



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

Set Code	22023110000429
Indoor unit code	22023111000252
Outdoor unit code	22023116000083
Set Model	
Indoor unit model	FMA60HIAHUU230X7
Outdoor unit model	DMA60HOS19230E7
Certified	
AHRI	
UL	



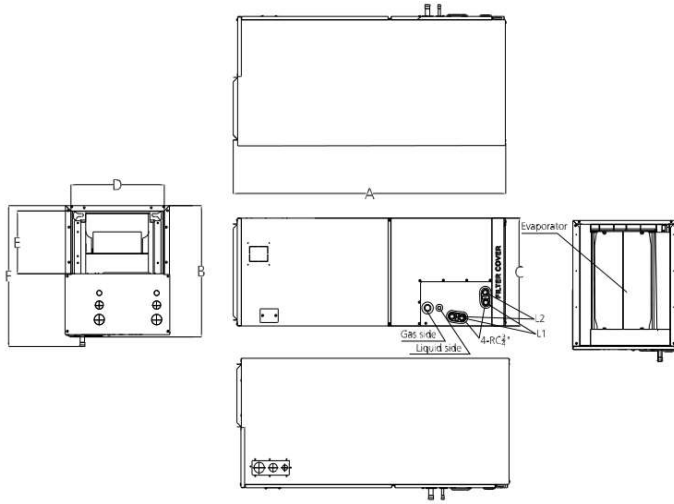
SYSTEM PERFORMANCE DATA			
Power supply			
Normal Operational Voltage	(V, Ph, Hz)	208/230, 1, 60	
Voltage Range	(V)	187-253	
Electrical			
Minimum circuit ampacity	(A)	34.0	
Max.fuse	(A)	60.0	
Connection wiring	14AWG*2 Stranded, shielded		
Cooling			
Rated Capacity	(Btu/h)	57000	
Capacity Range	(Btu/h)	14000~60200	
Power Input	(W)	5644	
Rated current	(A)	23.8	
SEER	(Btu/W)	18	
EER	(Btu/W)	10.3	
Heating at 47F			
Rated Capacity	(Btu/h)	60000	
Capacity Range	(Btu/h)	11400~63100	
Power Input	(W)	4959	
Rated current	(A)	20.9	
HSPF4	(Btu/W)	9.2	
HSPF5	(Btu/W)	7.6	
COP	W/W	3.55	

REFRIGERANT PIPE DATA			
Throttle type	Indoor unit	EEV for cooling	
	Outdoor unit	EEV for heating	
Design pressure	(PSIG)	550/340	
Refrigerant Type	(Oz)	R410A/172.84	
Refrigerant precharge	(ft)	25.0	
	(m)	7.5	
Additional charge for each ft	(oz/ft)	0.69	
	(g/m)	65	
Liquid side/ Gas side	(inch)	3/8" / 7/8"	
	(mm)	9.52/22	
Max. pipe length	(ft)	213.0	
	(m)	65	
Max. difference in level	(ft)	98.0	
	(m)	30	
Connection method	Flared		
Indoor(cooling/ heating)	(Deg. °F)	60~90/32~86	
	(Deg. °C)	16~32/0~30	
Outdoor(cooling/heating)	(Deg. °F)	-4~122/-4~75	
	(Deg. °C)	-20~50/-20~24	
Application area	(sq.ft)	818.06~1194.79	
	(m2)	76~111	

INDOOR UNIT DATA			
Indoor fan motor			
Type			Centrifugal
Model			ZKFD-750-8-1
Qty			1
Input	(W)	286.5	
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)	1582.35/1358.82/1135.29	
Indoor noise level (Hi/Med/Lo)	[dB(A)]	52.5/49/44	
Dehumidification			
	(Pint/H)	---	
Indoor unit			
Dimension (WxDxH)	(inch)	21.02x24.49x52.99	
	(mm)	534x622x1346	
Packing(WxDxH)	(inch)	25.20x27.76x58.27	
	(mm)	640x705x1480	
Net/Gross weight	(kg)	73.8/86.5	
	(lbs)	162.70/190.70	

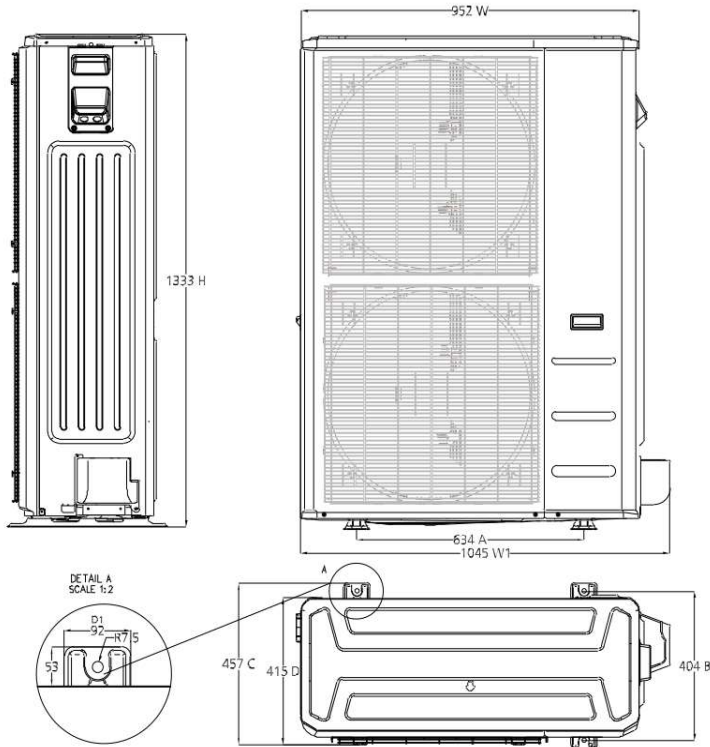
OUTDOOR UNIT DATA			
Compressor			
Type			ROTARY
Model			KTQ420D1UMU
Brand			GMCC
Capacity	(Btu/h)	44697	
Input	(W)	3420	
Rated current (RLA)	(A)	-	
Refrigerant oil/oil charge	(ml)	VG74/1400	
Outdoor fan motor			
Model			ZKFN-85-8-22-5
Qty			2
Input	(W)	126.0	
RLA	(A)	-	
Speed	(r/min)	900/850/650	
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)	4411.76	
Outdoor noise level	[dB(A)]	61	
Outdoor unit			
Dimension (WxDxH)	(inch)	37.48x16.34x52.48	
	(mm)	952x415x1333	
Packing (WxDxH)	(inch)	43.11x19.49x58.27	
	(mm)	1095x495x1480	
Net/ Gross weight	(lbs.)	217.15/248.46	
	(kg)	98.5/112.7	

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



Fan performance

