

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		192,000			
(Nominal)		56.3			
(575)		14.56			
(Rated)		16.2			
(575)		184,000			
(Rated)		53.9			
(575)		17.13		16.12	
(575)		19.1		17.9	
Temp. range of cooling		59 ~ 75°F (15 ~ 24°C)			
Indoor		W.B.			
Outdoor		D.B.		23 ~ 115°F (-5 ~ 46°C)	
Heating capacity		215,000			
(Nominal)		63.0			
(575)		17.16			
(Rated)		19.1			
(575)		205,000			
(Rated)		60.1			
(575)		15.88		15.78	
(575)		17.7		17.6	
Temp. range of heating		59 ~ 81°F (15 ~ 27°C)			
Indoor		D.B.			
Outdoor		W.B.		- 4 ~ 60°F (-20 ~ 15.5°C)	
Indoor unit connectable		50 ~ 130% of outdoor unit capacity			
Sound power level (measured in anechoic room)		P04 ~ P96 / 1 ~ 48			
Refrigerant		82.5			
Liquid pipe		5/8 (15.88) Brazed			
Gas pipe		1-1/8 (28.58) Brazed			
AHRI Ratings		EER		11.00/10.60	
(Ducted / Non-Ducted)		IEER		18.70/17.80	
COP @ 47F - COP @ 17F		3.48/3.68 - 2.45/2.17			

Set Model		PUHY-P72ZKMU-B (-BS)		PUHY-P120ZKMU-B (-BS)	
Model		11		19	
Minimum Circuit Ampacity		A		A	
Maximum Overcurrent Protection		15		30	
Fan		Propeller fan x1		Propeller fan x2	
Type x Quantity		6,200		11,300	
Airflow rate		175		320	
m³/min		2,920		5,330	
L/s		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
Control, Driving mechanism		0.92		0.92 x 2	
Motor output		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
External static press.		Inverter scroll hermetic compressor x1		Inverter scroll hermetic compressor x1	
Compressor		Inverter		Inverter	
Type x Quantity		5.6 x 1		8.2 x 1	
Starting method		0.035		0.045	
Motor output		MEL32		MEL32	
Case heater		Pre-coated galvanized steel sheet (+powder coating for -BS type)		Pre-coated galvanized steel sheet (+powder coating for -BS type)	
Lubricant		<MUNSELL 5Y 8/1 or similar>		<MUNSELL 5Y 8/1 or similar>	
External finish		64-31/32 x 36-1/4 x 29-5/32 (1650 x 920 x 740)		64-31/32 x 68-29/32 x 29-5/32 (1650 x 1750 x 740)	
External dimension H x W x D		in. (mm)		in. (mm)	
Protection devices		High pressure protection		High pressure protection	
Inverter circuit (COMP./FAN)		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)	
Type x original charge		LEV and HIC circuit		LEV and HIC circuit	
Control		490 (222)		748 (339)	
Net weight		Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
Heat Exchanger		Copper pipe, tube-in-tube structure		Copper pipe, tube-in-tube structure	
HIC circuit (HIC: Heat Inter-Change)		3/8 (9.52) Brazed		1/2 (12.7) Brazed	
Pipe between unit and distributor		7/8 (22.2) Brazed		1-1/8 (28.58) Brazed	
Liquid pipe		Auto-defrost mode (Reversed refrigerant cycle)		Auto-defrost mode (Reversed refrigerant cycle)	
Gas pipe					
Defrosting method		Outdoor Twinning kit: CMY-Y100CBK3			
Optional parts		Joint: CMY-Y102SS/LS-G2, CMY-Y202S/302S-G2			
		Header: CMY-Y104/108/1010C-G			
Compressor Operating Range		17.5% 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°CD.B./19.4°CD.W.B.), Outdoor: 95°F.D.B. (35°CD.B.)
2.Nominal Heating conditions (Test conditions are based on AHRI 1230)	Indoor: 70°F.D.B. (21.1°CD.B.), Outdoor: 47°F.D.B./43°F.W.B. (8.3°CD.B./6.1°CD.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).

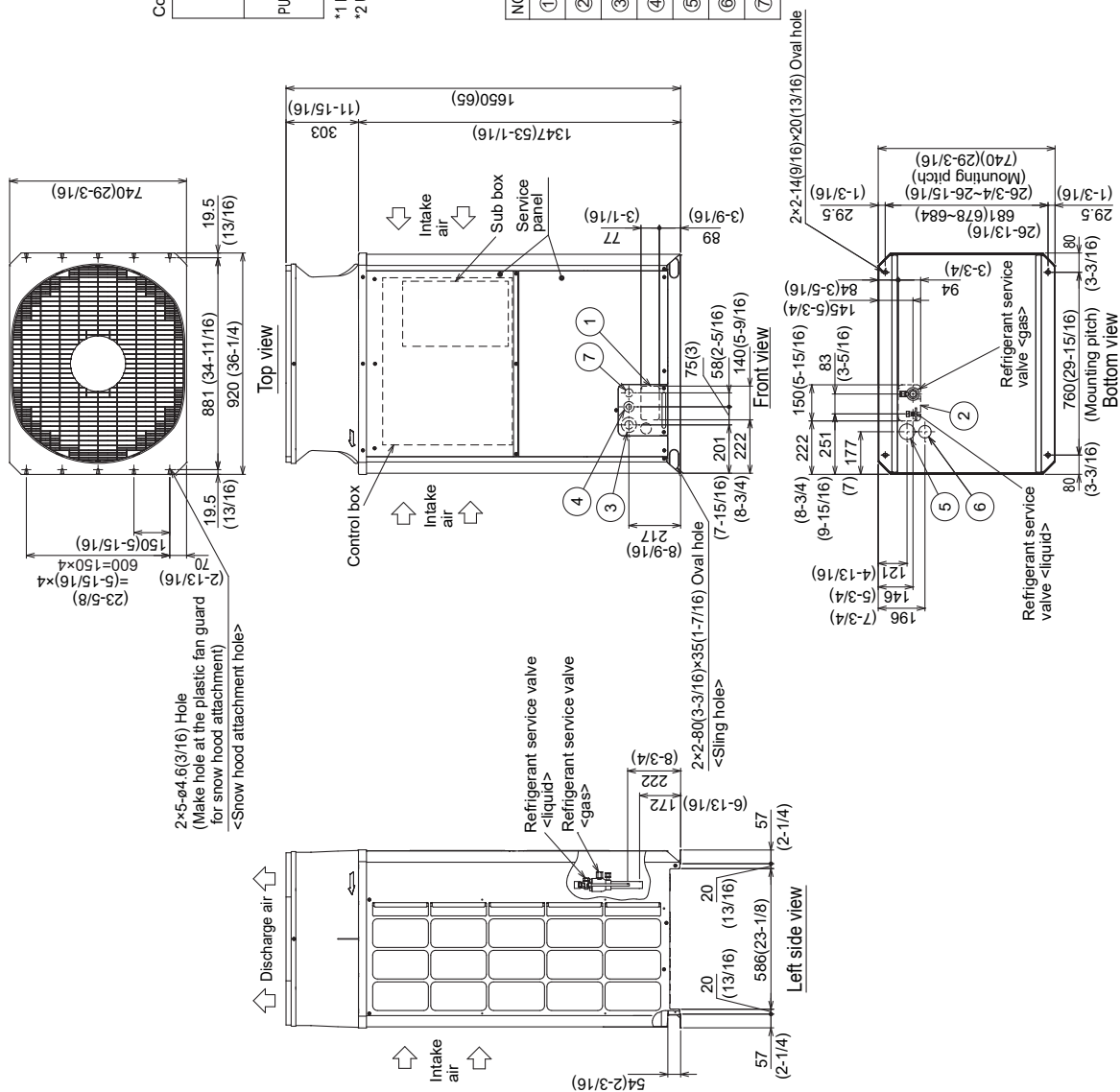
Connecting pipe specifications			
Model	Diameter		
	Refrigerant pipe		Service valve
	Liquid	Gas	Liquid Gas
PUHY-P72(M)	ø9.52 Brazed (3/8) *1	ø22.2 Brazed (7/8) *2	ø9.52 (3/8) ø28.58 (1-1/8)

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

2 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 × 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	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).

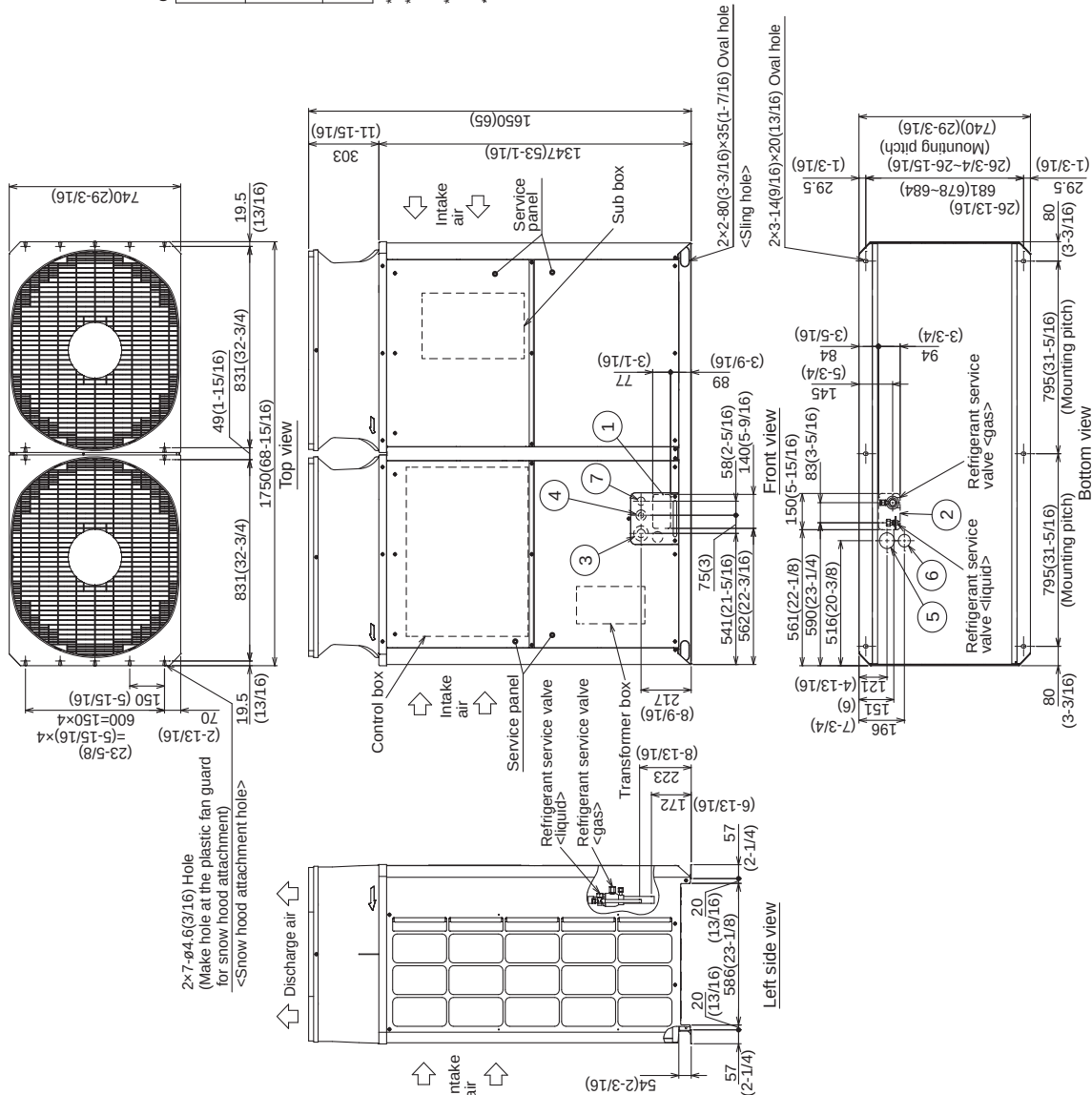
Connecting pipe specifications

Model	Diameter			
	Refrigerant pipe		Service valve	
	Liquid	Gas	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			

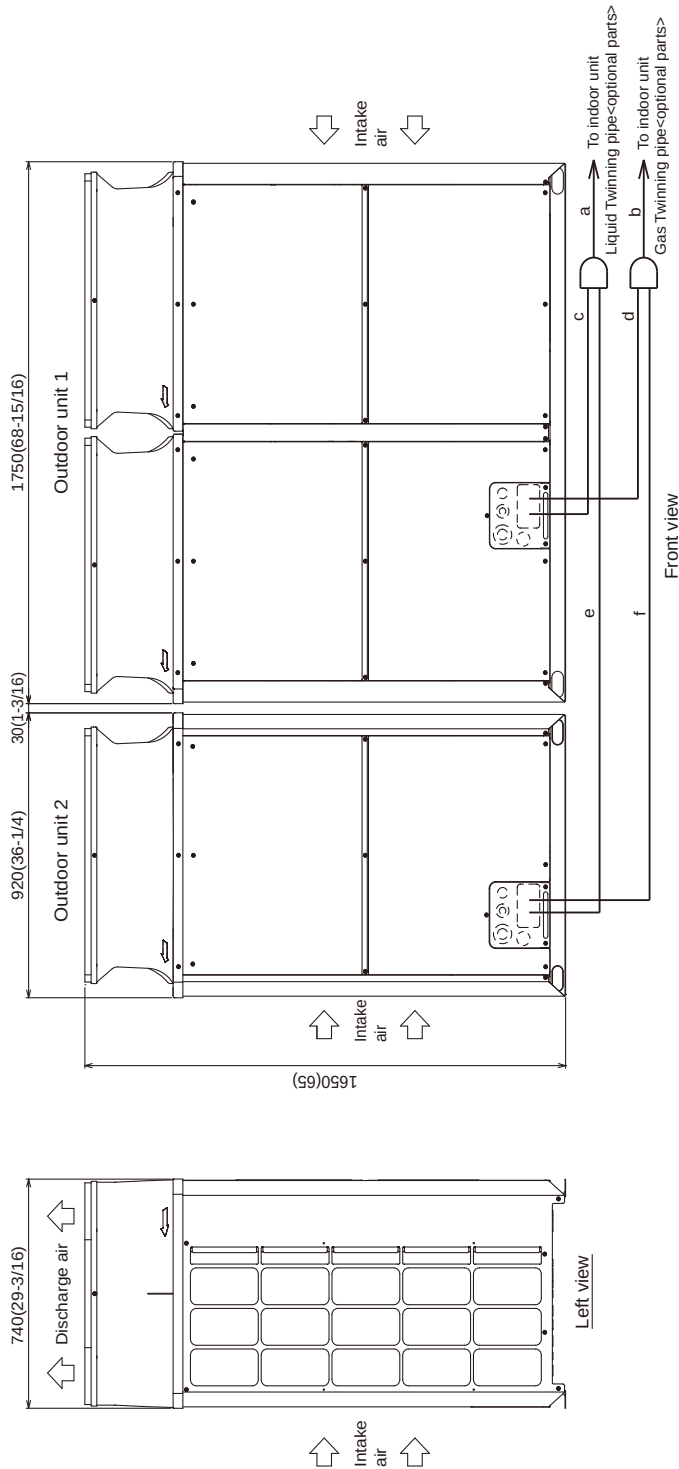
- *1 Expand the on-site piping and connect to the refrigerant service valve piping.
 *2 Use the pipe joint (field supply) and connect to the refrigerant service valve piping.
 *3 Indicates dimensions and connection specifications in the case the unit is used in combination with other outdoor units.
 *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		150 x 94 Knockout hole (5-15/16) (3-3/4)	ø62.7 or ø34.5 Knockout hole (2-1/2) (1-3/8)
③		Front through hole (ø43.7 or ø22.2 Knockout hole (1-3/4) (7/8))	Front through hole (ø43.7 or ø22.2 Knockout hole (1-3/4) (7/8))
④	For wires	Front through hole (ø65 Knockout hole (2-9/16))	Front through hole (ø65 Knockout hole (2-9/16))
⑤		Bottom through hole (ø52 Knockout hole (2-1/16))	Bottom through hole (ø52 Knockout hole (2-1/16))
⑥		Bottom through hole (ø34 Knockout hole (1-3/8))	Bottom through hole (ø34 Knockout hole (1-3/8))
⑦	For transmission cables	Front through hole (ø34 Knockout hole (1-3/8))	Front through hole (ø34 Knockout hole (1-3/8))

Unit: mm (in.)



Outdoor Unit Outline and Dimensions:



Unit: mm (in.)

Twinning pipe-Outdoor unit	Unit model	Liquid core	Gas
P72	P72	ø9.52(3/8)	ø22.2(7/8)
P120	P120	ø12.7(1/2)	ø28.58(1-1/8)

Package unit name	PUHY-P192ZSKMU-B(-BS)
Component unit name	Outdoor unit 1 PUHY-P120ZSKMU-B(-BS)
Outdoor Twinning Kit(optional parts)	CMY-Y100CBK3
Indoor unit-Twinning pipe	Liquid a ø15.88(5/8)
	Gas b 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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CERTIFIED TO
CAN/CSA STD.
C22. 2 NO. 236