

## SUBMITTAL DATA SHEET

Heat Pump System	
Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____

<b>Set Code</b>	22023110001410
Indoor unit code	22023111000612
Outdoor unit code	22023116000082
<b>Set Model</b>	
Indoor unit model	ACIQ-36W-WM
Outdoor unit model	ACIQ-36-EHPB
<b>Certified</b>	AHRI
	UL



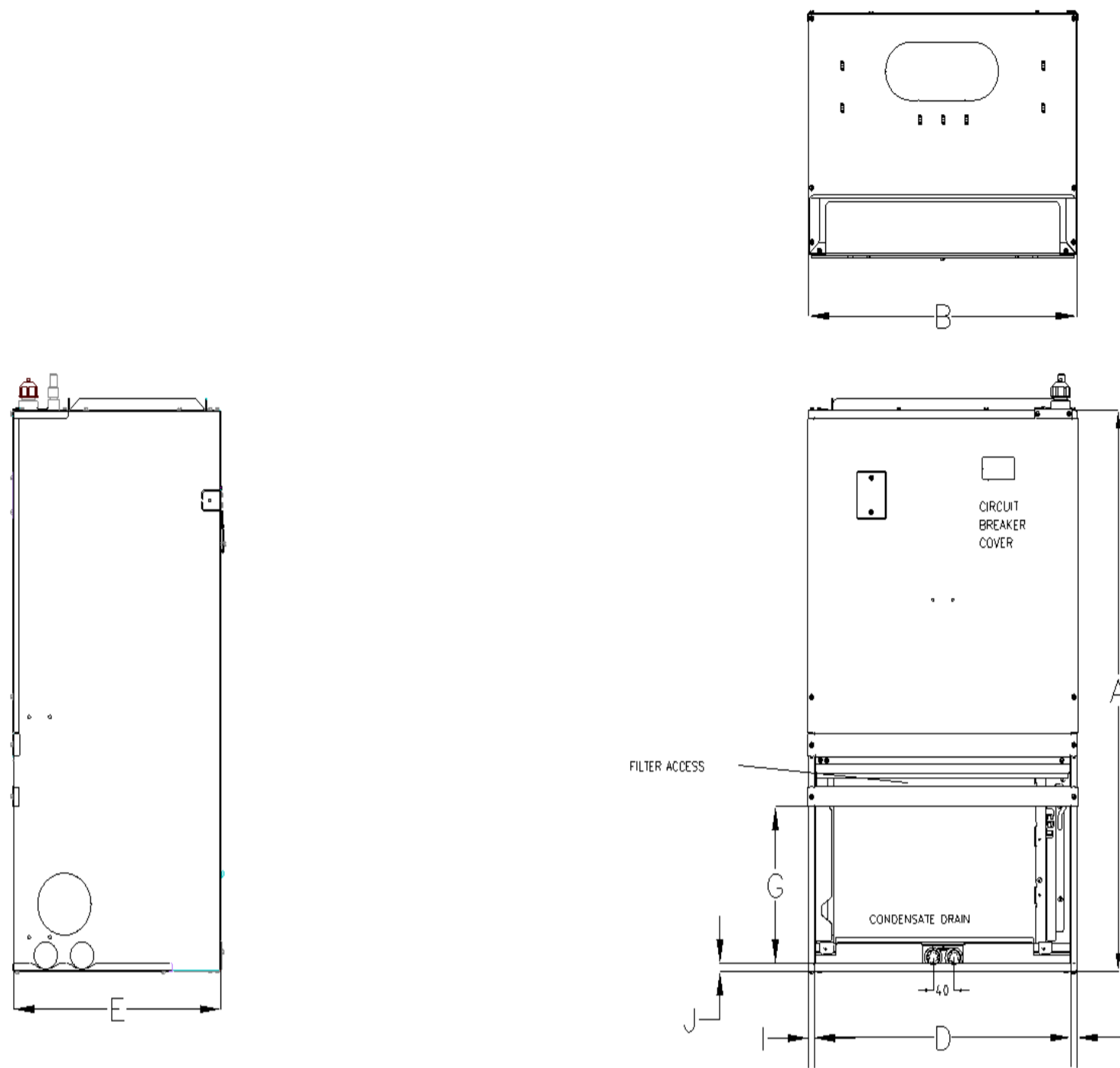
SYSTEM PERFORMANCE DATA		
<b>Power supply</b>		
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz
Voltage Range	(V)	187-253
<b>Electrical</b>		
Minimum circuit ampacity(Outdoor)	(A)	24.0
Max.fuse(Outdoor)	(A)	40.0
Connection wiring	14AWG*2 Stranded, shielded	
<b>Cooling</b>		
Capacity	(Btu/h)	36000(13000~42000)
Power Input	(W)	3530(455~5000)
Current	(A)	15.65(2~21.7)
SEER2	(Btu/W)	17.6
EER2	(Btu/W)	10.2
<b>Heating</b>		
Capacity	(Btu/h)	3600(9700-36400)
Power Input	(W)	3110(470-3690)
Current	(A)	15.8(3.5-15.5)
HSPF2-4	(Btu/W)	8.2
HSPF2-5	(Btu/W)	6.1
COP	W/W	3.39
Heat at 17F(H32)	(Btu/h)	20500
Heat at 5F(H42)	(Btu/h)	21000
COP at 5F(H42)	W/W	1.90

REFRIGERANT PIPE DATA		
Throttle type	Indoor unit Outdoor unit	EEV for cooling EEV for heating
Design pressure	(PSIG)	550/340
Refrigerant Type	R410A	
Refrigerant charge	oz	165.79
Refrigerant precharge	(ft) (m)	/ /
Additional charge for each ft	(oz/ft)	0.69
Additional charge for each m	(g/m)	65
Liquid side/ Gas side(indoor)	(inch) (mm)	3/8" / 3/4" 9.52/19
Liquid side/ Gas side(outdoor)	(inch) (mm)	3/8" / 3/4" 9.52/19
Max. pipe length	(ft) (m)	213.25 65
Max. difference in level	(ft) (m)	98.42 30
Connection method	Flared	
Indoor(cooling)	(Deg. °F) (Deg. °C)	60~90 16~32
Indoor(heating)	(Deg. °F) (Deg. °C)	32~86 0~30
Outdoor(cooling)	(Deg. °F) (Deg. °C)	5~122 -15~50
Outdoor(heating)	(Deg. °F) (Deg. °C)	5~75 -15~24

INDOOR UNIT DATA		
<b>Indoor fan motor</b>		
Model	ZKFD-375-10-3	
Qty	1	
Input	(W)	/
Output	(W)	/
RLA	(A)	44014.8
Speed(Hi/Mi/Lo)	(r/min)	/
<b>Air flow &amp; Noise level</b>		
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)]	55/50/47
<b>Dehumidification</b>	(L/H)	4.05
<b>Indoor unit</b>		
Dimension (WxDxH)	(inch) (mm)	22.01x19.02x40.04 559x483x1017
Packing(WxDxH)	(inch) (mm)	24.61x22.83x46.97 625x580x1193
Net/Gross weight	(lbs.) (kg)	108.91/132.94 49.4/60.3
<b>Accessories</b>		
Adaptor for welding(3/4")	Qty	1
Adaptor for welding(3/8")	Qty	1

OUTDOOR UNIT DATA		
<b>Compressor</b>		
Type	ROTARY	
Model	KTF250D22UMT	
Brand	GMCC	
Capacity	(Btu/h)	27620
Input	(W)	2200
Rated current (RLA)	(A)	17.6
Refrigerant oil/oil charge	(ml)	VG74/670
<b>Outdoor fan motor</b>		
Model	ZKFN-120-8-2	
Qty	1	
Input	(W)	/
Output	(W)	/
RLA	(A)	1.5
Speed	(r/min)	1150/1050/900/850
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.)	(CFM)	2235
Outdoor noise level	[dB(A)]	60.0
<b>Outdoor unit</b>		
Dimension (WxDxH)	(inch) (mm)	37.24x16.14x31.89 946x410x810
Packing (WxDxH)	(inch) (mm)	42.91x19.69x34.84 1090x500x855
Net/ Gross weight	(lbs.) (kg)	151.68/161.16 68.8x73.1
<b>Accessories</b>		
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



Dimensions	Model(Btu/h)	18K/24K		30K/36K	
		inch	mm	inch	mm
A	Model Height	36.5	928	49	1017
B	Model Width	20.3	515	21	559
C	Supply Air Opening Width	17.4	442	18.8	478.6
D	Return Air Opening Width	19.4	493.8	21.2	537.8
E	Model Depth	15.7	399	21	483
F	Supply Air Opening Depth	10.4	265.2	9.3	235.4
G	Return Air Opening Depth	10.3	261	13.1	332.5
H	Supply Air Opening Clearance	1.1	29.1	1.6	41
I	Return Air Opening Side Clearance	0.42	10.6	0.42	10.6
J	Return Air Opening Front Clearance	0.47	12	0.63	16