

SUBMITTAL DATA SHEET

Series Name: Multi Zone Regular Heat Series
 Model Number: MZ48H525ZMO for Ducted



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	40	
Connection Wiring	AWG 14-4	
System MOCP	45	
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)	3740/(800 ~ 6000)	
System Power Input @ Heating (W)	3532/(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	20.4	HSPF2-4	10.6
EER2	12	COP	3.9

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	45000
Min/Max Capacity	12000~52000
Moisture Removal(L/h)	2.5
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

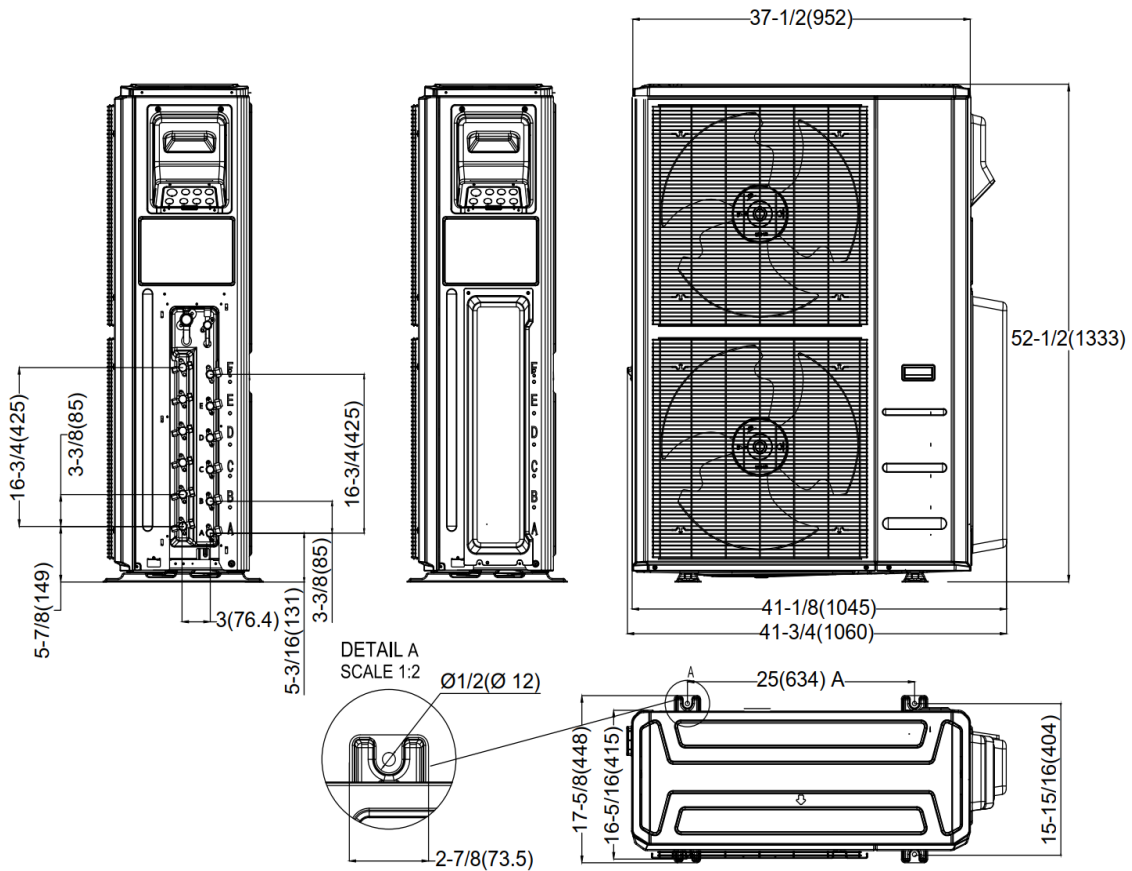
PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated	47000
1. @ 47°F Min/Max Capacity	13000~53000
2. @ 17°F Rated(H32)	37000
3. @ 5°F Rated: Capacity / COP(H42)	38000/2.1
3. @ 5°F Max: Capacity	38000
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

