

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			168,000			
(Nominal)			49.2			
Power input			12.81			
(575) Current input			14.2			
(Rated)			160,000			
Power input			46.9			
(575) Current input			13.84		13.63	
Temp. range of cooling			Indoor		59 ~ 75°F (15 ~ 24°C)	
Outdoor			D.B.		23 ~ 115°F (-5 ~ 46°C)	
Heating capacity			188,000			
(Nominal)			55.1			
Power input			14.54			
(575) Current input			16.2			
(Rated)			179,000			
Power input			52.5			
(575) Current input			13.29		13.53	
Temp. range of heating			Indoor		59 ~ 81°F (15 ~ 27°C)	
Outdoor			D.B.		- 4 ~ 60°F (-20 ~ 15.5°C)	
Indoor unit connectable			Total capacity		50 ~ 130% of outdoor unit capacity	
Model / Quantity			P04 ~ P96 / 1 ~ 42			
Sound power level (measured in anechoic room)			83.5			
Refrigerant			5/8 (15.88) Brazed			
piping diameter			1-1/8 (28.58) Brazed			
AHRI Ratings			11.30/11.40			
(Ducted / Non-Ducted)			22.70/19.20			
EER			3.54/3.83 - 2.60/2.19			
IEER						
COP @ 47F - COP @ 17F						

Set Model			
Model		PUHY-P72ZKMU-B (-BS)	PUHY-P96ZKMU-B (-BS)
Minimum Circuit Ampacity		11	15
Maximum Overcurrent Protection		15	25
Fan	Type x Quantity	Propeller fan x1	Propeller fan x1
	Airflow rate	6,200	6,700
	m³/min	175	190
	L/s	2,920	3,170
Compressor	Control, Driving mechanism	Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	Motor output	0.92	0.92
	External static press.	0 in.WG (0 Pa)	0 in.WG (0 Pa)
	Type x Quantity	Inverter scroll hermetic compressor x1	Inverter scroll hermetic compressor x1
External finish	Starting method	Inverter	Inverter
	Motor output	5.6 x 1	6.9 x 1
	Case heater	0.035	0.035
	Lubricant	MEL32	MEL32
External dimension H x W x D		64-31/32 x 36-1/4 x 29-5/32 (1650 x 920 x 740)	64-31/32 x 48-1/16 x 29-5/32 (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		490 (222)	563 (255)
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	3/8 (9.52) Brazed	3/8 (9.52) Brazed
	Gas pipe	7/8 (22.2) Brazed	7/8 (22.2) Brazed
Defrosting method		Auto-defrost mode (Reversed refrigerant cycle)	Auto-defrost mode (Reversed refrigerant cycle)
Optional parts		Outdoor Twinning kit: CMY-Y100CBK3	
		Joint: CMY-Y102S/LS-G2, CMY-Y202S-G2	
		Header: CMY-Y104/108/1010C-G	
Compressor Operating Range		17.5% to 100%	12.5% 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

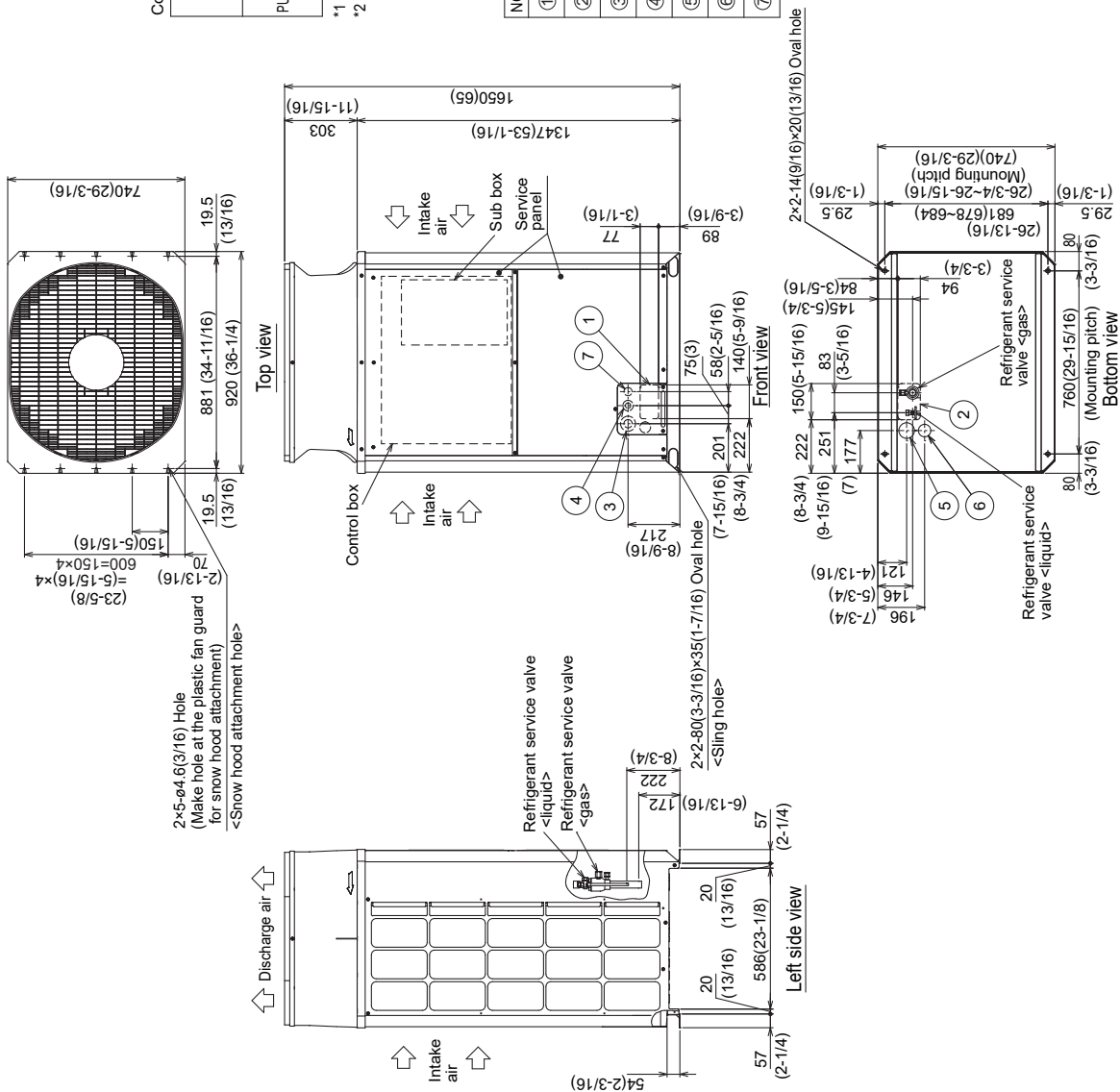
Model	Diameter			
	Refrigerant pipe		Service valve	
	Liquid	Gas	Liquid	Gas
PUHY-P72ZKMU	ø9.52 Braze (3/8) *1	ø22.2 Braze (7/8) *2	ø9.52 (3/8)	ø28.58 (1-1/8)

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

*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 × 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:

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).

Model	Refrigerant pipe		Diameter		Service valve	
	Liquid	Gas	Liquid	Gas	Liquid	Gas
PUHY-P96ZKMU	ø9.52 Brazed (3/8) *1 (ø12.7 Brazed) (1/2) *2 *3	ø22.2 Brazed (7/8) *2	ø9.52 (3/8)	ø28.58 (1-1/8)	ø9.52 (3/8)	ø28.58 (1-1/8)

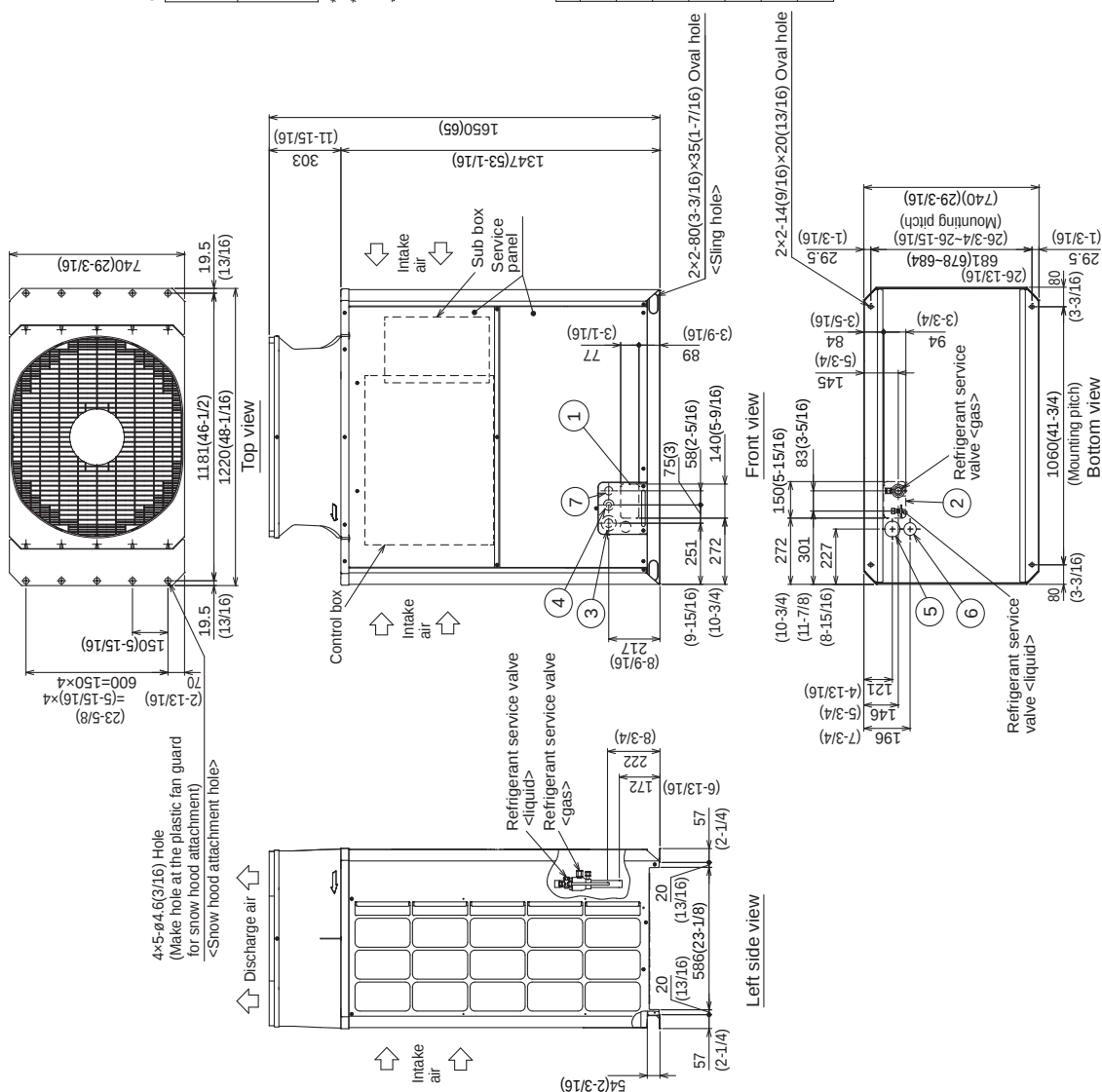
*1 Expand the on-site piping and connect to the refrigerant service valve piping.

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

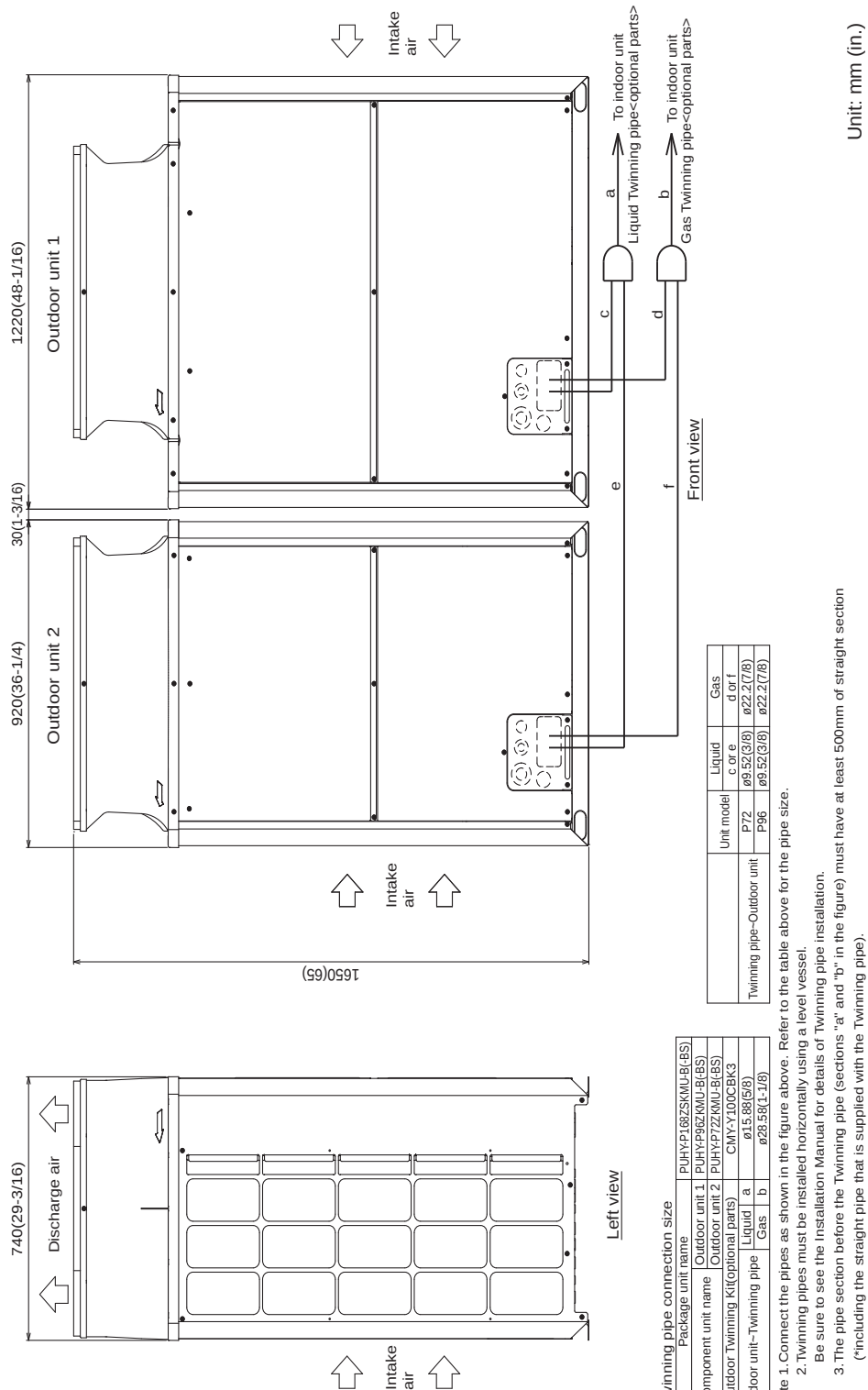
*3 Furthest piping length (OU from U) ≥ 90m (295ft)

NO.	Usage	Specifications
①	Front through hole	140 x 77 Knockout hole (5-9/16) (3-1/16)
②	Bottom through hole	150 x 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	Front through hole	ø34 Knockout hole (1-3/8)

Unit: mm (in.)



Outdoor Unit Outline and Dimensions:



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