



Submittal Data Sheet

Outdoor Unit Model#: ACIQ-27Z-HH-M4C*

Multi Zone Heat Pump System

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

Product Code: 810175551074



EFFICIENCY RATINGS

Cooling		Heating	
SEER2	19.0	HSPF2-4	9.5
EER2	12	COP	3.6

COOLING PERFORMANCE

Cooling (Btu/hr)	
Rated Capacity	28000
Min/Max Capacity	7200~38000
Moisture Removal (L/h)	0.2
Standard Operating Range (°F/°C)	-22~-122 / (-30~50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

HEATING PERFORMANCE

Heating (Btu/hr)	
1. @ 47°F Rated	28000
1. @ 47°F Min/Max Capacity	8400~38500
2. @ 17°F Rated (H32)	23000
3. @ 5°F Rated: Capacity / COP (H42)	27000 / 2
3. @ 5°F Max: Capacity	27000
Standard Operating Range (°F/°C)	-22~75 / (-30~24)
1. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
2. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB
3. Conditions	Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB

OUTDOOR UNIT SPECIFICATIONS

Compressor Type	ROTARY	
Compressor Model	KTF310D43UMT	
Refrigerant	R454B	
Refrigerant Oil Charge (mL)	1000	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	2148	
Outdoor Noise Level (dBA)	61	
Dimension (W×D×H)	inch	37.24 x 16.14 x 31.89
	mm	946 x 410 x 810
Package (W×D×H)	inch	42.91 x 19.68 x 34.84
	mm	1090 x 500 x 885
Net/Gross Weight	lbs	168.43 / 179.67
	kg	76.4 / 81.5

ELECTRICAL SPECIFICATIONS

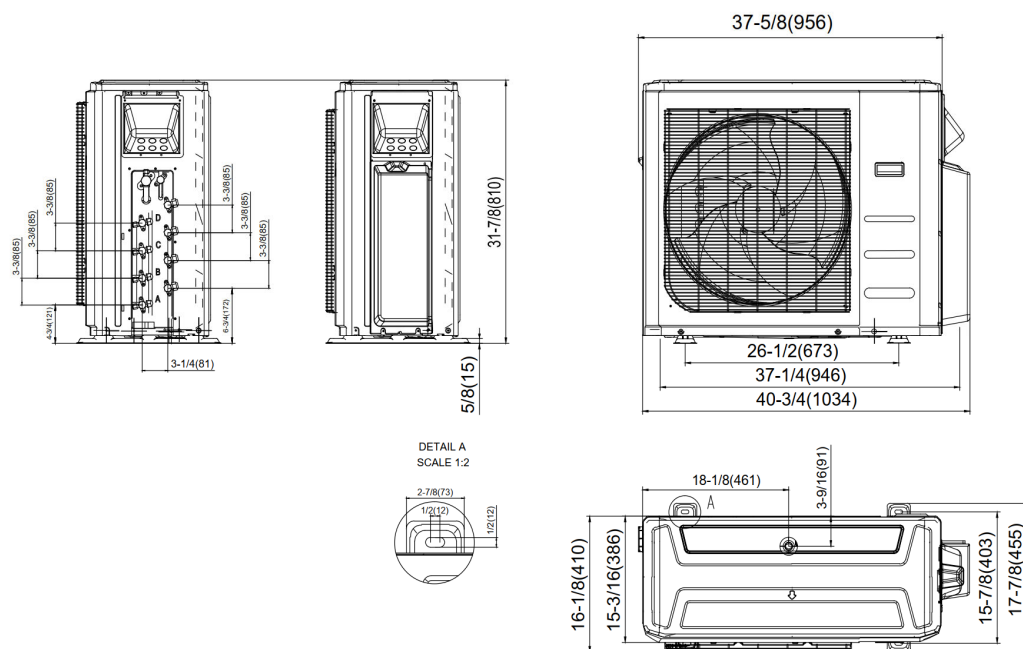
Power Supply	208/230V, 60Hz, 1Ph
System MCA	30
Connection Wiring	AWG 14-4
System MOP	35
Compressor RLA	17
Outdoor Fan Motor RLA	1.3
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	2333 / (500 ~ 4500)
System Power Input @ Heating (W)	2279 / (500 ~ 4000)
MCA: Min. circuit amps (A)	MOP: Max. overcurrent protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

PIPING

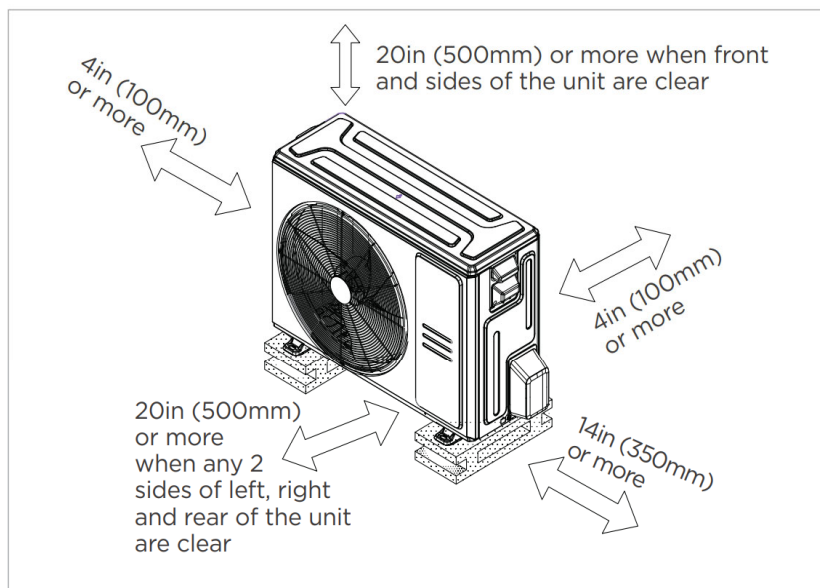
Liquid Size	4 x 6.35mm (4 x 1/4in)
Gas Size	3 x 9.52mm + 1 x 12.7mm (3 x 3/8in + 1 x 1/2in)
Max. Piping Length for all rooms (ft/m)	262.4 / (80)
Max. Piping Length for one IDU (ft/m)	114.8 / (35)
Max. Height Difference of IDU and ODU (ft/m)	49.2 / (15)
Refrigerant Pre-charged Amount (oz/kg)	120.63 / (3.42)
Refrigerant Precharge Length (ft/m)	24.6 (7.5) x 4
Additional Charge of Refrigerant (Φ6.35 (1/4") liquid pipe) ((oz/ft)/(g/m))	0.16 / (15)
Additional Charge of Refrigerant (Φ9.52 (3/8") liquid pipe) ((oz/ft)/(g/m))	0.32 (30)
Connection Method	Flared

*System performance figures & efficiency ratings above achieved by testing condenser with (1) 9K & (3) 6K multi-zone compatible ducted air handlers

Outdoor Unit Dimensions



Installation Instructions



Meets all spatial requirements shown in Installation Clearance Requirements above.