



Mitsutomo Submittal Data Sheet

55K 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:	UHM60-DB-Q
Outdoor unit:	UHO60-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)	55000(14000~56000)	
Power Input	(W)	6280(500~6450)	
Current	(A)	27.4(3.9~28.5)	
SEER2	(Btu/W)	15.3	
EER2	(Btu/W)	8.8	
Heating Efficiencies & Capacity Data:			
Capacity	(Btu/h)	59000(13400~69000)	
Power Input	(W)	5060(750~5890)	
Current	(A)	22(5.5~26.2)	
HSPF2-4	(Btu/W)	9.4	
HSPF2-5	(Btu/W)	7.6	
COP	W/W	3.42	
Heat at 17F (H32)	(Btu/h)	42000	
Heat at 5F (H42)	(Btu/h)	48500	
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)	7.0	
Speed(Hi/Mi/Lo)	(RPM)	/	
Air Flow & Sound Data:			
Indoor air flow (Hi/Med/Lo)	(CFM)	805.88/1582.35/1358.82/1135.29	
Indoor noise level (Hi/Med/Lo)	(DBA)	51/45.5/41.5	
Dry Mode (Dehumidification)	(LPH)	5.55	

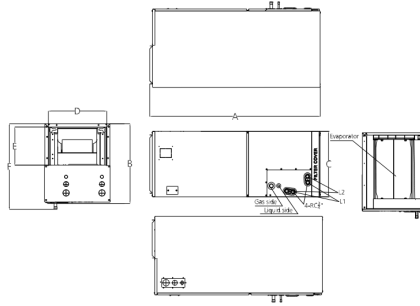
OUTDOOR UNIT DATA			
Compressor:			
Type	ROTARY		
Capacity	(Btu/h)	46335	
Input	(W)	3770	
Rated current (RLA)	(A)	26.2	
Outdoor Fan Motor:			
Qty	2		
Input	(W)	126.0	
Output	(W)	85	
RLA	(A)	1.2	
Speed	(RPM)	850/750/650	
Airflow & Sound Data:			
Outdoor air flow (Max.)	(CFM)	4500	
Outdoor noise level	(DBA)	63.5	

REFRIGERANT PIPE DATA			
Refrigerant type	R410A		
Refrigerant charge	(oz)	169.31	
Design pressure	(PSIG)	550/340	
Liquid side / Gas side	(inch)	3/8" / 7/8"	
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)	POE.VG75/1300	

Dimensions:			
Indoor:			
Dimension (WxDxH)	(inch)	21.02x24.49x52.99	
Packing(WxDxH)	(inch)	27.95x26.77x56.50	
Net/Gross weight	(lbs.)	162.70/192.90	
Outdoor:			
Dimension (WxDxH)	(inch)	37.48x16.34x52.48	
Packing(WxDxH)	(inch)	43.11x19.49x58.27	
Net/Gross weight	(lbs.)	239.86/271.61	

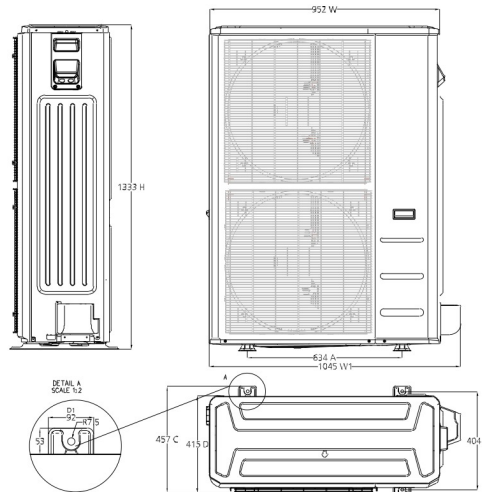
WARRANTY	
	5 years compressor 5 years parts

Indoor Unit Dimension



Dimensions (inch)						Drain Hole	
A	B	C	D	E	F	L1	L2
53	21	24-1/2	22-7/8	10-1/4	23	Main Drain	Overflow Drain

Outdoor Unit Dimension



Fan Performance

