



Mitsutomo Submittal Data Sheet

R-454B 18K Multi Zone Heat Pump System

Job Name: _____

Engineer: _____

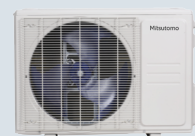
Submitted By: _____

Date: _____

Unit Tag: _____

System Info & Features:

- 3 Port
- Mix and match evaporators
- Auto condenser coil cleaning cycle
- Heating down to -13°



MODEL NUMBER	
Outdoor unit:	RO-MT18-LA-Q
Certified:	

SYSTEM PERFORMANCE AND DATA	
Cooling Efficiencies and Performance	
SEER2	23.0
EER2	12.5
Rated Capacity	18000
Min/Max Capacity	5400~21600
Moisture Removal (L/H)	1.3
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	3.8
1. @ 47F° Rated	19000
1. @ 47F° Min/Max Capacity	5700~21600
2. @ 17F° Rated	13500
3. @ 5F° Rated: Capacity / COP	13500/2.2
3. @ 5F° Max: Capacity	13500
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	TWIN-ROTARY
Refrigerant	R454B
Refrigerant Oil Charge (OZ)	15.22
Refrigerant Oil	V74
Outdoor Air Flow (Max) (CFM)	1766
Outdoor Noise Level (DBA)	60

ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
System Min. Circuit Amps	16
Connection Wiring	AWG 14/4
System Max Over Current Protection (A)	20
Compressor (RLA)	8.2
Outdoor Fan Motor (RLA)	1.0
Outdoor Fan Motor (W)	80
System Power Input @ Cooling (W)	1440(400 ~ 1900)
System Power Input @ Heating (W)	1465(350 ~1900)

REFRIGERANT PIPE DATA	
Liquid Size (in.)	3 x 1/4
Gas Size (in.)	3 x 3/8
Max. Piping Length for all rooms (ft)	196.8
Max. Piping Length for one IDU (ft)	98.4
Max. Height Difference of IDU and ODU (ft)	49.2
Refrigerant Pre-charged Amount (oz)	61.73
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)	35.04 x 13.46 x 26.50
Package (W×D×H)	40.55 x 17.24 x 29.53
Unit Weight (lbs)	100.53
Shipping Weight (lbs)	109.35

WARRANTY	
	5 years compressor 5 years parts

Outdoor Unit Dimension

