




SUBMITTAL DATA SHEET



**4-Way Ceiling Cassette Heat Pump System** ACIQ-18CC-HH-MB

Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____
--	--

<b>Set Code</b>	22022510004427
Indoor unit code	22022511000711
Outdoor unit code	22022016015900
<b>Set Model</b>	
Indoor unit model	ACIQ-18CC-HH-MB
Outdoor unit model	
<b>Certified</b>	AHRI  UL 
	



**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)	20.0	
Max.fuse(Outdoor)	(A)	25.0	
Connection wiring		14*4 AWG	
<b>Cooling</b>			
Capacity	(Btu/h)	16000(5600~17000)	
Power Input	(W)	1280(250~1800)	
Current	(A)	8.0(1.70~8.6)	
SEER2	(Btu/W)	20.0	
EER2	(Btu/W)	12.5	
<b>Heating</b>			
Capacity	(Btu/h)	17000(8700~21000)	
Power Input	(W)	1690(590~2400)	
Current	(A)	10.8(3.7~12.2)	
HSPF2-4	(Btu/W)	9.5	
HSPF2-5	(Btu/W)	7.8	
COP	W/W	2.95	
Heat at 17F(H32)	(Btu/h)	15900	
Heat at 5F(H42)	(Btu/h)	16000	
COP at 5F(H42)	W/W	1.75	

**REFRIGERANT PIPE DATA**

Throttle type	Indoor unit	N/A
	Outdoor unit	EXV
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	65.26
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)	98.4
	(m)	30.0
Max. difference in level	(ft)	65.6
	(m)	20.0
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**

<b>Indoor fan motor</b>			
Model		ZKFP-46-8-1	
Qty		1	
Input	(W)	45.00	
Output	(W)	46.0	
RLA	(A)	1.50	
Speed(Hi/Mi/Lo)	(r/min)	730/630/570	
<b>Air flow &amp; Noise level</b>			
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	/ / 562.35/485.29/438.82	
Indoor noise level (Hi/Med/Lo)	[dB(A)]	43.5/38.5/35.5	
<b>Dehumidification</b>	(L/H)	2.22	
<b>Indoor unit</b>			
Dimension (WxDxH)	(inch)	22.44x22.44x10.24	
	(mm)	570x570x260	
Packing(WxDxH)	(inch)	26.06x26.06x12.48	
	(mm)	662x662x317	
Net/Gross weight	(lbs.)	35.71/46.96	
	(kg)	16.2/21.3	

**OUTDOOR UNIT DATA**

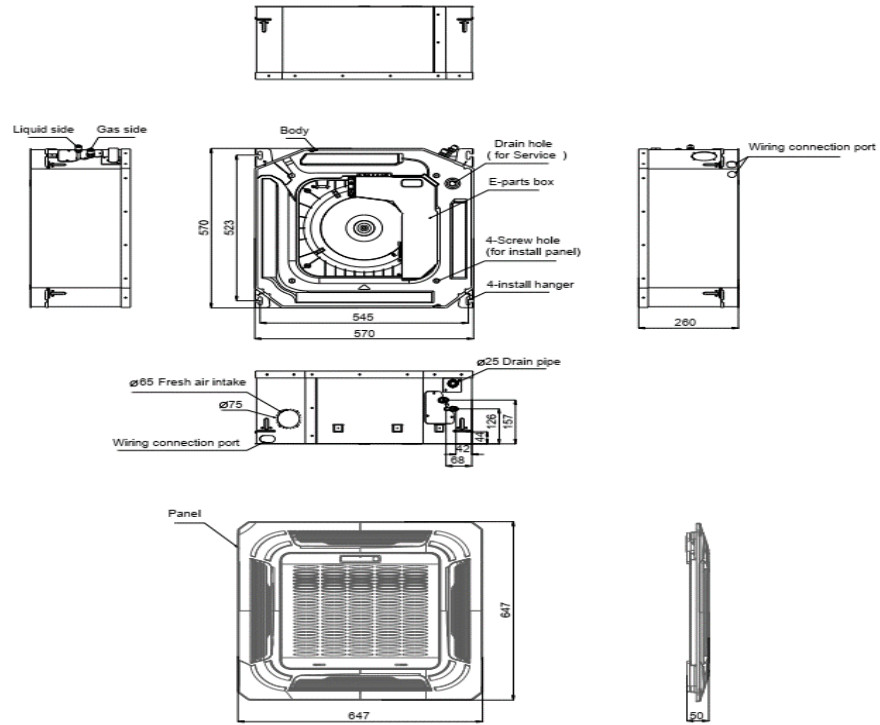
<b>Compressor</b>			
Type		Twin-ROTARY	
Model		KTM240D43UKT	
Brand		GMCC	
Capacity	(Btu/h)	25931	
Input	(W)	2045	
Rated current (RLA)	(A)	14.3	
Refrigerant oil/oil charge	(ml)	ESTER OIL VG74 620	
<b>Outdoor fan motor</b>			
Model		ZKFN-80-8-3	
Qty		1	
Input	(W)	/	
Output	(W)	80.00	
RLA	(A)	0.76	
Speed	(r/min)	810/720	
<b>Air flow &amp; Noise level</b>			
Outdoor air flow (Max.)	(CFM)	1764.7	
Outdoor noise level	[dB(A)]	59.0	
<b>Outdoor unit</b>			
Dimension (WxDxH)	(inch)	35.04x13.46x26.50	
	(mm)	890x342x673	
Packing (WxDxH)	(inch)	39.17x15.67x29.13	
	(mm)	995x398x740	
Net/ Gross weight	(lbs.)	100.97/108.03	
	(kg)	45.8/49	

Outdoor(heating)

(Deg. °F)  
(Deg. °C)

-22~75  
-30~24

Indoor unit dimension



Outdoor unit dimension

