

SUBMITTAL DATA SHEET



Series Name: Multi Zone Regular Heat Series
Model Number: MZ60H525ZMO 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)	64
Dimension (W×D×H)	inch 37.48 x 16.34 x 52.48
Package (W×D×H)	inch 43.11 x 19.49 x 58.27
Net/Gross Weight	lbs 237.88/270.28

ELECTRICAL

Power Supply	208/230V, 60Hz, 1Ph
System MCA	36
Connection Wiring	AWG 14-4
System MOCP	40
Compressor RLA	25
Outdoor Fan Motor RLA	2.5
Outdoor Fan Motor W	85
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	6000/(1200 ~ 6360)
System Power Input @ Heating (W)	4753/(1200 ~ 5100)
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	18.0	HSPF2-4	9.2
EER2	10	COP	3.7

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	60000
Min/Max Capacity	19000~61000
Moisture Removal(L/h)	3.1
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

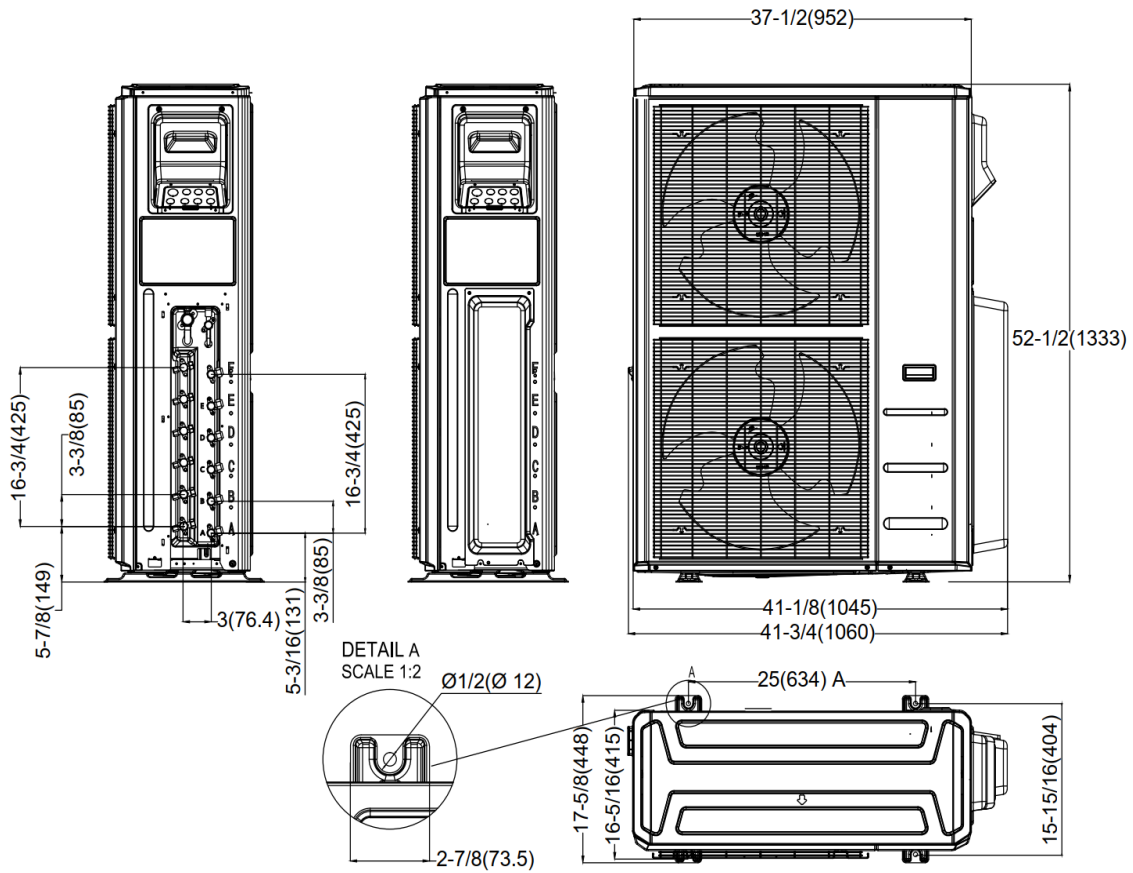
PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated	60000
1. @ 47°F Min/Max Capacity	20000~61000
2. @ 17°F Rated(H32)	39000
3. @ 5°F Rated: Capacity / COP(H42)	40000/2.1
3. @ 5°F Max: Capacity	40000
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)	151.68/(4.3)
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

