

MSEPB-09HRFN1-MY5W(GA)*3+MSEPB-12HRFN1-MW5W(GA)*2/M5OA-55HFN1-M		55000Btu/h	Multi-zone
Location: _____		Approval: _____	
Engineer: _____		Date: _____	
Submitted to: _____		Construction: _____	
Submitted by: _____		Unit #: _____	
Reference: _____		Drawing #: _____	

Set Model

Indoor unit model

CH-09MASTWM-230VI / CH-12MASTWM-230VI

Outdoor unit model

CH-55MES-230VO

Certified

AHRI



UL

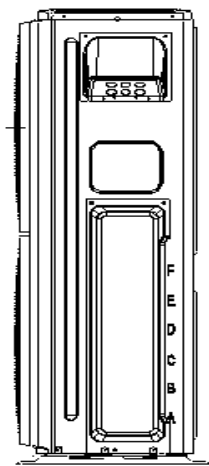
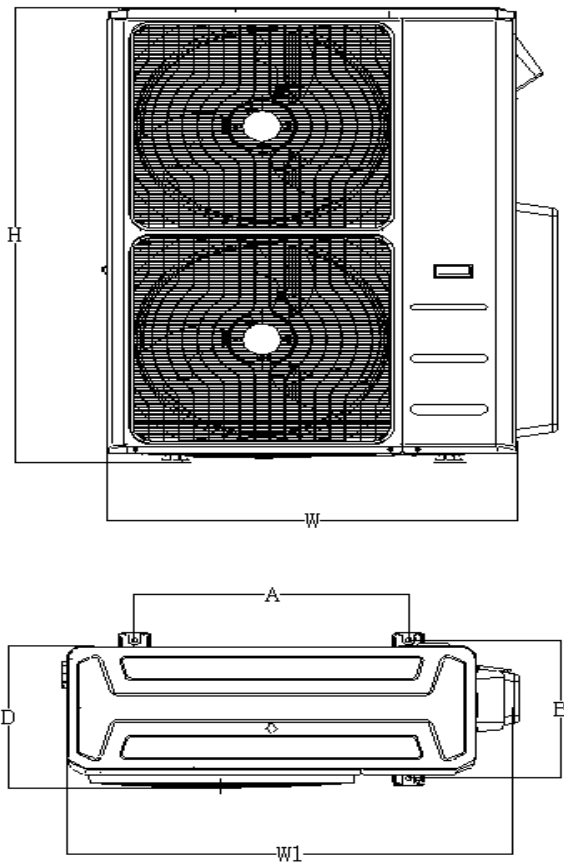




SYSTEM PERFORMANCE DATA			
Power supply			
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz	
Voltage Range	(V)	187-253	
Electrical			
Minimum circuit ampacity	(A)	40.0	
Max.fuse	(A)	60.0	
Connection wiring	14AWG*4 Stranded, unshielded		
Cooling			
Rated Capacity	(Btu/h)	55000(19000~57300)	
Capacity Range	(Btu/h)	55000(19000~57300)	
Powrer Input	(W)	5238	
Rated current	(A)	23.5	
EER	(Btu/W)	11	
SEER	(Btu/W)	21	
Heating at 47F			
Rated Capacity	(Btu/h)	55000(12500~60000)	
Capacity Range	(Btu/h)	55000(12500~60000)	
Powrer Input	(W)	5000	
Rated current	(A)	22.5	
COP	(W/W)	3.2	
HSPF4	(Btu/W)	10.8	
HSPF5	(Btu/W)	8.8	
Heating at 17F			
Max Capacity	(Btu/h)	35000	
REFRIGERANT PIPE DATA			
Design pressure	(PSIG)	550/340	
Refrigerant Type	(Oz)	R410A/162.26ozs	
Refrigerant precharge	(ft)	37.5	
	(m)	123.0	
Additional charge for each ft (Φ6.35 (1/4") liquid pipe)	(oz/ft)	0.2	
	(g/ft)	15.0	
Additional charge for each ft (Φ9.52 (3/8") liquid pipe)	(oz/ft)	0.3	
	(g/ft)	30.0	
Liquid side	(inch)	5 x 1/4"	
	(mm)	5 x Φ6.35	
Gas side	(inch)	3 x 3/8" + 2 x 1/2"	
	(mm)	3 x Φ9.52 + 2 x Φ12.7	
Max. length for all rooms	(ft)	262.5	
	(m)	80.0	
Max. length for one indoor unit	(ft)	114.8	
	(m)	35.0	
Max. height difference between indoor and outdoor unit	(ft)	49.2	
	(m)	15.0	
Max. height difference between indoor units	(ft)	33.0	
	(m)	10.0	

Outdoor(cooling)	(Deg. °F)	-13~122
	(Deg. °C)	-25~50
	(Deg. °F)	-13~75
	(Deg. °C)	-25~24
	Application area	(sq. ft)
	(m2)	73~107

Outdoor unit dimension



Unit↵	W↵	D↵	H↵	W1↵	A↵	B↵
mm↵	952↵	415↵	1333↵	1060↵	634↵	404↵
inch↵	37.5↵	16.3↵	52.5↵	41.7↵	25.0↵	15.9↵