

SUBMITTAL DATA SHEET



Series Name: Multi Zone Hyper Heat Series
Model Number: HM227H525ZMO 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		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	14#x4
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)	2333/(500 ~ 4500)
System Power Input @ Heating (W)	2279/(500 ~4000)
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	19.0	HSPF2-4	9.5
EER2	12	COP	3.6

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	28000
Min/Max Capacity	7200~38000
Moisture Removal(L/h)	0.2
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

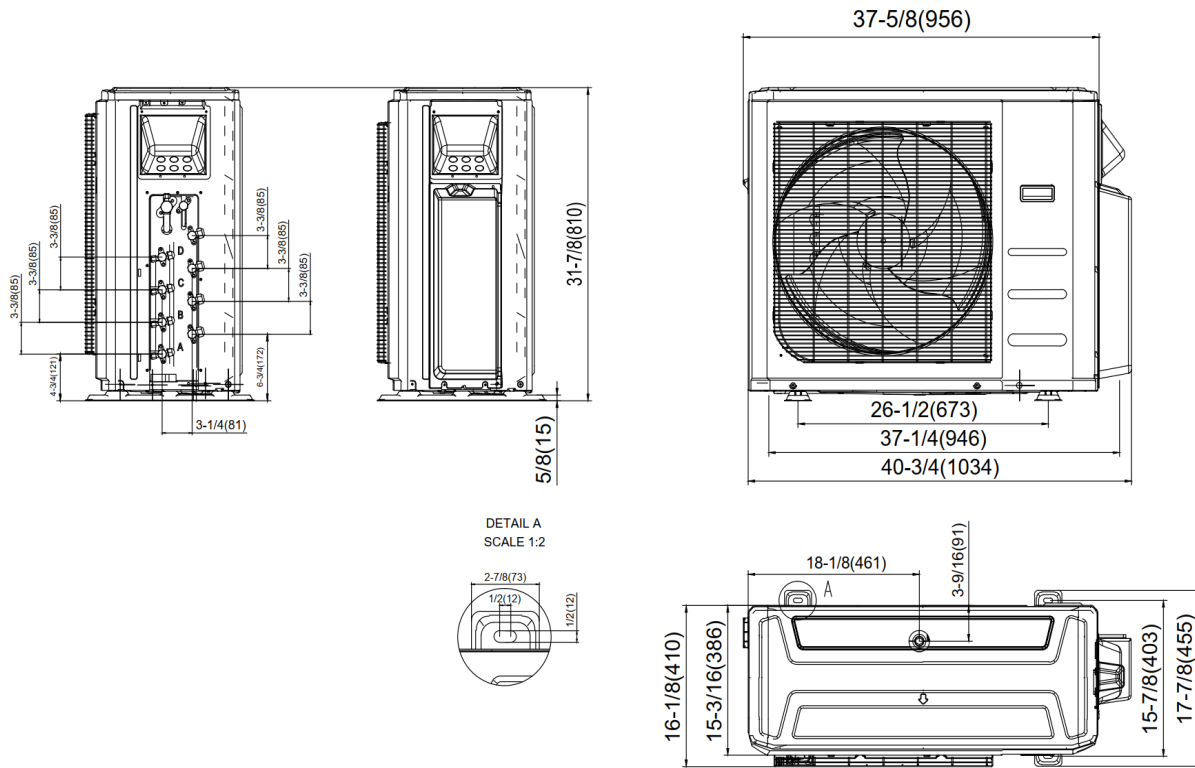
PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated	28000
1. @ 47°F Min/Max Capacity	8400~38500
2. @ 17°F Rated(H32)	23000
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

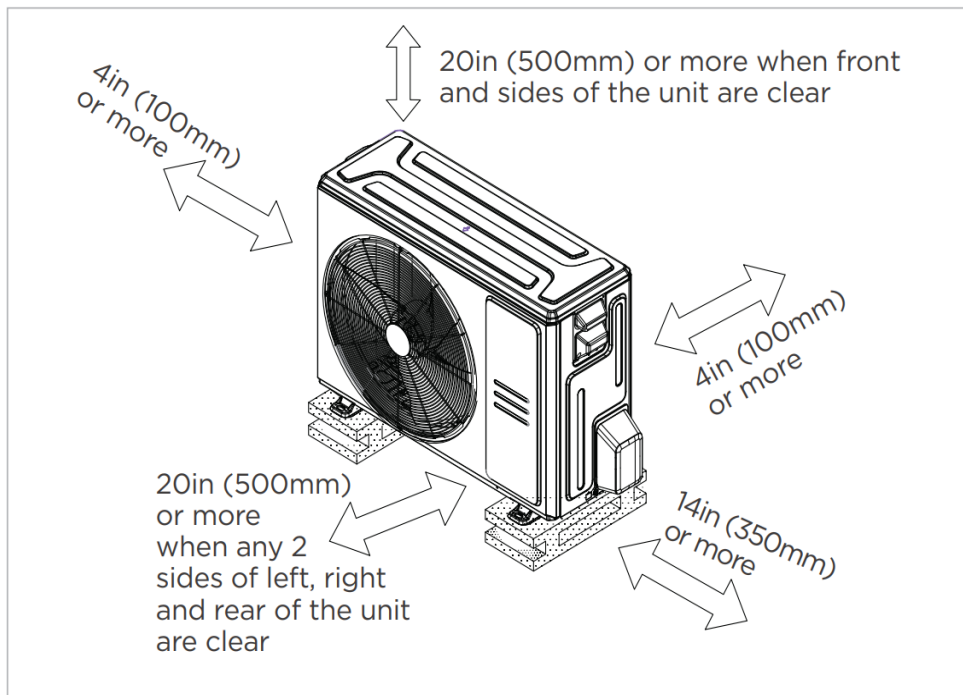
PIPING

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

Outdoor Unit Dimension



Installation Instruction



Meets all spatial requirements shown in Installation Clearance Requirements above.