



**SUBMITTAL DATA SHEET**

<b>Wall Mounted Heat Pump System</b>		ACIQ-24W-HP230B / ACIQ-24Z-HP230B (Indoor/Outdoor)
Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____	

<b>Set Code</b>	22022010018259
Indoor unit code	22022011018381
Outdoor unit code	22022016016744
<b>Set Model</b>	
Indoor unit model	ACIQ-24W-HP230B
Outdoor unit model	ACIQ-24Z-HP230B
<b>Certified</b>	AHRI UL



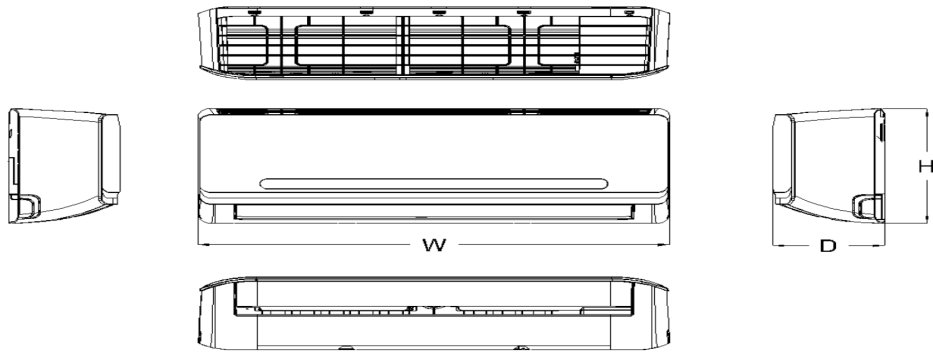
SYSTEM PERFORMANCE DATA			
<b>Power supply</b>			
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz	
Voltage Range	(V)	187-253	
<b>Electrical</b>			
Minimum circuit ampacity(Outdoor)	(A)	19.0	
Max.fuse(Outdoor)	(A)	30.0	
Connection wiring		14AWG*4	
<b>Cooling</b>			
Capacity	(Btu/h)	24000(6704-25300)	
Power Input	(W)	2665(300-2952)	
Current	(A)	11.6(2.08-12.8)	
SEER2	(Btu/W)	18.0	
EER2	(Btu/W)	9.0	
<b>Heating</b>			
Capacity	(Btu/h)	24000(6900-28100)	
Power Input	(W)	2320(430-2837)	
Current	(A)	10.08(2.94-12.39)	
HSPF2-4	(Btu/W)	8.6	
HSPF2-5	(Btu/W)	6.6	
COP	W/W	3.03	
Heat at 17F(H32)	(Btu/h)	16700	
Heat at 5F(H42)	(Btu/h)	14200	
COP at 5F(H42)	W/W	1.78	

REFRIGERANT PIPE DATA			
Throttle type	Indoor unit	N/A	
	Outdoor unit	Throttle valve	
Design pressure	(PSIG)	550/340	
Refrigerant Type		R410A	
Refrigerant charge	oz	62.79	
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)	62~90	
	(Deg. °C)	17~32	
Indoor(heating)	(Deg. °F)	32~86	
	(Deg. °C)	0~30	
Outdoor(cooling)	(Deg. °F)	5~122	
	(Deg. °C)	-15~50	
Outdoor(heating)	(Deg. °F)	5~86	
	(Deg. °C)	-15~30	

INDOOR UNIT DATA			
<b>Indoor fan motor</b>			
Model		ZKFP-58-8-1-10	
Qty		1	
Input	(W)	58.00	
Output	(W)	58.0	
RLA	(A)	0.5	
Speed(Hi/Mi/Lo)	(r/min)	1100/900/750	
<b>Air flow &amp; Noise level</b>			
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	705.88/588.24/450.00/352.94	
Indoor noise level (Hi/Med/Lo)	[dB(A)]	45.5/39.5/35	
Dehumidification	(L/H)	2.97	
<b>Indoor unit</b>			
Dimension (WxDxH)	(inch)	42.52x8.90x13.19	
	(mm)	1080x226x335	
Packing(WxDxH)	(inch)	45.47x16.34x12.60	
	(mm)	1155x415x320	
Net/Gross weight	(lbs.)	29.98/38.58	
	(kg)	13.6/17.5	

OUTDOOR UNIT DATA			
<b>Compressor</b>			
Type		Twin-ROTARY	
Model		KTM240D43UKT	
Brand		GMCC	
Capacity	(Btu/h)	25931	
Input	(W)	2045	
Rated current (RLA)	(A)	14.25	
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	
RLA	(A)	0.8	
Speed	(r/min)	810/720	
<b>Air flow &amp; Noise level</b>			
Outdoor air flow (Max.)	(CFM)	1765	
Outdoor noise level	[dB(A)]	60.0	
<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.)	97.88/104.50	
	(kg)	44.4/47.4	

Indoor unit dimension



Capacity	Body Code	W(mm)	D(mm)	H(mm)
7K~9K	A	722	187	290
9K~12K	B	802	189	297
12K~18K	D	965	215	319
18K~24K	E	1080	226	335
27K~36K	F	1259	282	362
30K~36K	G	1350	272	365

Outdoor unit dimension

