

MTIU-09HWFN1-M*2/M2OI-18HFN1-M		18000Btu/h	Multi-zone
Location: _____		Approval: _____	
Engineer: _____		Date: _____	
Submitted to: _____		Construction: _____	
Submitted by: _____		Unit #: _____	
Reference: _____		Drawing #: _____	

Set Code	22022310001946
Indoor unit code	22023011003874
Outdoor unit code	22022316001286
Set Model	
Indoor unit model	MTIU-09HWFN1-M*2
Outdoor unit model	M2OI-18HFN1-M
Certified	AHRI UL LISTED  



SYSTEM PERFORMANCE DATA			
Power supply			
Normal Operational Voltage	(V, Ph, Hz)	208/230, 1, 60	
Voltage Range	(V)	187-253	
Electrical			
Minimum circuit ampacity	(A)	20.0	
Max.fuse	(A)	25.0	
Connection wiring	14AWG*4	Stranded, unshielded	
Cooling			
Rated Capacity	(Btu/h)	18500(5200~23000)	
Capacity Range	(Btu/h)	18500(5200~23000)	
Power Input	(W)	1640	
Rated current	(A)	9.5	
EER	(Btu/W)	11.5	
SEER	(Btu/W)	19	
Heating at 47F			
Rated Capacity	(Btu/h)	19000(6400~28000)	
Capacity Range	(Btu/h)	19000(6400~28000)	
Power Input	(W)	1600	
Rated current	(A)	9.0	
COP	(W/W)	3.48	
HSPF4	(Btu/W)	9.8	
HSPF5	(Btu/W)	7.9	
Heating at 17F			
Max Capacity	(Btu/h)	20000	
REFRIGERANT PIPE DATA			
Design pressure	(PSIG)	550/340	
Refrigerant Type	(Oz)	R410A/91.7	
Refrigerant precharge	(ft)	15.0	
	(m)	4.9	
Additional charge for each ft (Φ6.35 (1/4") liquid pipe)	(oz/ft)	0.161	
	(g/ft)	15	
Additional charge for each ft (Φ9.52 (3/8") liquid pipe)	(oz/ft)	0.322	
	(g/ft)	30	
Liquid side	(inch)	2 x 1/4"	
	(mm)	2 x Φ6.35	
Gas side	(inch)	2 x 3/8"	
	(mm)	2 x Φ9.52	
Max. length for all rooms	(ft)	131	
	(m)	40	
Max. length for one indoor un	(ft)	82.0	
	(m)	25.0	
Max. height difference between indoor and outdoor unit	(ft)	49	
	(m)	15.0	
Max. height difference between indoor units	(ft)	33	
	(m)	10.0	

Outdoor(cooling/heating)	(Deg. °F)	-22~122 / -22~75
	(Deg. °C)	-30~50 / -30~24
Application area	(sq.ft)	236.81~344.44
	(m2)	22~32
OUTDOOR UNIT DATA		
Compressor		
Type		KTM240D43UKT
Model		ROTARY
Brand		GMCC
Capacity	(Btu/h)	24293.44
Input	(W)	1895
Rated current (RLA)	(A)	-
Refrigerant oil/oil charge	(ml)	VG74/620
Throttle		Capillary +EXV
Outdoor fan motor		
Model		ZKFN-120-8-2
Qty		1
Input	(W)	150.0
RLA	(A)	--
Speed	(r/min)	1050/900/850
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	2129.41
Outdoor noise level	[dB(A)]	61
Outdoor unit		
Dimension (W×D×H)	(inch)	37.24x16.14x31.89
	(mm)	946x410x810
Packing (W×D×H)	(inch)	42.91x19.69x34.84
	(mm)	1090x500x885
Net/ Gross weight	(lbs.)	138.23/149.03
	(kg)	62.7/67.6

Outdoor unit dimension

