

Mitsutomo Submittal Data Sheet

24K 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:	UHM24-BB-Q
Outdoor unit:	UHO24-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)	20.5	
Max fuse (outdoor)	(A)	35.0	
Connection wiring	14AWG*2 Stranded, shielded		
Cooling Efficiencies & Capacity Data:			
Capacity	(Btu/h)	24000(6400~27000)	
Power Input	(W)	2050(740~2450)	
Current	(A)	9.1(5.3~11)	
SEER2	(Btu/W)	17.4	
EER2	(Btu/W)	11.7	
Heating Efficiencies & Capacity Data:			
Capacity	(Btu/h)	24000(10100~31000)	
Power Input	(W)	2100(660~2900)	
Current	(A)	9.3(4.87~12.90)	
HSPF2-4	(Btu/W)	10.0	
HSPF2-5	(Btu/W)	8.0	
COP	W/W	3.35	
Heat at 17F (H32)	(Btu/h)	19200	
Heat at 5F (H42)	(Btu/h)	22600	
COP at 5F (H42)	W/W	1.91	
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)	3.0	
Speed(Hi/Mi/Lo)	(RPM)	/	
Air Flow & Sound Data:			
Indoor air flow (Hi/Med/Lo)	(CFM)	823.53/758.82/694.12/629.41	
Indoor noise level (Hi/Med/Lo)	(DBA)	39/36/33	
Dry Mode (Dehumidification)	(LPH)	1.98	

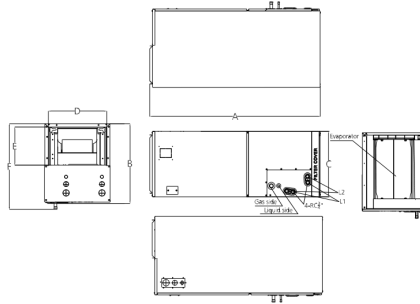
OUTDOOR UNIT DATA			
Compressor:			
Type	Twin-ROTARY		
Capacity	(Btu/h)	26409	
Input	(W)	2085	
Rated current (RLA)	(A)	15	
Outdoor Fan Motor:			
Qty	1		
Input	(W)	150.0	
Output	(W)	120	
RLA	(A)	1.4	
Speed	(RPM)	950/700/500/400	
Airflow & Sound Data:			
Outdoor air flow (Max.)	(CFM)	3000	
Outdoor noise level	(DBA)	62.0	

REFRIGERANT PIPE DATA			
Refrigerant type	R410A		
Refrigerant charge	(oz)	102.32	
Design pressure	(PSIG)	550/340	
Liquid side / Gas side	(inch)	3/8" / 3/4"	
Max. pipe length	(ft)	164.0	
Max. height difference	(ft)	82.0	
Refrigerant Precharge	(ft)	25.0	
Additional charge for each ft	(oz/ft)	0.69	
Connection method	Flared		
Refrigerant oil / oil charge	(ml)	ESTER OIL VG74 670	

Dimensions:			
Indoor:			
Dimension (WxDxH)	(inch)	21.02x17.52x45.00	
Packing(WxDxH)	(inch)	26.57x20.87x48.62	
Net/Gross weight	(lbs.)	105.60/127.43	
Outdoor:			
Dimension (WxDxH)	(inch)	37.24x16.14x31.89	
Packing(WxDxH)	(inch)	42.91x19.69x34.84	
Net/Gross weight	(lbs.)	136.69/145.50	

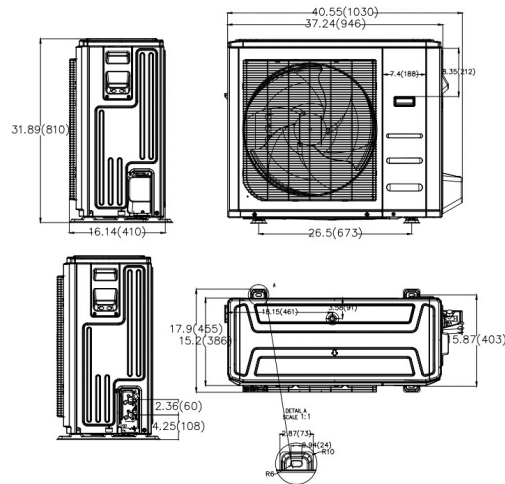
WARRANTY	
	5 years compressor 5 years parts

Indoor Unit Dimension



Dimensions (inch)						Drain Hole	
A	B	C	D	E	F	L1	L2
45	21	17-1/2	15-3/4	10-1/4	23	Main Drain	Overflow Drain

Outdoor Unit Dimension



Fan Performance

