

SUBMITTAL DATA SHEET



Wall Mounted Heat Pump System		ACIQ-09ZPL-HP230B
Location: _____	Approval: _____	
Engineer: _____	Date: _____	
Submitted to: _____	Construction: _____	
Submitted by: _____	Unit #: _____	
Reference: _____	Drawing #: _____	

Set Code	22022010018240
Indoor unit code	22022011016181
Outdoor unit code	22022016016162
Set Model	
Indoor unit model	ACIQ-09ZPL-HP230B
Outdoor unit model	
Certified	
AHRI	
UL	



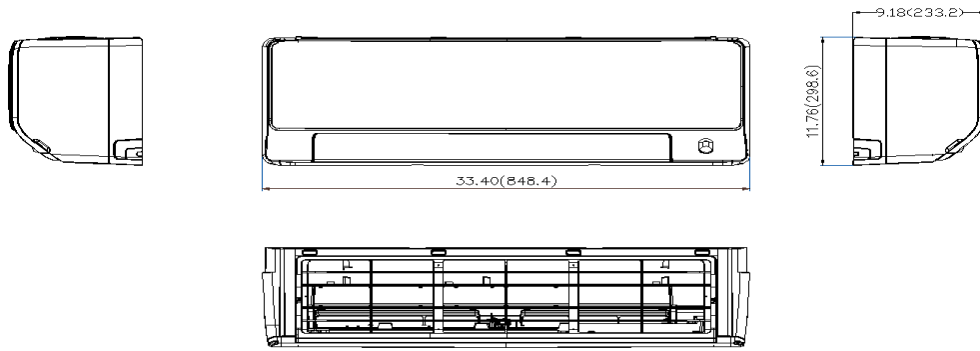
SYSTEM PERFORMANCE DATA		
Power supply		
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz
Voltage Range	(V)	187-253
Electrical		
Minimum circuit ampacity(Outdoor)	(A)	15.0
Max. fuse(Outdoor)	(A)	15.0
Connection wiring		14AWG*4
Cooling		
Capacity	(Btu/h)	9000(3300~14300)
Power Input	(W)	556(180~1180)
Current	(A)	2.5(0.78~5.13)
SEER2	(Btu/W)	28.1
EER2	(Btu/W)	16.2
Heating		
Capacity	(Btu/h)	12000(5000~15200)
Power Input	(W)	907(370~1500)
Current	(A)	4.1(1.6~6.52)
HSPF2.4	(Btu/W)	11.5
HSPF2.5	(Btu/W)	9.0
COP	W/W	3.81
Heat at 17F(H32)	(Btu/h)	9500
Heat at 5F(H42)	(Btu/h)	10600
COP at 5F(H42)	W/W	2.00

INDOOR UNIT DATA		
Indoor fan motor		
Model		ZKFP-20-8-6-21
Qty		1
Input	(W)	50.00
Output	(W)	20.0
RLA	(A)	0.3
Speed(Hi/Mi/Lo)	(r/min)	1100/850/700
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	382.35/335.29/229.41/176.47
Indoor noise level (Hi/Med/Lo)	[dB(A)]	38/33.5/23.5
Dehumidification	(L/H)	0.38
Indoor unit		
Dimension (WxDxH)	(inch)	33.40x9.18x11.76
	(mm)	848.4x233.2x298.6
Packing(WxDxH)	(inch)	36.22x12.20x14.57
	(mm)	920x310x370
Net/Gross weight	(lbs.)	22.71/28.88
	(kg)	10.3/13.1

REFRIGERANT PIPE DATA		
Throttle type	Indoor unit	N/A
	Outdoor unit	EXV
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	41.62
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"/3/8"
	(mm)	6.35/9.52
Liquid side/ Gas side(outdoor)	(inch)	1/4"/3/8"
	(mm)	6.35/9.52
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)	60~90
	(Deg. °C)	16~32
Indoor(heating)	(Deg. °F)	32~86
	(Deg. °C)	0~30
Outdoor(cooling)	(Deg. °F)	-22~122
	(Deg. °C)	-30~50
Outdoor(heating)	(Deg. °F)	-22~75
	(Deg. °C)	-30~24

OUTDOOR UNIT DATA		
Compressor		
Type		ROTARY
Model		KTN110D42UFZ
Brand		GMCC
Capacity	(Btu/h)	11823
Input	(W)	885
Rated current (RLA)	(A)	8.8
Refrigerant oil/oil charge	(ml)	VG74/350
Outdoor fan motor		
Model		ZKFN-34-10-1
Qty		1
Input	(W)	/
Output	(W)	34
RLA	(A)	0.4
Speed	(r/min)	850/680/450
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	1324
Outdoor noise level	[dB(A)]	54.5
Outdoor unit		
Dimension (WxDxH)	(inch)	31.69x12.99x21.81
	(mm)	805x330x554
Packing (WxDxH)	(inch)	36.02x14.57x24.21
	(mm)	915x370x615
Net/ Gross weight	(lbs.)	74.07/80.25
	(kg)	33.6/36.4

Indoor unit dimension



Outdoor unit dimension

