



SUBMITTAL DATA SHEET

24000Btu/h		AHU Heat Pump System	
Location: _____	Approval: _____		
Engineer: _____	Date: _____		
Submitted to: _____	Construction: _____		
Submitted by: _____	Unit #: _____		
Reference: _____	Drawing #: _____		

Set Code	22023110000507
Indoor unit code	22023111000250
Outdoor unit code	22023116000161
Set Model	
Indoor unit model	FMA24HIAHUU230X7
Outdoor unit model	DMA24HOS20230E7
Certified	
AHRI	
UL	
	



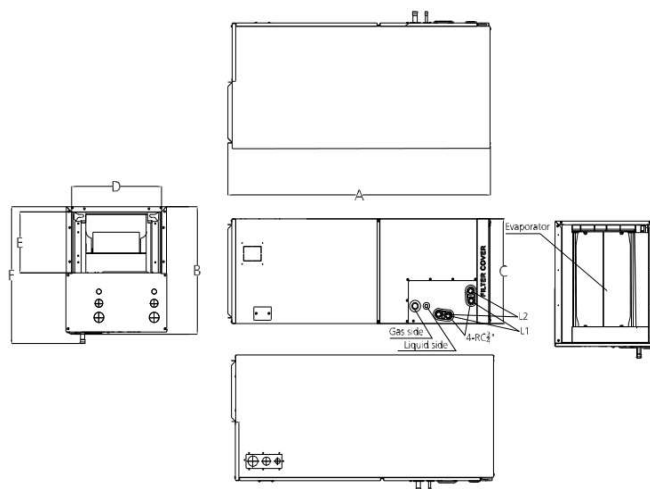
SYSTEM PERFORMANCE DATA			
Power supply			
Normal Operational Voltage	(V, Ph, Hz)	208/230, 1, 60	
Voltage Range	(V)	187-253	
Electrical			
Minimum circuit ampacity	(A)	20.5	
Max.fuse	(A)	35	
Connection wiring	14AWG*2 Stranded, shielded		
Cooling			
Rated Capacity	(Btu/h)	24000.00	
Capacity Range	(Btu/h)	6400~27000	
Power Input	(W)	1920.00	
Rated current	(A)	9.40	
SEER	(Btu/W)	20.00	
EER	(Btu/W)	12.50	
Heating at 47F			
Rated Capacity	(Btu/h)	24000.00	
Capacity Range	(Btu/h)	10100~31000	
Power Input	(W)	2040.00	
Rated current	(A)	9.13	
HSPF4	(Btu/W)	12.00	
HSPF5	(Btu/W)	10.00	
COP	W/W	3.45	

REFRIGERANT PIPE DATA			
Throttle type	Indoor unit	EEV for cooling	
	Outdoor unit	EEV for heating	
Design pressure	(PSIG)	550/340	
Refrigerant Type	(Oz)	R410A/102.32	
Refrigerant precharge	(ft)	25.00	
	(m)	7.50	
Additional charge for each ft	(oz/ft)	0.69	
	(g/m)	65	
Liquid side/ Gas side	(inch)	3/8" / 3/4"	
	(mm)	9.52/19	
Max. pipe length	(ft)	164.00	
	(m)	50	
Max. difference in level	(ft)	82.00	
	(m)	25	
Connection method		Flared	
Indoor(cooling/ heating)	(Deg. °F)	60~90/32~86	
	(Deg. °C)	16~32/0~30	
Outdoor(cooling/heating)	(Deg. °F)	-30~122/-30~75	
	(Deg. °C)	-30~50/-30~24	
Application area	(sq.ft)	344.44~505.90	
	(m2)	32~47	

INDOOR UNIT DATA			
Indoor fan motor			
Type		Centrifugal	
Model		ZKFD-250-8-1	
Qty		1.00	
Input	(W)	67.80	
RLA	(A)	---	
LRA	(A)	---	
Winding Resistance	(Ω)	---	
Capacitor	(uF)	---	
Speed(Hi/Mi/Lo)	(r/min)	-	
Air flow & Noise level			
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	758.82/694.12/629.41	
Indoor noise level (Hi/Med/Lo)	[dB(A)]	43/40.5/35	
Dehumidification	(Pint/H)	---	
Indoor unit			
Dimension (WxDxH)	(inch)	21.02x17.52x45.00	
	(mm)	534x445x1143	
Packing(WxDxH)	(inch)	25.20x20.87x50.39	
	(mm)	640x530x1280	
Net/Gross weight	(lbs.)	105.60/127.43	
	(kg)	47.9/57.8	

OUTDOOR UNIT DATA			
Compressor			
Type		Twin-ROTARY	
Model		KTM240D57UMT	
Brand		GMCC	
Capacity	(Btu/h)	24686.00	
Input	(W)	1945.00	
Rated current (RLA)	(A)	-	
Refrigerant oil/oil charge	(ml)	VG74/670	
Outdoor fan motor			
Model		ZKFN-120-8-2	
Qty		1.00	
Input	(W)	150.0	
RLA	(A)	--	
Speed	(r/min)	950/700/500/400	
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)	3000.00	
Outdoor noise level	[dB(A)]	64	
Outdoor unit			
Dimension (WxDxH)	(inch)	37.24x16.14x31.89	
	(mm)	946x410x810	
Packing (WxDxH)	(inch)	42.91x19.69x34.84	
	(mm)	1090x500x885	
Net/ Gross weight	(lbs.)	136.69/145.50	
	(kg)	62/66	

Indoor unit dimension



Model	Unit	Dimensions(mm)						Drain hole	
		A	B	C	D	E	F	L1	L2
18k~24k	mm	1143	534	445	400	260	585	Main drain	Overflow drain
	inch	45	21	17-1/2	15-3/4	10-1/4	23		
30k~48k	mm	1245	534	534	490	260	585		
	inch	49	21	21	19-5/16	10-1/4	23		
60k	mm	1346	534	622	580	260	585		
	inch	53	21	24-1/2	22-7/8	10-1/4	23		

Outdoor unit dimension

