



Mitsutomo Submittal Data Sheet




48K Multi Position Air Handler Heat Pump System

Job Name: _____
Engineer: _____ **Date:** _____
Submitted By: _____ **Unit Tag:** _____
Comments: _____

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:	UHM48-CB-Q
Outdoor unit:	UHO48-NB-Q
Certified:	  

OPTIONAL ACCESSORIES	
8kw Electric heat kit	EAH-08B
15kw Electric heat kit	EAH-15B

SYSTEM PERFORMANCE DATA			
Electrical:			
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz	
Minimum circuit ampacity (outdoor)	(A)	40.0	
Max fuse (outdoor)	(A)	50.0	
Connection wiring	14AWG*2 Stranded, shielded		
Cooling Efficiencies & Capacity Data:			
Capacity	(Btu/h)	47000(15000~48000)	
Power Input	(W)	5731(815~5700)	
Current	(A)	24.95(3.54~25.3)	
SEER2	(Btu/W)	15.6	
EER2	(Btu/W)	8.2	
Heating Efficiencies & Capacity Data:			
Capacity	(Btu/h)	50000(11000~55000)	
Power Input	(W)	4652(830~5700)	
Current	(A)	21.20(3.60~26)	
HSPF2-4	(Btu/W)	9.4	
HSPF2-5	(Btu/W)	7.7	
COP	W/W	3.15	
Heat at 17F (H32)	(Btu/h)	36000	
Heat at 5F (H42)	(Btu/h)	46000	
COP at 5F (H42)	W/W	1.90	
Temperature Ratings:			
Indoor (cooling)	(Deg. °F)	60~90	
Indoor (heating)	(Deg. °F)	32~86	
Outdoor (cooling)	(Deg. °F)	5~122	
Outdoor (heating)	(Deg. °F)	-22~75	

INDOOR UNIT DATA			
Input	(W)	/	
Output	(W)	/	
RLA	(A)	6.0	
Speed(Hi/Mi/Lo)	(RPM)	/	
Air Flow & Sound Data:			
Indoor air flow (Hi/Med/Lo)	(CFM)	1470.59/1282.35/1094.12/905.88	
Indoor noise level (Hi/Med/Lo)	(DBA)	50/47/43.5	
Dry Mode (Dehumidification)	(LPH)	4.96	

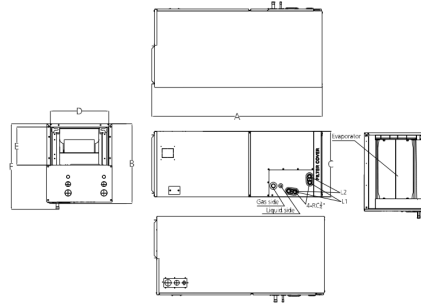
OUTDOOR UNIT DATA	
Compressor:	
Type	ROTARY
Capacity	(Btu/h) 44015
Input	(W) 3565 ±3%
Rated current (RLA)	(A) 33
Outdoor Fan Motor:	
Qty	2
Input	(W) 126.0
Output	(W) 85
RLA	(A) 1.2
Speed	(RPM) 850/750/650
Airflow & Sound Data:	
Outdoor air flow (Max.)	(CFM) 4412
Outdoor noise level	(DBA) 64.0

REFRIGERANT PIPE DATA	
Refrigerant type	R410A
Refrigerant charge	(oz) 169.31
Design pressure	(PSIG) 550/340
Liquid side / Gas side	(inch) 3/8" / 3/4"
Max. pipe length	(ft) 213.3
Max. height difference	(ft) 98.4
Refrigerant Precharge	(ft) 25.0
Additional charge for each ft	(oz/ft) 0.69
Connection method	Flared
Refrigerant oil / oil charge	(ml) 1460±15mlESTER OIL VG74

Dimensions:		
Indoor:		
Dimension (WxDxH)	(inch)	21.02x21.02x49.02
Packing(WxDxH)	(inch)	26.57x24.41x52.56
Net/Gross weight	(lbs.)	130.51/156.31
Outdoor:		
Dimension (WxDxH)	(inch)	37.48x16.34x52.48
Packing(WxDxH)	(inch)	43.11x19.49x58.27
Net/Gross weight	(lbs.)	220.24/248.90

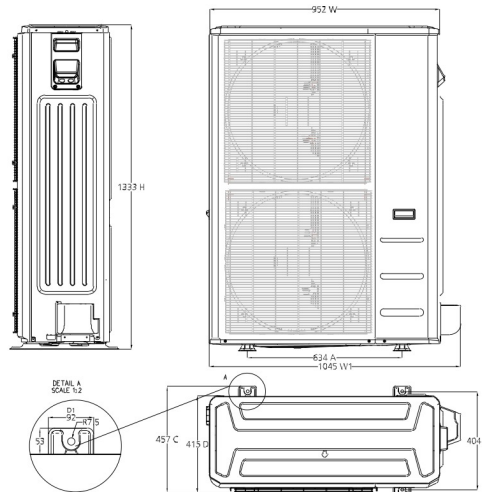
WARRANTY	
	5 years compressor 5 years parts

Indoor Unit Dimension



Dimensions (inch)						Drain Hole	
A	B	C	D	E	F	L1	L2
49	21	21	19-5/16	10-1/4	23	Main Drain	Overflow Drain

Outdoor Unit Dimension



Fan Performance

