



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

<b>Set Code</b>	22022310001946
Indoor unit code	22023011003874
Outdoor unit code	22022316001286
<b>Set Model</b>	
Indoor unit model	
Outdoor unit model	A-VMH18DV-1
<b>Certified</b>	<b>AHRI</b> 
	<b>UL</b> 



**SYSTEM PERFORMANCE DATA**

<b>Power supply</b>		
Normal Operational Voltage	(V, Ph, Hz)	208/230, 1, 60
Voltage Range	(V)	187-253
<b>Electrical</b>		
Minimum circuit ampacity	(A)	20.0
Max.fuse	(A)	25.0
Connection wiring		14AWG*4 Stranded, unshielded
<b>Cooling</b>		
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

<b>Heating at 47F</b>		
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

<b>Heating at 17F</b>		
Max Capacity	(Btu/h)	20000

**REFRIGERANT PIPE DATA**

Design pressure	(PSIG)	550/340
Refrigerant Type	(Oz)	R410A/91.7
Refrigerant precharge	(ft)	49.2
	(m)	14.9
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 UNIT DATA**

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**

<b>Compressor</b>		
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
<b>Outdoor fan motor</b>		
Model		ZKFN-120-8-2
Qty		1
Input	(W)	150.0
RLA	(A)	--
Speed	(r/min)	1050/900/850
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.)	(CFM)	2129.41
Outdoor noise level	[dB(A)]	61
<b>Outdoor unit</b>		
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

