

SUBMITTAL DATA SHEET

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	V74	
Outdoor Air Flow (Max) (CFM)	2148	
Outdoor Noise Level (dBA)	64.5	
Dimension (W×D×H)	inch	37.24 x 16.14 x 31.89
	mm	946×410×810
Package (W×D×H)	inch	42.91 x 19.68 x 34.84
	mm	1090×500×885
Net/Gross Weight	lbs	168.87/180.12
	kg	76.6/81.7

ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	30.5
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)	3000/(600 ~ 4100)
System Power Input @ Heating (W)	3098/(600 ~3900)
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	24.0	HSPF2-4	9.5
EER2	12	COP	3.5

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	36000
Min/Max Capacity	9000~42000
Moisture Removal(L/h)	0.1
Standard Operating Range(℉/°C)	-13~122/(-25~50)
Rated Cooling Conditions:	Indoor: 80℉ DB/67℉ WB Outdoor: 95℉ DB/75℉ WB

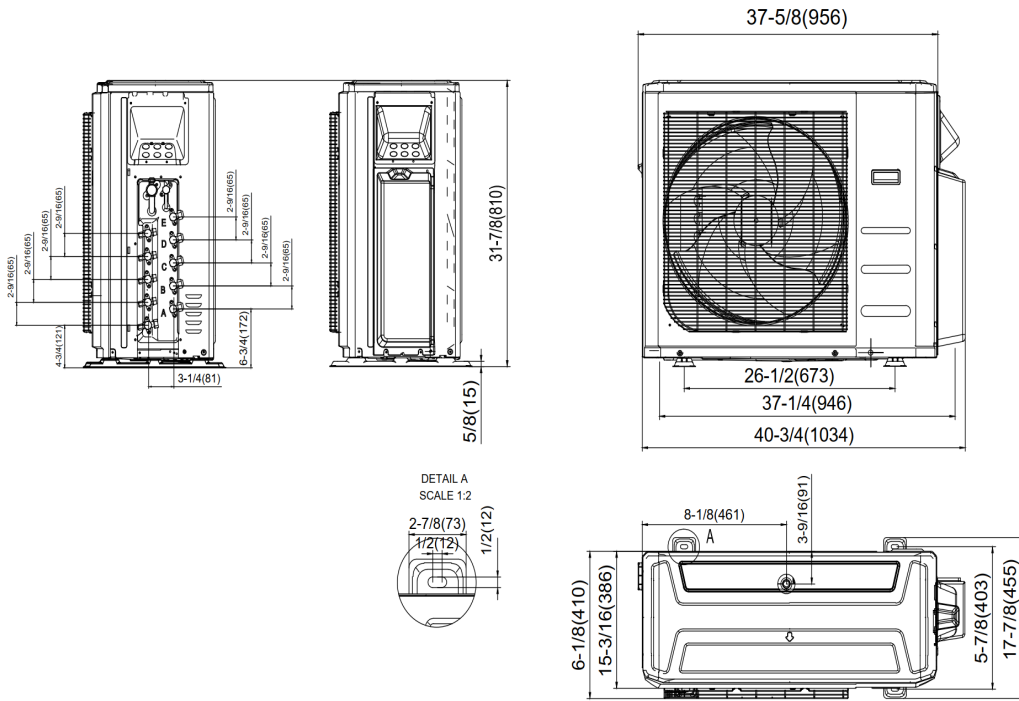
PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47℉ Rated	37000
1. @ 47℉ Min/Max Capacity	10000~42500
2. @ 17℉ Rated(H32)	26600
3. @ 5℉ Rated: Capacity / COP(H42)	26000/2
3. @ 5℉ Max: Capacity	26000
Standard Operating Range(℉/°C)	-13~75/(-25~24)
1. Conditions:	Indoor: 70℉ DB/60℉ WB Outdoor: 47℉ DB/43℉ WB
2. Conditions:	Indoor: 70℉ DB/60℉ WB Outdoor: 17℉ DB/15℉ WB
3. Conditions	Indoor: 70℉ DB/60℉ WB Outdoor: 5℉ DB/5℉ WB

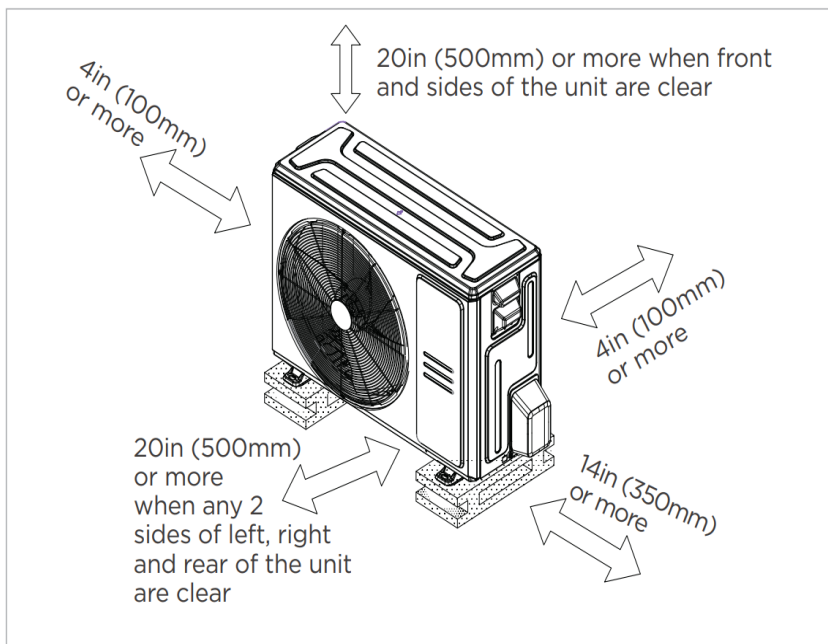
PIPING

Liquid Size	5x6.35mm(5x1/4in)
Gas Size	4x9.52mm+1x12.7mm(4x3/8in+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)x5
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.