



Submittal Data Sheet

Indoor Unit Model#: ACiQ-36CC-HH-MC
Outdoor Unit Model#: ACiQ-36ZPL-HP230C

4-Way Ceiling Cassette Heat Pump System

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

System Product Code: 810175551456
Indoor Unit Product Code: 810175551159
Outdoor Unit Product Code: 810175550985



INDOOR UNIT SPECIFICATIONS

Indoor Air Flow (Turbo/H/M/L/Si) (CFM)		1041.8 / 947.6 / 853.5 / 753.4 / 659.2
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		NA / 52.0 / 47.5 / 40.0 / 38.00
Dimension (W×D×H)	inch	32.68 x 32.68 x 9.65
	mm	830.0 x 830.0 x 245.0
Package (W×D×H)	inch	35.83 x 35.83 x 11.42
	mm	910 x 910 x 290
Net/Gross Weight	lbs	59.30 / 71.43
	kg	26.9 / 32.4

OUTDOOR UNIT SPECIFICATIONS

Compressor Type		TWIN-ROTARY
Compressor Model		EKPQ420D1UMUA
Refrigerant		R454B
Refrigerant Oil Charge (mL)		1460ml
Refrigerant Oil		3265
Outdoor Air Flow (Max) (CFM)		3001.9
Outdoor Noise Level (dBA)		64.5
Dimension (W×D×H)	inch	38.58 x 16.34 x 38.39
	mm	980.0 x 415.0 x 975.0
Package (W×D×H)	inch	45.08 x 19.68 x 42.52
	mm	1145 x 500 x 1080
Net/Gross Weight	lbs	206.57 / 237.44
	kg	93.7 / 107.7

EFFICIENCY RATINGS

Cooling		Heating	
SEER2	21.2	HSPF2-4	10.6
EER2	12.0	COP	3.43

COOLING PERFORMANCE

Cooling (Btu/hr)	
Rated Capacity	36600
Min/Max Capacity	4900~38000
Moisture Removal (L/h)	4.30
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	37000
1. @ 47°F Min/Max Capacity	11400~44600
2. @ 17°F Rated	30600
3. @ 5°F Rated: Capacity / COP	37000 / 1.95
3. @ 5°F Max: Capacity	37000
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

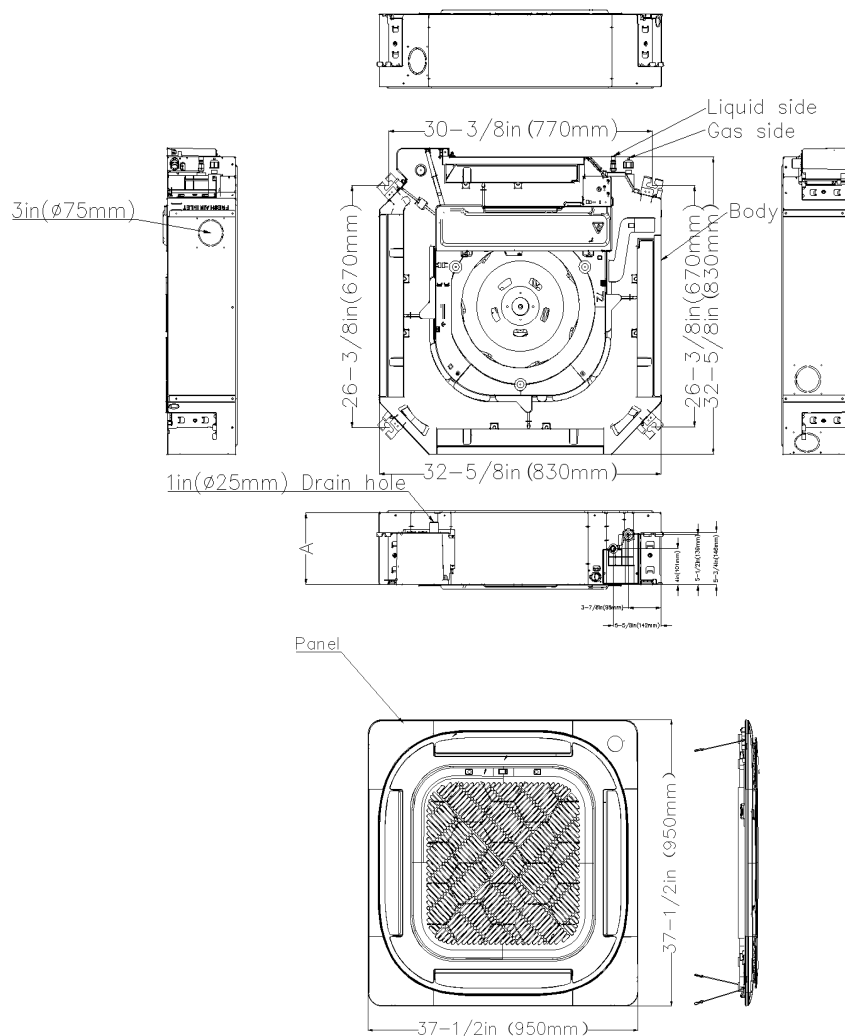
ELECTRICAL SPECIFICATIONS

Power Supply	208/230V, 60Hz, 1Ph
System MCA	38.00
Connection Wiring	14#x3
System MOP	40
Compressor RLA	24.5
Outdoor Fan Motor RLA	2.1
Outdoor Fan Motor W	250
Indoor Fan Motor RLA	1.0
Indoor Fan Motor W	125
System Power Input @ Cooling (W)	3042 (580 ~ 3480)
System Power Input @ Heating (W)	3161 (740 ~4160)
MCA: Min. circuit amps (A)	MOP: Max. overcurrent protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

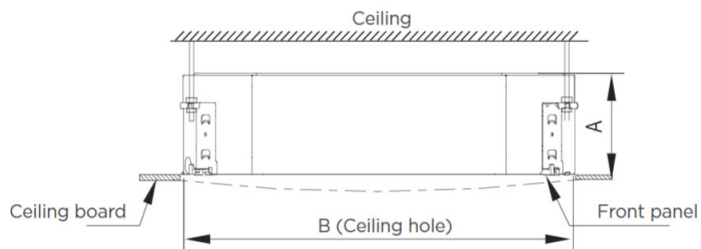
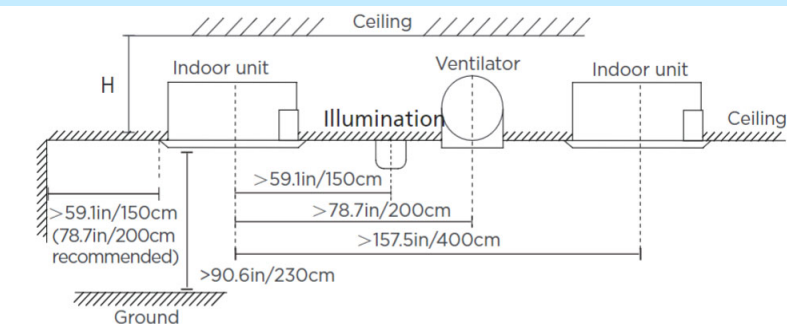
REFRIGERANT PIPING SPECIFICATIONS

Throttle type (Indoor)	N/A
Throttle type (Outdoor)	EXV+Throttle valve
Liquid Size	9.52mm (3/8in)
Gas Size	19mm (3/4in)
Max. Piping Length (ft/m)	246.00 (75)
Max. Height Difference (ft/m)	98.40 (30)
Max. Pre-charged Length (ft/m)	24.6 (7.5)
Refrigerant Pre-charged Amount (oz/kg)	126.99 (3.60)
Additional Charge of Refrigerant ((oz/ft)/(g/m))	0.32 (30)
Connection Method	Flared

Indoor Unit Dimensions



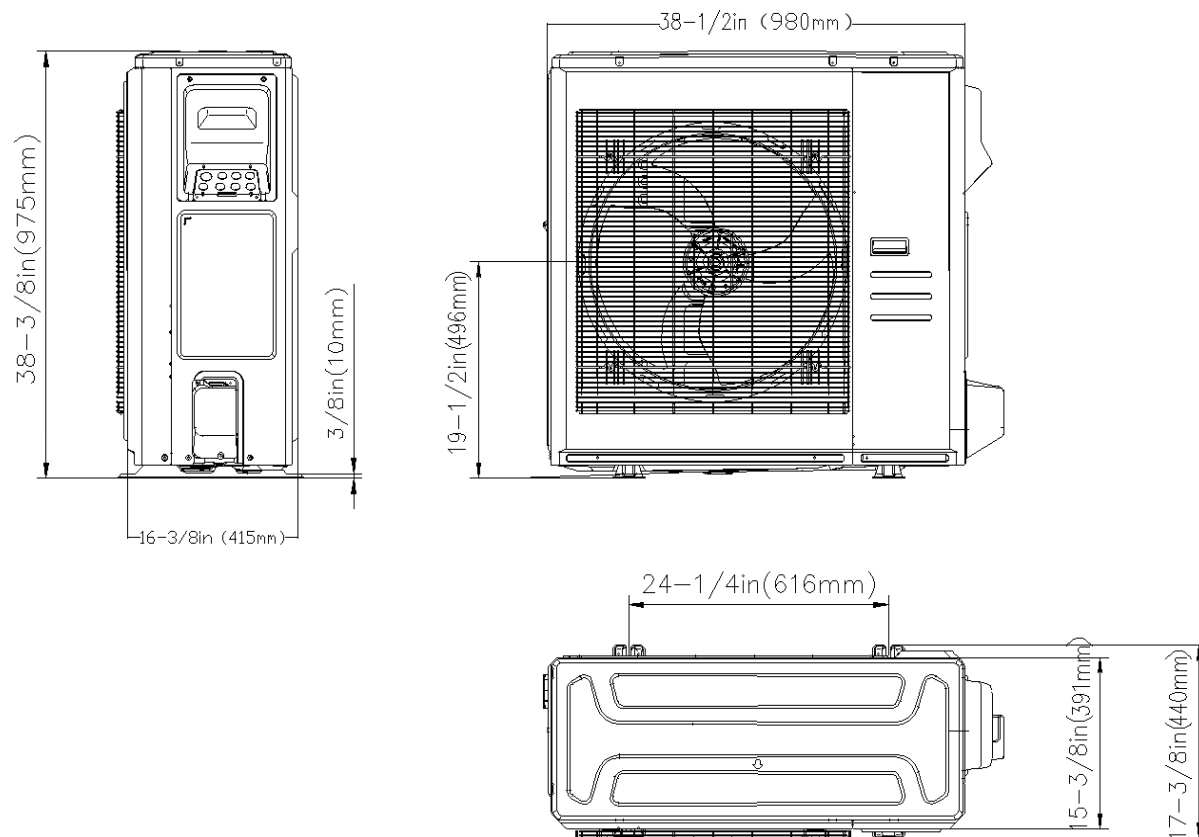
Installation Instructions



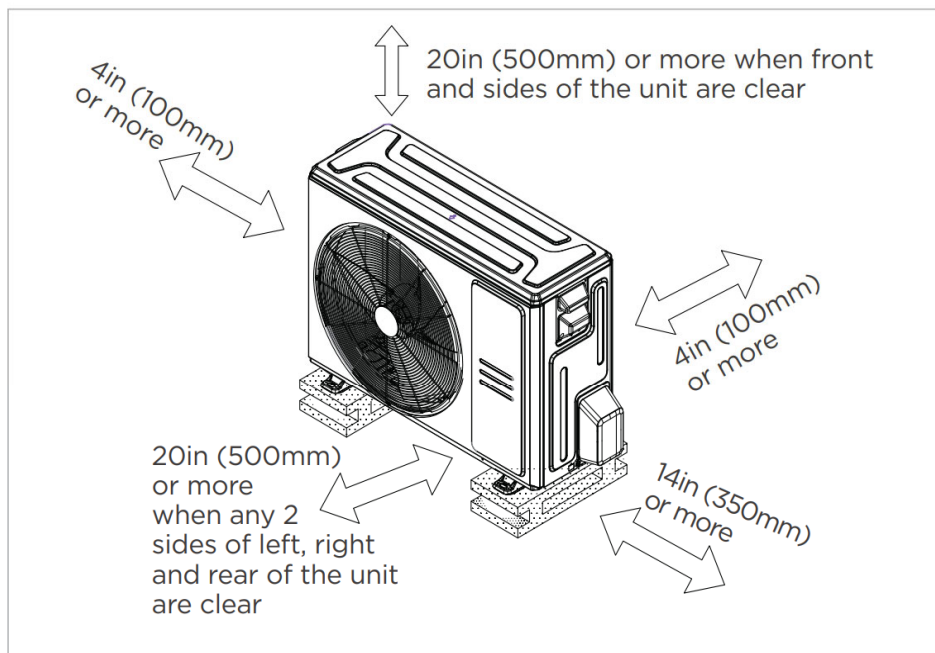
Distance from ceiling relative to height of indoor unit

MODEL	Length of A	Length of H	Length of B
9K/12K/18K	9.6in (245mm)	>10.8 in (275mm)	23.6in (600mm)
24K	8.03in (205mm)	9.06in (230mm)	
36K	9.65in (245mm)	10.7in (271mm)	35.4in (900mm)
48K	11.3in (287mm)	12.3in (313mm)	

Outdoor Unit Dimensions



Installation Instructions



Meets all spatial requirements shown in Installation Clearance Requirements above.

Features

- 360° Air Flow
- Remote on-off and alarm ports
- Refrigerant leakage detection sensor (Optional)
- Humidity sensor
- Built-in pump
- 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.