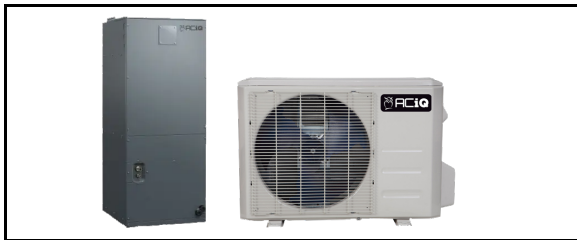




SUBMITTAL DATA SHEET

AHU Heat Pump System	ACIQ-36-AHB / ACIQ-36-HPB (Indoor/Outdoor)
Location: _____	Approval: _____
Engineer: _____	Date: _____
Submitted to: _____	Construction: _____
Submitted by: _____	Unit #: _____
Reference: _____	Drawing #: _____

Set Code	2202311000848
Indoor unit code	22023111000251
Outdoor unit code	22023116000164
Set Model	
Indoor unit model	ACIQ-36-AHB
Outdoor unit model	ACIQ-36-HPB
Certified	



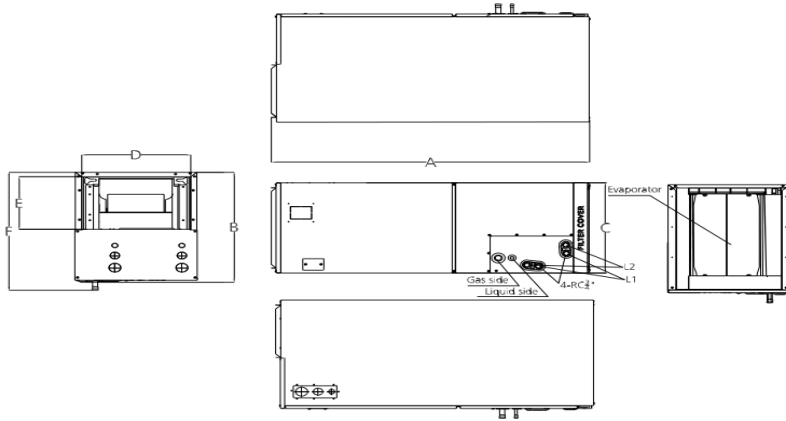
SYSTEM PERFORMANCE DATA			
Power supply			
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph.	60Hz
Voltage Range	(V)		187-253
Electrical			
Minimum circuit ampacity(Outdoor)	(A)		30.0
Max.fuse(Outdoor)	(A)		50.0
Connection wiring		14AWG*2	Stranded, shielded
Cooling			
Capacity	(Btu/h)	36000(13000-47400)	
Power Input	(W)	3673(462-5700)	
Current	(A)	15.97(3.53-25)	
SEER2	(Btu/W)		16.0
EER2	(Btu/W)		9.8
Heating			
Capacity	(Btu/h)	40000(11000-57200)	
Power Input	(W)	3448(593-5700)	
Current	(A)	15(4.34-25)	
HSPF2-4	(Btu/W)		9.5
HSPF2-5	(Btu/W)		7.8
COP	W/W		3.36
Heat at 17F(H32)	(Btu/h)		30500
Heat at 5F(H42)	(Btu/h)		34400
COP at 5F(H42)	W/W		1.97

REFRIGERANT PIPE DATA			
Throttle type	Indoor unit	EEV for cooling	
	Outdoor unit	EEV for heating	
Design pressure	(PSIG)		550/340
Refrigerant Type			R410A
Refrigerant charge	oz		165.79
Refrigerant precharge	(ft)		25.0
	(m)		7.5
Additional charge for each ft	(oz/ft)		0.69
Additional charge for each m	(g/m)		65.0
Liquid side/ Gas side(indoor)	(inch)	3/8" / 3/4"	
	(mm)	9.52/19	
Liquid side/ Gas side(outdoor)	(inch)	3/8" / 3/4"	
	(mm)	9.52/19	
Max. pipe length	(ft)		213.3
	(m)		65.0
Max. difference in level	(ft)		98.4
	(m)		30.0
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)		5~122
	(Deg. °C)		-15~50
Outdoor(heating)	(Deg. °F)		-22~75
	(Deg. °C)		-30~24

INDOOR UNIT DATA			
Indoor fan motor			
Model			ZKFD-375-8-1-1
Qty			1
Input	(W)		/
Output	(W)		/
RLA	(A)		4.0
Speed(Hi/Mi/Lo)	(r/min)		/
Air flow & Noise level			
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	1188.24/1082.35/970.59/864.71	
Indoor noise level (Hi/Med/Lo)	[dB(A)]		45/43/41
Dehumidification	(L/H)		3.49
Indoor unit			
Dimension (WxDxH)	(inch)	21.02x21.02x49.02	
	(mm)	534x534x1245	
Packing(WxDxH)	(inch)	26.57x24.41x52.56	
	(mm)	675x620x1335	
Net/Gross weight	(lbs.)	129.19/155.64	
	(kg)	58.6/70.6	
Accessories			
Adaptor for welding(3/4")	Qty		1
Adaptor for welding(3/8")	Qty		1

OUTDOOR UNIT DATA			
Compressor			
Type			ROTARY
Model			EAPQ420D1UMUA
Brand			GMCC
Capacity	(Btu/h)		44015
Input	(W)		3565 ±3%
Rated current (RLA)	(A)		32
Refrigerant oil/oil charge	(ml)	1460±15ml	ESTER OIL VG74
Outdoor fan motor			
Model			ZKFN-85-8-22-5
Qty			2
Input	(W)		126.0
Output	(W)		85
RLA	(A)		1.2
Speed	(r/min)		850/750/650
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)		4500
Outdoor noise level	[dB(A)]		64.0
Outdoor unit			
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	
Accessories			
Adaptor for welding(3/4")	Qty		1
Adaptor for welding(3/8")	Qty		1

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

