

## Mitsutomo Submittal Data Sheet

### R-454B 48k High Heat Slim Ducted Heat Pump

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

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

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

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

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

#### System Info & Features:

- Slim design
- Up to .8" Static Pressure
- Heating down to -22 deg
- Self diagnostics
- Super quiet
- 7 Day Programmable Wall Thermostat



MODEL NUMBER	
Indoor unit:	HD-UG48-LA-Q
Outdoor unit:	HO-SG48-LA-Q
Certified:	

OPTIONAL ACCESSORIES	
3rd Party Thermostat Interface Adapter	17222000A68532

SYSTEM PERFORMANCE AND DATA	
<b>Cooling Efficiencies and Performance</b>	
SEER2	16.7
EER2	10.4
Rated Capacity	48000
Min/Max Capacity	11000~56500
Moisture Removal (L/H)	4.22
Standard Operating Range (F°)	-22~-122
Conditions:	Indoor: 80F° DB/67F° WB Outdoor: 95F° DB/75F° WB
<b>Heating Efficiencies and Performance</b>	
HSPF2-4	10.8
COP	3.60
1. @ 47F° Rated	52000
1. @ 47F° Min/Max Capacity	11200~60000
2. @ 17F° Rated	45000
3. @ 5F° Rated: Capacity / COP	47500/2.00
3. @ 5F° Max: Capacity	47500
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

SPECIFICATIONS	
<b>Indoor:</b>	
Indoor Air Flow (Turbo/H/M/L/Q) (CFM)	1648.1 / 1471.5 / 1294.9 / 1059.5 / 1059.5
Indoor Noise Level (Turbo/H/M/L/Q) (DBA)	51 / 51 / 46 / 42 / 40
<b>Heating Efficiencies and Performance</b>	
Compressor Type	TWIN-ROTARY
Refrigerant	R454B
Refrigerant Oil Charge (OZ)	49.37
Refrigerant Oil	VG75
Outdoor Air Flow (Max) (CFM)	4237.9
Outdoor Noise Level (DBA)	65.0

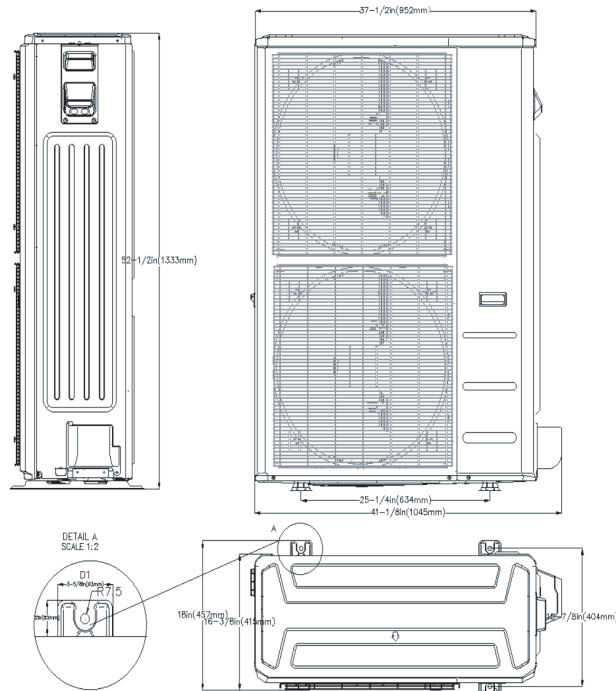
DIMENSIONS	
<b>Indoor:</b>	
Dimension (W×D×H)	47.24 x 29.53 x 11.81
Package (W×D×H)	56.10 x 33.86 x 14.13
Unit Weight (lbs)	111.33
Shipping Weight (lbs)	124.78
<b>Outdoor:</b>	
Dimension (W×D×H)	37.48 x 16.34 x 52.48
Package (W×D×H)	43.11 x 19.49 x 57.48
Unit Weight (lbs)	208.78
Shipping Weight (lbs)	239.86

ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
System Min. Circuit Amps	44.00
Connection Wiring	Power: 14/3 Communication: 18/2 Stranded
System Max Over Current Protection (A)	45
Compressor (RLA)	27.0
Outdoor Fan Motor (RLA)	1.2
Outdoor Fan Motor (W)	85
Indoor Fan Motor (RLA)	4.0
Indoor Fan Motor (W)	560
System Power Input @ Cooling (W)	4610(930 ~ 6050)
System Power Input @ Heating (W)	4230(770 ~5380)

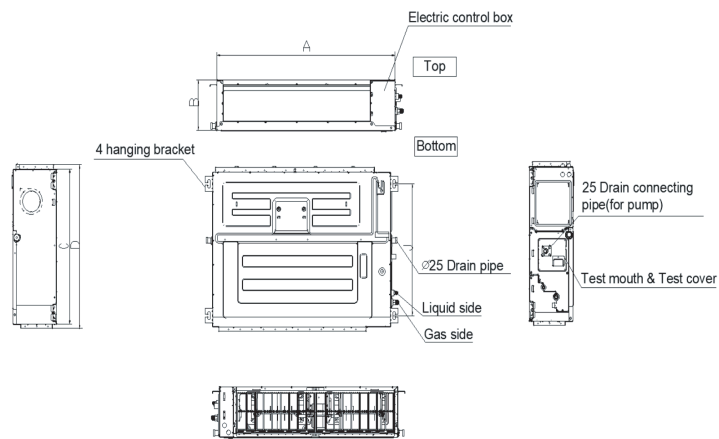
REFRIGERANT PIPE DATA	
Liquid Size (in.)	3/8
Gas Size (in.)	3/4
Max. Piping Length (ft)	246.00
Max. Height Differencex (ft)	98.40
Max. Pre-charged Length (ft)	24.6
Refrigerant Pre-charged Amount (oz)	126.99
Additional Charge of Refrigerant (oz/ft)	0.32
Connection Method	Flared

WARRANTY	
	5 years compressor 5 years parts

## Outdoor Unit Dimension



## Indoor Unit Dimension (Internal Pump)



Capacity	W	D	H
48k	47.24	29.53	11.81