



36000Btu/h	AHU Heat Pump System
Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____

<b>Set Code</b>	22023110000527
Indoor unit code	22023111000251
Outdoor unit code	22023116000164
<b>Set Model</b>	
Indoor unit model	FMA36HIAHUU230X7
Outdoor unit model	DMA36HOS20230E7
<b>Certified</b>	AHRI  UL 



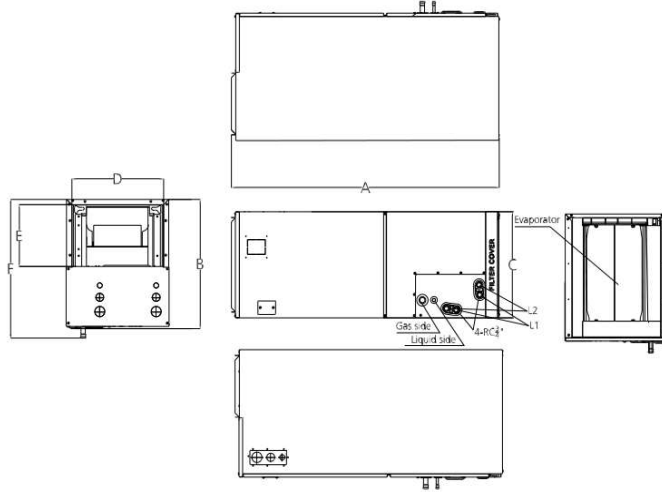
SYSTEM PERFORMANCE DATA		
<b>Power supply</b>		
Normal Operational Voltage	(V, Ph, Hz)	208/230, 1, 60
Voltage Range	(V)	187-253
<b>Electrical</b>		
Minimum circuit ampacity	(A)	41
Max.fuse	(A)	50
Connection wiring		14AWG*2 Stranded, shielded
<b>Cooling</b>		
Rated Capacity	(Btu/h)	36000.00
Capacity Range	(Btu/h)	12000~47400
Power Input	(W)	3300.00
Rated current	(A)	14.80
SEER	(Btu/W)	18.00
EER	(Btu/W)	10.50
<b>Heating at 47F</b>		
Rated Capacity	(Btu/h)	40000.00
Capacity Range	(Btu/h)	9000~57200
Power Input	(W)	3400.00
Rated current	(A)	14.80
HSPF4	(Btu/W)	10.50
HSPF5	(Btu/W)	8.50
COP	W/W	3.45

REFRIGERANT PIPE DATA		
Throttle type	Indoor unit Outdoor unit	EEV for cooling EEV for heating
Design pressure	(PSIG)	550/340
Refrigerant Type	(Oz)	R410A/165.79
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)	213.00
	(m)	65
Max. difference in level	(ft)	98.00
	(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)	-30~122/-30~75
	(Deg. °C)	-30~50/ -30 ~24
Application area	(sq.ft)	516.67 ~ 753.47
	(m2)	48 ~ 70

INDOOR UNIT DATA		
<b>Indoor fan motor</b>		
Type		Centrifugal
Model		ZKFD-375-8-1
Qty		1.00
Input	(W)	168.00
RLA	(A)	---
LRA	(A)	---
Winding Resistance	(Ω)	---
Capacitor	(uF)	---
Speed(Hi/Mi/Lo)	(r/min)	-
<b>Air flow &amp; Noise level</b>		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	1082.35/970.59/864.71
Indoor noise level (Hi/Med/Lo)	[dB(A)]	46.8/44/41.3
Dehumidification	(Pint/H)	---
<b>Indoor unit</b>		
Dimension (WxDxH)	(inch)	21.02x21.02x49.02
	(mm)	534x534x1245
Packing(WxDxH)	(inch)	25.20x24.41x54.33
	(mm)	640x620x1380
Net/Gross weight	(lbs.)	129.19/155.64
	(kg)	58.6/70.6

OUTDOOR UNIT DATA		
<b>Compressor</b>		
Type		ROTARY
Model		EAPQ420D1UMUA
Brand		GMCC
Capacity	(Btu/h)	44015.00
Input	(W)	3565.00
Rated current (RLA)	(A)	-
Refrigerant oil/oil charge	(ml)	1460±15ml ESTER OIL VG74
<b>Outdoor fan motor</b>		
Model		ZKFN-85-8-22-5
Qty		2.00
Input	(W)	126.0
RLA	(A)	---
Speed	(r/min)	850/750/650
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.)	(CFM)	4500.00
Outdoor noise level	[dB(A)]	64
<b>Outdoor unit</b>		
Dimension (WxDxH)	(inch)	37.48x16.34x52.48
	(mm)	952x415x1333
Packing (WxDxH)	(inch)	43.11x19.49x58.27
	(mm)	1095x495x1480
Net/ Gross weight	(lbs.)	227.07/255.73
	(kg)	103/116

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

