

SUBMITTAL DATA SHEET

AHU Heat Pump System

Location: _____
 Engineer: _____
 Submitted to: _____
 Submitted by: _____
 Reference: _____

Approval: _____
 Date: _____
 Construction: _____
 Unit #: _____
 Drawing #: _____

Set Code
 Indoor unit code 22023110001667
 Outdoor unit code 2202311000251
 22023116000501

Set Model
 Indoor unit model ACIQ-36-AHB
 Outdoor unit model ACIQ-36-HPC

Certified

AHRI  

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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
Max.fuse(Outdoor)	(A)	35
Connection wiring		14AWG*2 Stranded, shielded
Cooling		
Capacity	(Btu/h)	35000(14000~38000)
Powrer Input	(W)	2990(790~4640)
Current	(A)	13.6(3.43~20.17)
SEER2	(Btu/W)	16.3
EER2	(Btu/W)	11.7
Heating		
Capacity	(Btu/h)	39000(11000~48000)
Powrer Input	(W)	3360(730~4540)
Current	(A)	14.61(3.17~19.7)
HSPF2-4	(Btu/W)	9.5
HSPF2-5	(Btu/W)	8
COP	W/W	3.40
Heat at 17F(H32)	(Btu/h)	31800
Heat at 5F(H42)	(Btu/h)	38000
COP at 5F(H42)	W/W	1.8

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	141.10
	(ft)	25.0
Refrigerant precharge	(m)	7.5
Additional charge for each ft	(oz/ft)	0.69
Additional charge for each m	(g/m)	65
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)	213.25
	(m)	65
Max. difference in level	(ft)	98.42
	(m)	30
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

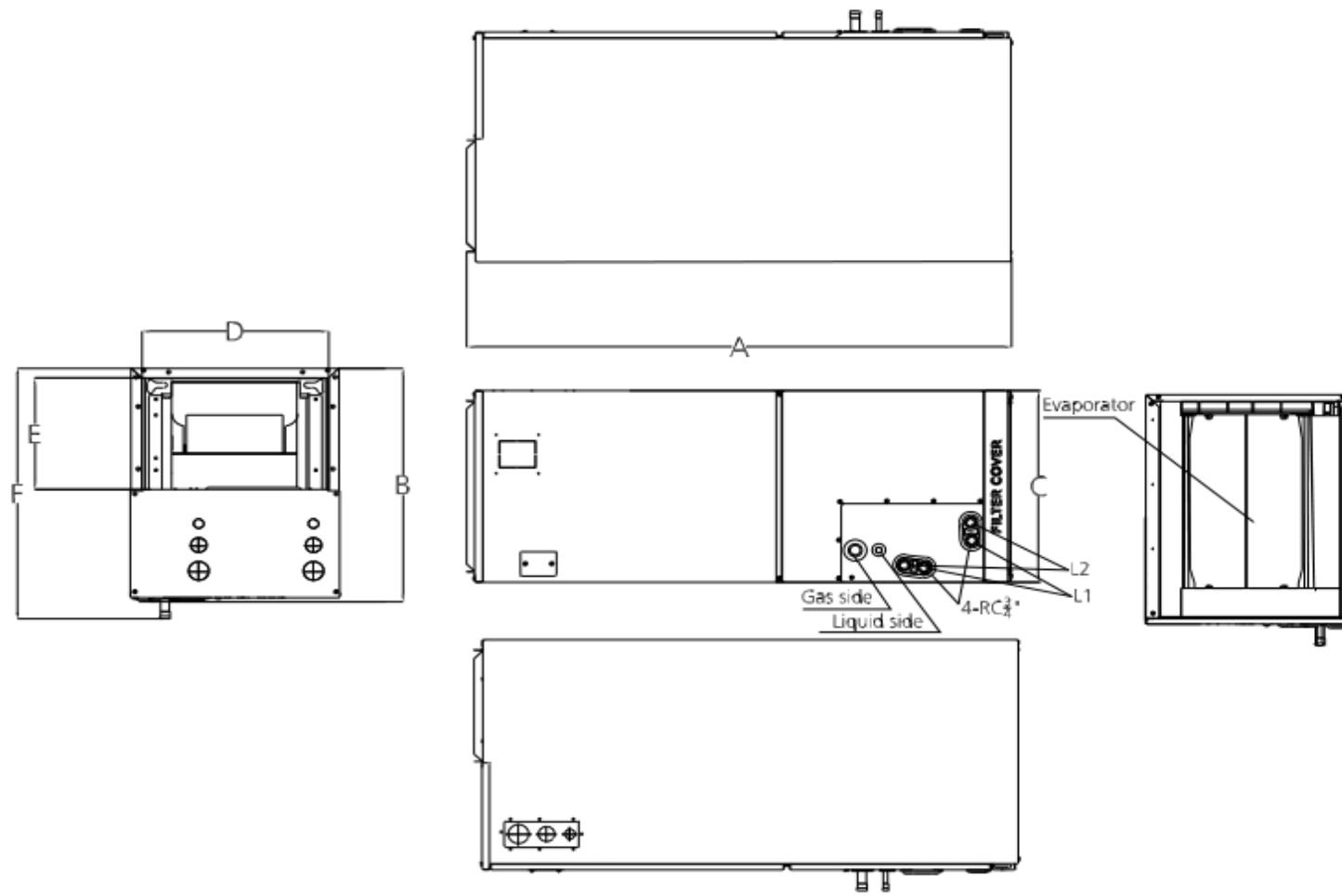
INDOOR UNIT DATA

Indoor fan motor		
Model		ZKFD-375-8-1-1
Qty		1
Input	(W)	/
Output	(W)	/
RLA	(A)	4.00
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)]	49/44/42
Dehumidification	(L/H)	3.65
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)	#VALUE!
Input	(W)	3565 ±3%
Rated current (RLA)	(A)	21.5
Refrigerant oil/oil charge	(ml)	1460±15mlESTER OIL VG74
Outdoor fan motor		
Model		ZKFN-250-10-1
Qty		1.00
Input	(W)	/
Output	(W)	/
RLA	(A)	2.5
Speed	(r/min)	850/800/750/650/550
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	3035.29
Outdoor noise level	[dB(A)]	65
Outdoor unit		
Dimension (WxDxH)	(inch)	38.58x14.76x38.39
	(mm)	980x375x975
Packing (WxDxH)	(inch)	45.08x19.69x42.52
	(mm)	1145x500x1080
Net/ Gross weight	(lbs.)	203.71/234.57
Net/ Gross weight	(kg)	92.4/106.4
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

