

SUBMITTAL DATA SHEET



Series Name: Multi Zone Regular Heat Series

Model Number: MZ48H525ZMO

Multi Zone Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



OUTDOOR SPECIFICATION

Compressor Type	ROTARY
Compressor Model	KTQ420D1UMU
Refrigerant	R454B
Refrigerant Oil Charge(mL)	1400
Refrigerant Oil	V74
Outdoor Air Flow (Max) (CFM)	4503
Outdoor Noise Level (dBA)	63
Dimension (WxDxH)	inch 37.48 x 16.34 x 52.48
Package (WxDxH)	inch 43.11 x 19.49 x 58.27
Net/Gross Weight	lbs 222.00/254.19

ELECTRICAL

Power Supply	208/230V, 60Hz, 1Ph
System MCA	34
Connection Wiring	AWG 14-4
System MOCP	40
Compressor RLA	24
Outdoor Fan Motor RLA	2.5
Outdoor Fan Motor W	85
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	3764/(800 ~ 5800)
System Power Input @ Heating (W)	3702/(800 ~ 5200)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

EFFICIENCY

Cooling		Heating	
SEER2	24.0	HSPF2-4	10.3
EER2	12.5	COP	3.8

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	47000
Min/Max Capacity	12000~55000
Moisture Removal(L/h)	3.3
Standard Operating Range(°F/°C)	-13~122/(-25~50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB
	Outdoor: 95°F DB/75°F WB

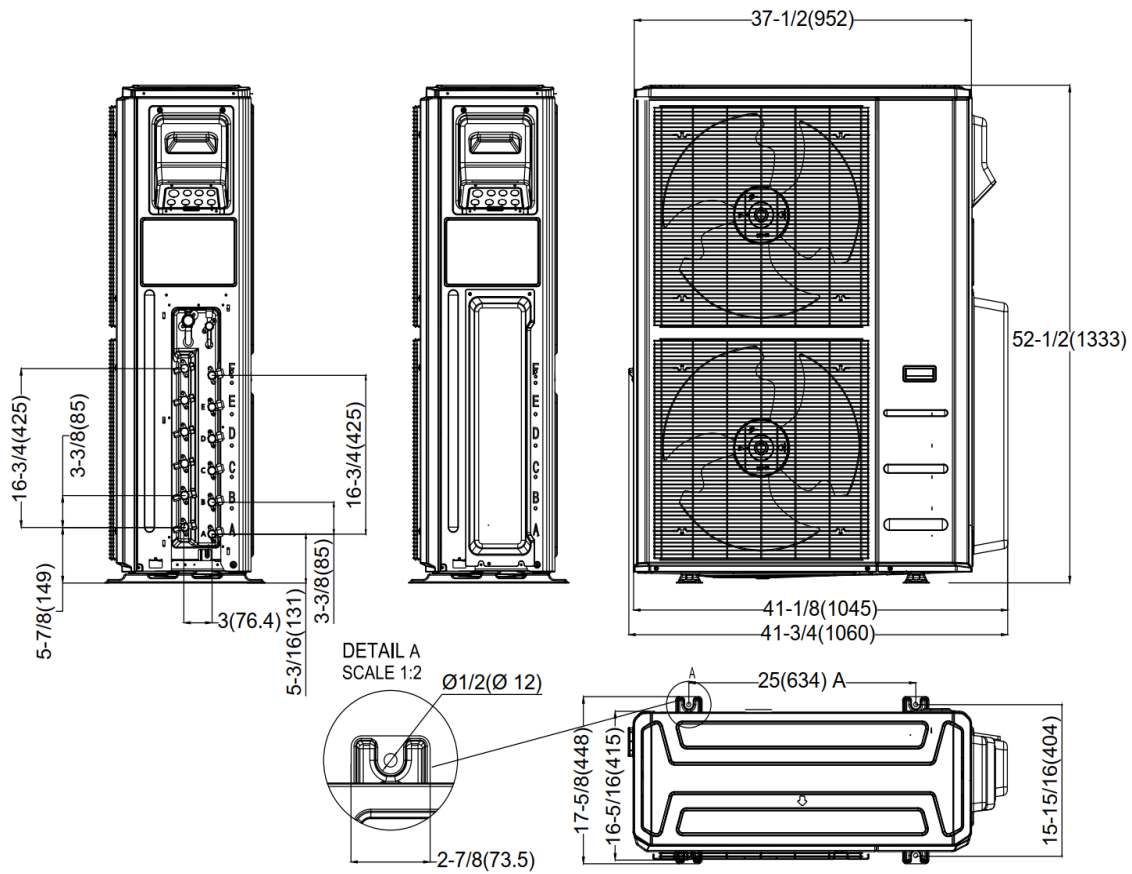
PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated	48000
1. @ 47°F Min/Max Capacity	13000~53000
2. @ 17°F Rated(H32)	38000
3. @ 5°F Rated: Capacity / COP(H42)	36000/2
3. @ 5°F Max: Capacity	36000
Standard Operating Range(°F/°C)	-13~75/(-25~24)
1. Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 47°F DB/43°F WB
2. Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 17°F DB/15°F WB
3. Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 5°F DB/5°F WB

PIPING

Liquid Size	6x6.35mm(6x1/4in)
Gas Size	(4x3/8in+2x1/2in)
Max. Piping Length for all rooms(ft/m)	262.4/(80)
Max. Piping Length for one IDU(ft/m)	114.8/(35)
Max. Height Difference of IDU and ODU(ft/m)	49.2/(15)
Refrigerant Pre-charged Amount(oz/kg)	148.15/(4.2)
Refrigerant Precharge Length(ft/m)	24.6(7.5)x6
Additional Charge of Refrigerant (Φ6.35 (1/4") liquid pipe) ((oz/ft)/(g/m))	0.16/(15)
Additional Charge of Refrigerant (Φ9.52 (3/8") liquid pipe) ((oz/ft)/(g/m))	0.32(30)
Connection Method	Flared

Outdoor Unit Dimension



Installation Instruction

