nominal Heating conditions (Test conditions are based on AHRI 1230)				Indoor: 70°FDB. (21.1°CDB.), Outdoor: 47°FDB./43°FWB. (8.3°CDB./6.1°CWB.)			
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:



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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		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-P142ZKMU	ø12.7 Braze (1/2) *1		

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

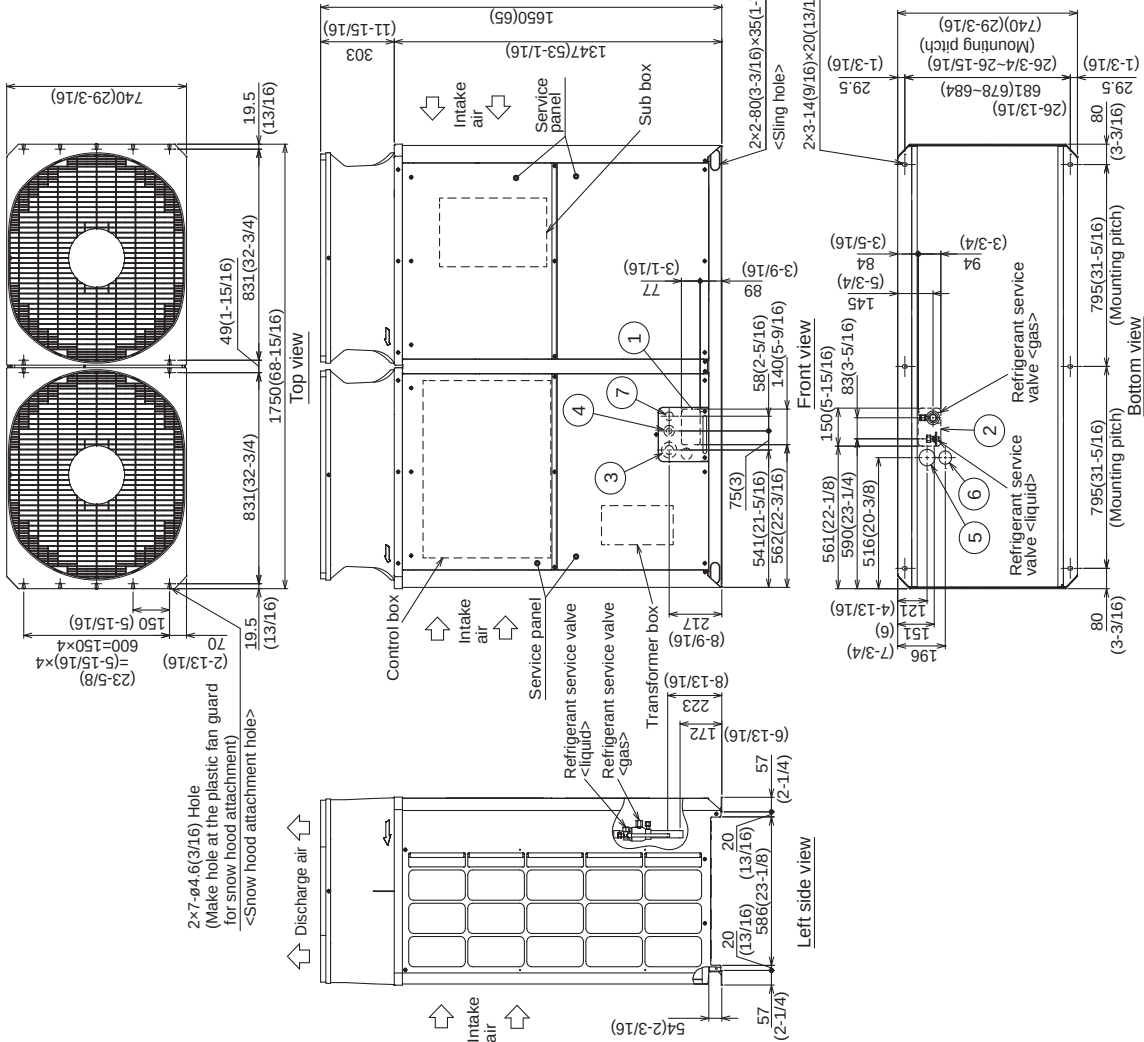
*2 Use the pipe joint (field supply) and connect to the refrigerant service valve piping.

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

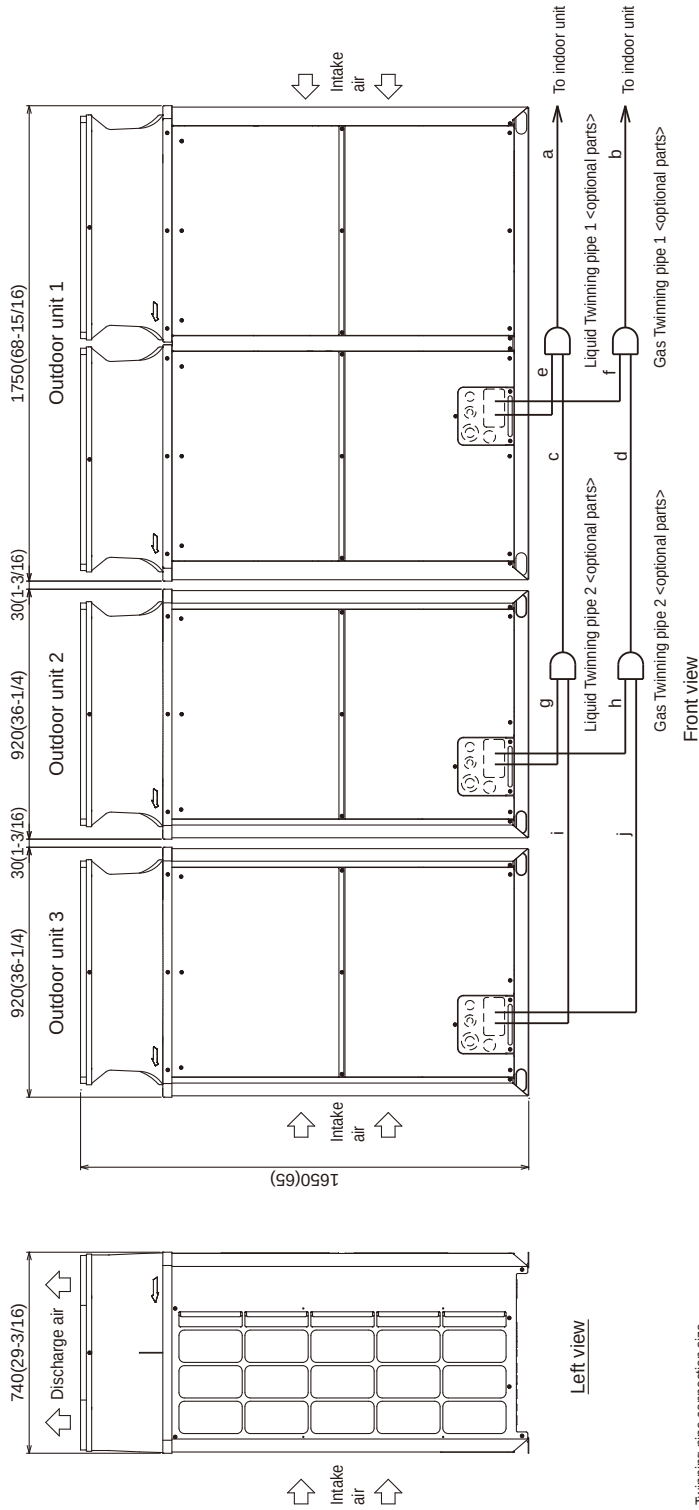
*4 Furthest piping length (OU from IU) ≥ 40m (131ft)

NO.	Usage	Specifications
①	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	ø34 Knockout hole (1-3/8)

Unit: mm (in.)



Outdoor Unit Outline and Dimensions:



Unit: mm (in.)

Front view

Left view

Twinning pipe connection size		Package unit name
Outdoor unit 1		PUHY-P264ZSKMU-B(-BS)
Outdoor unit 2		PUHY-P264ZSKMU-B(-BS)
Outdoor unit 3		PUHY-P264ZSKMU-B(-BS)
Outdoor Twinning Kit (optional parts)		CMY-Y200CBK2
Indoor unit - Twinning pipe 1	Liquid a	ø19.05(3/4)
	Gas b	ø34.93(1-3/8)
Twinning pipe 1 - Twinning pipe 2	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 for h or j
P72		P72	ø9.52(3/8)	ø22.2(7/8)
P120		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.

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