R454b Refrigerant

SUBMITTAL DATA SHEET

Series Name: Multi Zone Regular Heat Series
Model Number: MO4EX-H27B-2A

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



EFFICIENCY			
Cooling		Heating	
SEER2	25.0	HSPF2-4	9.5
EER2	13	COP	3.8

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	27,000
Min/Max Capacity	7,200~32,000
Moisture Removal(L/h)	0.8
Standard Operating Range(°F/°C)	-13~122 (-25~50)
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	27,000
1. @ 47°F Min/Max Capacity	8,400~29,000

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KTM240D46UKT2
Refrigerant		R454B
Refrigerant Oil Charge(mL)		620
Refrigerant Oil		V74
Outdoor Air Flow (Max) (CFM)		2131
Outdoor Noise Level (dBA)		61
Dimension (W×D×H)	inch	37-1/4 x 16-1/8 x 31-7/8
	mm	946 × 410 × 810
Package (W×D×H)	inch	42-7/8 x 19-5/8 x 34-7/8
	mm	1090 × 500 × 885
Net/Gross Weight	lbs	139 / 150
	kg	63.0 / 67.9

ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
System MCA	23.0
Connection Wiring	AWG 14/4
System MOCP	25.0
Compressor RLA	12.1
Outdoor Fan Motor RLA	1.2
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	2,076 (500~2,730)
System Power Input @ Heating (W)	2,080 (500~2,400)
MCA: Min. circuit amps (A)	**MOCP**: Max. over current protection (A)
RLA: Rated load amps (A)	**W:** Fan motor rated output (W)

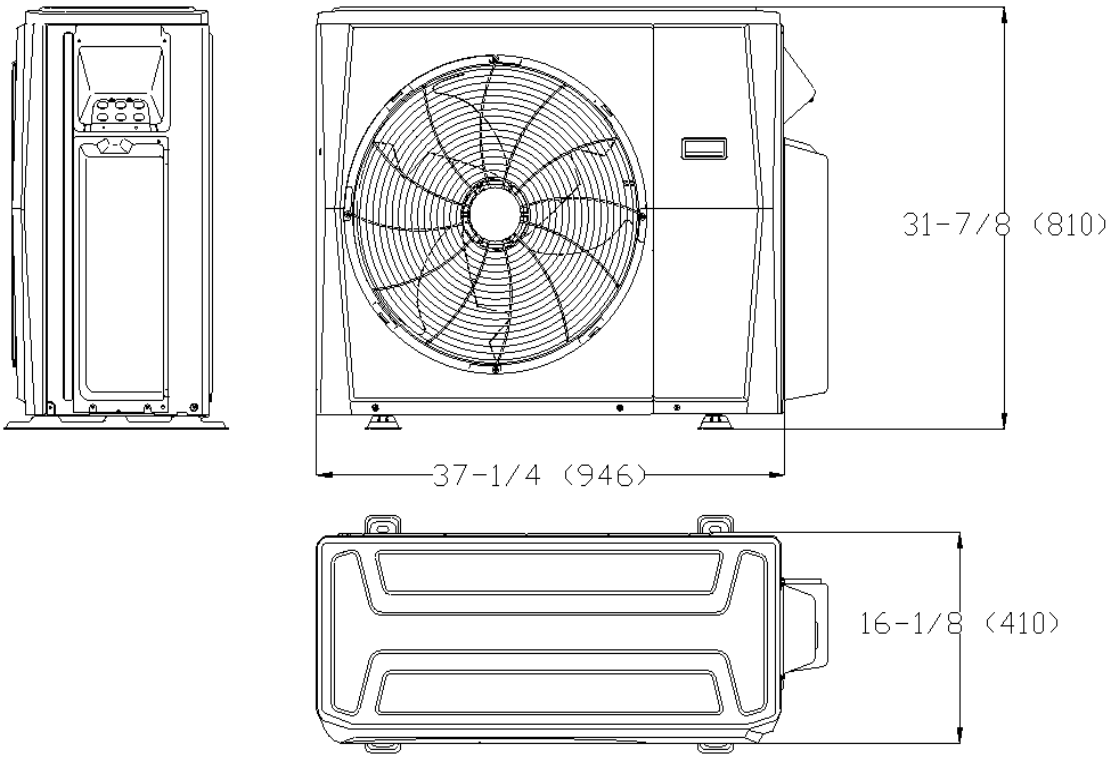
PIPING	
Liquid Size	4 x 1/4" (4 x 6.35 mm)
Gas Size	3 x 3/8"+1 x 1/2" (3 x 9.52 mm+1 x 12.7 mm)
Max. Piping Length for all rooms(ft/m)	262 (80)
Max. Piping Length for one IDU(ft/m)	115 (35)
ax. Height Difference of IDU and ODU(ft/	49 (15)
Refrigerant Pre-charged Amount(oz/kg)	85 (2.4)
Refrigearant Precharge Length(ft/m)	25 (7.5) x 4
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)

2. @ 17°F Rated(H32)	18,400
3. @ 5°F Rated: Capacity / COP(H42)	19,000 / 2
3. @ 5°F Max: Capacity	19,000
Standard Operating Range(°F/°C)	-13~75 (-25~24)
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

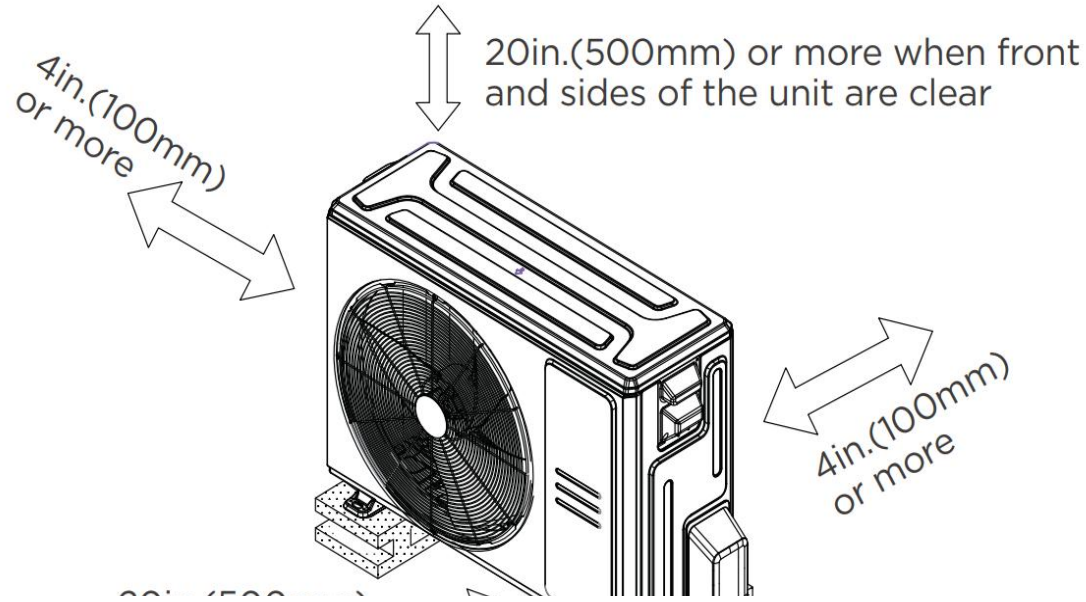
Connection Method	Flared

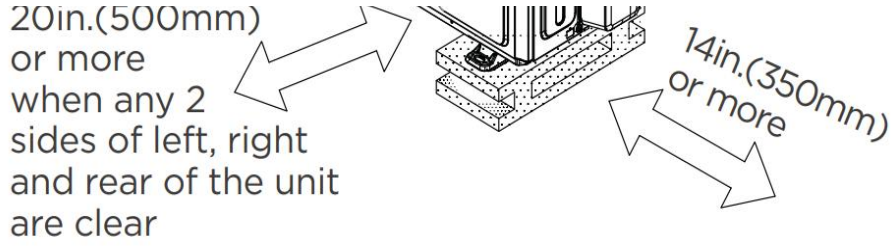
Outdoor Unit Dimension

Unit: inch (mm)



Installation Instruction




20in.(500mm)
or more
when any 2
sides of left, right
and rear of the unit
are clear
14in.(350mm)
or more