




SUBMITTAL DATA SHEET

Heat Pump System		ACIQ-24ZPL-HP230B
Location: _____	Approval: _____	
Engineer: _____	Date: _____	
Submitted to: _____	Construction: _____	
Submitted by: _____	Unit #: _____	
Reference: _____	Drawing #: _____	

Outdoor Unit Code	22022016015920
Outdoor Unit Model	ACIQ-24ZPL-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)	25.0
Maximum Over Current Protection (MOCP)	(A)	35.0
Interconnecting Wire Size		14AWG*4
Cooling		
Capacity	(Btu/h)	24000(6850-27000)
Power Input	(W)	1845(310-2400)
Current	(A)	8.1(2.12-11)
SEER2	(Btu/W)	21.5
EER2	(Btu/W)	13.0
Heating		
Capacity	(Btu/h)	29000(11600-33000)
Power Input	(W)	2500(670-3000)
Current	(A)	10.9(4.32-13)
HSPF2-4	(Btu/W)	11.4
HSPF2-5	(Btu/W)	9.2
COP	W/W	3.40
Heat at 17F(H32)	(Btu/h)	21200
Heat at 5F(H42)	(Btu/h)	25000
COP at 5F(H42)	W/W	2.21

COMPATIBLE INDOOR UNITS (MUST SELECT ONE OPTION ONLY)	
	
	

REFRIGERANT PIPE DATA		
Throttle type	Indoor unit	N/A
	Outdoor unit	EXV+Throttle valve
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	91.71
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)	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		Twin-ROTARY
Model		KTM240D43UKT
Brand		GMCC
Capacity	(Btu/h)	25931
Input	(W)	2045
Rated current (RLA)	(A)	17.1
Refrigerant oil/oil charge	(ml)	ESTER OIL VG74 620
Outdoor fan motor		
Model		ZKFN-120-8-2
Qty		1
Input	(W)	150.0
Output	(W)	120
RLA	(A)	0.5
Speed	(r/min)	950/800/500
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	2235
Outdoor noise level	[dB(A)]	62.0
Outdoor unit		
Dimension (W×D×H)	(inch)	37.24x16.14x31.89
	(mm)	946x410x810
Packing (W×D×H)	(inch)	42.91x19.69x34.84
	(mm)	1090x500x885
Net/ Gross weight	(lbs.)	134.48/144.40
	(kg)	61/65.5

Outdoor Unit Dimensions

