

Job Name:

System Reference:

Date:

208/230V OUTDOOR VRF HEAT RECOVERY SYSTEM**UNIT OPTION**☒ Standard Model.....PURY-EP72TNU-A1**ACCESSORIES**☒ Big Foot Stand.....for details see Big Foot Stands submittals☒ BC Controller (Required).....for details see BC Controller Submittals☒ Joint Kit.....for details see Pipe Accessories Submittal☒ Low Ambient Kit.....for details see Low Ambient Kit Submittal☒ Panel Heater Kit.....for details see Panel Heater Kit Submittal☒ Snow/Hail Guards Kit.....for details see Snow/Hail Guards Kit Submittal

Specifications			System
Unit Type			PURY-EP72TNU-A1
Cooling Capacity (Nominal)		BTU/H	72,000
Heating Capacity (Nominal)		BTU/H	80,000
Guaranteed Operating Range	Cooling	°F [°C]	23~126 [-5.0~52.0]
	Heating	°F [°C]	-13~60 [-25.0~15.5]
Extended Operating Range	Heating	°F [°C]	-27.4~60 [-33.0~15.5]
External Dimensions (H x W x D)		In. [mm]	71-5/8 x 36-1/4 x 29-3/16 [1,818 x 920 x 740]
Net Weight		Lbs. [kg]	519 [235]
External Finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) [MUNSELL 5Y 8/1]	
Electrical Power Requirements		Voltage, Phase, Hertz, Power Tolerance	208/230V, 3-phase, 60 Hz, ±10%
Minimum Circuit Ampacity		A	33.0/30.0
Maximum Overcurrent Protection		A	50/50
Recommended Fuse Size		A	35/30
Recommended Minimum Wire Size		AWG [mm]	8/10 [8.4/5.3]
SCCR		kA	5
Refrigerant Piping Diameter	Liquid (High Pressure)	In. [mm]	5/8 [15.88] Brazed
	Gas (Low Pressure)	In. [mm]	3/4 [19.05] Brazed
Max. Total Refrigerant Line Length		Ft.	1,804
Max. Refrigerant Line Length (Between ODU & IDU)		Ft.	541
Max. Control Wiring Length		Ft.	1,640
Indoor Unit Connectable	Total Capacity	50.0~150.0% of outdoor unit capacity	
	Model/Quantity	P04~P96/1.0~18.0	
Sound Pressure Levels		dB(A)	75.5/77.0
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FAN ⁴	Type x Quantity	Propeller fan x 1	
	Fan Motor Output	kW	0.92
	Airflow Rate	CFM	6,000
	External Static Pressure	In. WG	Selectable; 0.00, 0.12, 0.24, 0.32, In. WG; factory set to 0 In. WG
Compressor Operating Range		15.0% to 100.0%	
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1	
	Type x Original Charge	R410A x 11.0 lbs + 7.0 oz [5.2 kg]	
Protection Devices	High Pressure Protection	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	11.8/12.2	
	IEER	22.2/23.5	
	COP	3.81/4.37	
	SCHE	25.9/25.5	

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230-2023)
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.)
Nominal heating conditions (Test conditions are based on AHRI 1230-2023)
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.)

¹Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region

²For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal

³When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating

⁴Unit will continue to operate in extended operating range, but capacity is not guaranteed

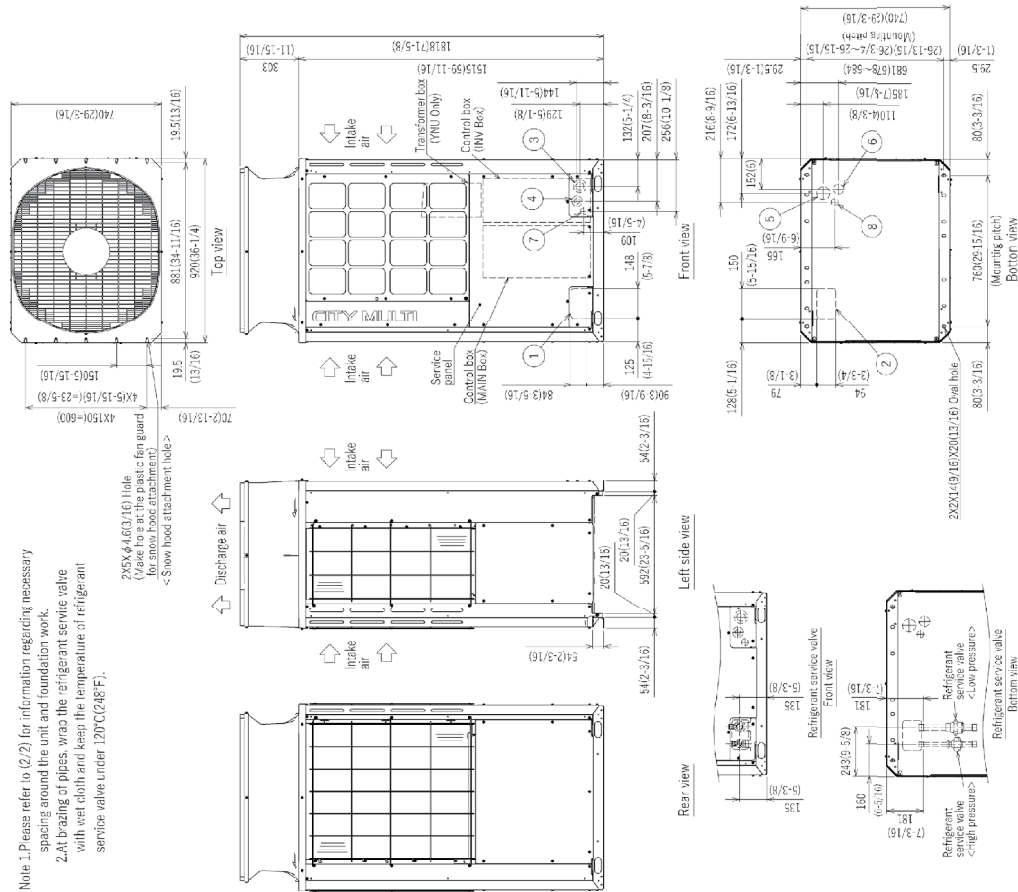
OUTDOOR UNIT: PURY-EP72TNU-A1 – DIMENSIONS

PURY-EP72T/YNU-A1

Unit: mm(in)

Note	Diameter		
	Refrigerant pipe *1	Service valve	
	High pressure	High pressure	
(E)72	41.5(1.6)	3(0.12)	28.5(1.1)
	Low pressure	Low pressure	
	41.5(1.6)	3(0.12)	28.5(1.1)

*1 Connect the refrigerant pipe to the service valve according to the installation Manual.



No.	Usage	Specifications
①	Front through hole	148(5.8) X 84(3.3) Knockout hole
②	For pipes	Bottom through hole 130(5.1) X 84(3.3) Knockout hole
③	Front through hole	130(5.1) X 84(3.3) Knockout hole
④	For wires	Front through hole 130(5.1) X 84(3.3) Knockout hole
⑤	Bottom through hole	130(5.1) X 84(3.3) Knockout hole
⑥	Front through hole	130(5.1) X 84(3.3) Knockout hole
⑦	For transmits or cables	Bottom through hole 130(5.1) X 84(3.3) Knockout hole
⑧	Bottom through hole	130(5.1) X 84(3.3) Knockout hole

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