

SUBMITTAL DATA SHEET

A-Coil Heat Pump System

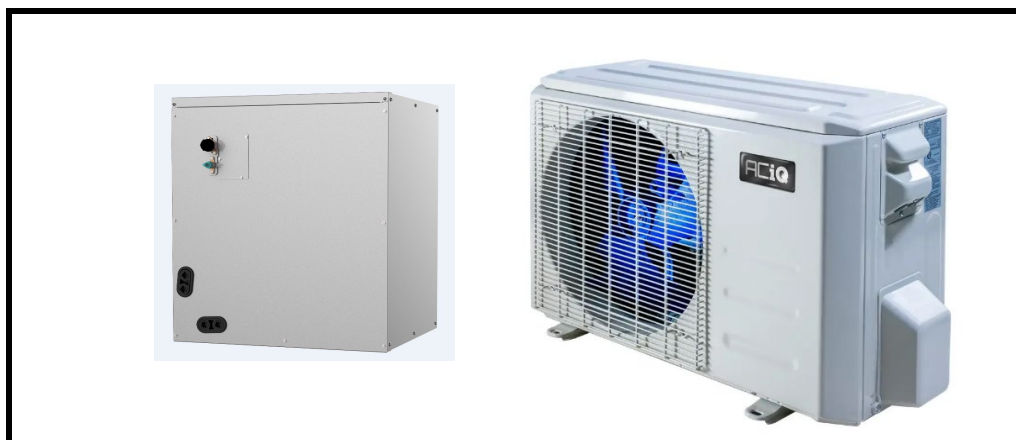
Location: _____
 Engineer: _____
 Submitted to: _____
 Submitted by: _____
 Reference: _____

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

Set Code
 Indoor unit code 22023110001507
 Outdoor unit code 2202311000670
 22023116000102

Set Model
 Indoor unit model ACIQ-24-ACL-14
 Outdoor unit model ACIQ-18-EHPB

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)	16.0
Max.fuse(Outdoor)	(A)	20.0
Connection wiring		N/A
Cooling		
Capacity	(Btu/h)	18000(6000~19000)
Power Input	(W)	1770(240~1900)
Current	(A)	7.3(0.8~8.5)
SEER2	(Btu/W)	15.2
EER2	(Btu/W)	10.2
Heating		
Capacity	(Btu/h)	18000(5000~18500)
Power Input	(W)	1600(300~1800)
Current	(A)	6.6(1.2~7.5)
HSPF2-4	(Btu/W)	8.5
HSPF2-5	(Btu/W)	6.9
COP	W/W	3.30
Heat at 17F(H32)	(Btu/h)	12800
Heat at 5F(H42)	(Btu/h)	11200
COP at 5F(H42)	W/W	2.00

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	TXV
	Outdoor unit	EEV for heating
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	56.44
	(ft)	25.0
Refrigerant precharge	(m)	7.5
Additional charge for each ft	(oz/ft)	0.69
Additional charge for each m	(g/m)	65.0
Liquid side/ Gas side(indoor)	(inch)	3/8" / 3/4"
	(mm)	9.52/19
Liquid side/ Gas side(outdoor)	(inch)	3/8" / 5/8"
	(mm)	9.52/16
Max. pipe length	(ft)	164.0
	(m)	50.0
Max. difference in level	(ft)	82.0
	(m)	25.0
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)	-13~75
	(Deg. °C)	-25~24

INDOOR UNIT DATA

IRV	inch^3	58.30
Air flow	SCFM	700
Pressure drop	Pa	63.00
	In. wg.	0.25
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	//705.88///
Indoor noise level (Hi/Med/Lo)	[dB(A)]	0/0/0
Dehumidification	(L/H)	2.15
Indoor unit		
Dimension (WxDxH)	(inch)	21.02x14.49x17.99
	(mm)	534x368x457
Packing(WxDxH)	(inch)	17.60x26.06x20.55
	(mm)	447x662x522
Net/Gross weight	(lbs.)	41.67/46.52
	(kg)	18.9/21.1

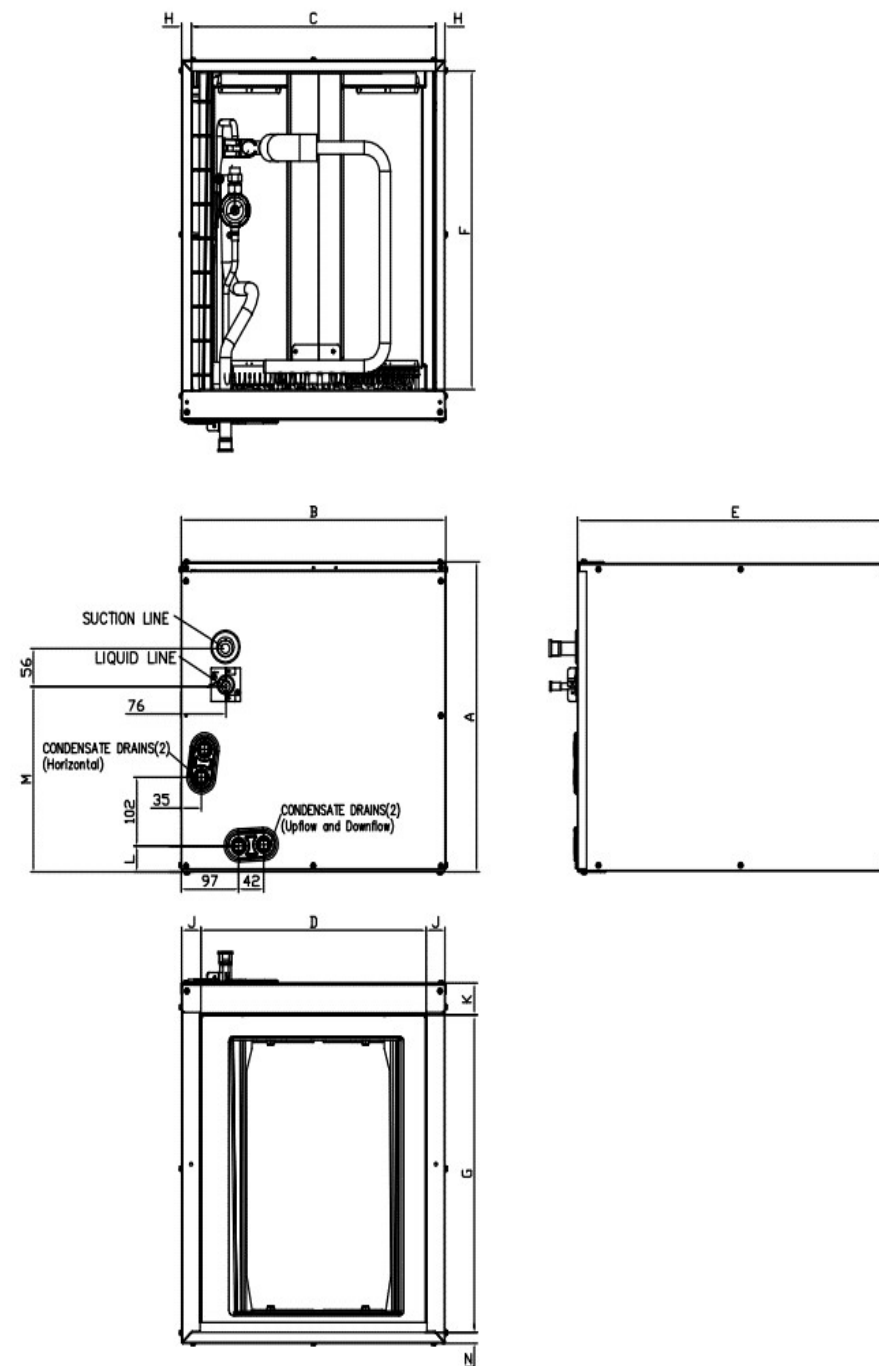
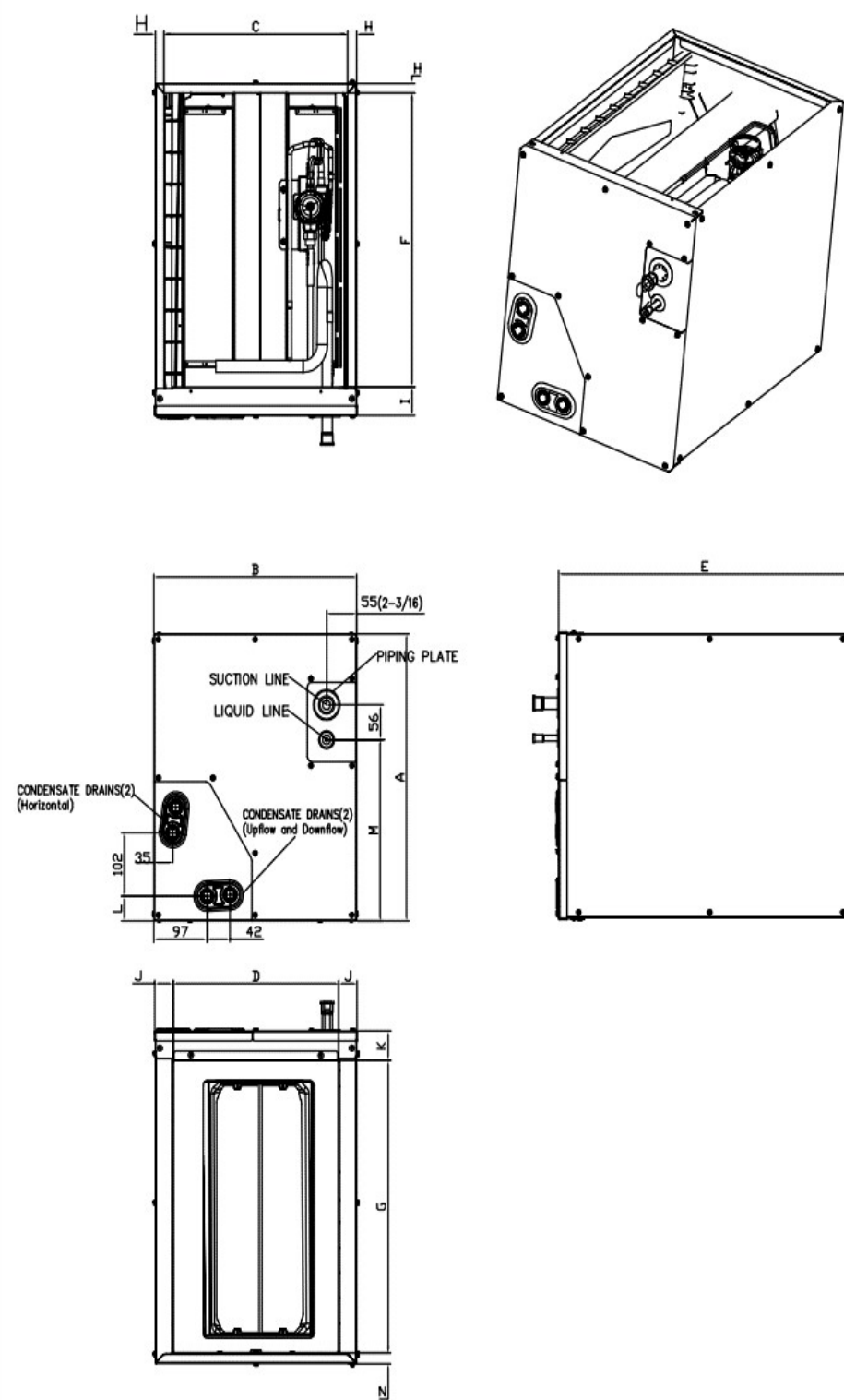
OUTDOOR UNIT DATA

Compressor		
Type		ROTARY
Model		KSN140D21UFZ
Brand		GMCC
Capacity	(Btu/h)	14962
Input	(W)	1140
Rated current (RLA)	(A)	9
Refrigerant oil/oil charge	(ml)	VG74 440
Outdoor fan motor		
Model		ZKFN-34-10-1-3
Qty		1
Input	(W)	/
Output	(W)	34
RLA	(A)	1.0
Speed	(r/min)	840/700/650
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	1450
Outdoor noise level	[dB(A)]	57.0
Outdoor unit		
Dimension (WxDxH)	(inch)	31.69x12.99x21.81
	(mm)	805x330x554
Packing (WxDxH)	(inch)	36.02x14.57x24.21
	(mm)	915x370x615
Net/ Gross weight	(lbs.)	75.84/81.35
	(kg)	34.4/36.9
Accessories		
Adaptor for welding(3/4")	Qty	1
Adaptor for welding(3/8")	Qty	1
Adaptor (5/8" to 3/4")	Qty	1

Indoor unit dimension

NEW PANEL STYLE

OLD PANEL STYLE



Dimensions	KV-14F-A		KV-14F-B		KV-17F-A		KV-17F-B		KV-21F-A		KV-21F-B		KV-24F-A	
	NEW PANEL STYLE		NEW PANEL STYLE		NEW PANEL STYLE		OLD PANEL STYLE		OLD PANEL STYLE		NEW PANEL STYLE		OLD PANEL STYLE	
Model(Btu/h)	18K/20K/22K/24K		30K(未投产)		30K/36K		18K/24K		30K/36K/48K		48K		60K	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
A Model Height	18	457	23-1/2	598	23-1/2	599	18	461	24	609	28	711	28	711
B Model Width	14-1/2	368	14-1/2	368	17-1/2	445	17-1/2	445	21	533	21	533	24-1/2	622
C Supply Air Opening Width	13-1/4	336	13-1/4	336	16-3/16	411	16-3/16	411	19-3/4	502	19-3/4	502	23-1/4	591
D Return Air Opening Width	12	303	12	303	15-1/8	384	15-1/8	384	19-1/2	496	19-1/2	496	23	585
E Model Depth	21	534	21	534	21	533	21	533	21	533	21	533	21	533
F Supply Air Opening Depth	18-5/8	473	18-5/8	473	18-5/8	473	18-5/8	473	18-5/8	473	18-5/8	473	18-5/8	473
G Return Air Opening Depth	18-1/2	471	18-1/2	471	18	458	18	458	18-1/2	470	18-1/2	470	18-1/2	470
H Supply Air Opening Side Clearance	5/8	16	5/8	16	5/8	16	5/8	16	5/8	16	5/8	16	5/8	16
I Supply Air Opening Front Clearance	1-3/4	45	1-3/4	45	1-3/4	45	1-3/4	45	1-3/4	45	1-3/4	45	1-3/4	45
J Return Air Opening Side Clearance	5/8	16	5/8	16	1-3/16	30	1-3/16	30	3/4	19	3/4	19	3/4	19
K Return Air Opening Front Clearance	1-13/16	46	1-13/16	46	1-13/16	46	1-13/16	46	1-13/16	46	1-13/16	46	1-13/16	46
L Condensate Drains Height	1-9/16	40	1-9/16	40	1-7/16	37	1-7/16	37	2-1/8	54	2-1/8	54	2-1/8	54
M Liquid Line Height	11-1/2	292	11-1/2	292	16-1/2	418	10-7/8	276	16-5/16	414	21	533	20-1/4	514
N Return Air Opening Side Clearance	3/4	19	3/4	19	3/4	19	1-3/16	30	3/4	19	3/4	19	3/4	19

Outdoor unit dimension

