



SUBMITTAL DATA SHEET

Wall Mounted Heat Pump System ACIQ-30W-HP230B / ACIQ-30Z-HP230B (Indoor/Outdoor)

Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____
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Set Code	22022010018120
Indoor unit code	22022011004098
Outdoor unit code	22022016016360
Set Model	
Indoor unit model	ACIQ-30W-HP230B
Outdoor unit model	ACIQ-30Z-HP230B
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)	23.0
Max.fuse(Outdoor)	(A)	30.0
Connection wiring		14AWG*4
Cooling		
Capacity	(Btu/h)	30000(7200~31600)
Power Input	(W)	2855(290~3180)
Current	(A)	12.4(2.3~14.1)
SEER2	(Btu/W)	18.6
EER2	(Btu/W)	10.5
Heating		
Capacity	(Btu/h)	30000(10600~32500)
Power Input	(W)	3250(690~3560)
Current	(A)	14.2(4.8~15.8)
HSPF2-4	(Btu/W)	8.7
HSPF2-5	(Btu/W)	6.8
COP	W/W	2.71
Heat at 17F(H32)	(Btu/h)	18500
Heat at 5F(H42)	(Btu/h)	18000
COP at 5F(H42)	W/W	1.84

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	N/A
	Outdoor unit	EXV-Capillary
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	97.00
Refrigerant precharge	(ft)	25.0
	(m)	7.5
Additional charge for each ft	(oz/ft)	0.32
Additional charge for each m	(g/m)	30.0
Liquid side/ Gas side(indoor)	(inch)	3/8"/5/8"
	(mm)	9.52/15.9
Liquid side/ Gas side(outdoor)	(inch)	3/8"/5/8"
	(mm)	9.52/15.9
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)	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

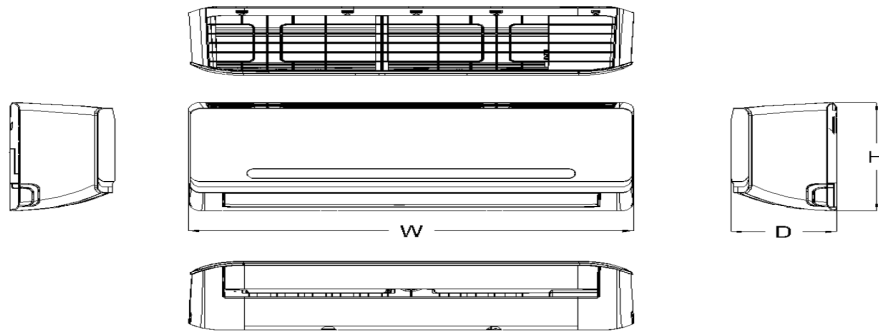
INDOOR UNIT DATA

Indoor fan motor		
Model		ZKFP-58-8-1-5
Qty		1
Input	(W)	58.00
Output	(W)	58.0
RLA	(A)	0.0
Speed(Hi/Mi/Lo)	(r/min)	1200/1050/950
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	823.53/794.12/617.65/470.59
Indoor noise level (Hi/Med/Lo)	[dB(A)]	51.5/47.5/44
Dehumidification	(L/H)	3.78
Indoor unit		
Dimension (WxDxH)	(inch)	49.57x11.10x14.25
	(mm)	1259x282x362
Packing(WxDxH)	(inch)	52.76x17.72x15.16
	(mm)	1340x450x385
Net/Gross weight	(lbs.)	37.48/50.49
	(kg)	17/22.9

OUTDOOR UNIT DATA

Compressor		
Type		ROTARY
Model		KTF250D22UMT
Brand		GMCC
Capacity	(Btu/h)	27620
Input	(W)	2200
Rated current (RLA)	(A)	15
Refrigerant oil/oil charge	(ml)	VG74/670
Outdoor fan motor		
Model		ZKFN-120-8-2
Qty		1
Input	(W)	150.0
Output	(W)	120
RLA	(A)	0.6
Speed	(r/min)	900/750
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	2235
Outdoor noise level	[dB(A)]	60.0
Outdoor unit		
Dimension (WxDxH)	(inch)	37.24x16.14x31.89
	(mm)	946x410x810
Packing (WxDxH)	(inch)	42.91x19.69x34.84
	(mm)	1090x500x885
Net/ Gross weight	(lbs.)	141.76/151.90
	(kg)	64.3/68.9

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

