






SUBMITTAL DATA SHEET

Multi Zone Heat Pump **ACIQ-18Z-HH-M2B**

Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____
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Set Code	22022310002845
Indoor unit code	22022011016181
Outdoor unit code	22022316001286
Set Model	
Indoor unit model	ACIQ-18Z-HH-M2B
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)	20.0
Max.fuse	(A)	25.0
Connection wiring		14AWG*4 Stranded, unshielded
Cooling		
Capacity	(Btu/h)	19000(5500-25000)
Power Input	(W)	1520(230-2200)
Current	(A)	9.1(2.7-9.8)
SEER2	(Btu/W)	22.0
EER2	(Btu/W)	12.5
Heating		
Capacity	(Btu/h)	20000(8100-29600)
Power Input	(W)	1725(640-2700)
Current	(A)	9.4(4.5-12.0)
HSPF2-4	(Btu/W)	9.8
HSPF2-5	(Btu/W)	7.7
COP	W/W	3.40
Heat at 17F(H32)	(Btu/h)	15000
Heat at 5F(H42)	(Btu/h)	19700
COP at 5F(H42)	W/W	1.90

OUTDOOR UNIT DATA

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	91.7
Refrigerant precharge	(ft)	25x2
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)	2x1/4"
	(mm)	2x6.35
Gas side	(inch)	2x3/8"
	(mm)	2x9.52
Max. length for all rooms	(ft)	131.2
	(m)	40.0
Max. length for one indoor unit	(ft)	82.0
	(m)	25.0
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		Twin-ROTARY
Model		KTM240D43UKT
Brand		GMCC
Capacity	(Btu/h)	25931
Input	(W)	2045
Rated current (RLA)	(A)	11
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)	1.70
Speed	(r/min)	1050/900/850
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	2129.41
Outdoor noise level	[dB(A)]	61.0
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.)	138.23/149.03
	(kg)	62.7/67.6

Outdoor unit dimension

