



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)	
	ACIQ-12CC-HH-MB / ACIQ-CC-GRILLE ACIQ-12CD-HH-MB ACIQ-12FM-HH-MB ACIQ-12W-HH-MC SCC-1218-HH-M
	
	

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 (W×D×H)	(inch)	31.69x12.99x21.81
	(mm)	805x330x554
Packing (W×D×H)	(inch)	36.02x14.57x24.21
	(mm)	915x370x615
Net/ Gross weight	(lbs.)	73.63/79.37
	(kg)	33.4/36

Outdoor Unit Dimensions

