



Mitsutomo Submittal Data Sheet

18K Multi Zone Heat Pump

Job Name: _____

Engineer: _____

Submitted By: _____

Date: _____

Unit Tag: _____

System Info & Features:

- 2 Port
- Mix and match evaporators
- High heat down to -22 deg
- Auto condenser coil cleaning cycle



MODEL NUMBER	
Outdoor Unit:	HO-MD18-AB-Q
Certified:	
Warranty:	5 years compressor 5 years parts

SYSTEM PERFORMANCE DATA			
Electrical:			
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz	
Minimum circuit ampacity (outdoor)	(A)	20.0	
Max fuse (outdoor)	(A)	25.0	
Connection wiring	14AWG*4 Stranded, unshielded		
Cooling Efficiencies & Capacity Data:		NON DUCTED	DUCTED
Capacity	(Btu/h)	19000(5100~22600)	19000(5200~23000)
Power Input	(W)	1520(230~2100)	1580(260~2300)
Current	(A)	9.0(3.0~10.3)	9.5(3.4~10.3)
SEER2	(Btu/W)	20.5	19.0
EER2	(Btu/W)	12.5	12.0
Heating Efficiencies & Capacity Data:		NON DUCTED	DUCTED
Capacity	(Btu/h)	20000(7900~25000)	20000(6400~28000)
Power Input	(W)	1640(640~2250)	1600(440~2800)
Current	(A)	9.0(4.7~11.8)	9.0(4.0~12.6)
HSPF2-4	(Btu/W)	9.0	9.3
HSPF2-5	(Btu/W)	7.0	7.5
COP	W/W	3.57	3.66
Heat at 17F (H32)	(Btu/h)	13500	16000
Heat at 5F (H42)	(Btu/h)	18000	19000
COP at 5F (H42)	W/W	1.80	1.85
Temperature Ratings:			
Outdoor (cooling)	(Deg. °F)	5~122	
Outdoor (heating)	(Deg. °F)	-22~75	

REFRIGERANT PIPE DATA	
Refrigerant type	R410A
Refrigerant charge	(oz) 91.7
Design pressure	(PSIG) 550/340
Liquid side	(inch) 2x1/4"
Gas side	(inch) 2x3/8"
Max. length for all rooms	(ft) 131.2
Max length for 1 indoor unit	(ft) 82.0
Max. height difference between indoor and outdoor unit	(ft) 49.2
Max height difference between indoor units	(ft) 33.0
Refrigerant Precharge	(ft) 50.0
Refrigerant oil / oil charge	(ml) ESTER OIL VG74 620

ADDITIONAL REFRIGERANT CHARGE		
Additional Charge for both Linesets (ft)	6, 9, 12 & 18 K BTU Indoor Evaporator	24K BTU Indoor Evaporator
	0.16 oz	0.32 oz

OUTDOOR UNIT DATA	
Compressor:	
Type	Twin-Rotary
Capacity	(Btu/h) 25931
Input	(W) 2045
Rated current (RLA)	(A) 11
Outdoor Fan Motor:	
Qty	1
Input	(W) 150.00
Output	(W) 120.00
RLA	(A) 1.70
Speed	(RPM) 1050/900/850
Airflow & Sound Data:	
Outdoor air flow (Max.)	(CFM) 2129.41
Outdoor noise level	(DBA) 61.00

DIMENSIONS:	
Dimension (WxDxH)	(inch) 37.24x16.14x31.89
Packing(WxDxH)	(inch) 42.91x19.69x34.84
Net/Gross weight	(lbs.) 138.23/149.03

Outdoor Unit Dimension

