






SUBMITTAL DATA SHEET

Multi Zone Heat Pump **ACIQ-27Z-HH-M3B**

Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____
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Set Code	22022310003203
Indoor unit code	22022011016181
Outdoor unit code	22022316001306
Set Model	
Indoor unit model	ACIQ-27Z-HH-M3B
Outdoor unit model	
Certified	
AHRI	
UL	
	



SYSTEM PERFORMANCE DATA

Power supply		
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz
Voltage Range	(V)	187-253
Electrical		
Minimum circuit ampacity	(A)	25.0
Max.fuse	(A)	40.0
Connection wiring		14AWG*4 Stranded, unshielded
Cooling		
Capacity	(Btu/h)	28000(8000~32800)
Power Input	(W)	2240(275~3493)
Current	(A)	12.4(2.43~15.55)
SEER2	(Btu/W)	23.0
EER2	(Btu/W)	12.5
Heating		
Capacity	(Btu/h)	28000(5000~38500)
Power Input	(W)	2240(303~4074)
Current	(A)	10.5(2.26~18.08)
HSPF2-4	(Btu/W)	10.6
HSPF2-5	(Btu/W)	8.1
COP	W/W	3.66
Heat at 17F(H32)	(Btu/h)	26600
Heat at 5F(H42)	(Btu/h)	25000
COP at 5F(H42)	W/W	1.80

Outdoor(cooling)	(Deg. °F)	5~122
	(Deg. °C)	-15~50
Outdoor(heating)	(Deg. °F)	-22~75
	(Deg. °C)	-30~24

REFRIGERANT PIPE DATA

Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	134.0
Refrigerant precharge	(ft)	25x3
Additional charge for each ft (Φ6.35 (1/4") liquid pipe)	(oz/ft)	0.16
	(g/ft)	15.0
Additional charge for each ft (Φ9.52 (3/8") liquid pipe)	(oz/ft)	0.32
	(g/ft)	30.0
Liquid side	(inch)	3x1/4"
	(mm)	3x6.35
Gas side	(inch)	2x3/8"+1x1/2"
	(mm)	2x9.52+1x12.7
Max. length for all rooms	(ft)	196.9
	(m)	60.0
Max. length for one indoor unit	(ft)	98.4
	(m)	30.0
Max. height difference between indoor and outdoor unit	(ft)	49.2
	(m)	15.0
Max. height difference between indoor units	(ft)	33.0
	(m)	10.0

OUTDOOR UNIT DATA

Compressor		
Type		ROTARY
Model		KTF310D43UMT
Brand		GMCC
Capacity	(Btu/h)	34154
Input	(W)	2765
Rated current (RLA)	(A)	17.5
Refrigerant oil/oil charge	(ml)	VG74/1000
Outdoor fan motor		
Model		ZKFN-120-8-2
Qty		1
Input	(W)	150.00
Output	(W)	120.00
RLA	(A)	1.00
Speed	(r/min)	1000/900/750
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	2147.06
Outdoor noise level	[dB(A)]	63.00
Outdoor unit		
Dimension (W×D×H)	(inch)	37.24x16.14x31.89
	(mm)	946x410x810
Packing (W×D×H)	(inch)	42.91x19.69x34.84
	(mm)	1090x500x885
Net/ Gross weight	(lbs.)	167.99/179.67
	(kg)	76.2/81.5

Outdoor unit dimension

