



SUBMITTAL DATA SHEET

One Way Cassette Heat Pump System ACIQ-48CC-HH-MB

Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____
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Set Code	2202251000425
Indoor unit code	22022511003497
Outdoor unit code	22022516001922
Set Model	
Indoor unit model	ACIQ-48CC-HH-MB
Outdoor unit model	
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)	42.0	
Max.fuse(Outdoor)	(A)	50.0	
Connection wiring		14AWG*2 Stranded, shielded	
Cooling			
Capacity	(Btu/h)	48000(2700-48900)	
Power Input	(W)	6070(570-6100)	
Current	(A)	25.24(4.30-25.80)	
SEER2	(Btu/W)	16.8	
EER2	(Btu/W)	8.3	
Heating			
Capacity	(Btu/h)	53000(11800-58000)	
Power Input	(W)	4900(870-5690)	
Current	(A)	21.92(4.33-24.90)	
HSPF2-4	(Btu/W)	10.7	
HSPF2-5	(Btu/W)	8.5	
COP	W/W	3.17	
Heat at 17F(H32)	(Btu/h)	35000	
Heat at 5F(H42)	(Btu/h)	48000	
COP at 5F(H42)	W/W	1.98	

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		148.20
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)		1.50
Speed(Hi/Mi/Lo)	(r/min)		800/730/660/590/456
Air flow & Noise level			
Indoor air flow (Turbo/Hi/Med/Lo)	(CFM)	1288.24/1170.59/1058.82/935.29	
Indoor noise level (Hi/Med/Lo)	[dB(A)]		55.5/52.5/50
Dehumidification	(L/H)		5.4
Indoor unit			
Dimension (WxDxH)	(inch)	32.68x32.68x11.30	
	(mm)	830x830x287	
Packing(WxDxH)	(inch)	35.83x35.83x12.99	
	(mm)	910x910x330	
Net/Gross weight	(lbs.)	64.59/74.07	
	(kg)	29.3/33.6	

OUTDOOR UNIT DATA			
Compressor			
Type			ROTARY
Model			EAPQ420D1UMUA
Brand			GMCC
Capacity	(Btu/h)		44015
Input	(W)		3565
Rated current (RLA)	(A)		33.0
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)		900/850/800/750
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)		4500.0
Outdoor noise level	[dB(A)]		66.5
Outdoor unit			
Dimension (WxDxH)	(inch)	37.48x16.34x52.48	
	(mm)	952x415x1333	
Packing (WxDxH)	(inch)	43.11x19.49x58.27	
	(mm)	1095x495x1480	
Net/ Gross weight	(lbs.)	227.07/255.73	
	(kg)	103/116	

