



Mitsutomo Submittal Data Sheet

48K Multi Zone Heat Pump

Job Name: _____
Engineer: _____
Submitted By: _____

Date: _____
Unit Tag: _____

System Info & Features:

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



MODEL NUMBER	
Outdoor Unit:	HO-MP48-AB-Q
Certified:	
Warranty:	5 years compressor 5 years parts

REFRIGERANT PIPE DATA	
Refrigerant type	R410A
Refrigerant charge	(oz) 162.0
Design pressure	(PSIG) 550/340
Liquid side	(inch) 5x1/4"
Gas side	(inch) 3x3/8"+2x1/2"
Max. length for all rooms	(ft) 262.5
Max length for 1 indoor unit	(ft) 114.8
Max. height difference between indoor and outdoor unit	(ft) 49.2
Max height difference between indoor units	(ft) 33.0
Refrigerant Precharge	(ft) 125.0
Refrigerant oil / oil charge	(ml) 1460±15ml/ESTER OIL VG74

SYSTEM PERFORMANCE DATA			
Electrical:			
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz	
Minimum circuit ampacity (outdoor)	(A)	42.0	
Max fuse (outdoor)	(A)	50.0	
Connection wiring	14AWG*4 Stranded, unshielded		
Cooling Efficiencies & Capacity Data:			
		NON DUCTED	DUCTED
Capacity	(Btu/h)	48000(12700~48500)	47000(18500~51000)
Power Input	(W)	4364(900~4650)	4020(750~4820)
Current	(A)	19.97(6.3~20.5)	18.2(5.8~21.2)
SEER2	(Btu/W)	21.2	20.9
EER2	(Btu/W)	11.0	11.7
Heating Efficiencies & Capacity Data:			
		NON DUCTED	DUCTED
Capacity	(Btu/h)	49000(24400~62000)	49000(12000~59000)
Power Input	(W)	4100(1620~5700)	3900(710~5370)
Current	(A)	19.0(7.8~25)	17.2(5.7~23.8)
HSPF2-4	(Btu/W)	10.0	8.9
HSPF2-5	(Btu/W)	8.0	7.4
COP	W/W	3.50	3.68
Heat at 17F (H32)	(Btu/h)	39000	36000
Heat at 5F (H42)	(Btu/h)	45000	42500
COP at 5F (H42)	W/W	2.00	2.00
Temperature Ratings:			
Outdoor (cooling)	(Deg. °F)	5~122	
Outdoor (heating)	(Deg. °F)	-22~75	

ADDITIONAL REFRIGERANT CHARGE		
Additional Charge for both Linesets (ft)	6, 9, 12 & 18 K BTU Indoor Evaporator	24 & 36 K BTU Indoor Evaporator
	0.16 oz	0.32 oz

OUTDOOR UNIT DATA	
Compressor:	
Type	Rotary
Capacity	(Btu/h) 44015
Input	(W) 3565
Rated current (RLA)	(A) 30
Outdoor Fan Motor:	
Qty	2
Input	(W) 126.00
Output	(W) 85.00
RLA	(A) 1.00
Speed	(RPM) 900/850/800/750
Airflow & Sound Data:	
Outdoor air flow (Max.)	(CFM) 4500.00
Outdoor noise level	(DBA) 65.00

DIMENSIONS:		
Dimension (WxDxH)	(inch)	37.48x16.34x52.48
Packing(WxDxH)	(inch)	43.11x19.49x58.27
Net/Gross weight	(lbs.)	238.32/269.84

Outdoor Unit Dimension

Dimensions (inch)					
W	D	H	W1	A	B
37.5	16.3	52.5	41.7	25.0	15.9

