

Job Name:

Schedule Reference:

Date:



OUTDOOR VRF HEAT PUMP SYSTEM

ACCESSORIES

- T-Branch Joint ($\leq 72,000$ Btu/h) CMY-Y102SS-G2
- T-Branch Joint (73,000 - 144,000 Btu/h) CMY-Y102LS-G2

- Header - 4 Branch (Capacity: $\leq 72,000$ Btu/h) CMY-Y104C-G
- Header - 8 Branch (Capacity: $\leq 144,000$ Btu/h) CMY-Y108C-G
- Header - 10 Branch (Capacity: $\leq 234,000$ Btu/h) CMY-Y1010C-G

UNIT OPTION

- Standard Model.....PUHY-P96ZKMU-A
- Seacoast (BS) Model.....PUHY-P96ZKMU-A-BS

*** All electrical work shall comply with National (CEC) and local codes and regulations.**

Specifications		Model Name
Unit Type		PUHY-P96ZKMU-A (-BS)
Nominal Cooling Capacity (575 V)	Btu/h	96,000
Nominal Heating Capacity (575 V)	Btu/h	108,000
Operating Temperature Range	Cooling (Outdoor)	23~115°F (-5~46°C) DB
	Heating (Outdoor)	-4~60°F (-20~15.5°C) WB
External Dimensions (H x W x D)	In. (mm)	64-31/32 x 48-1/16 x 29-5/32 (1,650 x 1,220 x 740)
Net Weight	Lbs. (kg)	499 (226)
External Finish - Colour	(+ power coating for - BS type)	Pre-coated galvanized steel sheet - MUNSELL 5Y 8/1 or similar
Electrical Power Requirements	Voltage, Phase, Hertz	575 V, 3-Phase, 60Hz
Minimum Circuit Ampacity (MCA) *	A	15
Maximum Overcurrent Protection (MOP)	A	20
<i>Piping Diameter (Brazed)</i>		
From ODU to first joint or header (In. / mm)	Liquid (High Pressure)	3/8 (9.52) [1/2" (12.7mm), if length from ODU to farthest IDU is $\geq 295'$ (90m)]
	Gas (Low Pressure)	7/8 (22.2) Brazed
Max. Total Refrigerant Line Length	Ft.	3,280
Max. Refrigerant Line Length (Between ODU & IDU)	Ft.	541
Max. Control Wiring Length	Ft.	1,640
Indoor Unit	Total Capacity	50~130% of outdoor unit capacity
	Model / Quantity	P06~P96/1~20
Sound Pressure Levels	dB(A)	58.0
<i>Fan</i>		
Type x Quantity		Propeller fan x 1
Airflow Rate	CFM	6,700
External Static Pressure	In. WG	Selectable; 0, 0.12 or 0.24"WG; factory set to 0"W.G.
Compressor Operating Range		13% to 100%
Compressor Type x Quantity		Inverter scroll hermetic compressor x 1
Refrigerant		R410A x 22 lbs. + 12 oz. (10.3 kg)
Protection Devices	High Pressure	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter Circuit (Comp. / Fan)	Over-current protection
AHRI Ratings (Ducted/Non-Ducted)	EER	12.3/14.6
	IEER	22.4/27
	COP @ 47F - COP @ 17F	3.73/4.14 - 2.71/2.68
Heat Exchanger		Salt resistant cross fin & copper tube

Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.

Notes:

Note: Mitsubishi Electric (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.



Module: PUHY-P96ZKMU-A (-BS) - DIMENSIONS

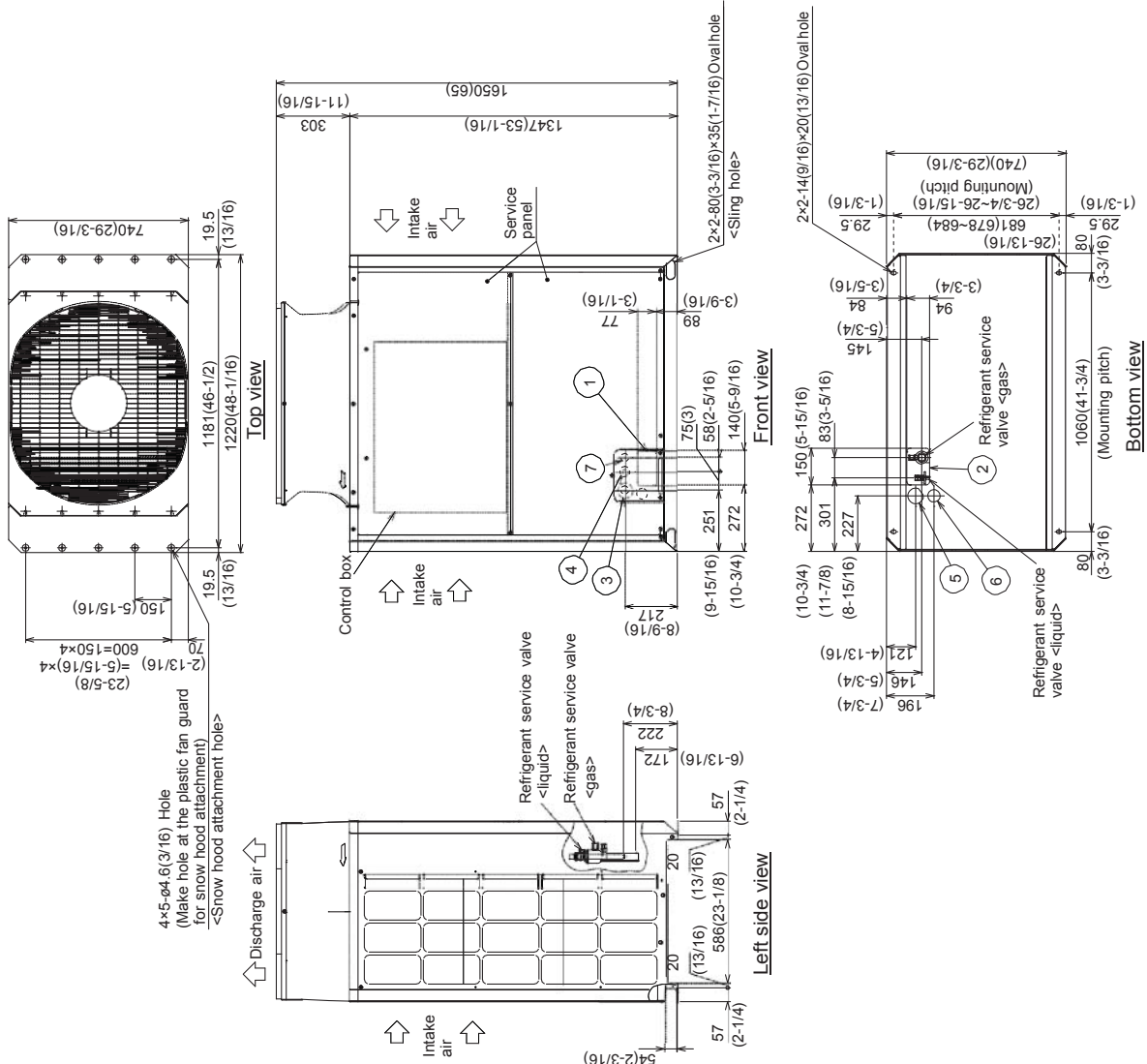
Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.
 2. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C(248°F).

Connecting pipe specifications

Model	Refrigerant pipe		Diameter	
	Liquid	Gas	Liquid	Service valve
PUHY-P96ZKMU	ø9.52 Braze (3/8) *1 (ø12.7 Braze) (1/2) *2 *3	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.
 *3 Furthest piping length (OU from IU) ≥ 90m(295ft)

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	For wires	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 ø62 Knockout hole (2-1/16)	
⑦	For transmission cables	Front through hole ø34 Knockout hole (1-3/8)



Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.

