

SUBMITTAL DATA SHEET



4-Way Ceiling Cassette Heat Pump System **ACIQ-12CC-HH-MB**

Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____
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Set Code	22022510004424
Indoor unit code	22022511000710
Outdoor unit code	22022016016220
Set Model	
Indoor unit model	ACIQ-12CC-HH-MB
Outdoor unit model	
Certified	AHRI



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)	15.0	
Max.fuse(Outdoor)	(A)	15.0	
Connection wiring		14*4 AWG	
Cooling			
Capacity	(Btu/h)	12000(3000~13700)	
Power Input	(W)	945(162~1350)	
Current	(A)	4.32(1.24~6.18)	
SEER2	(Btu/W)	22.3	
EER2	(Btu/W)	12.7	
Heating			
Capacity	(Btu/h)	12000(2000~15300)	
Power Input	(W)	1080(146~1350)	
Current	(A)	4.99(1.15~5.88)	
HSPF2-4	(Btu/W)	10.2	
HSPF2-5	(Btu/W)	8.0	
COP	W/W	3.26	
Heat at 17F(H32)	(Btu/h)	9900	
Heat at 5F(H42)	(Btu/h)	11300	
COP at 5F(H42)	W/W	1.89	

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	N/A
	Outdoor unit	EXV
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	41.62
Refrigerant precharge	(ft)	25.0
	(m)	7.5
Additional charge for each ft	(oz/ft)	0.16
Additional charge for each m	(g/m)	15.0
Liquid side/ Gas side(indoor)	(inch)	1/4" / 1/2"
	(mm)	6.35/12.7
Liquid side/ Gas side(outdoor)	(inch)	1/4" / 1/2"
	(mm)	6.35/12.7
Max. pipe length	(ft)	82.0
	(m)	25.0
Max. difference in level	(ft)	32.8
	(m)	10.0
Connection method		Flared
Indoor(cooling)	(Deg. °F)	62~90
	(Deg. °C)	17~32
Indoor(heating)	(Deg. °F)	32~86
	(Deg. °C)	0~30
Outdoor(cooling)	(Deg. °F)	-22~122
	(Deg. °C)	-30~50

INDOOR UNIT DATA

Indoor fan motor			
Model		ZKFP-46-8-1	
Qty		1	
Input	(W)	45.00	
Output	(W)	46.0	
RLA	(A)	0.00	
Speed(Hi/Mi/Lo)	(r/min)	/	
Air flow & Noise level			
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	/ / 335.29/282.35/241.18	
Indoor noise level (Hi/Med/Lo)	[dB(A)]	40.5/35.5/31.5	
Dehumidification	(L/H)	1.69	
Indoor unit			
Dimension (WxDxH)	(inch)	22.44x22.44x10.24	
	(mm)	570x570x260	
Packing(WxDxH)	(inch)	26.06x26.06x12.48	
	(mm)	662x662x317	
Net/Gross weight	(lbs.)	35.27/41.01	
	(kg)	16/18.6	

OUTDOOR UNIT DATA

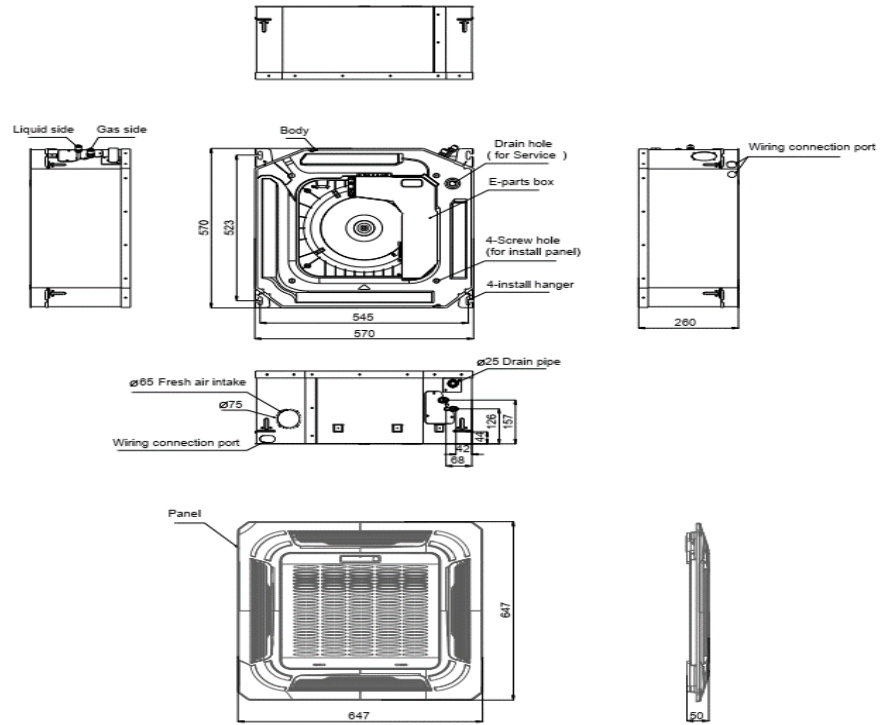
Compressor			
Type		ROTARY	
Model		KTN110D42UFZ	
Brand		GMCC	
Capacity	(Btu/h)	11823	
Input	(W)	885	
Rated current (RLA)	(A)	8.8	
Refrigerant oil/oil charge	(ml)	VG74/350	
Outdoor fan motor			
Model		ZKFN-34-10-1	
Qty		1	
Input	(W)	/	
Output	(W)	34.00	
RLA	(A)	0.36	
Speed	(r/min)	850/680/450	
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)	1323.5	
Outdoor noise level	[dB(A)]	52.5	
Outdoor unit			
Dimension (WxDxH)	(inch)	31.69x12.99x21.81	
	(mm)	805x330x554	
Packing (WxDxH)	(inch)	36.02x14.57x24.21	
	(mm)	915x370x615	
Net/ Gross weight	(lbs.)	73.63/79.37	
	(kg)	33.4/36	

Outdoor(heating)

(Deg. °F)
(Deg. °C)

-22~75
-30~24

Indoor unit dimension



Outdoor unit dimension

