

Job Name:

System Reference:

Date:

**208/230V OUTDOOR VRF HEAT RECOVERY SYSTEM****UNIT OPTION**
 Standard Model.....PURY-P120TNU-A  
 Seacoast (BS) Model.....PURY-P120TNU-A-BS
**ACCESSORIES**
 BC Controller (Required).....for details see BC Controller Submittals  
 Joint Kit.....for details see Pipe Accessories 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-P120TNU-A(-BS)	
Cooling Capacity (Nominal)		BTU/H	120,000
Heating Capacity (Nominal)		BTU/H	135,000
Guaranteed Operating Range <sup>1</sup>	Cooling <sup>2</sup>	°F [°C]	23~126 [-5.0~52.0]
	Heating <sup>3</sup>	°F [°C]	-4~60 [-20.0~15.5]
Extended Operating Range	Heating	°F [°C]	-18~60 [-18.0~15.5]
External Dimensions (H x W x D)		In. [mm]	71-5/8 x 48-7/8 x 29-5/32 [1,818 x 1,240 x 740]
Net Weight		Lbs. [kg]	598 [271]
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	43.0/40.0
Maximum Overcurrent Protection		A	70/60
Recommended Fuse Size		A	50/50
Recommended Minimum Wire Size		AWG [mm]	6/6 [13.3/13.3]
SCCR		kA	5
Refrigerant Piping Diameter	Liquid (High Pressure)	In. [mm]	3/4 [19.05] Brazed
	Gas (Low Pressure)	In. [mm]	1-1/8 [28.58] Brazed
Max. Total Refrigerant Line Length		Ft.	1968
Max. Refrigerant Line Length (Between ODU & IDU)		Ft.	541
Max. Control Wiring Length		Ft.	1640
Indoor Unit Connectable	Total Capacity		50.0~150.0% of outdoor unit capacity
	Model/Quantity		P05~P96/1.0~30.0
Sound Pressure Levels		dB(A)	60.0~62.0
Sound Power Levels		dB(A)	80.0/80.5
FAN <sup>4</sup>	Type x Quantity		Propeller fan x 2
	Airflow Rate	CFM	8300
	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
Refrigerant	Type x Original Charge		R410A x 17 lbs + 10.0 oz [8.0 kg]
Protection Devices	High Pressure Protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter Circuit (Comp./Fan)		Over-heat protection, Over-current protection
	Fan Motor		Over-current protection
AHRI Ratings (Ducted/Non-ducted)	EER		12.1/13.2
	IEER		23.3/28.8
	COP		3.61/4.01
	SCHE		25.3/29.1

**NOTES:**

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.)  
 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.)

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

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

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

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

