

Mitsutomo Submittal Data Sheet

18k 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:	UHM18-BB-Q
Outdoor unit:	UHO18-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)	16.0	
Max fuse (outdoor)	(A)	20.0	
Connection wiring		14AWG*2 Stranded, shielded	
Cooling Efficiencies & Capacity Data:			
Capacity	(Btu/h)	18000(6880~21000)	
Power Input	(W)	1450(260~1890)	
Current	(A)	6.4(1.5~8.3)	
SEER2	(Btu/W)	18	
EER2	(Btu/W)	12.4	
Heating Efficiencies & Capacity Data:			
Capacity	(Btu/h)	19000(2800~21000)	
Power Input	(W)	1530(430~1920)	
Current	(A)	6.8(2.5~8.5)	
HSPF2-4	(Btu/W)	9.3	
HSPF2-5	(Btu/W)	7.6	
COP	W/W	3.64	
Heat at 17F (H32)	(Btu/h)	13500	
Heat at 5F (H42)	(Btu/h)	16500	
COP at 5F (H42)	W/W	2.04	
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)		2.0
Speed(Hi/Mi/Lo)	(RPM)		/
Air Flow & Sound Data:			
Indoor air flow (Hi/Med/Lo)	(CFM)	617.65/576.47/529.41/488.24	
Indoor noise level (Hi/Med/Lo)	(DBA)		34/31/30
Dry Mode (Dehumidification)	(LPH)		1.67

OUTDOOR UNIT DATA		
Compressor:		
Type		Twin-ROTARY
Capacity	(Btu/h)	26409
Input	(W)	2085
Rated current (RLA)	(A)	10
Outdoor Fan Motor:		
Qty		1
Input	(W)	/
Output	(W)	80
RLA	(A)	1.0
Speed	(RPM)	800/700/580
Airflow & Sound Data:		
Outdoor air flow (Max.)	(CFM)	1279
Outdoor noise level	(DBA)	57.0

REFRIGERANT PIPE DATA		
Refrigerant type		R410A
Refrigerant charge	(oz)	81.13
Design pressure	(PSIG)	550/340
Liquid side / Gas side	(inch)	3/8" / 3/4"
Max. pipe length	(ft)	98.4
Max. height difference	(ft)	65.6
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.)	105.82/129.41
Outdoor:		
Dimension (WxDxH)	(inch)	35.04x13.46x26.50
Packing(WxDxH)	(inch)	39.17x15.67x29.13
Net/Gross weight	(lbs.)	102.95/109.79

WARRANTY	
	5 years compressor 5 years parts

