

SUBMITTAL DATA SHEET



Series Name: Multi Zone Hyper Heat Series
 Model Number: HMZ48H525ZMO

Multi Zone Heat Pump System

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



OUTDOOR SPECIFICATION

Compressor Type		TWIN-ROTARY
Compressor Model		EKPQ440D1UMUB
Refrigerant		R454B
Refrigerant Oil Charge(mL)		1300
Refrigerant Oil		VG75
Outdoor Air Flow (Max) (CFM)		4503
Outdoor Noise Level (dBA)		65
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 246.47/276.68

ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	43
Connection Wiring	AWG 14-4
System MOCP	45
Compressor RLA	27
Outdoor Fan Motor RLA	2.5
Outdoor Fan Motor W	85
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	3750/(800 ~ 5600)
System Power Input @ Heating (W)	3989/(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	21.2	HSPF2-4	10.2
EER2	12	COP	3.6

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	45000
Min/Max Capacity	12000~55000
Moisture Removal(L/h)	3.6
Standard Operating Range(°F/°C)	-22~122/(-30~50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB
	Outdoor: 95°F DB/75°F WB

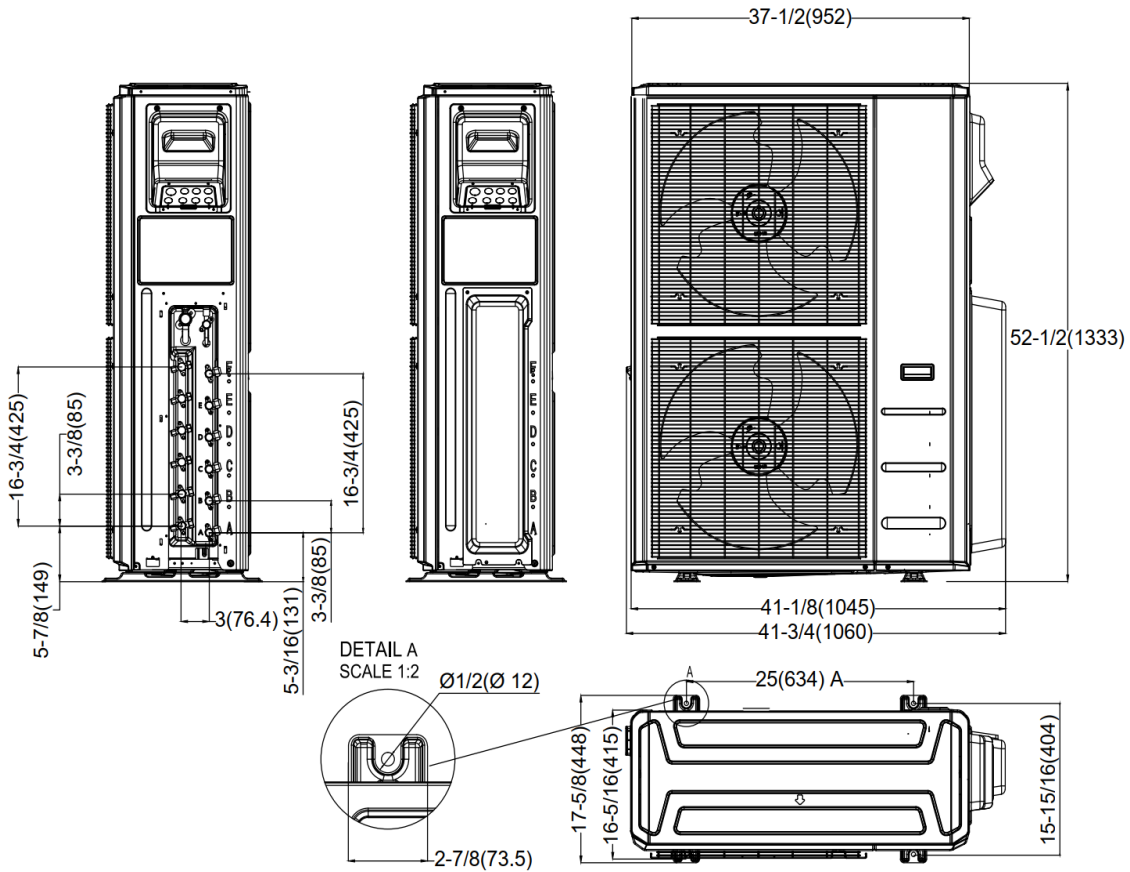
PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated	49000
1. @ 47°F Min/Max Capacity	13000~55000
2. @ 17°F Rated(H32)	40500
3. @ 5°F Rated: Capacity / COP(H42)	48000/2
3. @ 5°F Max: Capacity	48000
Standard Operating Range(°F/°C)	-22~75/(-30~24)
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

