

Mitsutomo Submittal Data Sheet

R-454B 48K 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
- Heating down to -13°



MODEL NUMBER	
Outdoor unit:	RO-MS48-LA-Q
Certified:	

SYSTEM PERFORMANCE AND DATA	
Cooling Efficiencies and Performance	
SEER2	21.3
EER2	11.7
Rated Capacity	45000
Min/Max Capacity	12000~49000
Moisture Removal (L/H)	3.5
Standard Operating Range (F°)	-13~-122
Conditions:	Indoor: 80F° DB/67F° WB Outdoor: 95F° DB/75F° WB
Heating Efficiencies and Performance	
HSPF2-4	10.0
COP	3.6
1. @ 47F° Rated	48000
1. @ 47F° Min/Max Capacity	13000~55000
2. @ 17F° Rated	34000
3. @ 5F° Rated: Capacity / COP	36000/2.1
3. @ 5F° Max: Capacity	36000
Standard Operating Range (F°)	-13~-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	ROTARY
Refrigerant	R454B
Refrigerant Oil Charge (OZ)	47.34
Refrigerant Oil	V74
Outdoor Air Flow (Max) (CFM)	4503
Outdoor Noise Level (DBA)	65

ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
System Min. Circuit Amps	40
Connection Wiring	AWG 14/4
System Max Over Current Protection (A)	45
Compressor (RLA)	24
Outdoor Fan Motor (RLA)	2.5
Outdoor Fan Motor (W)	85
System Power Input @ Cooling (W)	3850(800 ~ 5900)
System Power Input @ Heating (W)	3908(800 ~5200)

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)	148.15
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)	222.00
Shipping Weight (lbs)	254.19

WARRANTY	
	5 years compressor 5 years parts

Outdoor Unit Dimension

