



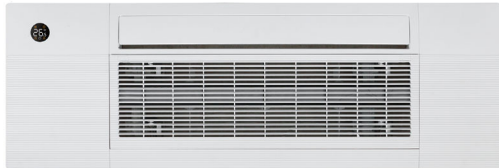
Submittal Data Sheet

Indoor Unit Model#: SCC-0609-HH-MB
Outdoor Unit Model#: ACiQ-09ZPL-HP230C

Slim Ceiling Cassette Heat Pump System

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

System Product Code: 810175551647
Indoor Unit Product Code: 810175551333
Outdoor Unit Product Code: 810175550947



EFFICIENCY RATINGS

Cooling		Heating	
SEER2	24.0	HSPF2-4	12.1
EER2	14.6	COP	3.71

COOLING PERFORMANCE

Cooling (Btu/hr)	
Rated Capacity	9000
Min/Max Capacity	4000~12900
Moisture Removal (L/h)	0.98
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	10900
1. @ 47°F Min/Max Capacity	3800~13900
2. @ 17°F Rated	9000
3. @ 5°F Rated: Capacity / COP	10600 / 1.83
3. @ 5°F Max: Capacity	10600
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 / 38 / 36 / 33 / 24
Dimension (W×D×H)	inch	50.31 x 13.19 x 8.98
	mm	1278.0 x 335.0 x 228.0
Package (W×D×H)	inch	57.60 x 22.48 x 22.64
	mm	1463 x 571 x 575
Net/Gross Weight	lbs	45.19 / 82.45
	kg	20.5 / 37.4

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)		54.5
Dimension (W×D×H)	inch	31.69 x 12.99 x 21.81
	mm	805.0 x 330.0 x 554.0
Package (W×D×H)	inch	36.02 x 14.57 x 24.21
	mm	915 x 370 x 615
Net/Gross Weight	lbs	72.75 / 78.70
	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		10.4
Outdoor Fan Motor RLA		0.6
Outdoor Fan Motor W		34
Indoor Fan Motor RLA		1.0
Indoor Fan Motor W		30
System Power Input @ Cooling (W)		610 (147 ~ 1150)
System Power Input @ Heating (W)		860 (300 ~1350)
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

The indoor unit dimensions are as follows:

- Front View:**
 - Overall width: 50-3/8in (1278mm)
 - Overall height: 16-5/8in (423mm)
 - Top panel height: 9in (228mm)
 - Bottom panel height: 8-1/8in (205mm)
 - Internal height: 13-1/4in (335mm)
- Side View:**
 - Overall depth: 46-5/8in (1185mm)
 - Internal depth: 43-1/2in (1105mm)
- Top View:**
 - Overall width: 50-3/8in (1278mm)
 - Overall depth: 46-5/8in (1185mm)
 - Internal depth: 43-1/2in (1105mm)
 - Right side depth: 9-3/8in (238mm)

Installation place

(unit: inch/mm)

Perspective A

Diagram illustrating the side view of the ceiling-mounted unit (Perspective A). The unit is shown installed between a **Roof** and a **GROUND** plane, with a **Wall** on the left and a **Ceiling** below. Key dimensions are indicated:

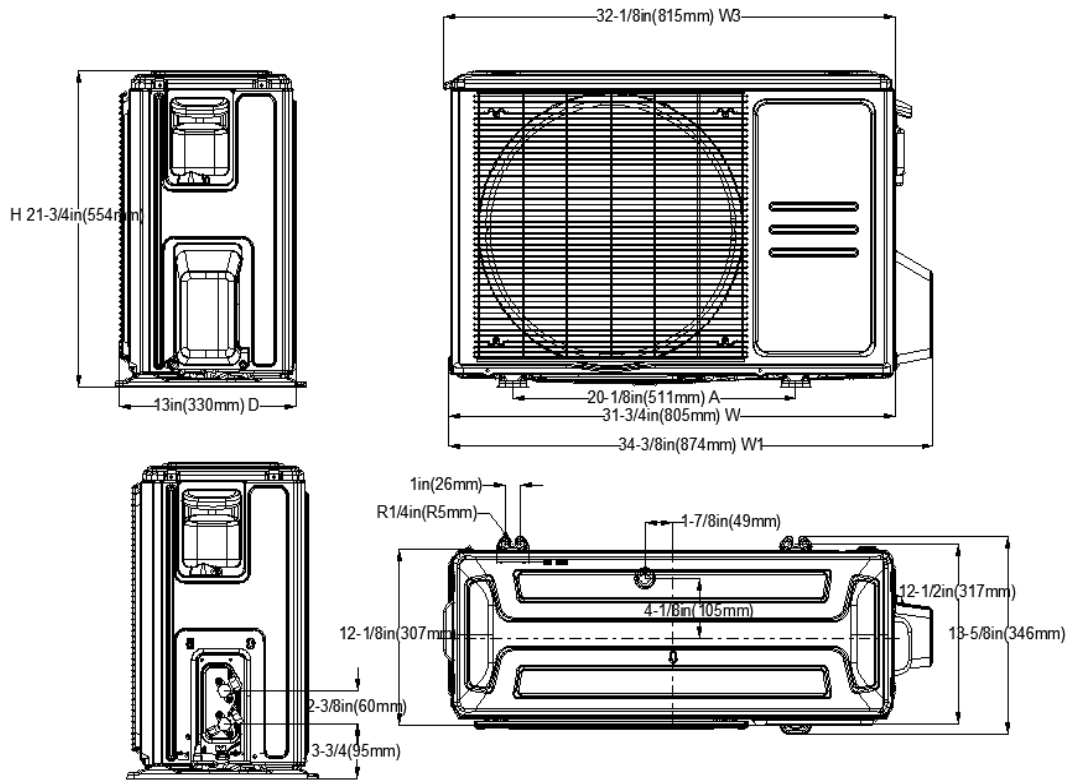
- Roof clearance (left): >19.69 in (500mm)
- Roof clearance (right): >19.69 in (500mm)
- Wall clearance (top): >8.86 in (225mm)
- Wall clearance (bottom): <0.63 in (16mm)
- Ceiling clearance (left): >98.43 in (2500mm)
- Ceiling hole width: Indicated by a dimension line.

Perspective B

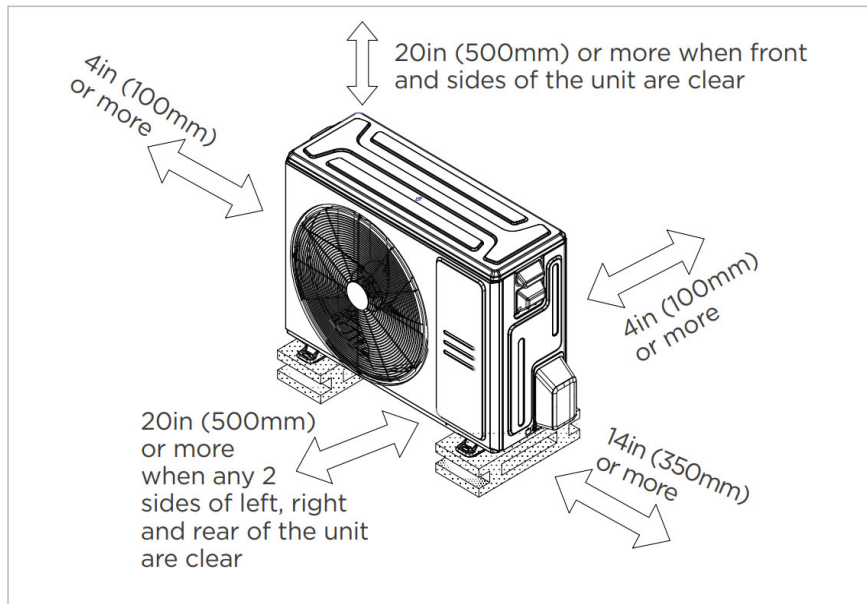
Diagram illustrating the top view of the ceiling-mounted unit (Perspective B). The unit is shown installed between a **Ceiling** and a **GROUND** plane, with a **Wall** on the right. Key dimensions and features are indicated:

- Wall clearance (right): >7.87 in (200mm)
- Ceiling clearance (left): <0.63 in (16mm)
- Ceiling hole width: Indicated by a dimension line.
- Air inlet: Indicated by an arrow pointing into the unit.
- Air outlet: Indicated by an arrow pointing out of the unit.

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.