



SUBMITTAL DATA SHEET

Heat Pump System		ACIQ-12ZPL-HP230B
Location: _____	Approval: _____	
Engineer: _____	Date: _____	
Submitted to: _____	Construction: _____	
Submitted by: _____	Unit #: _____	
Reference: _____	Drawing #: _____	

Outdoor Unit Code	22022016016220
Outdoor Unit Model	ACIQ-12ZPL-HP230B
Indoor Unit Model	Varies - Please Select Model From Indoor Unit Section
Certified	



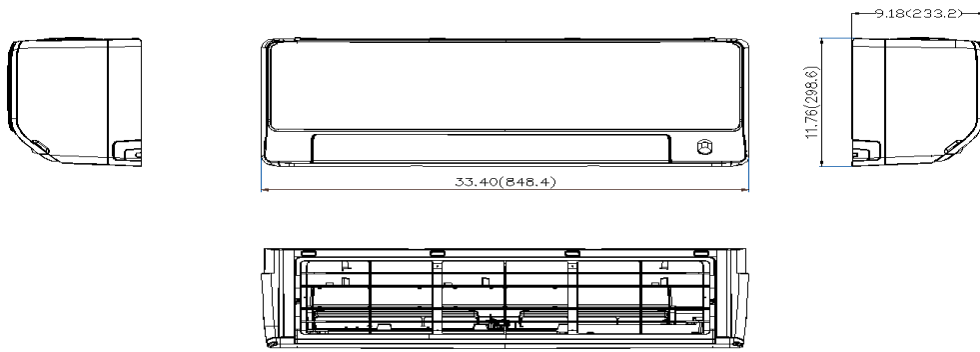
SYSTEM PERFORMANCE DATA			
Power supply			
Normal Operating Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz	
Acceptable Voltage Range	(V)	187-253	
Electrical			
Minimum Circuit Ampacity (MCA)	(A)	15.0	
Maximum Over Current Protection (MOCP)	(A)	15.0	
Interconnecting Wire Size		14AWG*4	
Cooling			
Capacity	(Btu/h)	12000(3300~14300)	
Power Input	(W)	857(180~1180)	
Current	(A)	3.72(0.89~5.5)	
SEER2	(Btu/W)	25.5	
EER2	(Btu/W)	14.0	
Heating			
Capacity	(Btu/h)	12000(5000~15300)	
Power Input	(W)	907(370~1500)	
Current	(A)	4.1(1.6~6.52)	
HSPF2-4	(Btu/W)	10.4	
HSPF2-5	(Btu/W)	8.0	
COP	W/W	3.88	
Heat at 17F(H32)	(Btu/h)	10000	
Heat at 5F(H42)	(Btu/h)	12000	
COP at 5F(H42)	W/W	1.80	

COMPATIBLE INDOOR UNITS (MUST SELECT ONE OPTION ONLY)			
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)	1050/930/870	
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)	1.29	
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.)	22.93/28.88	
	(kg)	10.4/13.1	

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"/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)	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)]	56.0	
Outdoor unit			
Dimension (WxDxH)	(inch)	31.69x12.99x21.81	
	(mm)	805x330x554	
Packing (WxDxH)	(inch)	36.02x14.57x24.21	
	(mm)	915x370x615	
Net/ Gross weight	(lbs.)	73.63/79.37	
	(kg)	33.4/36	

Indoor unit dimension



Outdoor unit dimension

