






SUBMITTAL DATA SHEET

AHU Heat Pump System **ACIQ-24AHB-HH-M**

Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____
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Set Code	2202311000947
Indoor unit code	22023111000311
Outdoor unit code	22022016015920
Set Model	
Indoor unit model	ACIQ-24AHB-HH-M
Certified	
AHRI	
UL	
	



SYSTEM PERFORMANCE DATA

Power supply			
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz	
Voltage Range	(V)	187-253	
Electrical			
Minimum circuit ampacity(Outdoor)	(A)	25.0	
Max.fuse(Outdoor)	(A)	35.0	
Connection wiring		14AWG*4	
Cooling			
Capacity	(Btu/h)	23000(7500-26000)	
Power Input	(W)	1965(280-2600)	
Current	(A)	8.7(2.4-11.5)	
SEER2	(Btu/W)	18.4	
EER2	(Btu/W)	11.7	
Heating			
Capacity	(Btu/h)	26000(5600-29000)	
Power Input	(W)	2180(350-2600)	
Current	(A)	9.7(2.7-12)	
HSPF2-4	(Btu/W)	9.3	
HSPF2-5	(Btu/W)	7.5	
COP	W/W	3.50	
Heat at 17F(H32)	(Btu/h)	16900	
Heat at 5F(H42)	(Btu/h)	21200	
COP at 5F(H42)	W/W	1.90	

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	N/A
	Outdoor unit	EXV+Throttle valve
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	91.71
Refrigerant precharge	(ft)	25.0
	(m)	7.5
Additional charge for each ft	(oz/ft)	0.32
Additional charge for each m	(g/m)	30.0
Liquid side/ Gas side(indoor)	(inch)	3/8"/5/8"
	(mm)	9.52/15.9
Liquid side/ Gas side(outdoor)	(inch)	3/8"/5/8"
	(mm)	9.52/15.9
Max. pipe length	(ft)	98.4
	(m)	30.0
Max. difference in level	(ft)	65.6
	(m)	20.0
Connection method		Flared
Indoor(cooling)	(Deg. °F)	60~90
	(Deg. °C)	16~32
Indoor(heating)	(Deg. °F)	32~86
	(Deg. °C)	0~30
Outdoor(cooling)	(Deg. °F)	-22~122
	(Deg. °C)	-30~50
Outdoor(heating)	(Deg. °F)	-22~75
	(Deg. °C)	-30~24

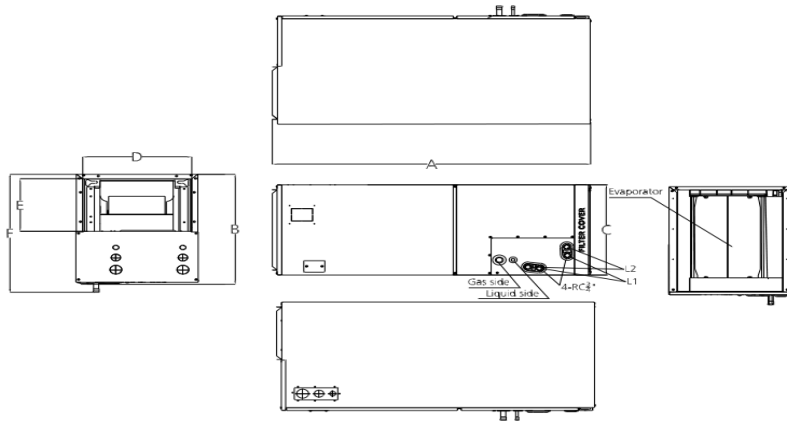
INDOOR UNIT DATA

Indoor fan motor			
Model			ZKFD-250-8-1
Qty			1
Input	(W)		/
Output	(W)		/
RLA	(A)		3.0
Speed(Hi/Mi/Lo)	(r/min)		/
Air flow & Noise level			
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	823.53/758.82/694.12/629.41	
Indoor noise level (Hi/Med/Lo)	[dB(A)]	41/39/38	
Dehumidification	(L/H)	1.98	
Indoor unit			
Dimension (WxDxH)	(inch)	21.02x17.52x45.00	
	(mm)	534x445x1143	
Packing(WxDxH)	(inch)	26.57x20.87x48.62	
	(mm)	675x530x1235	
Net/Gross weight	(lbs.)	106.70/127.21	
	(kg)	48.4/57.7	

OUTDOOR UNIT DATA

Compressor			
Type			Twin-ROTARY
Model			KTM240D43UKT
Brand			GMCC
Capacity	(Btu/h)		25931
Input	(W)		2045
Rated current (RLA)	(A)		17.1
Refrigerant oil/oil charge	(ml)		ESTER OIL VG74 620
Outdoor fan motor			
Model			ZKFN-120-8-2
Qty			1
Input	(W)		150.0
Output	(W)		120
RLA	(A)		0.5
Speed	(r/min)		950/800/500
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)		2235
Outdoor noise level	[dB(A)]		62.0
Outdoor unit			
Dimension (WxDxH)	(inch)	37.24x16.14x31.89	
	(mm)	946x410x810	
Packing (WxDxH)	(inch)	42.91x19.69x34.84	
	(mm)	1090x500x885	
Net/ Gross weight	(lbs.)	134.48/144.40	
	(kg)	61/65.5	

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

