Model: 6-TON PURY-HP72YKMU-A-H

Job Name:	
System Reference:	Date:

OUTDOOR VRF HEAT PUMP WITH HEAT RECOVERY SYSTEM FEATURES

- Innovative flash injection technology for tremendous heating capacity at lower outdoor temperatures
- Built-in base pan heater to prevent ice in drain pan
- Air-source, simultaneous cooling and heating
- INVERTER-driven compressor
- Connects to CITY MULTI indoor units
- Controlled via CITY MULTI Controls Network

OPTIONAL PARTS

- □ Joint Kit.....for details see Pipe Accesories Submittal
- □ BC Controller.....for details see BC Controller Submittals
- □ Low Ambient Kit .....for details see Low Ambient Kit Submittal
- □ Snow/Hail Guards Kit.....for details see Snow/Hail Guards Kit Submittal

Specifications			Model Name
Unit Type			PURY-HP72YKMU-A-H
Nominal Cooling (460V)	Capacity	Btu/h	72,000
Nominal Heating (460V)	Capacity	Btu/h	80,000
Operating Temperature Range *1		Cooling (Outdoor) *2	23 ~ 115° F (-5 ~ +46° C) DB
		Heating (Outdoor)	-13 ~ +60°F (-25 ~ +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	580 / 263
External finish			Pre-coated galvanized steel sheet
Electrical Power Requirements		Voltage, Phase, Hertz	460V, 3-phase, 60Hz
Minimum Circuit Ampacity (MCA)		A	26
Maximum Fuse Size		A	30
Piping Diameter (Brazed) (In. / mm)		Liquid (High Pressure)	5/8 / 15.88
		Gas (Low Pressure)	3/4 / 19.05
Indoor Unit		Total Capacity	50 to 150% of Outdoor Unit Capacity
		Model / Quantity	P06 to P96 / 1 to 18
Sound Pressure Levels		dB(A)	58
Fan			
Type x Quantity			Propeller Fan x 1
Airflow Rate		CFM	6,200
Compressor Operating Range			Cooling: 30% to 100%
			Heating: 15% to 100%
Compressor Type x Quantity			Inverter-driven Scroll Hermetic x 1
Refrigerant			R410A x 26 lbs + 1 oz (11.8 kg)
Lubricant			MEL32
Protection Devices		High-pressure	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
		Inverter circuit (COMP./FAN)	Over-current protection
		Fan motor	Thermal switch
AHRI Ratings (Ducted/Non-Ducted)		EER	12.9 / 13.0
		IEER	17.2 / 18.4
		COP	3.61 / 3.55
Simultaneous Rating (Ducted/Non-Ducted)		SCHE *3	22.7 / 22.6

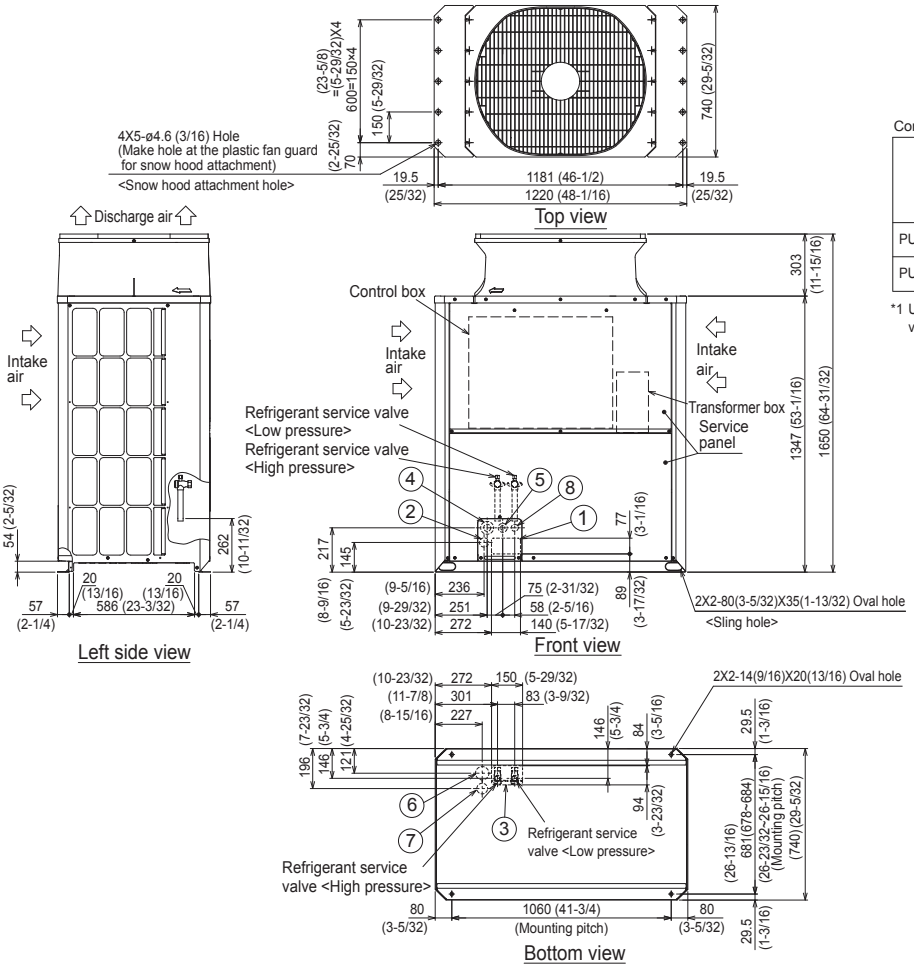
NOTES:
*1. Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region.
*2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.
*3. Simultaneous Cooling and Heating Efficiency

Specifications are subject to change without notice.

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Model: PURY-HP72YKMU-A-H – DIMENSIONS

Unit: mm (in.)



Note1. 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	Diameter			
	Refrigerant pipe		Service valve	
	High pressure	Low pressure	High pressure	Low pressure
PURY-HP72YKMU-A	ø15.88 Brazed (5/8) *1	ø19.05 Brazed (3/4) *1	ø25.4 (1)	ø25.4 (1)
PURY-HP96YKMU-A	ø19.05 Brazed (3/4) *1	ø22.2 Brazed (7/8) *1	ø25.4 (1)	ø25.4 (1)

*1 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 (5-17/32) (3-1/16)
②		Front through hole (Uses when twinning kit (optional parts) is mounted.)	ø45 Knockout hole (1-25/32)
③		Bottom through hole	150 × 94 Knockout hole (5-29/32) (3-23/32)
④	For wires	Front through hole	ø62.7 or ø34.5 Knockout hole (2-15/32) (1-3/8)
⑤		Front through hole	ø43.7 or ø22.2 Knockout hole (1-3/4) (7/8)
⑥		Bottom through hole	ø65 Knockout hole (2-9/16)
⑦		Bottom through hole	ø52 Knockout hole (2-1/16)
⑧	For transmission cables	Front through hole	ø34 Knockout hole (1-11/32)

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