



SUBMITTAL DATA SHEET

One Way Cassette Heat Pump System		ACIQ-12CC-HH-MB
Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____	

Set Code	22022510004424
Indoor unit code	22022511000710
Outdoor unit code	22022016016220
Set Model	
Indoor unit model	ACIQ-12CC-HH-MB
Outdoor unit model	
Certified	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> </div>



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

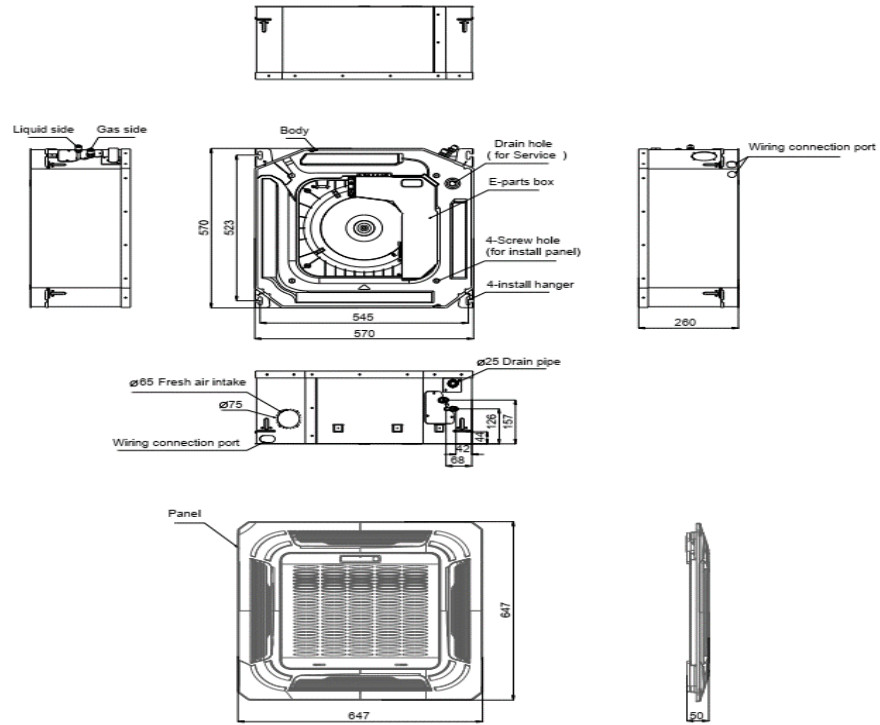
OUTDOOR UNIT DATA			
Compressor			
Type			ROTARY
Model			KTN110D42UFZ
Brand			GMCC
Capacity	(Btu/h)		11823
Input	(W)		885
Rated current (RLA)	(A)		8.8
Refrigerant oil/oil charge	(ml)		VG74/350
Outdoor fan motor			
Model			ZKFN-34-10-1
Qty			1
Input	(W)		/
Output	(W)		34.00
RLA	(A)		0.36
Speed	(r/min)		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

