



SUBMITTAL DATA

A-VHP183A-1

Multi Zone Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KTM240D46UKT2
Refrigerant		R454B
Refrigerant Oil Charge(mL)		620
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		2131
Outdoor Noise Level (dBA)		61.5
Dimension (WxDxH)	inch	37.24 x 16.14 x 31.89
	mm	946x410x810
Package (WxDxH)	inch	42.91 x 19.68 x 34.84
	mm	1090x500x885
Net/Gross Weight	lbs	137.35/148.15
	kg	62.3/67.2

ELECTRICAL	
Power Supply	208/230V, 60Hz, 1Ph
System MCA	17.5
Connection Wiring	14#x4
System MOCP	20
Compressor RLA	9.2
Outdoor Fan Motor RLA	1.2
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	1460/(400 ~ 2350)
System Power Input @ Heating (W)	1465/(350 ~ 2200)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

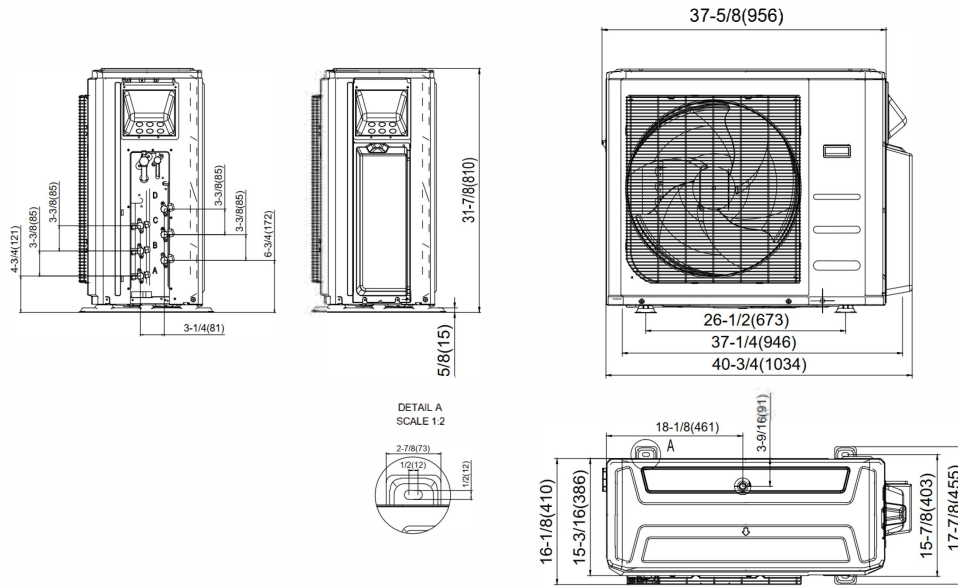
EFFICIENCY			
Cooling		Heating	
SEER2	20.0	HSPF2-4	10.0
EER2	13	COP	4.0

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	19000
Min/Max Capacity	5400~27600
Moisture Removal(L/h)	0
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

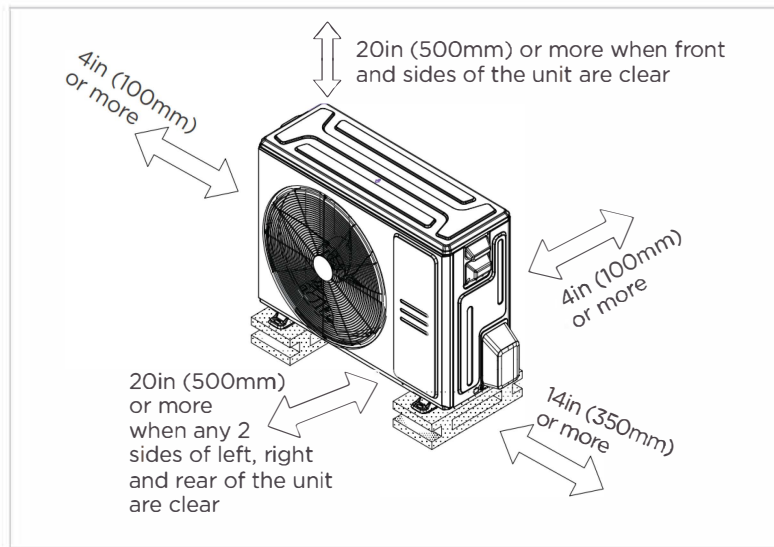
PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	20000
1. @ 47°F Min/Max Capacity	5700~25400
2. @ 17°F Rated(H32)	17000
3. @ 5°F Rated: Capacity / COP(H42)	18000/2
3. @ 5°F Max: Capacity	18000
Standard Operating Range(*F/C)	-22~75/(-30~24)
1. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F 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	3x6.35mm(3x1/4in)
Gas Size	3x9.52mm(3x3/8in)
Max. Piping Length for all rooms(ft/m)	196.8/(60)
Max. Piping Length for one IDU(ft/m)	98.4/(30)
Max. Height Difference of IDU and ODU(ft/m)	49.2/(15)
Refrigerant Pre-charged Amount(oz/kg)	78.31/(2.22)
Refrigerant Precharge Length(ft/m)	24.6/(7.5)x3
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.