

Job Name:

System Reference:

Date:



GENERAL FEATURES

- ASTM B117: Corrosion-resistant components are ASTM B117 Certified for up to 2,000 hours.
- DLC coating on Compressor sleeve: DLC (Diamond Like Carbon) coating has been added to the compressor sleeve for improved durability
- Improved Cooling Performance at High Ambient: Can maintain cooling capacity up to 109.4°F (43°C) through Dip Switch setting
- Vertical Flat Tube Heat Exchanger: The Vertical Flat Tube Heat Exchanger (VFT) reduces the refrigerant charge for improved efficiency and a reduced risk of frost build-up.
- Improved Heating Operation Range: Heating Operating Range has been extended to -22°F (-30°C)

SPECIFICATIONS			SYSTEM
UNIT TYPE			TUHYH0723AMM0AN
Cooling Capacity (Nominal)	Cooling Capacity (Nominal) ¹	Btu/h	72000
Heating Capacity (Nominal)	Heating Capacity (Nominal) ²	Btu/h	80000
Guaranteed Operating Range	Cooling	°FDB ~ °FDB [°CDB ~ °CDB]	23 ~ 125.60 [-5 ~ 52]
	Heating	°FWB ~ °FWB [°CWB ~ °CWB]	-22 ~ 59.90 [-30 ~ 15.50]
Extended Operating Range	Heating	F ~ F [C ~ C]	-27.40 ~ 59.90 [-33 ~ 15.50]
External Dimensions (H x W x D)	External Dimensions (H x W x D)	inch x inch x inch [mm x mm x mm]	70-13/16 x 35-7/8 x 29-3/16 [1798 x 910 x 740]
Net Weight	Net Weight	lbs [kg]	591 [268]
External Finish	External Finish		MUNSELL 5Y 8/1
Electrical Power Requirements	Voltage, Phase, Hertz, Power Tolerance	V AC / V AC , ø , Hz	208 / 230 , 3 , 60 , ±10%
Minimum Circuit Ampacity	Minimum Circuit Ampacity**	AWG	51 / 51
Maximum Overcurrent Protection	Maximum Overcurrent Protection**	MOP	80 / 80
Recommended Fuse Size	Recommended Fuse Size**	A	60 / 60
Recommended Minimum Wire Size	Recommended Minimum Wire Size	AWG / AWG [mm / mm]	4 / 4 [21.20 / 21.20]
SCCR	SCCR	kA	5
Refrigerant Piping Diameter	Liquid (High Pressure)	inch [mm]	3/8 [9.52]
	Gas (Low Pressure)	inch [mm]	7/8 [22.23]
Max. Total Refrigerant Line Length	Max. Total Refrigerant Line Length	ft [m]	3280 [1000]
Max. Refrigerant Line Length (Between ODU & IDU)	Max. Refrigerant Line Length (Between ODU & IDU)	ft [m]	541 [165]
Max. Control Wiring Length	Max. Control Wiring Length	ft [m]	3280 [1000]
Indoor Unit Connectable	Total Capacity		M93
	Model/Quantity		M04-M96 / 14
Sound Power Levels	Sound Power Levels (Cooling/Heating)	dB (A)	76.5 / 78.5
Fan	Type x Quantity		Propeller fan x 1
	Fan Motor Output	kW	0.92
	Airflow Rate	CFM	6356
	External Static Pressure		Selectable; 0.00, 0.12, 0.24, 0.32, In. WG; factory set to 0 In. WG
	Compressor Operating Range		13%~100%
Compressor	Type x Quantity		Scroll x 1
Refrigerant	Type x Original Charge	lbs , oz [kg]	R32 x 11 , 11 [5.30]
Protection Devices	High Pressure Protection		High pressure switch, pressure sensor at 4.15MPa
	Inverter Circuit (Comp./Fan)		overcurrent protection
AHRI Ratings (Ducted/Non-ducted)	EER		14.40 / 15.60
	IEER		23.30 / 27.80
	COP		4.20 / 4.81

Notes

¹Nominal 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.)

²Nominal 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.)

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

*For details on extended cooling operation range down to -15° F DB, see Low Ambient Kit Submittal

*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

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

**If MOCP, MCA, and Recommended Fuse Size have two values, this is for 208V/230V. Otherwise there will be one value for 460V. Please refer to the manuals for any further clarification.

OUTDOOR UNIT ACCESSORIES: TUHYH0723AMM0AN

Branch Pipe (Header)	For 8 branches with total down-stream Indoor capacity less than 144,000 Btu/h	☐	CMY-Y108C-GR1
	For 10 branches with total down-stream Indoor capacity less than 240,000 Btu/h	☐	CMY-Y1010C-GR1
	For 4 branches with total down-stream Indoor capacity less than 72,000 Btu/h	☐	CMY-Y104C-GR1
Branch Pipe (Joint)	Total down-stream Indoor capacity from 73,000 to 144,000 Btu/h	☐	CMY-Y102LS-G2R1
	Total down-stream Indoor capacity less than 72,000 Btu/h	☐	CMY-Y102SS-G2R1
Control Wire	M-Net Control Wire - 250 Foot Roll	☐	CW162S-250
	M-Net Control Wire - 1,000 Foot Roll	☐	CW162S-1000
Fin Guard	Fin Guard for Side for Small and Large Chassis	☐	PAC-FG03S-E
	Fin Guard for Rear for Small Chassis	☐	PAC-FG04B-E
Low Ambient Kit	Low Ambient Hood Assembly (main) with damper control box (Small, Extra Large Chassis)	☐	LAHX-1
	Front/Rear Wind Deflector (2x required for the Extra Large Chassis)	☐	WDX-1
	Side Wind Deflector (Small, Large, and Extra Large Chassis)	☐	SWDX-1
Shutoff Valve Kit	Shutoff Valve Kit Flare Joint Kit (32)	☐	PAC-MR10RJ-E
Snow Guards	Front and Rear Snow/Hail Guards (Small and Extra Large Chassis)	☐	SGX-3
	Snow Hood for Snow/Hail Protection (Small and Extra Large Chassis)	☐	SHX-2
	Side Snow/Hail Guards (Small, Large, and Extra Large Chassis)	☐	SGX-1
Terminal Signal Adapter	5-Pin Wiring Harness	☐	PAC-725AD
	3-Pin Wiring Harness	☐	PAC-715AD
Notes			

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