

Mitsutomo Submittal Data Sheet

R-454B 30k Non 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 -13°
- Self diagnostics
- Super quiet
- ECM blower motor
- Programmable smart wall thermostat
- Large handheld remote
- Auto condenser coil cleaning cycle



MODEL NUMBER

Indoor unit:	UHM30-CB-LA-Q
Outdoor unit:	RHO30-NB-LA-Q
Certified:	  

SYSTEM PERFORMANCE AND DATA

Cooling Efficiencies and Performance

SEER2	17.0
EER2	10.7
Rated Capacity	30000
Min/Max Capacity	10400~34000
Moisture Removal (L/H)	3.57
Standard Operating Range (F°)	-13~122

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

HSPF2-4	8.5
COP	3.50
1. @ 47F° Rated	31000
2. @ 47F° Min/Max Capacity	6400~32000
3. @ 17F° Rated	18500
4. @ 5F° Rated: Capacity / COP	19100/2
5. @ 5F° Max: Capacity	19100
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

ELECTRICAL

Indoor Power Supply	115/208/230V,60Hz,1Ph
Indoor Min. Circuit Amps 115V/(208/230V)	8.0/6.0
Indoor Max Over Current Protection	15
Outdoor Power Supply	208/230V,60Hz,1Ph
Outdoor Min. Circuit Amps	22.5
Outdoor Max Over Current Protection	25
Communication Wiring	18-2 Mitsutomo Thermostat, 18-10 3rd Party Thermostat
Compressor (RLA)	17
Outdoor Fan Motor (RLA)	1.1
Outdoor Fan Motor (W)	120
Indoor Fan Motor (RLA)	4.5
Indoor Fan Motor (W)	375
System Power Input @ Cooling (W)	2778(735 ~ 3230)
System Power Input @ Heating (W)	2595(455 ~ 2550)

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)	988.85 / 894.67 / 806.38 / 712.21 / 712.21
Indoor Noise Level (Turbo/H/M/L/Q) (DBA)	46/46/42/29/29

Heating Efficiencies and Performance

Compressor Type	ROTARY
Refrigerant	R454B
Refrigerant Oil Charge (OZ)	22.66
Refrigerant Oil	VG74
Outdoor Air Flow (Max) (CFM)	3001.8
Outdoor Noise Level (DBA)	60

DIMENSIONS

Indoor:

Dimension (W×D×H)	21.02 x 21.02 x 49.02
Package (W×D×H)	26.57 x 24.41 x 52.56
Unit Weight (lbs)	128.97
Shipping Weight (lbs)	153.44

Outdoor:

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)	141.76
Shipping Weight (lbs)	152.34

REFRIGERANT PIPE DATA

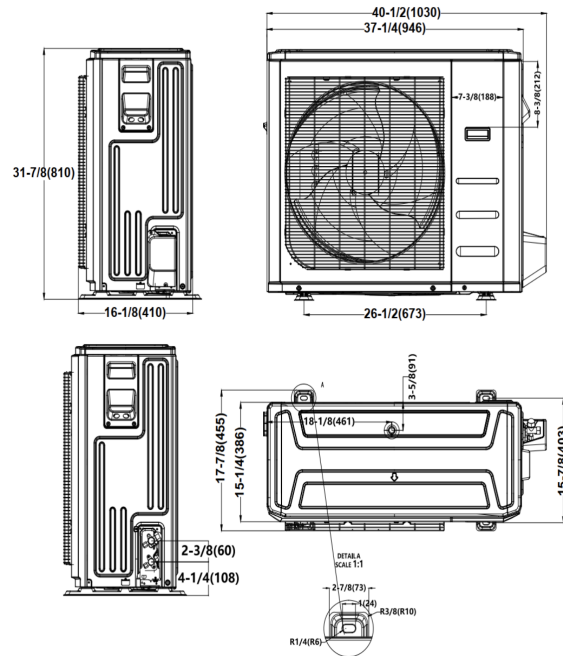
Liquid Size (in.)	3/8
Gas Size (in.)	3/4
Max. Piping Length (ft)	164.0
Max. Height Differencex (ft)	82.0
Max. Pre-charged Length (ft)	24.6
Refrigerant Pre-charged Amount (oz)	91.71
Additional Charge of Refrigerant (oz/ft)	0.70
Connection Method	Flared

WARRANTY

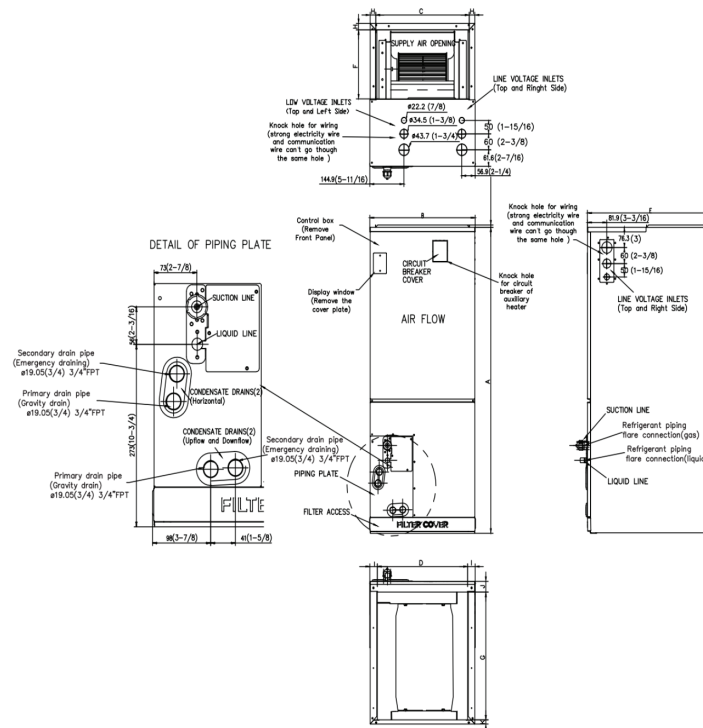


5 years compressor
5 years parts

Outdoor Unit Dimension



Indoor Unit Dimension (Internal Pump)



Model	Unit	A	B	C	D	E	F	G	H	I	J	K
30K	inch	49	21	19 1/8	18 5/8	21	10 1/4	18 3/4	15/16	1 1/4	15/8	5/8