


SUBMITTAL DATA SHEET

One Way Cassette Heat Pump System		ACIQ-36CC-HH-MB / ACIQ-36ZPL-HP230B
Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____	

Set Code	2202251000463
Indoor unit code	22022511003496
Outdoor unit code	22022516001923
Set Model	
Indoor unit model	ACIQ-36CC-HH-MB
Outdoor unit model	ACIQ-36ZPL-HP230B
Certified	AHRI   CSA 



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)	41.0	
Max.fuse(Outdoor)	(A)	50.0	
Connection wiring		14AWG*2 Stranded, shielded	
Cooling			
Capacity	(Btu/h)	36000(12400-36000)	
Power Input	(W)	4000(477-4000)	
Current	(A)	17.6(3.33-17.61)	
SEER2	(Btu/W)	19.4	
EER2	(Btu/W)	9.5	
Heating			
Capacity	(Btu/h)	40000(11200-50000)	
Power Input	(W)	3850(666-3700)	
Current	(A)	17.1(3.72-16.9)	
HSPF2-4	(Btu/W)	10.5	
HSPF2-5	(Btu/W)	8.5	
COP	W/W	3.05	
Heat at 17F(H32)	(Btu/h)	33000	
Heat at 5F(H42)	(Btu/h)	40000	
COP at 5F(H42)	W/W	1.85	

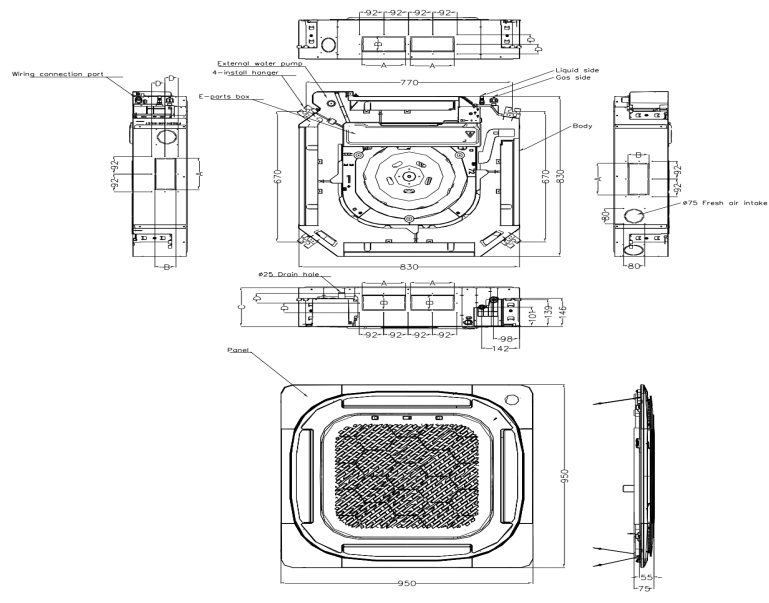
REFRIGERANT PIPE DATA			
Throttle type	Indoor unit	N/A	
	Outdoor unit	EXV+Throttle valve	
Design pressure	(PSIG)	550/340	
Refrigerant Type		R410A	
Refrigerant charge	oz	148.40	
Refrigerant precharge	(ft)	25.0	
	(m)	7.5	
Additional charge for each ft	(oz/ft)	0.32	
Additional charge for each m	(g/m)	30.0	
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)	213.3	
	(m)	65.0	
Max. difference in level	(ft)	98.4	
	(m)	30.0	
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)	5~122	

INDOOR UNIT DATA		
Indoor fan motor		
Model		ZKFN-125-8-1
Qty		1
Input	(W)	157.00
Output	(W)	125.0
RLA	(A)	1.00
Speed(Hi/Mi/Lo)	(r/min)	760/696/632/568/440
Air flow & Noise level		
Indoor air flow (Turbo/Hi/Med/Lo)	(CFM)	1041.18/947.06/852.94/752.94
Indoor noise level (Hi/Med/Lo)	[dB(A)]	52.5/50/46.5
Dehumidification	(L/H)	4.54
Indoor unit		
Dimension (WxDxH)	(inch)	32.68x32.68x9.65
	(mm)	830x830x245
Packing(WxDxH)	(inch)	35.83x35.83x11.42
	(mm)	910x910x290
Net/Gross weight	(lbs.)	59.97/69.00
	(kg)	27.2/31.3

OUTDOOR UNIT DATA		
Compressor		
Type		ROTARY
Model		EAPQ420D1UMUA
Brand		GMCC
Capacity	(Btu/h)	44015
Input	(W)	3565
Rated current (RLA)	(A)	32.0
Refrigerant oil/oil charge	(ml)	1460±15mlESTER OIL VG74
Outdoor fan motor		
Model		ZKFN-85-8-22-5
Qty		2
Input	(W)	126.00
Output	(W)	85.00
RLA	(A)	1.20
Speed	(r/min)	800/750/650
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	4500.0
Outdoor noise level	[dB(A)]	63.5
Outdoor unit		
Dimension (WxDxH)	(inch)	37.48x16.34x52.48
	(mm)	952x415x1333
Packing (WxDxH)	(inch)	43.11x19.49x58.27
	(mm)	1095x495x1480
Net/ Gross weight	(lbs.)	220.24/248.02
	(kg)	99.91/112.5

Outdoor(heating)	(Deg. °C)	-15~50
	(Deg. °F)	-22~75
	(Deg. °C)	-30~24

Indoor unit dimension



Capacity (Btu/h)	Unit	A	B	C	D
24K	mm	165	80	205	50
	inch	6.5	3.15	8.07	1.97
36K	mm	165	100	245	60
	inch	6.5	3.64	9.65	2.36
48K	mm	165	100	287	60
	inch	6.5	3.64	11.30	2.36

Outdoor unit dimension

