

# 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 #:



### OUTDOOR SPECIFICATION

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

### ELECTRICAL

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

### EFFICIENCY

Cooling		Heating	
<b>SEER2</b>	25.0	<b>HSPF2-4</b>	9.5
<b>EER2</b>	13	<b>COP</b>	3.8

### PERFORMANCE of Cooling

Cooling (Btu/hr)	
<b>Rated Capacity</b>	27,000
<b>Min/Max Capacity</b>	7,200~32,000
<b>Moisture Removal(L/h)</b>	0.8
<b>Standard Operating Range(*F/*C)</b>	-13~122 (-25~50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

### PERFORMANCE of Heating

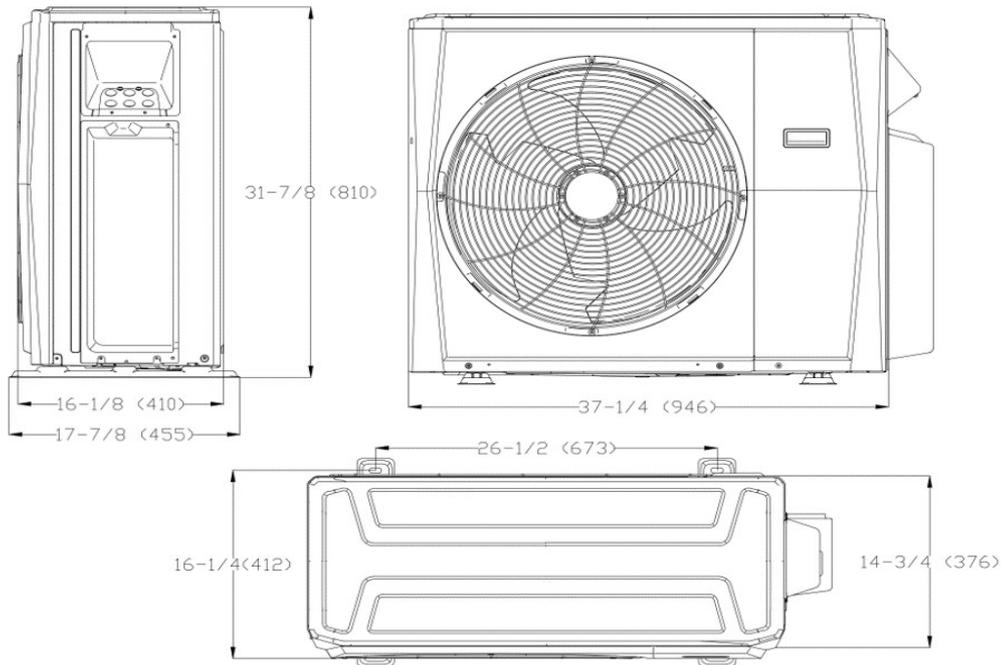
Heating (Btu/hr)	
<b>1. @ 47°F Rated</b>	27,000
<b>1. @ 47°F Min/Max Capacity</b>	8,400~29,000
<b>2. @ 17°F Rated(H32)</b>	18,400
<b>3. @ 5°F Rated: Capacity / COP(H42)</b>	19,000 / 2
<b>3. @ 5°F Max: Capacity</b>	19,000
<b>Standard Operating Range(*F/*C)</b>	-13~75 (-25~24)
1. Conditions:	Indoor: 70°F 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

### PIPING

<b>Liquid Size</b>	4 x 1/4" (4 x 6.35 mm)
<b>Gas Size</b>	3/8 x 3/8" (9.52 x 9.52 mm)
<b>Max. Piping Length for all rooms(ft/m)</b>	262 (80)
<b>Max. Piping Length for one IDU(ft/m)</b>	115 (35)
<b>Max. Height Difference of IDU and ODU(ft/m)</b>	49 (15)
<b>Refrigerant Pre-charged Amount(oz/kg)</b>	85 (2.4)
<b>Refrigerant Precharge Length(ft/m)</b>	25 (7.5) x 4
<b>Additional Charge of Refrigerant (Φ6.35 (1/4") liquid pipe) ((oz/ft)/(g/m))</b>	0.16 (15)
<b>Additional Charge of Refrigerant (Φ9.52 (3/8") liquid pipe) ((oz/ft)/(g/m))</b>	0.32 (30)
<b>Connection Method</b>	Flared

Outdoor Unit Dimension

Unit: inch (mm)



Installation Instruction

