



Submittal Data Sheet

Indoor Unit Model#: SCC-1218-HH-MB
Outdoor Unit Model#: ACiQ-12ZPL-HP230C

Slim Ceiling Cassette Heat Pump System

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



EFFICIENCY RATINGS

Cooling	Heating	
SEER2	23	HSPF2-4
EER2	13	COP

COOLING PERFORMANCE

Cooling (Btu/hr)	
Rated Capacity	12000
Min/Max Capacity	4000~13900
Moisture Removal (L/h)	1.69
Standard Operating Range (°F/°C)	-22~122 (-30~50)
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

HEATING PERFORMANCE

Heating (Btu/hr)	
1. @ 47°F Rated	12500
1. @ 47°F Min/Max Capacity	4600~15200
2. @ 17°F Rated	9600
3. @ 5°F Rated: Capacity / COP	11500 / 2.0
3. @ 5°F Max: Capacity	11500
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

INDOOR UNIT SPECIFICATIONS

Indoor Air Flow (Turbo/H/M/L/Si) (CFM)	353.2 / 312.0 / 282.5 / 247.2 / 176.6
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	NA / 41 / 37 / 33 / 24
Dimension (WxDxH)	inch
	mm
Package (WxDxH)	inch
	mm
Net/Gross Weight	50.31 x 13.19 x 8.98
	1278.0 x 335.0 x 228.0
Net/Gross Weight	57.60 x 22.48 x 22.64
	1463 x 571 x 575
Net/Gross Weight	45.19 / 82.45
	20.5 / 37.4
kg	kg

OUTDOOR UNIT SPECIFICATIONS

Compressor Type	ROTARY
Compressor Model	KTN110D42UFZ
Refrigerant	R454B
Refrigerant Oil Charge (mL)	350
Refrigerant Oil	VG74
Outdoor Air Flow (Max) (CFM)	1471.5
Outdoor Noise Level (dBA)	56
Dimension (WxDxH)	inch
	31.69 x 12.99 x 21.81
Package (WxDxH)	mm
	805.0 x 330.0 x 554.0
Net/Gross Weight	inch
	36.02 x 14.57 x 24.21
Net/Gross Weight	mm
	915 x 370 x 615
Net/Gross Weight	lbs
	72.75 / 78.70
Net/Gross Weight	kg
	33 / 35.7

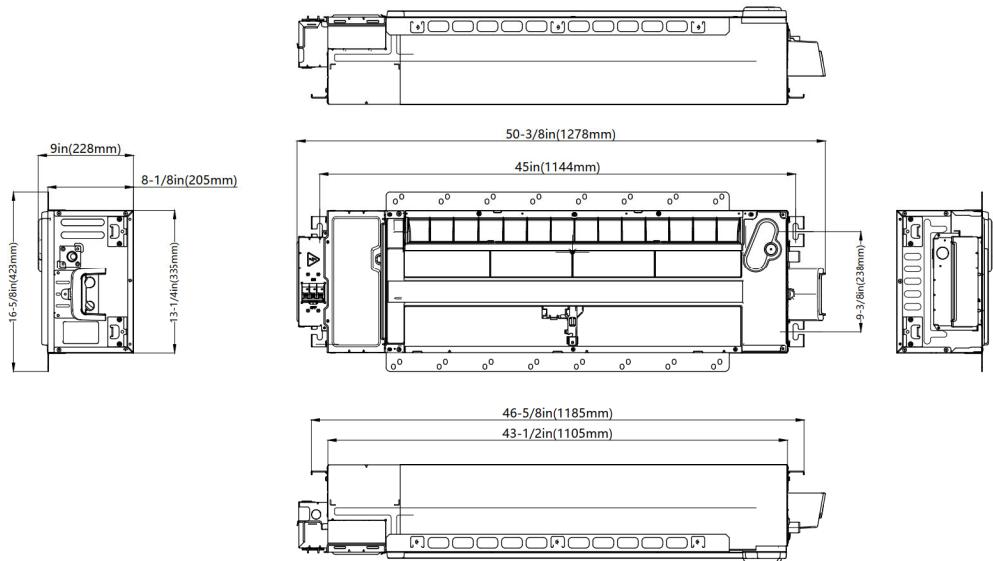
ELECTRICAL SPECIFICATIONS

Power Supply	208/230V,60Hz,1Ph
System MCA	15.00
Connection Wiring	14#x4
System MOP	15
Compressor RLA	11.6
Outdoor Fan Motor RLA	0.5
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	1.0
Indoor Fan Motor W	30
System Power Input @ Cooling (W)	923 (147 ~ 1230)
System Power Input @ Heating (W)	1030 (362 ~ 1377)
MCA: Min. circuit amps (A)	MOP: Max. overcurrent protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

REFRIGERANT PIPING SPECIFICATIONS

Throttle type (Indoor)	N/A
Throttle type (Outdoor)	EXV
Liquid Size	6.35mm (1/4in)
Gas Size	9.52mm (3/8in)
Max. Piping Length (ft/m)	82.02 (25)
Max. Height Difference (ft/m)	49.21 (15)
Max. Pre-charged Length (ft/m)	24.6 (7.5)
Refrigerant Pre-charged Amount (oz/kg)	35.27 (1.00)
Additional Charge of Refrigerant ((oz/ft)/(g/m))	0.16 (15)
Connection Method	Flared

Indoor Unit Dimensions

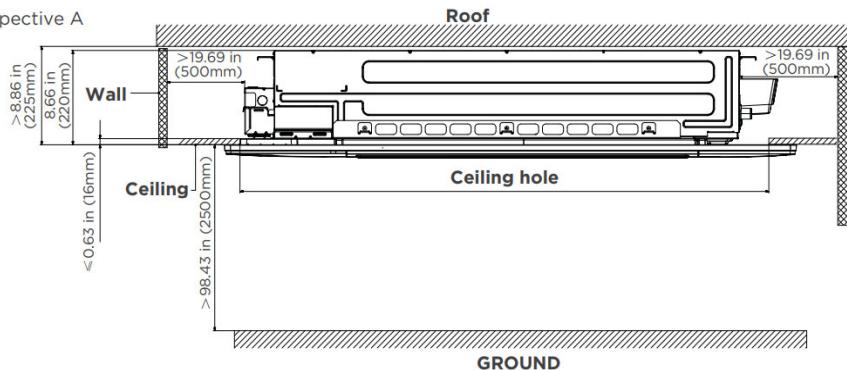


Indoor Unit Installation Instructions

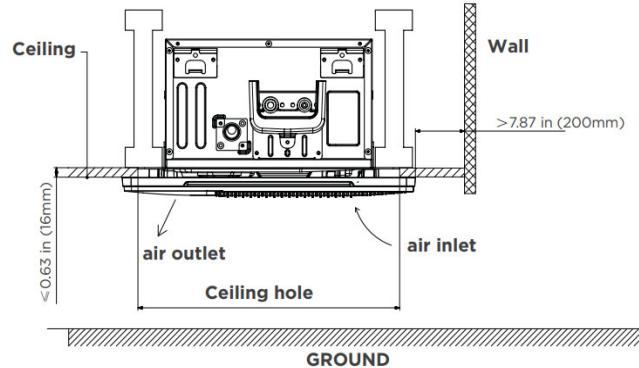
Installation place

(unit: inch/mm)

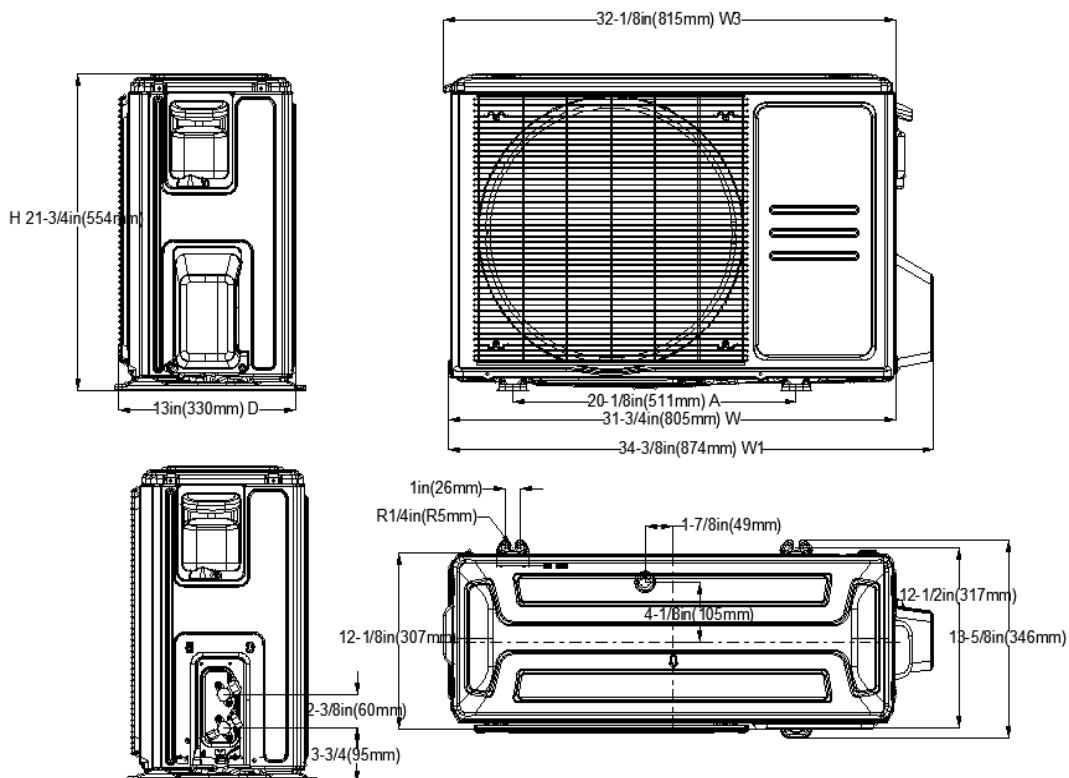
Perspective A



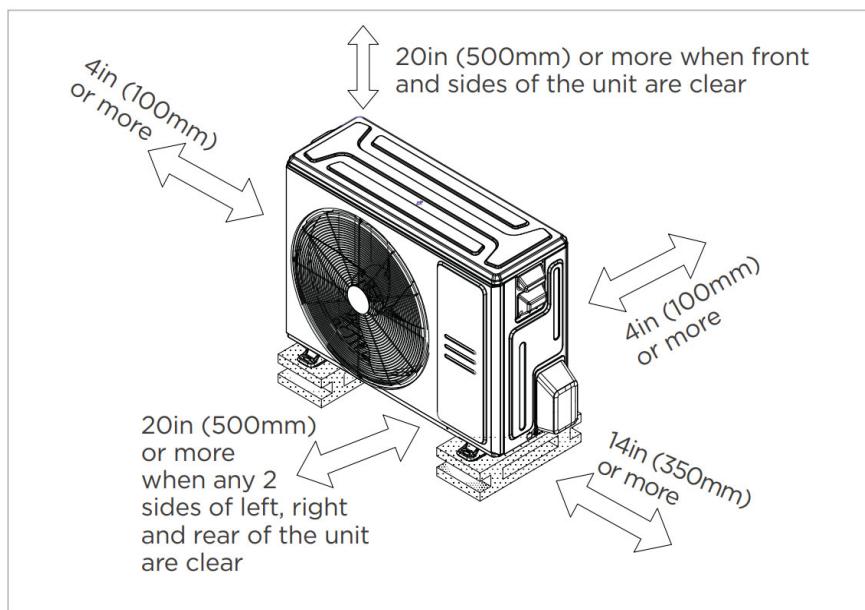
Perspective B



Outdoor Unit Dimensions



Outdoor Unit Installation Instructions



Meets all spatial requirements shown in Installation Clearance Requirements above.

Features

- Designed to fit between both I-joist spacing and traditional joist spacing
- Elevation panel
- Refrigerant leakage detection sensor (Optional)
- Humidity sensor
- Built-in pump
- Built-in circuit breaker
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle or wired controller with built-in WiFi
- OTA (by using WiFi dongle)
- 2-pin connector (HA/HB) for programmable wired controller
- Multiple control options available:
 - Two way communication wired controller: 120N (X6)
 - Two way communication wired controller with built-in WiFi: 120N (X6W)
 - Infrared wired controller: 120L
 - Wireless remote controller
 - Third-Party 24V Thermostat*

*24V interface is required.