

Mitsutomo Submittal Data Sheet

R-454B 24k High Heat Multi Position Air Handler Heat Pump

Job Name: _____

Engineer: _____

Submitted By: _____

Date: _____

Unit Tag: _____

System Info & Features:

- 4 way multi position air handler
- Up to .8" static pressure
- 24V thermostat option
- Heating down to -22 deg F
- Self diagnostics
- Super quiet
- ECM blower motor
- Programmable smart wall thermostat
- Large handheld remote
- Auto condenser coil cleaning cycle



MODEL NUMBER

Indoor unit:	UHM24-BB-LA-Q
Outdoor unit:	UHO24-NB-LA-Q
Certified:	   

SYSTEM PERFORMANCE AND DATA

Cooling Efficiencies and Performance

SEER2	18.3
EER2	11.7
Rated Capacity	23000
Min/Max Capacity	7200~27000
Moisture Removal (L/H)	2.05
Standard Operating Range (F°)	-22~122

Conditions:	Indoor: 80F° DB/67F° WB Outdoor: 95F° DB/75F° WB
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Heating Efficiencies and Performance

HSPF2-4	10.0
COP	3.33
1. @ 47F° Rated	24000
1. @ 47F° Min/Max Capacity	7100~30000
2. @ 17F° Rated	20000
3. @ 5F° Rated: Capacity / COP	21600/1.87
3. @ 5F° Max: Capacity	21600
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

ELECTRICAL

Indoor Power Supply	115/208/230V,60Hz,1Ph
Indoor Min. Circuit Amps 115V/(208/230V)	5.5/4.0
Indoor Max Over Current Protection	15
Outdoor Power Supply	208/230V,60Hz,1Ph
Outdoor Min. Circuit Amps	19
Outdoor Max Over Current Protection	20
Communication Wiring	18-2 Mitsutomo Thermostat 18-10 3rd Party Thermostat
Compressor (RLA)	14
Outdoor Fan Motor (RLA)	1
Outdoor Fan Motor (W)	80
Indoor Fan Motor (RLA)	3
Indoor Fan Motor (W)	250
System Power Input @ Cooling (W)	1965(530 ~ 2870)
System Power Input @ Heating (W)	2112(440 ~2730)

OPTIONAL ACCESSORIES

8kw Electric Heat Kit	M-EAH-08-Q
15kw Electric Heat Kit	M-EAH-15-Q

SPECIFICATIONS

Indoor:

Indoor Air Flow (Turbo/H/M/L/Q)	(CFM)	824.0 / 759.3 / 694.5 / 629.8 / 629.8
Indoor Noise Level (Turbo/H/M/L/Q)	(DBA)	44 / 44 / 42 / 28 / 28

Heating Efficiencies and Performance

Compressor Type		ROTARY
Refrigerant		R454B
Refrigerant Oil Charge	(OZ)	20.96
Refrigerant Oil		VG74
Outdoor Air Flow (Max)	(CFM)	1765.7
Outdoor Noise Level	(DBA)	60

DIMENSIONS

Indoor:

Dimension (W×D×H)	17.52 x 21.02 x 45.00
Package (W×D×H)	26.57 x 20.87 x 48.62
Unit Weight (lbs)	105.60
Shipping Weight (lbs)	127.43

Outdoor:

Dimension (W×D×H)	35.04 x 13.46 x 26.50
Package (W×D×H)	39.17 x 15.67 x 29.13
Unit Weight (lbs)	102.29
Shipping Weight (lbs)	109.13

REFRIGERANT PIPE DATA

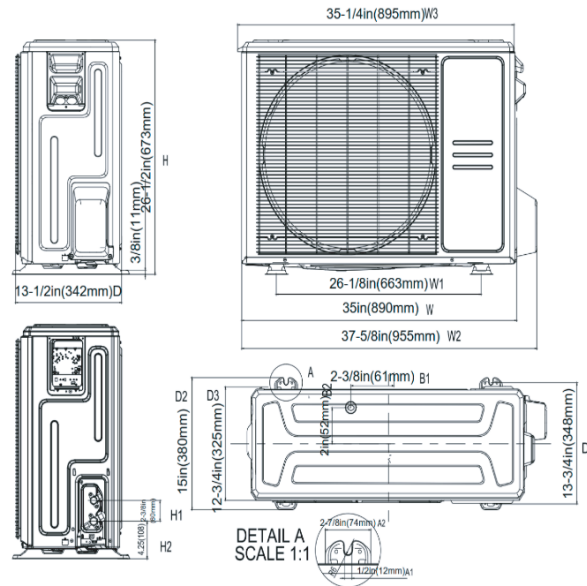
Liquid Size (in.)	3/8
Gas Size (in.)	3/4
Max. Piping Length (ft)	164.0
Max. Height Difference (ft)	82.0
Max. Pre-charged Length (ft)	24.6
Refrigerant Pre-charged Amount (oz)	74.08
Additional Charge of Refrigerant (oz/ft)	0.70
Connection Method	Flared

WARRANTY

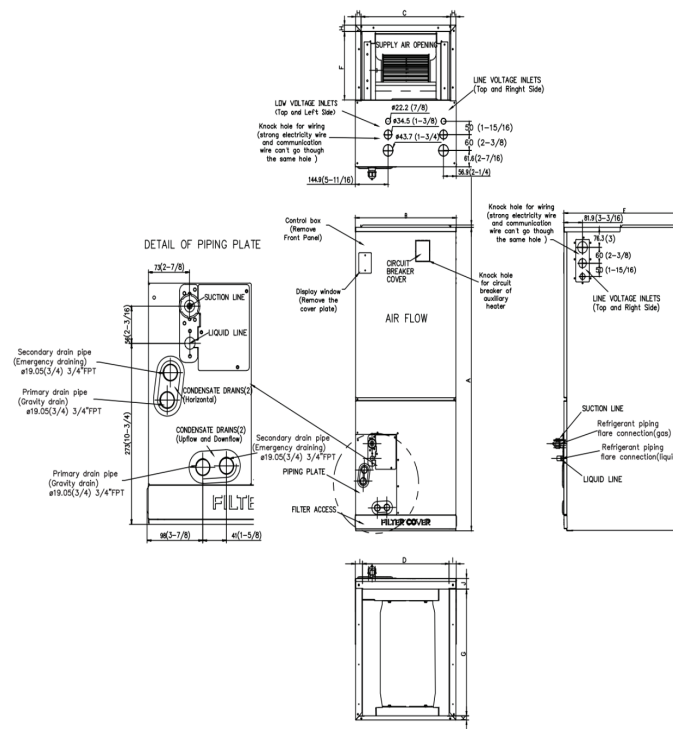


5 years compressor
5 years parts

Outdoor Unit Dimension



Indoor Unit Dimension (Internal Pump)



Model	Unit	A	B	C	D	E	F	G	H	I	J	K
24K	inch	45	17.5	15 5/8	15 1/8	21	10 1/4	18 3/4	15/16	11/4	15	5/8