



Submittal Data Sheet

Outdoor Unit Model#: ACIQ-48Z-HH-M6C*

Multi Zone Heat Pump System

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

Product Code: 810175551098



EFFICIENCY RATINGS

Cooling		Heating	
SEER2	20.4	HSPF2-4	11.0
EER2	11.7	COP	3.5

COOLING PERFORMANCE

Cooling (Btu/hr)	
Rated Capacity	47000
Min/Max Capacity	12000~57000
Moisture Removal (L/h)	2.6
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	48000
1. @ 47°F Min/Max Capacity	13000~60000
2. @ 17°F Rated (H32)	44500
3. @ 5°F Rated: Capacity / COP (H42)	48000 / 2
3. @ 5°F Max: Capacity	48000
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		TWIN-ROTARY
Compressor Model		EKPQ440D1UMUB
Refrigerant		R454B
Refrigerant Oil Charge (mL)		1300
Refrigerant Oil		VG75
Outdoor Air Flow (Max) (CFM)		4503
Outdoor Noise Level (dBA)		65
Dimension (W×D×H)	inch	37.48 x 16.34 x 52.48
	mm	952 x 415 x 1333
Package (W×D×H)	inch	43.11 x 19.49 x 58.27
	mm	1095 x 495 x 1480
Net/Gross Weight	lbs	246.47 / 276.68
	kg	111.8 / 125.5

ELECTRICAL SPECIFICATIONS

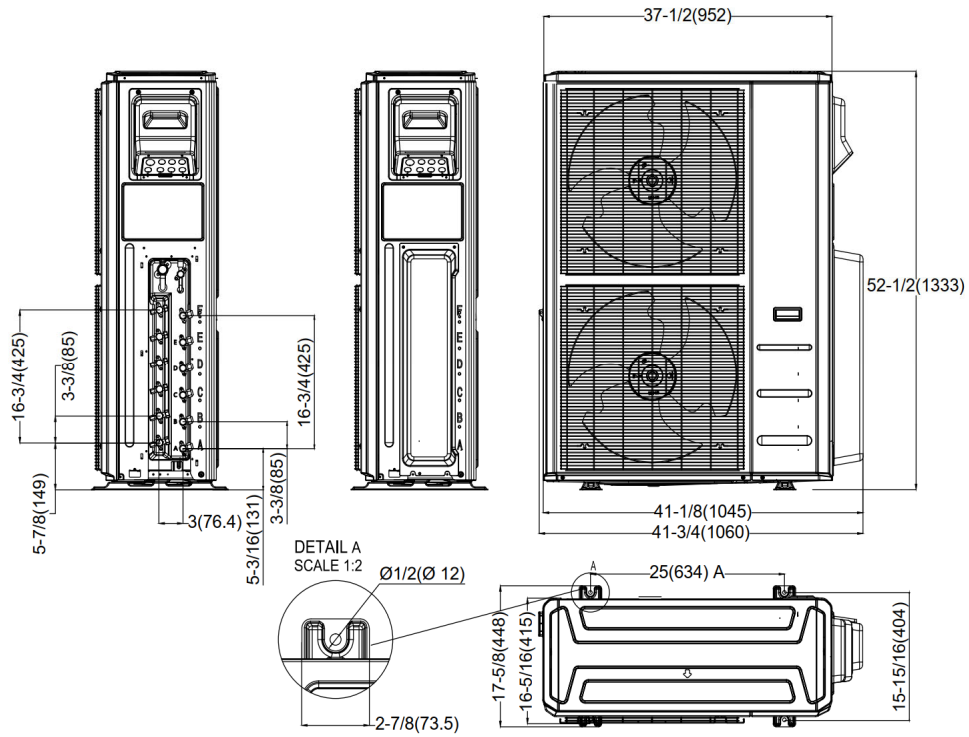
Power Supply	208/230V, 60Hz, 1Ph
System MCA	37
Connection Wiring	AWG 14-4
System MOP	40
Compressor RLA	27
Outdoor Fan Motor RLA	2.5
Outdoor Fan Motor W	85
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	4020 / (800 ~ 5700)
System Power Input @ Heating (W)	4000 / (800 ~ 5000)
MCA: Min. circuit amps (A)	MOP: Max. overcurrent protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

REFRIGERANT PIPING SPECIFICATIONS

Liquid Size	6 x 6.35mm (6 x 1/4in)
Gas Size	4 x 9.52mm + 2 x 12.7mm (4 x 3/8in + 2 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)	151.68 / (4.3)
Refrigerant Precharge Length (ft/m)	24.6 (7.5) x 6
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 (4) 9K & (1) 12K multi-zone compatible ducted air handlers

Outdoor Unit Dimensions



Installation Instructions

