



Submittal Data Sheet

Indoor Unit Model#: ACiQ-18CC-HH-MC
Outdoor Unit Model#: ACiQ-18ZS-HP230C

18K R454B Ceiling Cassette (4-Way) & 18K Std. Heat Single-Zone Condenser System

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

System Product Code: 810175554969
Indoor Unit Product Code: 810175551135
Outdoor Unit Product Code: 810175550244









INDOOR UNIT SPECIFICATIONS		
Indoor Air Flow (Turbo/Hi/Med/Lo/Si) (CFM)		447.3 / 388.5 / 317.8 / 194.2 / 147.2
Indoor Noise Level (Turbo/Hi/Med/Lo/Si) (dBA)		48 / 44 / 41 / 28.5 / 24.5
Dimension (WxDxH)	inch	22.44 x 22.44 x 9.65
	mm	570.0 x 570.0 x 245.0
Package (WxDxH)	inch	28.15 x 25.20 x 11.61
	mm	715 x 640 x 295
Net/Gross Weight	lbs	35.27 / 41.89
	kg	16.0 / 19.0

OUTDOOR UNIT SPECIFICATIONS		
Compressor Type		ROTARY
Compressor Model		KSN140D58UFZ
Refrigerant Type		R454B
Refrigerant Oil Charge (mL)		440
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1765.8
Outdoor Noise Level (dBA)		57.5
Dimension (WxDxH)	inch	35.04 x 13.46 x 26.50
	mm	890.0 x 342.0 x 673.0
Package (WxDxH)	inch	39.17 x 15.67 x 29.13
	mm	995 x 398 x 740
Net/Gross Weight	lbs	92.59 / 100.31
	kg	42.0 / 45.5

EFFICIENCY RATINGS			
Cooling		Heating	
SEER2	20.7	HSPF2-4	11.4
EER2	12.5	COP	3.36

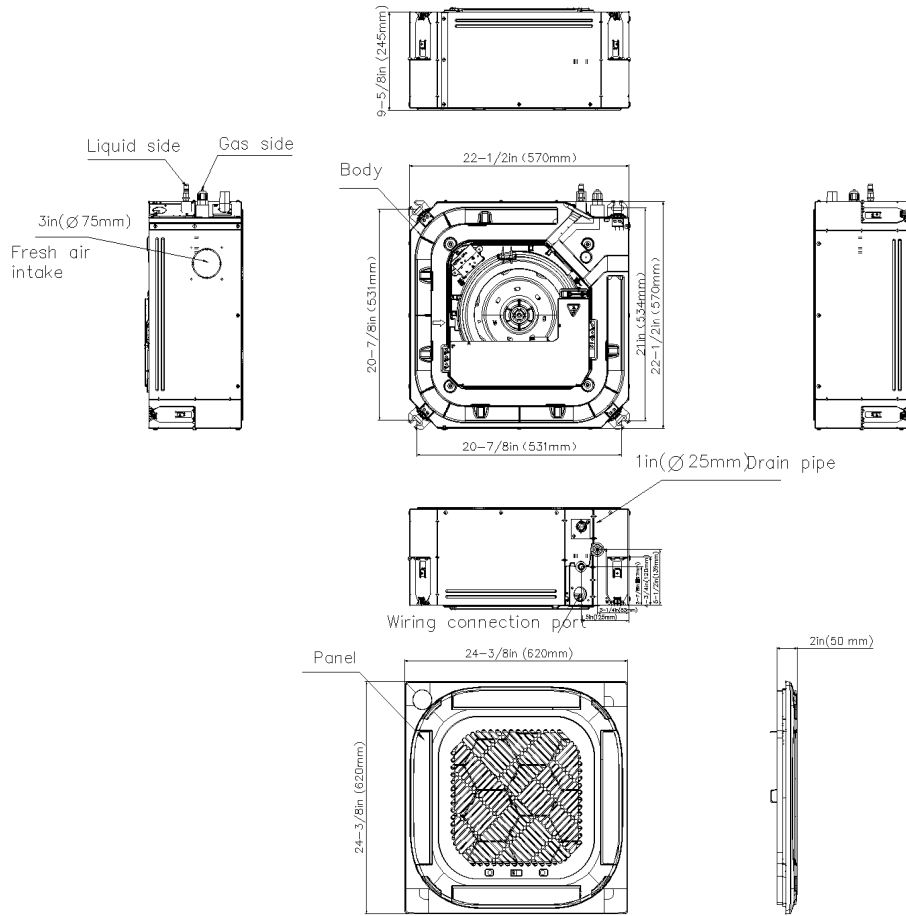
COOLING PERFORMANCE	
Cooling (Btu/hr)	
Rated Capacity	16800
Min/Max Capacity	5300 ~ 17800
Moisture Removal (L/h)	2.05
Standard Operating Range (°F/°C)	-13°F ~ 122°F (-25°C ~ 50°C)
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

HEATING PERFORMANCE	
Heating (Btu/hr)	
1. @ 47°F Rated	18000
1. @ 47°F Min/Max Capacity	7100 ~ 21500
2. @ 17°F Rated	13900
3. @ 5°F Rated: Capacity / COP	12800 / 2.20
3. @ 5°F Max: Capacity	12800
Standard Operating Range (°F/°C)	-13°F ~ 75°F (-25°C ~ 24°C)
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

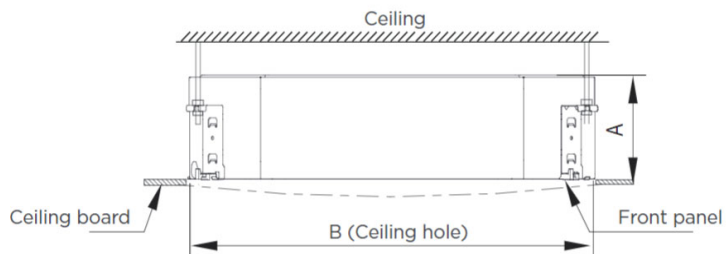
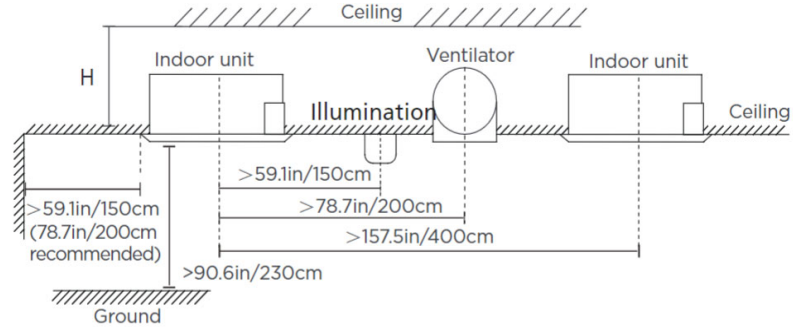
ELECTRICAL SPECIFICATIONS	
Power Supply	208/230V, 60Hz, 1Ph
System MCA	18.00
Connection Wiring	14#x4
System MOP	20
Compressor RLA	10.0
Outdoor Fan Motor RLA	0.9
Outdoor Fan Motor W	80
Indoor Fan Motor RLA	1.0
Indoor Fan Motor W	45
System Power Input @ Cooling (W)	1344 (490 ~ 1620)
System Power Input @ Heating (W)	1570 (395 ~ 1930)
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	6.35mm (1/4in)	
Gas Size	12.7mm (1/2in)	
Max. Piping Length (ft/m)	98.40 (30)	
Max. Height Difference (ft/m)	65.60 (20)	
Max. Pre-charged Length (ft/m)	24.6 (7.5)	
Refrigerant Pre-charged Amount (oz/kg)	47.97 (1.36)	
Additional Charge of Refrigerant ((oz/ft)/(g/m))	0.16 (15)	
Connection Method	Flared	

Indoor Unit Dimensions



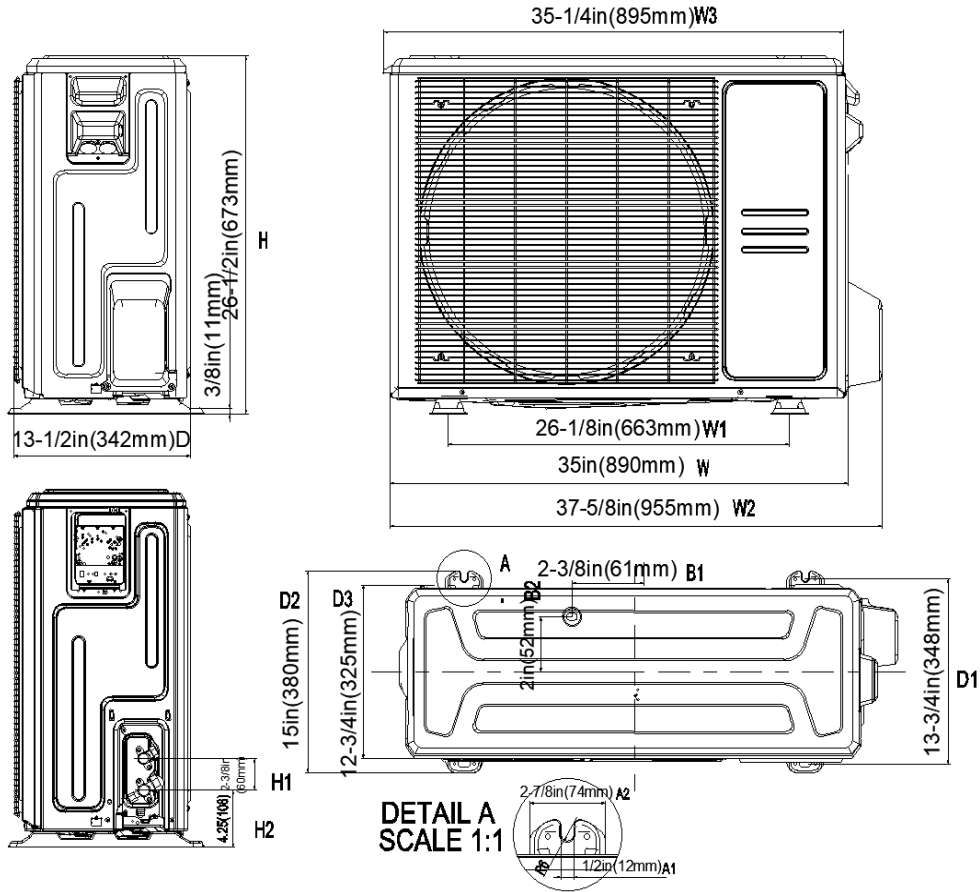
Installation Instructions



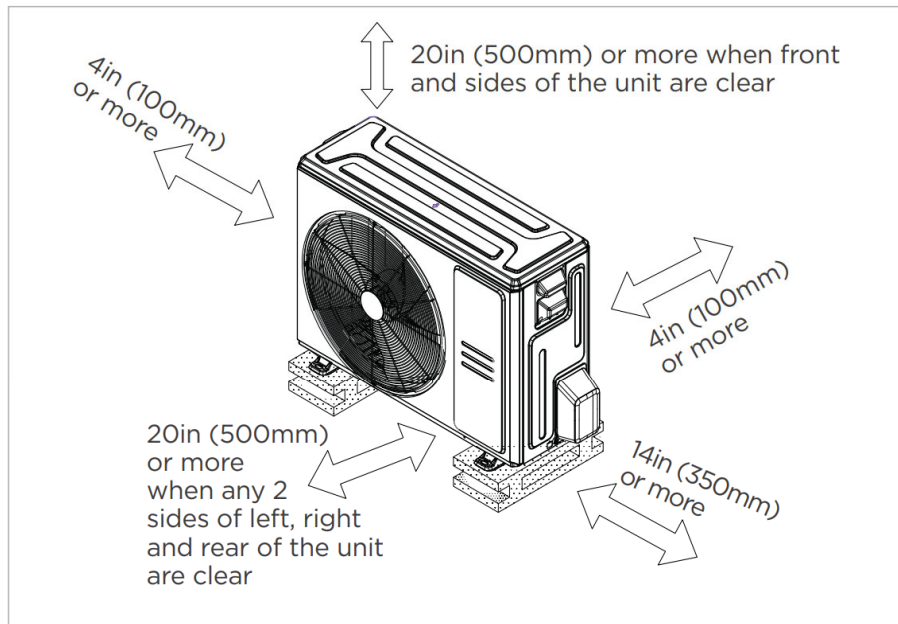
Distance from ceiling relative to height of indoor unit

MODEL	Length of A	Length of H	Length of B
9K/12K/18K	9.6in (245mm)	>10.8in (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.

- 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.