

Mitsutomo Submittal Data Sheet

R-454B 55K High Heat Multi Zone Heat Pump System

Job Name: _____

Engineer: _____

Submitted By: _____

Date: _____

Unit Tag: _____

System Info & Features:

- 6 Port
- Mix and match evaporators
- Auto condenser coil cleaning cycle



MODEL NUMBER	
Outdoor unit:	HO-MS60-LA-Q
Certified:	

SYSTEM PERFORMANCE AND DATA	
Cooling Efficiencies and Performance	
SEER2	20.0
EER2	11.7
Rated Capacity	53000
Min/Max Capacity	19000~60000
Moisture Removal (L/H)	1.1
Standard Operating Range (F°)	-22~122
Conditions:	Indoor: 80F° DB/67F° WB Outdoor: 95F° DB/75F° WB
Heating Efficiencies and Performance	
HSPF2-4	10.7
COP	3.7
1. @ 47F° Rated	55000
1. @ 47F° Min/Max Capacity	20000~61000
2. @ 17F° Rated	45000
3. @ 5F° Rated: Capacity / COP	48000/2.1
3. @ 5F° Max: Capacity	48000
Standard Operating Range (F°)	-22~75
1. Conditions:	Indoor: 70F° DB/60F° WB Outdoor: 47F° DB/43F° WB
2. Conditions:	Indoor: 70F° DB/60F° WB Outdoor: 17F° DB/15F° WB
3. Conditions:	Indoor: 70F° DB/60F° WB Outdoor: 5F° DB/5F° WB

SPECIFICATIONS	
Heating Efficiencies and Performance	
Compressor Type	TWIN-ROTARY
Refrigerant	R454B
Refrigerant Oil Charge (OZ)	43.96
Refrigerant Oil	VG75
Outdoor Air Flow (Max) (CFM)	4503
Outdoor Noise Level (DBA)	65

ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
System Min. Circuit Amps	43
Connection Wiring	AWG 14/4
System Max Over Current Protection (A)	45
Compressor (RLA)	28
Outdoor Fan Motor (RLA)	2.5
Outdoor Fan Motor (W)	85
System Power Input @ Cooling (W)	4530(1200 ~ 6100)
System Power Input @ Heating (W)	4356(1200 ~5100)

REFRIGERANT PIPE DATA					
Liquid Size (in.)	6 x 1/4				
Gas Size (in.)	4 x 3/8 + 2 x 1/2				
Max. Piping Length for all rooms (ft)	262.4				
Max. Piping Length for one IDU (ft)	114.8				
Max. Height Difference of IDU and ODU (ft)	49.2				
Refrigerant Pre-charged Amount (oz)	151.68				
Refrigerant Pre-charged Length (ft)	24.6				
Connection Method	Flared				
Additional Refrigerant Charge					
Additional Charge for Both Linesets (ft)	<table border="1"> <tr> <td>6, 9, 12 & 18 K BTU Indoor Evaporator</td> <td>24, 30 & 36 K BTU Indoor Evaporator</td> </tr> <tr> <td>0.16 oz</td> <td>0.32 oz</td> </tr> </table>	6, 9, 12 & 18 K BTU Indoor Evaporator	24, 30 & 36 K BTU Indoor Evaporator	0.16 oz	0.32 oz
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0.16 oz	0.32 oz				

DIMENSIONS	
Dimension (W×D×H)	37.48 x 16.34 x 52.48
Package (W×D×H)	43.11 x 19.49 x 58.27
Unit Weight (lbs)	246.47
Shipping Weight (lbs)	276.68

WARRANTY	
	5 years compressor 5 years parts

Outdoor Unit Dimension

