

Mitsutomo Submittal Data Sheet

R-454B 48K 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-MS48-LA-Q
Certified:	

SYSTEM PERFORMANCE AND DATA	
Cooling Efficiencies and Performance	
SEER2	20.4
EER2	11.7
Rated Capacity	47000
Min/Max Capacity	12000~57000
Moisture Removal (L/H)	2.6
Standard Operating Range (F°)	-22~122
Conditions:	Indoor: 80F° DB/67F° WB Outdoor: 95F° DB/75F° WB
Heating Efficiencies and Performance	
HSPF2-4	11
COP	3.5
1. @ 47F° Rated	48000
1. @ 47F° Min/Max Capacity	13000~60000
2. @ 17F° Rated	44500
3. @ 5F° Rated: Capacity / COP	48000/2
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)	27
Outdoor Fan Motor (RLA)	2.5
Outdoor Fan Motor (W)	85
System Power Input @ Cooling (W)	4020(800 ~ 5700)
System Power Input @ Heating (W)	4000(800 ~5000)

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)	6, 9, 12 & 18 K BTU Indoor Evaporator 0.16 oz 24, 30 & 36 K BTU Indoor Evaporator 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

