



# Submittal Data Sheet

Indoor Unit Model#: ACiQ-09FM-HH-MD  
 Outdoor Unit Model#: ACiQ-09ZS-HP230C

## 9K R454B Console Air Handler & 9k Std. Heat Single-Zone Condenser

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



INDOOR UNIT SPECIFICATIONS		
Indoor Air Flow (Turbo/Hi/Med/Lo/Si) (CFM)		441.4 / 376.7 / 323.7 / 188.4 / 129.5
Indoor Noise Level (Turbo/Hi/Med/Lo/Si) (dBA)		42 / 39 / 34.5 / 29.5 / 19.5
Dimension (WxDxH)	inch	31.26 x 7.87 x 24.45
	mm	794.0 x 200.0 x 621.0
Package (WxDxH)	inch	34.06 x 11.02 x 28.31
	mm	865 x 280 x 719
Net/Gross Weight	lbs	32.85 / 41.89
	kg	14.9 / 19

OUTDOOR UNIT SPECIFICATIONS		
Compressor Type		ROTARY
Compressor Model		KSK103D33UEZ3
Refrigerant Type		R454B
Refrigerant Oil Charge (mL)		310
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1236.1
Outdoor Noise Level (dBA)		54.5
Dimension (WxDxH)	inch	30.12 x 11.93 x 21.85
	mm	765.0 x 303.0 x 555.0
Package (WxDxH)	inch	34.92 x 13.27 x 24.02
	mm	887 x 337 x 610
Net/Gross Weight	lbs	62.17 / 67.68
	kg	28.2 / 30.7

EFFICIENCY RATINGS			
Cooling		Heating	
SEER2	26.0	HSPF2-4	13.9
EER2	16.2	COP	4.35

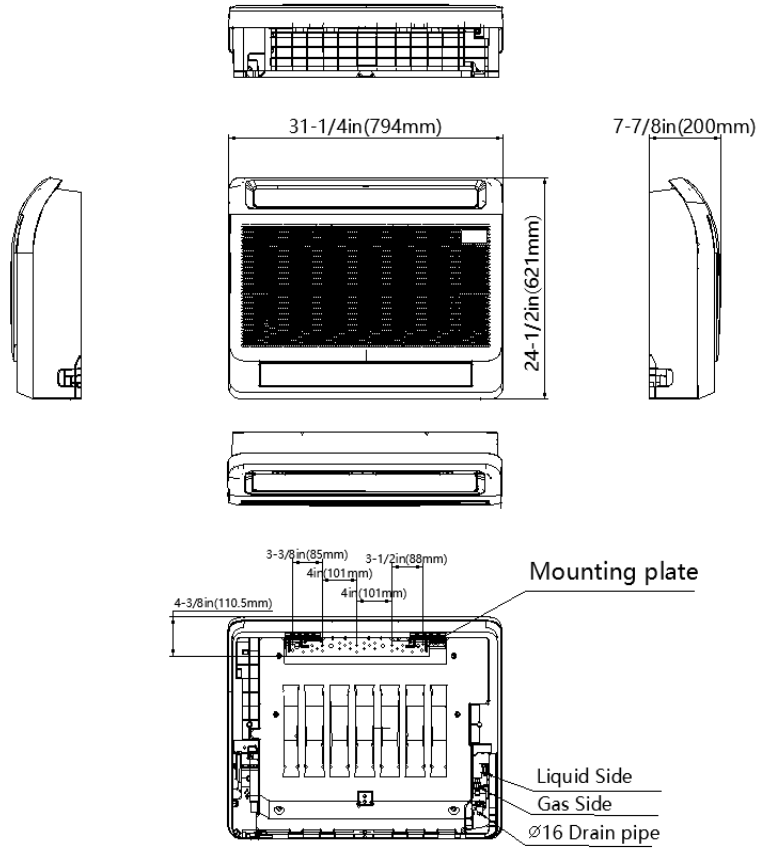
COOLING PERFORMANCE	
Cooling (Btu/hr)	
Rated Capacity	9000
Min/Max Capacity	4000 ~ 12900
Moisture Removal (L/h)	0.50
Standard Operating Range (°F/°C)	-13°F ~ 122°F (-25°C ~ 50°C)
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

HEATING PERFORMANCE	
Heating (Btu/hr)	
1. @ 47°F Rated	9000
1. @ 47°F Min/Max Capacity	4400~16100
2. @ 17°F Rated	9800
3. @ 5°F Rated: Capacity / COP	11300 / 1.84
3. @ 5°F Max: Capacity	11300
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

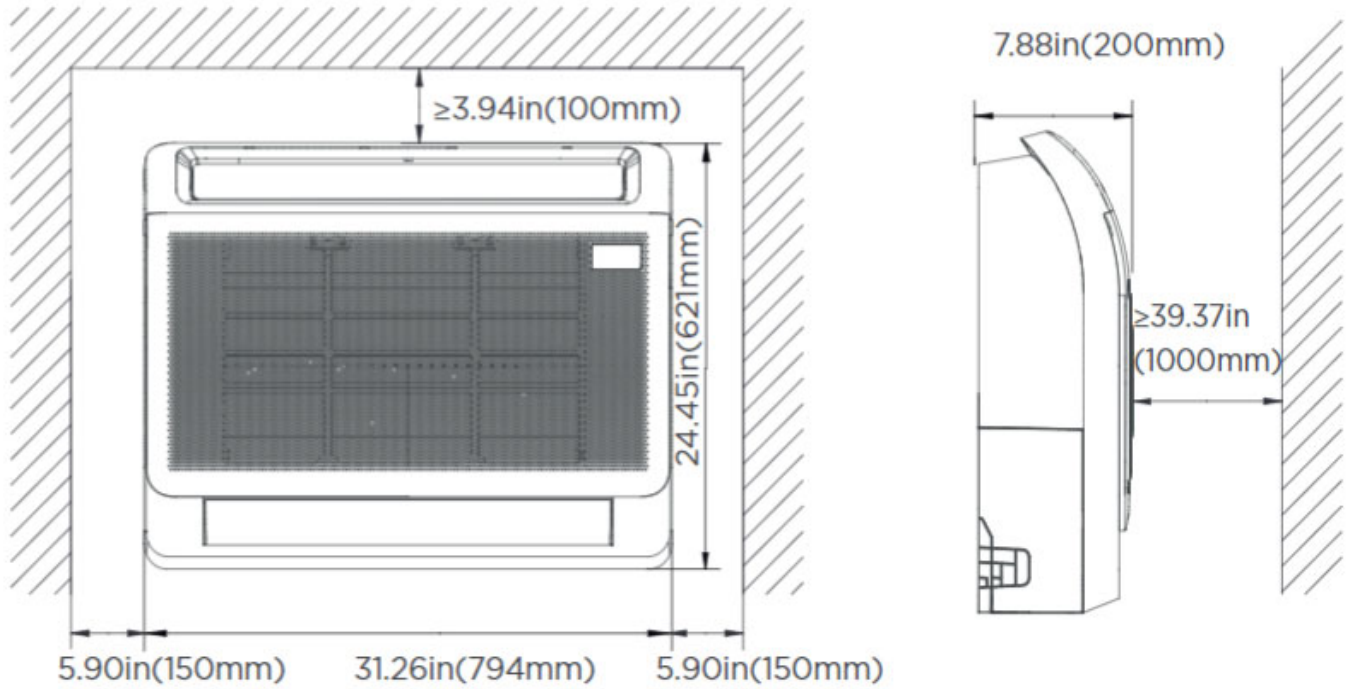
ELECTRICAL SPECIFICATIONS	
Power Supply	208/230V, 60Hz, 1Ph
System MCA	12.00
Connection Wiring	14#x4
System MOP	15
Compressor RLA	7.3
Outdoor Fan Motor RLA	0.6
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	0.5
Indoor Fan Motor W	13
System Power Input @ Cooling (W)	552 (200 ~ 980)
System Power Input @ Heating (W)	606 (265 ~ 1100)
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)	82.00 (25)
Max. Height Difference (ft/m)	49.20 (15)
Max. Pre-charged Length (ft/m)	24.6 (7.5)
Refrigerant Pre-charged Amount (oz/kg)	32.45 (0.92)
Additional Charge of Refrigerant ((oz/ft)/(g/m))	0.16 (15)
Connection Method	Flared

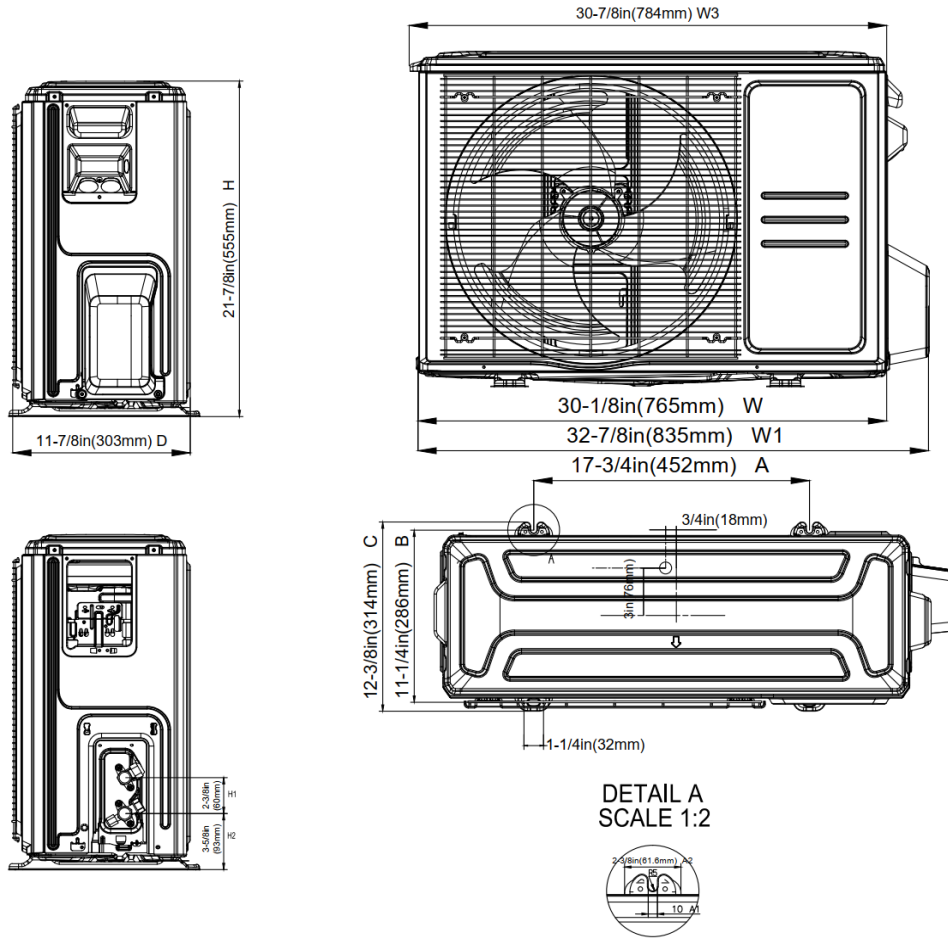
### Indoor Unit Dimensions



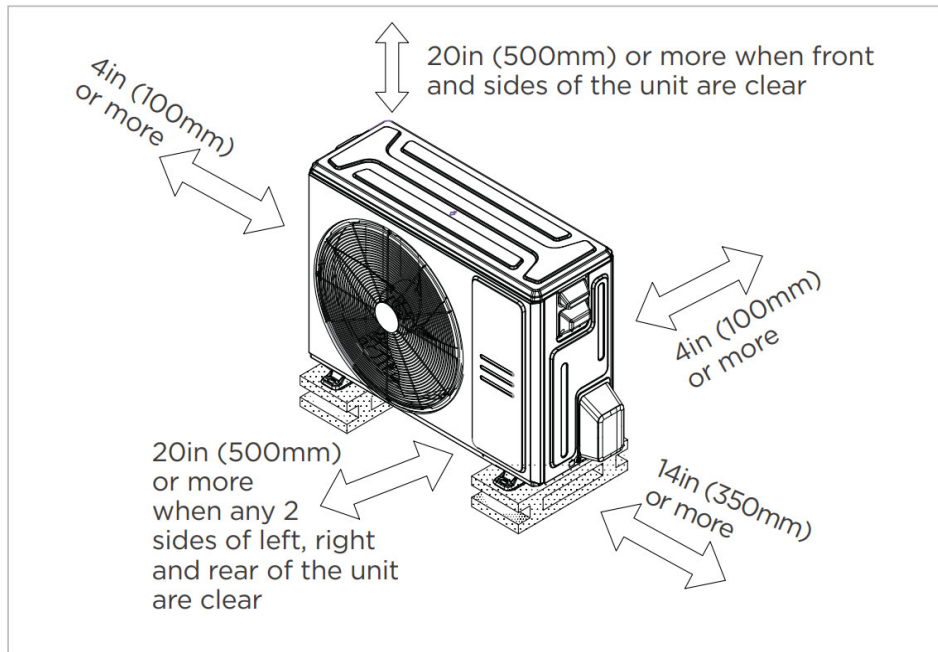
### Indoor Unit Installation Instructions



### Outdoor Unit Dimensions



### Outdoor Unit Installation Instructions



Meets all spatial requirements shown in Installation Clearance Requirements above.

## Features

- Compact Design
- Dual Air Outlets
- Refrigerant leakage detection sensor
- Humidity sensor
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle or wired controller with built-in WiFi
- OTA (by using WiFi dongle)
- 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.