

Mitsutomo Submittal Data Sheet

R-454B 28K Multi Zone Heat Pump System

Job Name: _____

Engineer: _____

Submitted By: _____

Date: _____

Unit Tag: _____

System Info & Features:

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



MODEL NUMBER	
Outdoor unit:	RO-MQ28-LA-Q
Certified:	

SYSTEM PERFORMANCE AND DATA	
Cooling Efficiencies and Performance	
SEER2	23.0
EER2	12.2
Rated Capacity	26000
Min/Max Capacity	7200~32000
Moisture Removal (L/H)	2
Standard Operating Range (F°)	-13~122
Conditions:	Indoor: 80F° DB/67F° WB Outdoor: 95F° DB/75F° WB
Heating Efficiencies and Performance	
HSPF2-4	9.5
COP	3.6
1. @ 47F° Rated	27000
1. @ 47F° Min/Max Capacity	8400~29200
2. @ 17F° Rated	18000
3. @ 5F° Rated: Capacity / COP	19000/2.00
3. @ 5F° Max: Capacity	19000
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)	20.96
Refrigerant Oil	V74
Outdoor Air Flow (Max) (CFM)	2131.0
Outdoor Noise Level (DBA)	61.0

ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
System Min. Circuit Amps	23.0
Connection Wiring	14/4
System Max Over Current Protection (A)	25
Compressor (RLA)	12.1
Outdoor Fan Motor (RLA)	1.2
Outdoor Fan Motor (W)	120
System Power Input @ Cooling (W)	2130(500 ~ 2730)
System Power Input @ Heating (W)	2198(500 ~2560)

REFRIGERANT PIPE DATA		
Liquid Size (in.)	4 x 1/4	
Gas Size (in.)	3 x 3/8 + 1 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)	84.66	
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	24, 30 & 36 K BTU Indoor Evaporator
	0.16 oz	0.32 oz

DIMENSIONS	
Dimension (W×D×H)	37.24 x 16.14 x 31.89
Package (W×D×H)	42.91 x 19.68 x 34.84
Unit Weight (lbs)	138.89
Shipping Weight (lbs)	149.69

WARRANTY	
	5 years compressor 5 years parts

Outdoor Unit Dimension

