

Mitsutomo Submittal Data Sheet

R-454B 30k 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:	UHM30-CB-LA-Q
Outdoor unit:	UHO30-NB-LA-Q
Certified:	   

SYSTEM PERFORMANCE AND DATA

Cooling Efficiencies and Performance

SEER2	16.8
EER2	11.7
Rated Capacity	30000
Min/Max Capacity	12800~39000
Moisture Removal (L/H)	2.77
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	3.65
1. @ 47F° Rated	34000
1. @ 47F° Min/Max Capacity	10300~38500
2. @ 17F° Rated	23800
3. @ 5F° Rated: Capacity / COP	32600/1.96
3. @ 5F° Max: Capacity	32600
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)	8.0/6.0
Indoor Max Over Current Protection	15
Outdoor Power Supply	208/230V,60Hz,1Ph
Outdoor Min. Circuit Amps	29.5
Outdoor Max Over Current Protection	30
Communication Wiring	18-2 Mitsutomo Thermostat 18-10 3rd Party Thermostat
Compressor (RLA)	22.4
Outdoor Fan Motor (RLA)	1.5
Outdoor Fan Motor (W)	120
Indoor Fan Motor (RLA)	4.5
Indoor Fan Motor (W)	375
System Power Input @ Cooling (W)	2567(850 ~ 3620)
System Power Input @ Heating (W)	2790(655 ~3020)

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)	988.8 / 894.7 / 806.4 / 712.2 / 712.2
Indoor Noise Level (Turbo/H/M/L/Q)	(DBA)	47 / 46 / 43 / 27.5 / 27.5

Heating Efficiencies and Performance

Compressor Type		ROTARY
Refrigerant		R454B
Refrigerant Oil Charge	(OZ)	43.96
Refrigerant Oil		HAF68D1A
Outdoor Air Flow (Max)	(CFM)	3001.8
Outdoor Noise Level	(DBA)	60.5

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)	164.02
Shipping Weight (lbs)	174.60

REFRIGERANT PIPE DATA

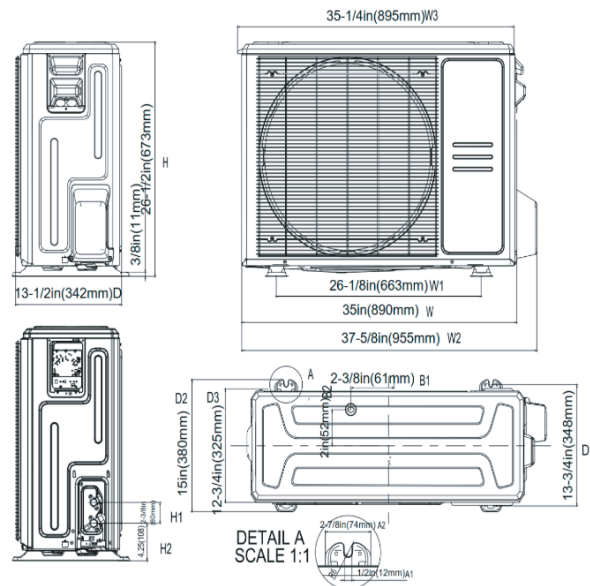
Liquid Size (in.)	3/8
Gas Size (in.)	3/4
Max. Piping Length (ft)	164.0
Max. Height Difference (ft)	82.0
Max. Pre-charged Length (ft)	24.6
Refrigerant Pre-charged Amount (oz)	105.82
Additional Charge of Refrigerant (oz/ft)	0.70
Connection Method	Flared

WARRANTY

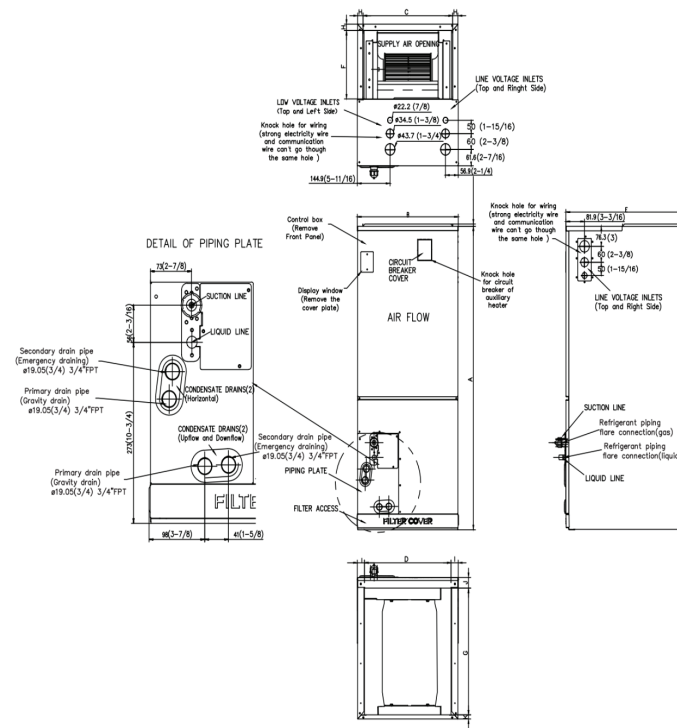


5 years compressor
5 years parts

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