



SUBMITTAL DATA SHEET

One Way Cassette Heat Pump System	ACIQ-24CC-HH-MB
Location: _____	Approval: _____
Engineer: _____	Date: _____
Submitted to: _____	Construction: _____
Submitted by: _____	Unit #: _____
Reference: _____	Drawing #: _____

Set Code	22022510004446
Indoor unit code	22022511003396
Outdoor unit code	22022016015920
Set Model	
Indoor unit model	ACIQ-24CC-HH-MB
Outdoor unit model	
Certified	



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)		25.0
Max.fuse(Outdoor)	(A)		35.0
Connection wiring			14*4 AWG
Cooling			
Capacity	(Btu/h)	24000(8000-25000)	
Power Input	(W)	2182(330-1560)	
Current	(A)	8.5(2.6-11)	
SEER2	(Btu/W)	20.5	
EER2	(Btu/W)	11.0	
Heating			
Capacity	(Btu/h)	25000(11800-27000)	
Power Input	(W)	2093(685-2814)	
Current	(A)	9.8(4.4-12.8)	
HSPF2-4	(Btu/W)	11.5	
HSPF2-5	(Btu/W)	9.2	
COP	W/W	3.50	
Heat at 17F(H32)	(Btu/h)	21000	
Heat at 5F(H42)	(Btu/h)	25800	
COP at 5F(H42)	W/W	2.00	

INDOOR UNIT DATA			
Indoor fan motor			
Model			ZKFN-45-8-1
Qty			1
Input	(W)		/
Output	(W)		45.0
RLA	(A)		1.00
Speed(Hi/Mi/Lo)	(r/min)		680/624/568/512
Air flow & Noise level			
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	764.71/705.88/635.29/547.06	
Indoor noise level (Hi/Med/Lo)	[dB(A)]	48/45.5/43	
Dehumidification			
	(L/H)		2.72
Indoor unit			
Dimension (WxDxH)	(inch)	32.68x32.68x8.07	
	(mm)	830x830x205	
Packing(WxDxH)	(inch)	35.83x35.83x9.84	
	(mm)	910x910x250	
Net/Gross weight	(lbs.)	47.18/55.34	
	(kg)	21.4/25.1	

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	91.71	
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)	164.0	
	(m)	50.0	
Max. difference in level	(ft)	82.0	
	(m)	25.0	
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)	-22~122	
	(Deg. °C)	-30~50	

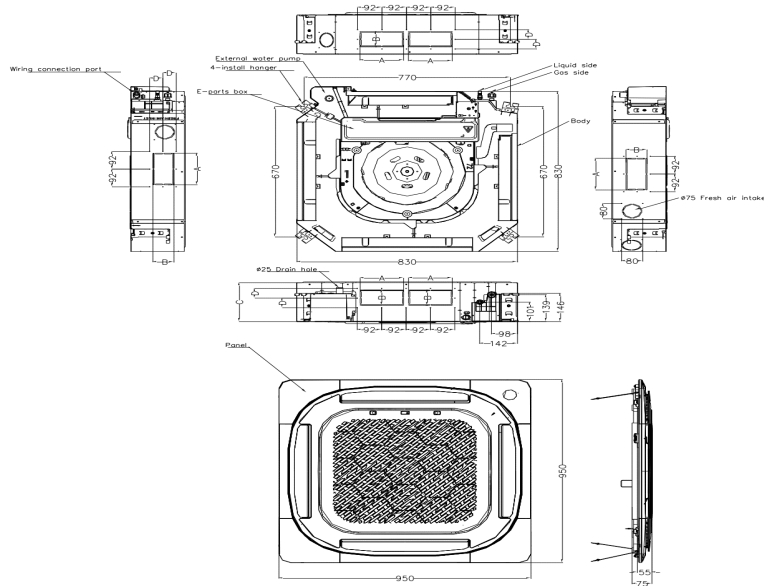
OUTDOOR UNIT DATA			
Compressor			
Type			Twin-ROTARY
Model			KTM240D43UKT
Brand			GMCC
Capacity	(Btu/h)	25931	
Input	(W)	2045	
Rated current (RLA)	(A)	17.1	
Refrigerant oil/oil charge	(ml)	ESTER OIL VG74	620
Outdoor fan motor			
Model			ZKFN-120-8-2
Qty			1
Input	(W)	150.00	
Output	(W)	120.00	
RLA	(A)	0.50	
Speed	(r/min)	950/800/500	
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)	2235.3	
Outdoor noise level	[dB(A)]	62.0	
Outdoor unit			
Dimension (WxDxH)	(inch)	37.24x16.14x31.89	
	(mm)	946x410x810	
Packing (WxDxH)	(inch)	42.91x19.69x34.84	
	(mm)	1090x500x885	
Net/ Gross weight	(lbs.)	134.48/144.40	
	(kg)	61/65.5	

Outdoor(heating)

(Deg. °F)
(Deg. °C)

-22~75
-30~24

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

