

SUBMITTAL DATA SHEET



48000Btu/h	AHU Heat Pump System
Location: _____	Approval: _____
Engineer: _____	Date: _____
Submitted to: _____	Construction: _____
Submitted by: _____	Unit #: _____
Reference: _____	Drawing #: _____

Set Code	22023110000487
Indoor unit code	22023111000272
Outdoor unit code	22023116000141
Set Model	
Indoor unit model	FMA48HIAHUU230X7
Outdoor unit model	DMA48HOS20230E7
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)	42	
Max.fuse	(A)	50	
Connection wiring		14AWG ² Stranded, shielded	
Cooling			
Rated Capacity	(Btu/h)	47000.00	
Capacity Range	(Btu/h)	18000~48000	
Power Input	(W)	5530.00	
Rated current	(A)	24.20	
SEER	(Btu/W)	16.00	
EER	(Btu/W)	8.50	
Heating at 47F			
Rated Capacity	(Btu/h)	50000.00	
Capacity Range	(Btu/h)	20000~55000	
Power Input	(W)	4880.00	
Rated current	(A)	21.50	
HSPF4	(Btu/W)	10.00	
HSPF5	(Btu/W)	8.50	
COP	W/W	3.00	

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	EEV for cooling	
	Outdoor unit	EEV for heating	
Design pressure	(PSIG)	550/340	
Refrigerant Type	(Oz)	R410A/169.31	
Refrigerant precharge	(ft)	25.00	
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)	688.89~1011.81	
	(m2)	64~94	

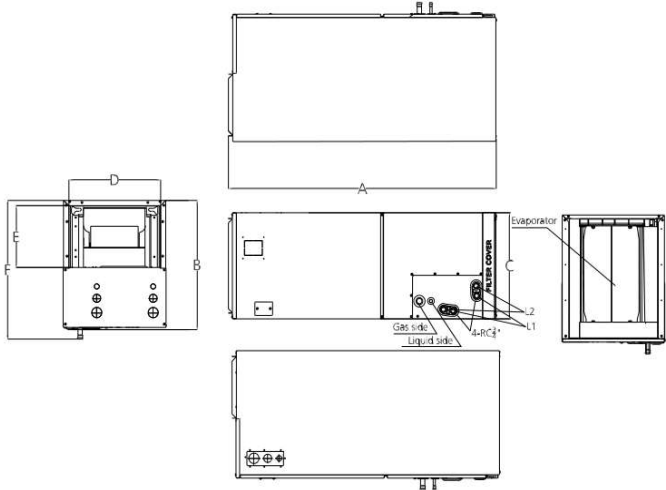
INDOOR UNIT DATA

Indoor fan motor			
Type			Centrifugal
Model			ZKFD-560-8-1
Qty			1.00
Input	(W)		235.00
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)	1282.35/1094.12/905.88	
Indoor noise level (Hi/Med/Lo)	[dB(A)]	53/50/46	
Dehumidification			
Indoor unit	(Pint/H)		---
Dimension (WxDxH)	(inch)	21.02x21.02x49.02	
	(mm)	534x534x1245	
Packing(WxDxH)	(inch)	25.20x24.41x54.33	
	(mm)	640x620x1380	
Net/Gross weight	(lbs.)	130.51/156.31	
	(kg)	59.2/70.9	

OUTDOOR UNIT DATA

Compressor			
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
Outdoor fan motor			
Model			ZKFN-85-8-22-5
Qty			2.00
Input	(W)		126.0
RLA	(A)		--
Speed	(r/min)		850/750/650
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)		4411.76
Outdoor noise level	[dB(A)]		64
Outdoor unit			
Dimension (WxDxH)	(inch)	37.48x16.34x52.48	
	(mm)	952x415x1333	
Packing (WxDxH)	(inch)	43.11x19.49x58.27	
	(mm)	1095x495x1480	
Net/ Gross weight	(lbs.)	220.24/248.90	
	(kg)	99.9/112.9	

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

