

**SUBMITTAL DATA SHEET**



**Wall Mounted Heat Pump System** ACIQ-12W-HP230B / ACIQ-12Z-HP230B (Indoor/Outdoor)

Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____
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<b>Set Code</b>	22022010018152
Indoor unit code	22022011018385
Outdoor unit code	22022016016644
<b>Set Model</b>	
Indoor unit model	ACIQ-12W-HP230B
Outdoor unit model	ACIQ-12Z-HP230B
<b>Certified</b>	AHRI UL



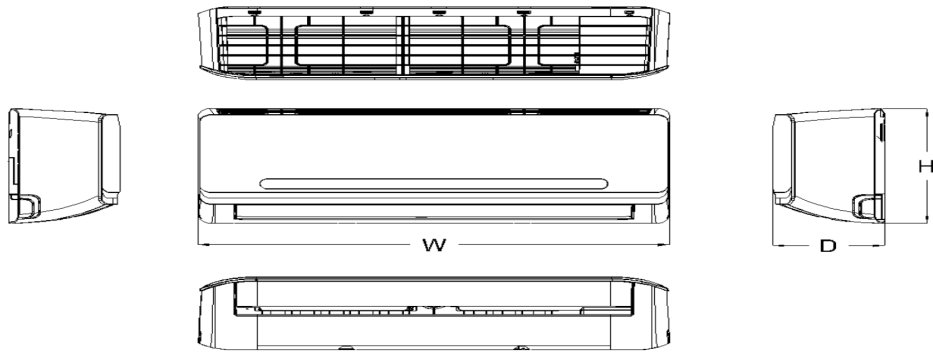
SYSTEM PERFORMANCE DATA		
<b>Power supply</b>		
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz
Voltage Range	(V)	187-253
<b>Electrical</b>		
Minimum circuit ampacity(Outdoor)	(A)	15.0
Max.fuse(Outdoor)	(A)	15.0
Connection wiring		14AWG*4
<b>Cooling</b>		
Capacity	(Btu/h)	12000(3800-12850)
Power Input	(W)	1095(239-1288)
Current	(A)	4.86(1.05-5.7)
SEER2	(Btu/W)	21.4
EER2	(Btu/W)	10.8
<b>Heating</b>		
Capacity	(Btu/h)	12000(2730-12500)
Power Input	(W)	1090(376-1157)
Current	(A)	5.05(1.67-5.13)
HSPF2-4	(Btu/W)	9.1
HSPF2-5	(Btu/W)	6.9
COP	W/W	3.23
Heat at 17F(H32)	(Btu/h)	7000
Heat at 5F(H42)	(Btu/h)	5400
COP at 5F(H42)	W/W	1.68

REFRIGERANT PIPE DATA		
Throttle type	Indoor unit	N/A
	Outdoor unit	Capillary
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	28.57
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)	82.0
	(m)	25.0
Max. difference in level	(ft)	32.8
	(m)	10.0
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-20-8-6-7
Qty		1
Input	(W)	50.00
Output	(W)	20.0
RLA	(A)	0.3
Speed(Hi/Mi/Lo)	(r/min)	1080/850/650
<b>Air flow &amp; Noise level</b>		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	358.82/317.06/207.06/143.53
Indoor noise level (Hi/Med/Lo)	[dB(A)]	37/30/22.5
Dehumidification	(L/H)	3.36
<b>Indoor unit</b>		
Dimension (WxDxH)	(inch)	31.57x7.44x11.69
	(mm)	802x189x297
Packing(WxDxH)	(inch)	34.45x11.22x14.96
	(mm)	875x285x380
Net/Gross weight	(lbs.)	18.96/24.91
	(kg)	8.6/11.3

OUTDOOR UNIT DATA		
<b>Compressor</b>		
Type		ROTARY
Model		KSN98D64UFZ3
Brand		GMCC
Capacity	(Btu/h)	10577
Input	(W)	765
Rated current (RLA)	(A)	7.5
Refrigerant oil/oil charge	(ml)	ESTER OIL VG74 300±10
<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)	780/700/600
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.)	(CFM)	1235
Outdoor noise level	[dB(A)]	55.5
<b>Outdoor unit</b>		
Dimension (WxDxH)	(inch)	30.12x11.93x21.85
	(mm)	765x303x555
Packing (WxDxH)	(inch)	34.92x13.27x24.02
	(mm)	887x337x610
Net/ Gross weight	(lbs.)	59.30/64.82
	(kg)	26.9/29.4

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

