



SUBMITTAL DATA SHEET

One Way Cassette Heat Pump System ACIQ-48CC-HH-MB / ACIQ-48ZPL-HP230B

Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____
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Set Code	22022510004425
Indoor unit code	22022511003497
Outdoor unit code	22022516001922
Set Model	
Indoor unit model	ACIQ-48CC-HH-MB
Outdoor unit model	ACIQ-48ZPL-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)		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

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

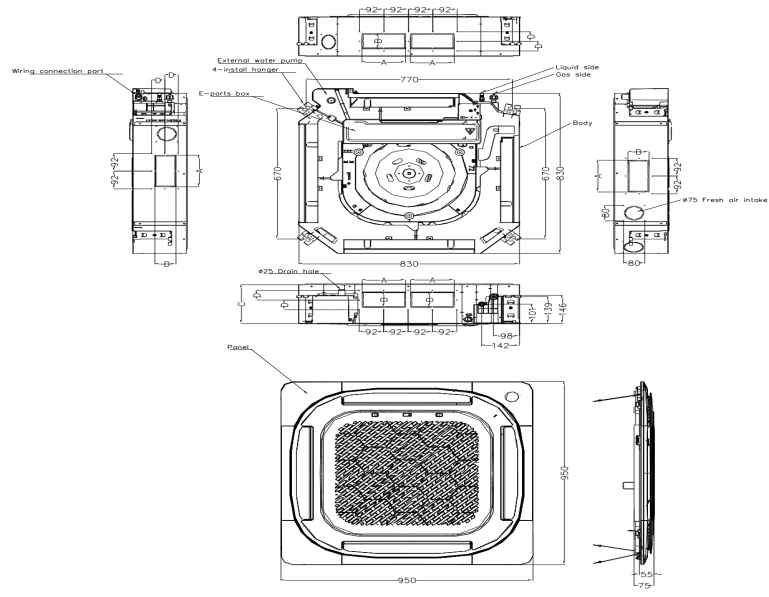
OUTDOOR UNIT DATA

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±15ml	ESTER 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

Outdoor(cooling)	(Deg. °C)	0~30
	(Deg. °F)	5~122
Outdoor(heating)	(Deg. °C)	-15~50
	(Deg. °F)	-22~75
	(Deg. °C)	-30~24

Net Gross weight	(kg)	103/116
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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

