

SUBMITTAL DATA SHEET



Series Name: Multi Zone Hyper Heat Series
 Model Number: HMZ27H525ZMO

Multi Zone Heat Pump System

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



OUTDOOR SPECIFICATION

Compressor Type	ROTARY	
Compressor Model	KTF310D43UMT	
Refrigerant	R454B	
Refrigerant Oil Charge(mL)	1000	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	2148	
Outdoor Noise Level (dBA)	61	
Dimension (WxDxH)	inch	37.24 x 16.14 x 31.89
Package (WxDxH)	inch	42.91 x 19.68 x 34.84
Net/Gross Weight	lbs	168.43/179.67

ELECTRICAL

Power Supply	208/230V, 60Hz, 1Ph	
System MCA	30	
Connection Wiring	AWG 14-4	
System MOCP	35	
Compressor RLA	17	
Outdoor Fan Motor RLA	1.3	
Outdoor Fan Motor W	120	
Indoor Fan Motor RLA	/	
Indoor Fan Motor W	/	
System Power Input @ Cooling (W)	2125/(500 ~ 3620)	
System Power Input @ Heating (W)	2082/(500 ~ 3400)	
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	23.0	HSPF2-4	10.5
EER2	12.5	COP	3.8

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	27000
Min/Max Capacity	7200~37000
Moisture Removal(L/h)	0.8
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	27000
1. @ 47°F Min/Max Capacity	8400~36000
2. @ 17°F Rated(H32)	25000
3. @ 5°F Rated: Capacity / COP(H42)	27000/2
3. @ 5°F Max: Capacity	27000
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	4x6.35mm(4x1/4in)
Gas Size	(3x3/8in+1x1/2in)
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)	120.63/(3.42)
Refrigerant Precharge Length(ft/m)	24.6(7.5)x4
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

