

# SUBMITTAL DATA SHEET

Series Name: Multi Zone Hyper Heat Series

Model Number: MO6HX-H48B-2A



## Multi Zone Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



## OUTDOOR SPECIFICATION

<b>Compressor Type</b>		TWIN-ROTARY
<b>Compressor Model</b>		EKPQ440D1UMUB
<b>Refrigerant</b>		R454B
<b>Refrigerant Oil Charge(mL)</b>		1300
<b>Refrigerant Oil</b>		VG75
<b>Outdoor Air Flow (Max) (CFM)</b>		4503
<b>Outdoor Noise Level (dBA)</b>		65
<b>Dimension (W×D×H)</b>	inch	37.48 x 16.34 x 52.48
	mm	952×415×1333
<b>Package (W×D×H)</b>	inch	43.11 x 19.49 x 58.27
	mm	1095×495×1480
<b>Net/Gross Weight</b>	lbs	246.47/276.68
	kg	111.8/125.5

## ELECTRICAL

<b>Power Supply</b>	208/230V,60Hz,1Ph
<b>System MCA</b>	37
<b>Connection Wiring</b>	AWG 14-4
<b>System MOCP</b>	40
<b>Compressor RLA</b>	27
<b>Outdoor Fan Motor RLA</b>	2.5
<b>Outdoor Fan Motor W</b>	85
<b>Indoor Fan Motor RLA</b>	/
<b>Indoor Fan Motor W</b>	/
<b>System Power Input @ Cooling (W)</b>	3917/(800 ~ 5400)
<b>System Power Input @ Heating (W)</b>	3881/(800 ~5200)
<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>	23.0	<b>HSPF2-4</b>	11.0
<b>EER2</b>	12	<b>COP</b>	3.7

## PERFORMANCE of Cooling

Cooling (Btu/hr)	
<b>Rated Capacity</b>	47000
<b>Min/Max Capacity</b>	12000~57000
<b>Moisture Removal(L/h)</b>	4.4
<b>Standard Operating Range(°F/°C)</b>	-22~122/(-30 ~ 50)
<b>Rated Cooling Conditions:</b>	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

## PERFORMANCE of Heating

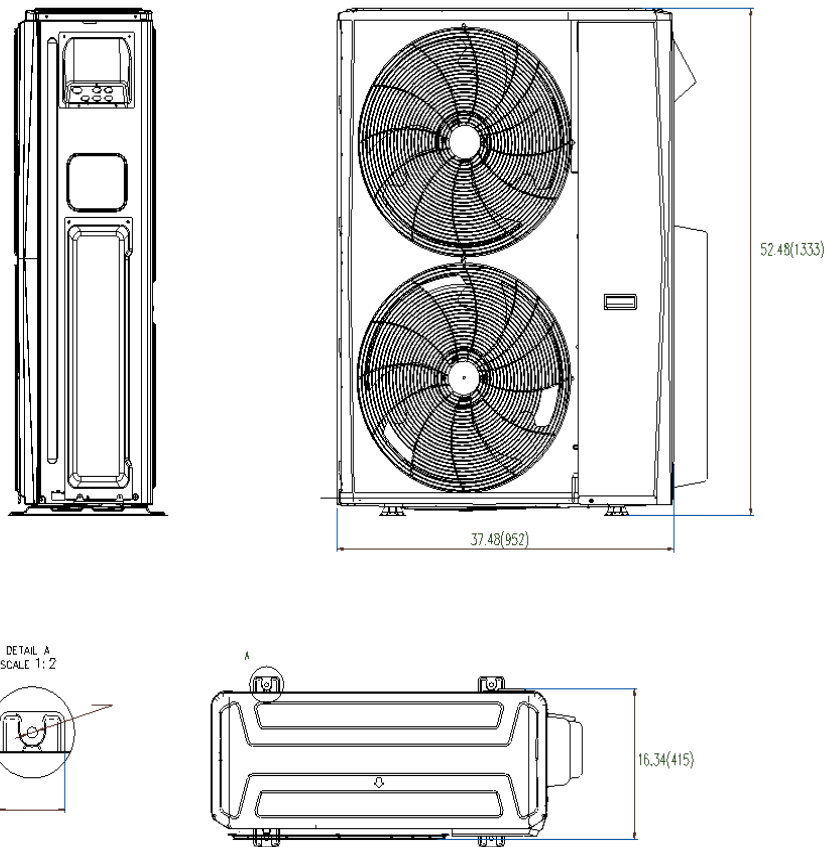
Heating (Btu/hr)	
<b>1. @ 47°F Rated</b>	49000
<b>1. @ 47°F Min/Max Capacity</b>	13000~57000
<b>2. @ 17°F Rated(H32)</b>	44000
<b>3. @ 5°F Rated: Capacity / COP(H4)</b>	47000/2

## PIPING

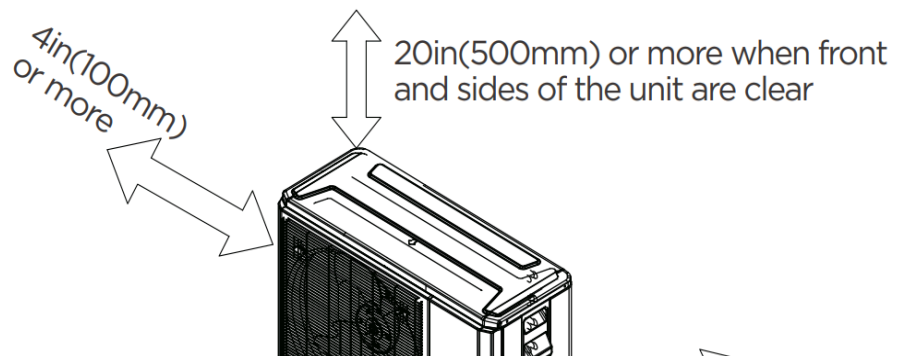
<b>Liquid Size</b>	6x6.35mm(6x1/4in)
<b>Gas Size</b>	4x9.52mm+2x12.7mm(4x3/8in+2x1/2in)
<b>Max. Piping Length for all</b>	262.4/(80)
<b>Max. Piping Length for one</b>	114.8/(35)
<b>Max. Height Difference of IDU and ODU(ft)</b>	49.2/(15)
<b>Refrigerant Pre-charged</b>	151.68/(4.3)
<b>Refrigerant Precharge Length(ft/m)</b>	24.6(7.5)x6
<b>Additional Charge of Refrigerant (Φ6.35 (1/4") liquid pipe)</b>	0.16/(15)
<b>Additional Charge of Refrigerant (Φ9.52 (3/8") liquid pipe)</b>	0.32(30)
<b>Connection Method</b>	Flared

<b>3. @ 5°F Max: Capacity</b>	47000
<b>Standard Operating Range(°F/°C)</b>	-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

### Outdoor Unit Dimension



### Installation Instruction



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

