

Mitsutomo Submittal Data Sheet

55K 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-MP55-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)	40.0	
Max fuse (outdoor)	(A)	60.0	
Connection wiring	14AWG*4 Stranded, unshielded		
Cooling Efficiencies & Capacity Data:			
		NON DUCTED	DUCTED
Capacity	(Btu/h)	55000(11600~56500)	55000(19400~57000)
Power Input	(W)	5238(810~5800)	5238(600~6050)
Current	(A)	23.5(3.9~26)	23.5(3.7~27.2)
SEER2	(Btu/W)	20.0	18.8
EER2	(Btu/W)	10.5	10.5
Heating Efficiencies & Capacity Data:			
		NON DUCTED	DUCTED
Capacity	(Btu/h)	55000(33000~63000)	55000(15500~61500)
Power Input	(W)	5117(2860~5650)	5200(940~5600)
Current	(A)	22.5(12.7~25.5)	22.5(4.9~26)
HSPF2-4	(Btu/W)	9.3	9.3
HSPF2-5	(Btu/W)	7.0	7.3
COP	W/W	3.15	3.10
Heat at 17F (H32)	(Btu/h)	34800	35200
Heat at 5F (H42)	(Btu/h)	45500	46000
COP at 5F (H42)	W/W	1.80	1.90
Temperature Ratings:			
Outdoor (cooling)	(Deg. °F)	5~122	
Outdoor (heating)	(Deg. °F)	-22~75	

REFRIGERANT PIPE DATA	
Refrigerant type	R410A
Refrigerant charge	(oz) 162.3
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
Refrigerant oil / oil charge	(ml) 1460±15ml/ESTER OIL VG74

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) 25
Outdoor Fan Motor:	
Qty	2
Input	(W) 126.00
Output	(W) 85.00
RLA	(A) 2.50
Speed	(RPM) 900/850/800/750
Airflow & Sound Data:	
Outdoor air flow (Max.)	(CFM) 4500.00
Outdoor noise level	(DBA) 62.00

DIMENSIONS:		
Dimension (WxDxH)	(inch)	37.48x16.34x52.48
Packing(WxDxH)	(inch)	43.11x19.49x58.27
Net/Gross weight	(lbs.)	233.03/265.87

Outdoor Unit Dimension

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

