

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		240,000	
(Nominal)		kW		70.3	
(Rated)		kW		18.67	
(575)		A		20.8	
(Rated)		BTU/h		230,000	
(575)		kW		67.4	
(Rated)		kW		22.26	
(575)		A		20.34	
(Rated)		A		22.6	
Temp. range of cooling		Indoor		59 ~ 75°F (15 ~ 24°C)	
		Outdoor		23 ~ 115°F (-5 ~ 46°C)	
Heating capacity		BTU/h		270,000	
(Nominal)		kW		79.1	
(Rated)		kW		22.14	
(575)		A		24.7	
(Rated)		BTU/h		258,000	
(575)		kW		75.6	
(Rated)		kW		20.82	
(575)		A		20.07	
(Rated)		A		22.3	
Temp. range of heating		Indoor		59 ~ 81°F (15 ~ 27°C)	
		Outdoor		- 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>	
				82.5	
Refrigerant		Liquid pipe		5/8 (15.88) Brazed	
Piping diameter		Gas pipe		1-1/8 (28.58) Brazed	
AHRI Ratings		EER		10.90/10.20	
(Ducted / Non-Ducted)		IEER		17.20/17.70	
		COP @ 47F - COP @ 17F		3.45/3.55 - 2.42/2.05	

Set Model		PUHY-P120ZSKMU-B (-BS)		PUHY-P120ZSKMU-B (-BS)	
Model		19		19	
Minimum Circuit Ampacity		A		A	
Maximum Overcurrent Protection		30		30	
Fan		Propeller fan x2		Propeller fan x2	
Type x Quantity		11,300		11,300	
Airflow rate		cfm		320	
		m³/min		5,330	
		L/s		5,330	
Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
Motor output		0.92 x 2		0.92 x 2	
External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
Compressor		Inverter scroll hermetic compressor x1		Inverter scroll hermetic compressor x1	
Type x Quantity		Inverter		Inverter	
Starting method		8.2 x 1		8.2 x 1	
Motor output		0.045		0.045	
Case heater		MEL32		MEL32	
Lubricant		Pre-coated galvanized steel sheet (+powder coating for -BS type)		Pre-coated galvanized steel sheet (+powder coating for -BS type)	
External finish		<MUNSELL 5Y 8/1 or similar>		<MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		64-31/32 x 68-29/32 x 29-5/32 (1650 x 1750 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 protection, High pressure switch at 4.15 MPa (601 psi)	
		Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection	
		Compressor		Over-heat protection, Over-current protection	
		Fan Motor		-	
Refrigerant		Type x original charge		R410A x 26 lbs + 1 oz (11.8kg)	
		Control		LEV and HIC circuit	
Net weight		lbs (kg)		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		1/2 (12.7) Brazed	
		Gas pipe		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		19.2% 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).

Connecting pipe specifications

Model	Diameter			
	Refrigerant pipe		Service valve	
	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.

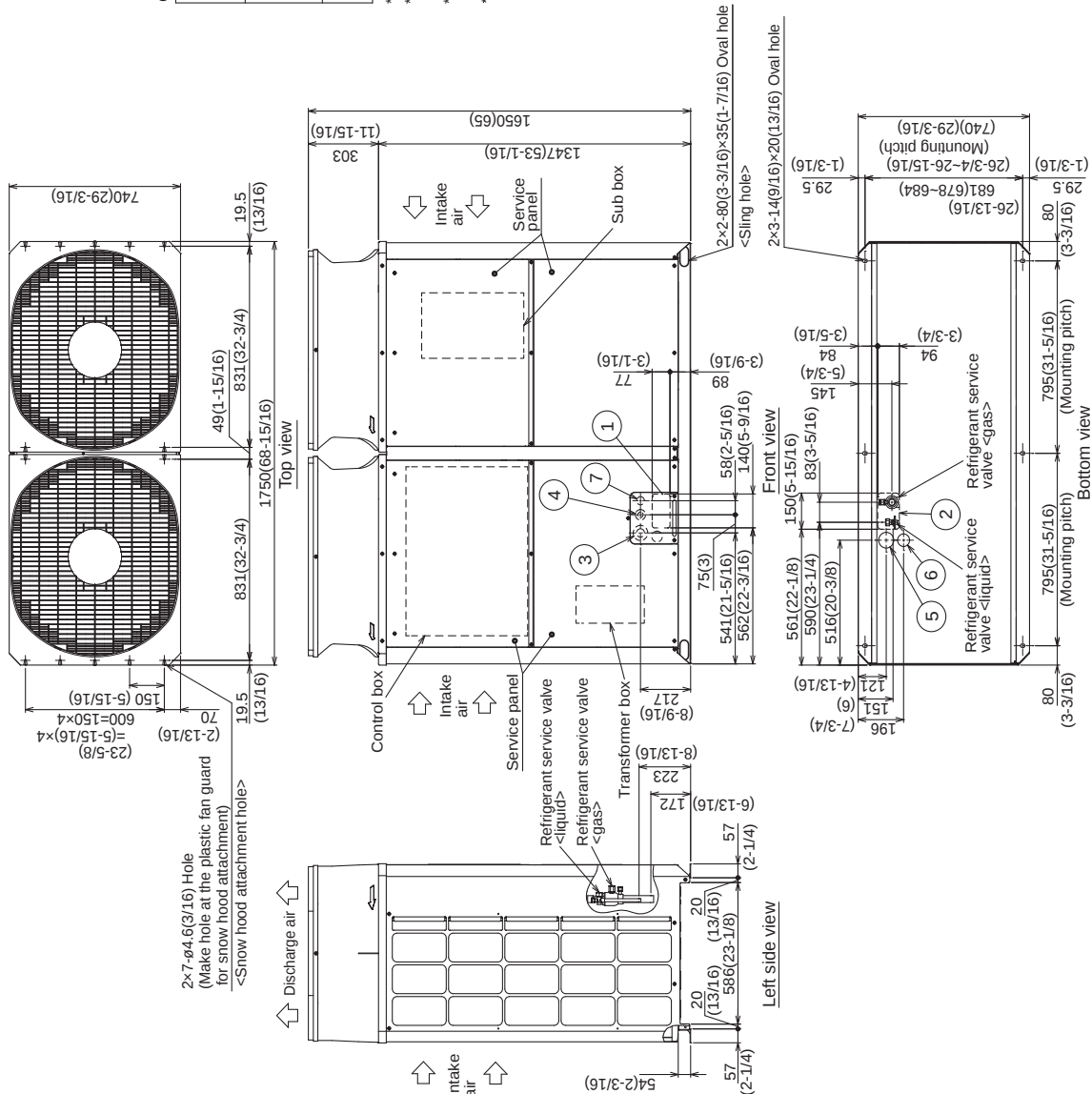
*2 Use the pipe joint (field supply) and connect to the refrigerant service valve piping.

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

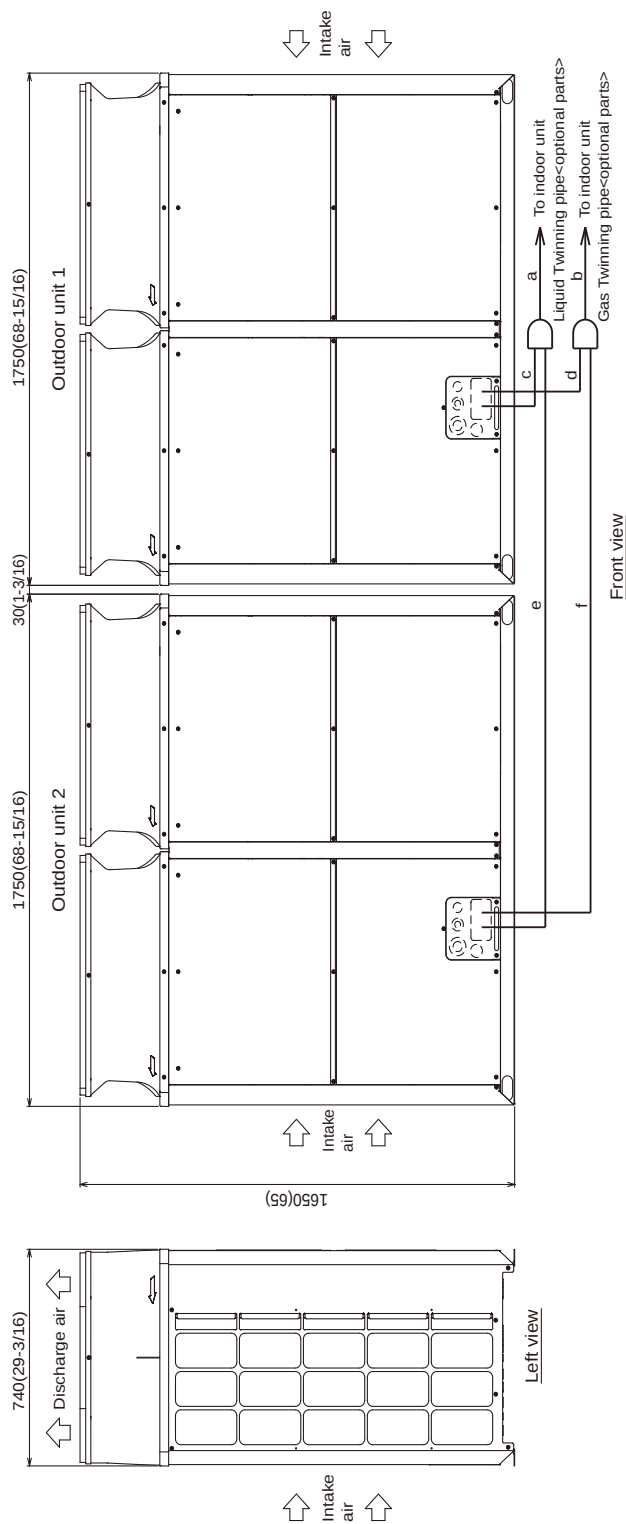
*4 Furthest piping length (OU from IU) ≥ 40m (131ft)

NO.	Usage	Specifications	
		Front through hole	Bottom through hole
①	For pipes	140 x 77 Knockout hole (5-9/16) (3-1/16)	150 x 94 Knockout hole (5-15/16) (3-3/4)
②		Bottom through hole (5-15/16) (3-3/4)	Front through hole (2-1/2) (1-3/8)
③		Front through hole (2-1/2) (1-3/8)	Front through hole (1-3/4) (7/8)
④	For wires	Front through hole (1-3/4) (7/8)	Bottom through hole (2-9/16)
⑤		Bottom through hole (2-9/16)	Bottom through hole (2-1/16)
⑥		Bottom through hole (2-1/16)	Front through hole (1-3/8)
⑦	For transmission cables	Front through hole (1-3/8)	

Unit: mm (in.)



Outdoor Unit Outline and Dimensions:



Unit: mm (in.)

Twinning pipe connection size		PUHY-P240ZSKMU-B(-BS)	
Package unit name	Component unit name	Outdoor unit 1	Outdoor unit 2
Outdoor Twinning Kit(optional parts)	Indoor unit-Twinning pipe	CMY-Y100CBK3	CMY-Y100CBK3
Liquid	Gas	a	b
Core	Gas	c or e	d or f
Unit model	Twinning pipe-Outdoor unit	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.
 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
ANSI/UL STD. 1995
CERTIFIED TO
CAN/CSA STD.
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