

Job Name:

System Reference:

Date:

460V OUTDOOR VRF HEAT RECOVERY SYSTEM



UNIT OPTION

☒ Standard Model.....PURY-EP168YNU-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-EP168YNU-A1
Cooling Capacity (Nominal)		BTU/H	168,000
Heating Capacity (Nominal)		BTU/H	188,000
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 68-15/16 x 29-3/16 [1,818 x 1,750 x 740]
Net Weight		Lbs. [kg]	807 [366]
External Finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) [MUNSELL 5Y 8/1]	
Electrical Power Requirements		Voltage, Phase, Hertz, Power Tolerance	460V, 3-phase, 60 Hz, ±10%
Minimum Circuit Ampacity		A	35.0
Maximum Overcurrent Protection		A	50
Recommended Fuse Size		A	40
Recommended Minimum Wire Size		AWG [mm]	8 [8.4]
SCCR		kA	5
Refrigerant Piping Diameter	Liquid (High Pressure)	In. [mm]	7/8 [22.2] Braze
	Gas (Low Pressure)	In. [mm]	1-1/8 [28.58] Braze
Max. Total Refrigerant Line Length		Ft.	1,968
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~P96/1.0~42.0	
Sound Pressure Levels		dB(A)	62.5/66.5
Sound Power Levels		dB(A)	81.0/85.5
FAN ⁴	Type x Quantity	Propeller fan x 2	
	Fan Motor Output	kW	0.92+0.92
	Airflow Rate	CFM	14,850
	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 23.0 lbs + 12.0 oz [10.8 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	10.0/10.1	
	IEER	20.2/22.6	
	COP	3.3/3.8	
	SCHE	24.7/28.3	

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

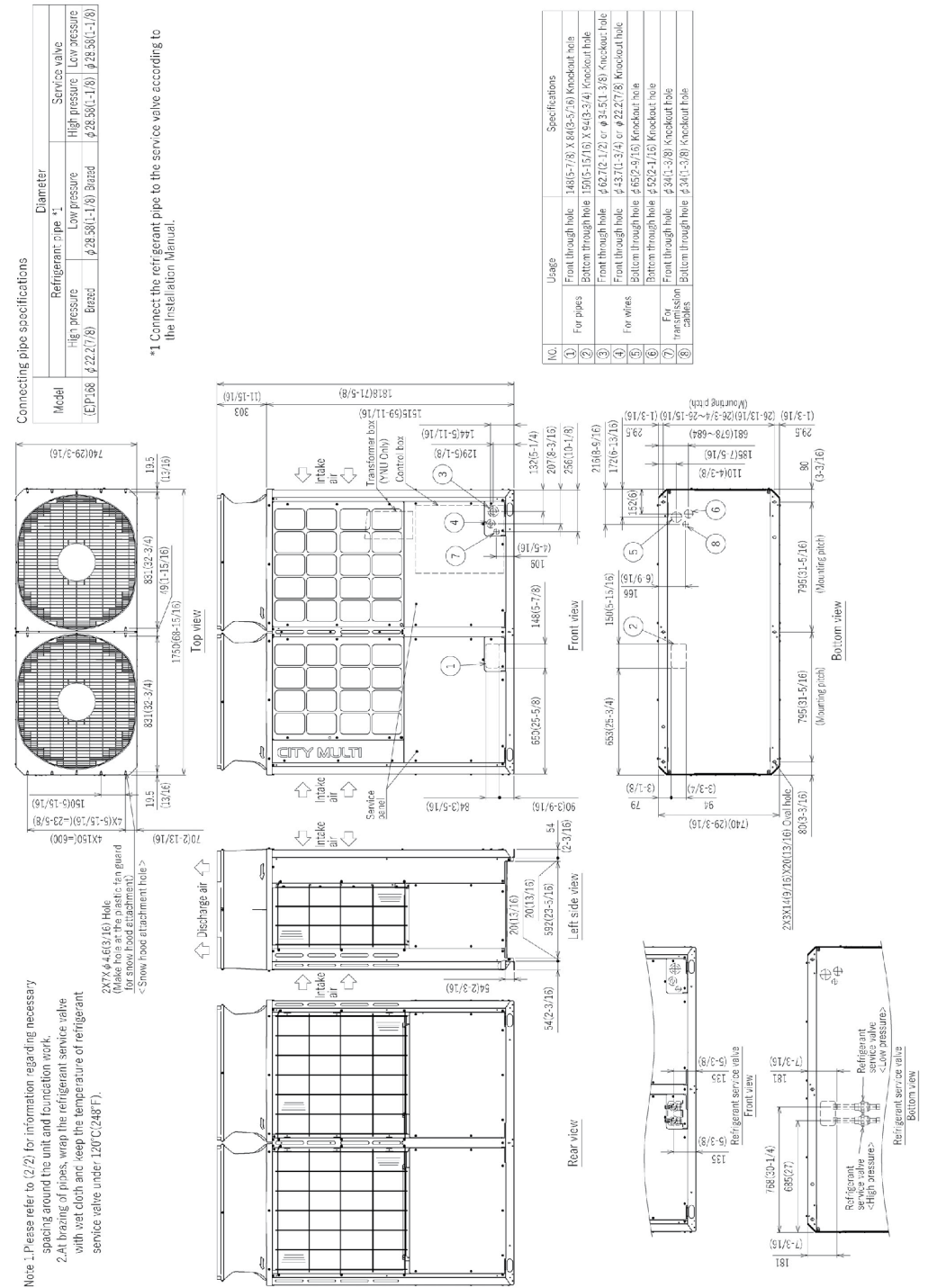
³When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating

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

OUTDOOR UNIT: PURY-EP168YNU-A1 – DIMENSIONS

PURY-EP168T/YNU-A1

Unit: mm(in)



1340 Satellite Boulevard Suwanee, GA 30024
Toll Free: 800-433-4822 www.mehvac.com



FORM# PURY-EP168YNU-A1 - 202405