

Job Name:

System Reference:

Date:

460V OUTDOOR VRF HEAT RECOVERY SYSTEM



UNIT OPTION

Standard Model.....TURYP0964AN40AN

Seacoast (BS) Model.....TURYP0964AN40AB

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			TURYP0964AN40A(N/B)
Cooling Capacity (Nominal)		BTU/H	96,000
Heating Capacity (Nominal)		BTU/H	108,000
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]	-18.0~60 [-18.0~15.5]
External Dimensions (H x W x D)		In. [mm]	71-5/8 x 48-7/8 x 29-3/16 [1,818 x 1,240 x 740]
Net Weight		Lbs. [kg]	611 [277]
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 19.0
Maximum Overcurrent Protection			A 30
Recommended Fuse Size			A 20
Recommended Minimum Wire Size	AWG [mm]		12 [3.3]
SCCR	kA		5
Refrigerant Piping Diameter	Liquid (High Pressure)	In. [mm]	3/4 [19.05] Brazed
	Gas (Low Pressure)	In. [mm]	7/8 [22.2] 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~P96/1.0~24.0
Sound Pressure Levels			dB(A) 58.5/60.0
Sound Power Levels			dB(A) 77.5/79.0
FAN ⁴	Type x Quantity		Propeller fan x 2
	Fan Motor Output	kW	0.46+0.46
	Airflow Rate	CFM	7,400
	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 17.0 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
AHRI Ratings (Ducted/Non-ducted)	EER		11.1/11.5
	IEER		22.2/23.8
	COP		3.88/4.14
	SCHE		23.5/28.3

NOTES:
 Nominal cooling conditions (Test conditions are based on AHRI 1230-2023)
 Indoor: 80°FDB./67°FWB. (26.7°CDB./19.4°CWB.), Outdoor: 95°FDB. (35°CDB.)
 Nominal heating conditions (Test conditions are based on AHRI 1230-2023)
 Indoor: 70°FDB. (21.1°CDB.), Outdoor: 47°FDB./43°FWB. (8.3°CDB./6.1°CWB.)

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: TURYP0964AN40A(N/B) – DIMENSIONS

TURYP(096/120/144)4AN40A(N/B)

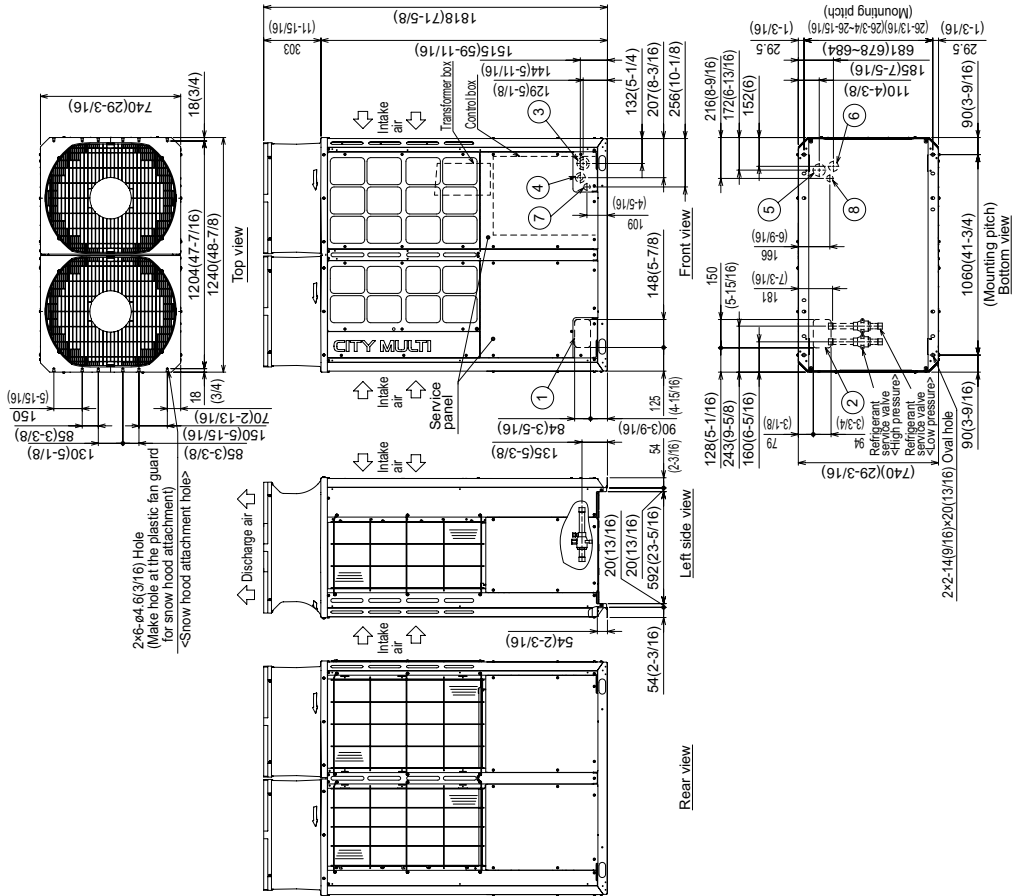
Unit: mm(in)

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).

Model	Refrigerant pipe		Diameter		Service valve	
	High pressure	Low pressure	High pressure	Low pressure	High pressure	Low pressure
P096	ø19.05(3/4) Brazed*1	ø22.2(7/8) Brazed*1	ø28.58(1-1/8)	ø28.58(1-1/8)	ø28.58(1-1/8)	ø28.58(1-1/8)
P120	ø19.05(3/4) Brazed*1	ø22.2(7/8) Brazed*1	ø28.58(1-1/8) Brazed	ø28.58(1-1/8) Brazed	ø28.58(1-1/8)	ø28.58(1-1/8)
P144	ø22.2(7/8) Brazed*1	ø22.2(7/8) Brazed*1	ø28.58(1-1/8) Brazed	ø28.58(1-1/8) Brazed	ø28.58(1-1/8)	ø28.58(1-1/8)

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

NO.	Usage	Specifications
①	Front through hole	148(5-7/8) x 84(3-3/4) Knockout hole
②	Bottom through hole	150(5-9/16) x 84(3-3/4) Knockout hole
③	Front through hole	ø62.7(2-1/2) or ø64.5(1-3/8) Knockout hole
④	Front through hole	ø43.7(1-3/4) or ø22.2(7/8) Knockout hole
⑤	Bottom through hole	ø65(2-9/16) Knockout hole
⑥	Bottom through hole	ø32(1-1/8) Knockout hole
⑦	Front through hole	ø34(1-3/8) Knockout hole
⑧	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.

FORM# TURYP0964AN40A(N/B) - 202404

