

## Mitsutomo Submittal Data Sheet

### R-454B 36K Multi Zone Heat Pump System

Job Name: \_\_\_\_\_

Engineer: \_\_\_\_\_

Submitted By: \_\_\_\_\_

Date: \_\_\_\_\_

Unit Tag: \_\_\_\_\_

#### System Info & Features:

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



MODEL NUMBER	
Outdoor unit:	RO-MP36-LA-Q
Certified:	

SYSTEM PERFORMANCE AND DATA	
<b>Cooling Efficiencies and Performance</b>	
SEER2	23.1
EER2	12.0
Rated Capacity	35000
Min/Max Capacity	9000~40000
Moisture Removal (L/H)	0.5
Standard Operating Range (F°)	-13~122
Conditions:	Indoor: 80F° DB/67F° WB Outdoor: 95F° DB/75F° WB
<b>Heating Efficiencies and Performance</b>	
HSPF2-4	10.0
COP	3.5
1. @ 47F° Rated	37000
1. @ 47F° Min/Max Capacity	10000~40000
2. @ 17F° Rated	27000
3. @ 5F° Rated: Capacity / COP	26000/2.0
3. @ 5F° Max: Capacity	26000
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	
<b>Heating Efficiencies and Performance</b>	
Compressor Type	ROTARY
Refrigerant	R454B
Refrigerant Oil Charge (OZ)	33.81
Refrigerant Oil	V74
Outdoor Air Flow (Max) (CFM)	2148.0
Outdoor Noise Level (DBA)	63.0

ELECTRICAL		
Power Supply	208/230V,60Hz,1Ph	
System Min. Circuit Amps	30.5	
Connection Wiring	14/4	
System Max Over Current Protection (A)	35	
Compressor (RLA)	17.0	
Outdoor Fan Motor (RLA)	1.3	
Outdoor Fan Motor (W)	120	
System Power Input @ Cooling (W)	2915(600 ~ 4100)	
System Power Input @ Heating (W)	3098(600 ~3950)	

REFRIGERANT PIPE DATA		
Liquid Size (in.)	5 x 1/4	
Gas Size (in.)	4 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)	120.63	
Refrigerant Pre-charged Length (ft)	24.6	
Connection Method	Flared	
<b>Additional Refrigerant Charge</b>		
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)	168.87	
Shipping Weight (lbs)	180.12	

WARRANTY	
	5 years comp ressor 5 years parts

