



SUBMITTAL DATA SHEET

**Wall Mounted Heat Pump System** ACIQ-18W-HP230B / ACIQ-18Z-HP230B (Indoor/Outdoor)

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

<b>Set Code</b>	22022010018146
Indoor unit code	22022011018503
Outdoor unit code	22022016016720
<b>Set Model</b>	
Indoor unit model	ACIQ-18W-HP230B
Outdoor unit model	ACIQ-18Z-HP230B
<b>Certified</b>	
AHRI	
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**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)	15.0
Max.fuse(Outdoor)	(A)	20.0
Connection wiring		14AWG*4
<b>Cooling</b>		
Capacity	(Btu/h)	18000(3900~20000)
Power Input	(W)	1715(180~1840)
Current	(A)	7.5(0.78~6.43)
SEER2	(Btu/W)	19.0
EER2	(Btu/W)	10.5
<b>Heating</b>		
Capacity	(Btu/h)	18800(6300~19900)
Power Input	(W)	1883(375~2065)
Current	(A)	8.18(1.63~9.08)
HSPF2-4	(Btu/W)	8.7
HSPF2-5	(Btu/W)	6.8
COP	W/W	2.93
Heat at 17F(H32)	(Btu/h)	11500
Heat at 5F(H42)	(Btu/h)	10100
COP at 5F(H42)	W/W	2.10

**REFRIGERANT PIPE DATA**

Throttle type	Indoor unit	N/A
	Outdoor unit	Capillary
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	47.62
Refrigerant precharge	(ft)	25.0
	(m)	7.5
Additional charge for each ft	(oz/ft)	0.16
Additional charge for each m	(g/m)	15.0
Liquid side/ Gas side(indoor)	(inch)	1/4"/1/2"
	(mm)	6.35/12.7
Liquid side/ Gas side(outdoor)	(inch)	1/4"/1/2"
	(mm)	6.35/12.7
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)	62~90
	(Deg. °C)	17~32
Indoor(heating)	(Deg. °F)	32~86
	(Deg. °C)	0~30
Outdoor(cooling)	(Deg. °F)	5~122
	(Deg. °C)	-15~50
Outdoor(heating)	(Deg. °F)	5~86
	(Deg. °C)	-15~30

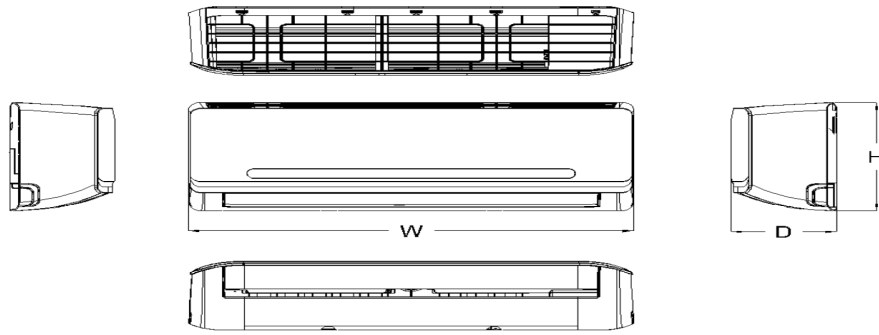
**INDOOR UNIT DATA**

<b>Indoor fan motor</b>		
Model		ZKFP-30-8-3-10
Qty		1
Input	(W)	36.00
Output	(W)	30.0
RLA	(A)	0.4
Speed(Hi/Mi/Lo)	(r/min)	1100/800/750
<b>Air flow &amp; Noise level</b>		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	450.00/388.24/258.82/217.65
Indoor noise level (Hi/Med/Lo)	[dB(A)]	43.5/34.5/30.0
<b>Dehumidification</b>	(L/H)	2.52
<b>Indoor unit</b>		
Dimension (WxDxH)	(inch)	37.99x8.46x12.56
	(mm)	965x215x319
Packing(WxDxH)	(inch)	41.14x12.01x16.14
	(mm)	1045x305x410
Net/Gross weight	(lbs.)	23.81/31.53
	(kg)	10.8/14.3

**OUTDOOR UNIT DATA**

<b>Compressor</b>		
Type		ROTARY
Model		KSN140D21UFZ
Brand		GMCC
Capacity	(Btu/h)	14962
Input	(W)	1140
Rated current (RLA)	(A)	10
Refrigerant oil/oil charge	(ml)	VG74 440
<b>Outdoor fan motor</b>		
Model		ZKFN-34-10-1-3
Qty		1
Input	(W)	/
Output	(W)	34
RLA	(A)	0.7
Speed	(r/min)	950/800/650/450
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.)	(CFM)	1235
Outdoor noise level	[dB(A)]	57.0
<b>Outdoor unit</b>		
Dimension (WxDxH)	(inch)	31.69x12.99x21.81
	(mm)	805x330x554
Packing (WxDxH)	(inch)	36.02x14.57x24.21
	(mm)	915x370x615
Net/ Gross weight	(lbs.)	73.85/79.81
	(kg)	33.5/36.2

**Indoor unit dimension**



Capacity	Body Code	W(mm)	D(mm)	H(mm)
7K~9K	A	722	187	290
9K~12K	B	802	189	297
12K~18K	D	965	215	319
18K~24K	E	1080	226	335
27K~36K	F	1259	282	362
30K~36K	G	1350	272	365

Outdoor unit dimension

