



**SUBMITTAL DATA SHEET**

**One Way Cassette Heat Pump System ACIQ-36CC-HH-MB**

Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____
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<b>Set Code</b>	2202251000463
Indoor unit code	22022511003496
Outdoor unit code	22022516001923
<b>Set Model</b>	
Indoor unit model	ACIQ-36CC-HH-MB
Outdoor unit model	
<b>Certified</b>	
AHRI	
CSA	



**SYSTEM PERFORMANCE DATA**

<b>Power supply</b>		
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz
Voltage Range	(V)	187-253
<b>Electrical</b>		
Minimum circuit ampacity(Outdoor)	(A)	41.0
Max.fuse(Outdoor)	(A)	50.0
Connection wiring		14AWG*2 Stranded, shielded
<b>Cooling</b>		
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
<b>Heating</b>		
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**

<b>Indoor fan motor</b>		
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
<b>Air flow &amp; Noise level</b>		
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
<b>Dehumidification</b>	(L/H)	4.54
<b>Indoor unit</b>		
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**

<b>Compressor</b>		
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
<b>Outdoor fan motor</b>		
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
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.)	(CFM)	4500.0
Outdoor noise level	[dB(A)]	63.5
<b>Outdoor unit</b>		
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

