

Job Name:

System Reference:

Date:

208/230V OUTDOOR VRF HEAT RECOVERY SYSTEM



UNIT OPTION

Standard Model.....TURYE0723AN40AN

Seacoast (BS) Model.....TURYE0723AN40AB

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			TURYE0723AN40A(N/B)
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)	56.5/58.0
Sound Power Levels		dB(A)	75.5/77.0
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 DB./67°F WB. (26.7°C DB./19.4°C WB.), Outdoor: 95°F DB. (35°C DB.)

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

Indoor: 70°F DB. (21.1°C DB.), Outdoor: 47°F DB./43°F WB. (8.3°C DB./6.1°C WB.)

¹Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region²For details on extended cooling operation range down to -10°F DB, see Low Ambient Kit Submittal³When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating⁴Unit will continue to operate in extended operating range, but capacity is not guaranteed

OUTDOOR UNIT: TURYE0723AN40A(N/B) – DIMENSIONS

PURY-EP72TNU-A(-BS)

Unit: mm(in)

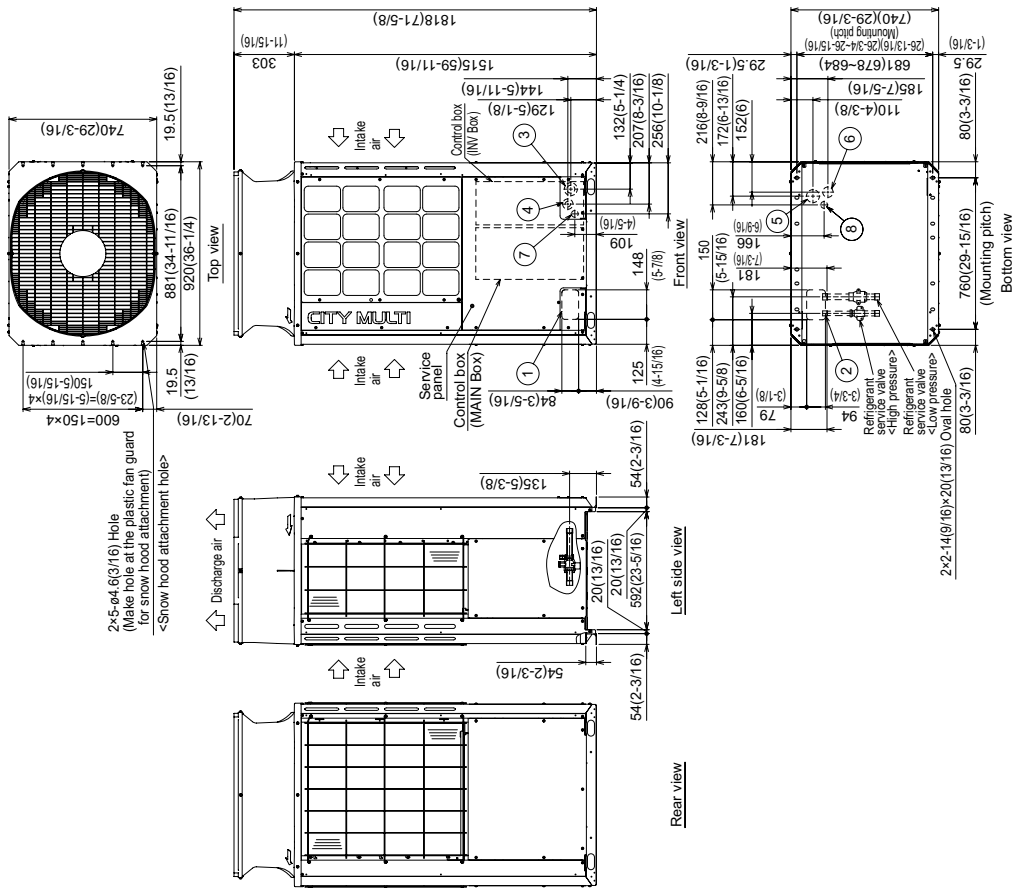
Note 1. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C(248°F).

Connecting pipe specifications

Model	Refrigerant pipe		Service valve	
	High pressure	Low pressure	High pressure	Low pressure
EP72	ø18.8(3/8) Brazed*1	ø19.5(3/4) Brazed*1	ø22.7(7/8)	ø28.3ø1(-18)

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

NO.	Usage	Specifications
①	For pipes	Front through hole 146(5-7/8) × 84(3-5/16) Knockout hole
②		Bottom through hole 150(5-15/16) × 94(3-3/4) Knockout hole
③		Front through hole ø62.7(2-1/2) or ø34.5(1-3/8) Knockout hole
④		Front through hole ø45.7(1-3/4) or ø22.7(7/8) Knockout hole
⑤		Bottom through hole ø65(2-9/16) Knockout hole
⑥		Bottom through hole ø52(2-1/16) Knockout hole
⑦		Front through hole ø34(1-3/8) Knockout hole
⑧	For transmission cables	Bottom through hole ø34(1-3/8) Knockout hole



NOTES:
SEACOAST PROTECTION
Anti-corrosion Protection: A coating treatment is applied to condenser coil for protection from air contaminants.
Standard: Salt Spray Test Method - no unusual rust development to 480 hours.
Sea Coast (BS): Salt Spray Test Method (JRA 9002) - no unusual rust development to 960 hours.

