



Submittal Data Sheet

Indoor Unit Model#: ACiQ-12FM-HH-MD

Outdoor Unit Model#: ACiQ-12ZPL-HP230C

12K Console Heat Pump System

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



EFFICIENCY RATINGS			
Cooling		Heating	
SEER2	25.0	HSPF2-4	10.5
EER2	12.5	COP	3.88

COOLING PERFORMANCE	
Cooling (Btu/hr)	
Rated Capacity	12000
Min/Max Capacity	3700-14000
Moisture Removal (L/h)	1.48
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	12000
1. @ 47°F Min/Max Capacity	4400-16100
2. @ 17°F Rated	9800
3. @ 5°F Rated: Capacity / COP	11300 / 1.88
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

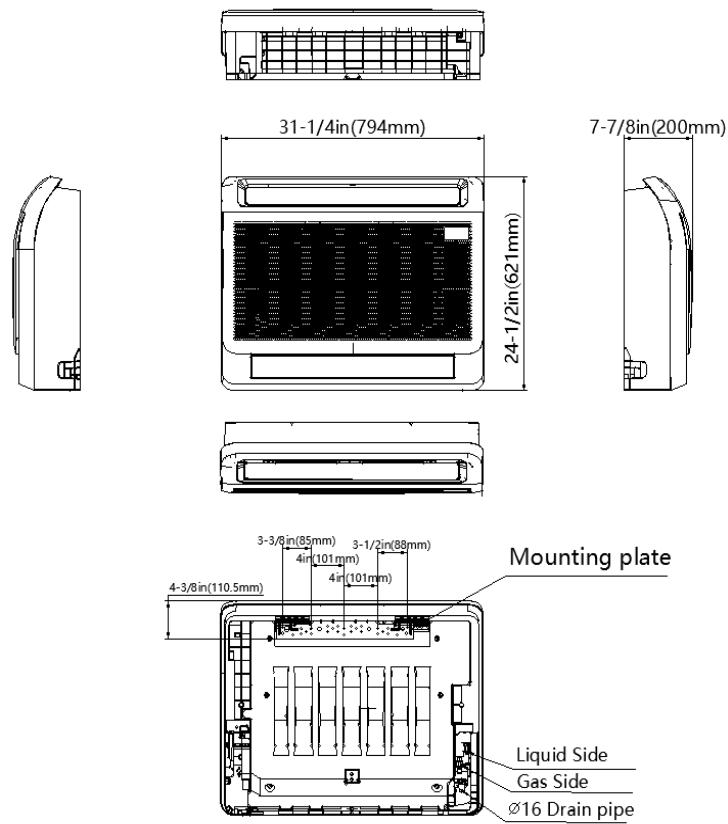
INDOOR UNIT SPECIFICATIONS		
Indoor Air Flow (Turbo/H/M/L/Si) (CFM)	441.4 / 376.7 / 323.7 / 188.4 / 129.5	
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	44 / 40.5 / 37.0 / 26.5 / 24.0	
Dimension (WxDxH)	inch	31.26 x 7.87 x 24.45
	mm	794.0 x 200.0 x 621.0
Package (WxDxH)	inch	34.06 x 11.02 x 28.31
	mm	865 x 280 x 719
Net/Gross Weight	lbs	32.85 / 41.89
	kg	14.9 / 19

OUTDOOR UNIT SPECIFICATIONS		
Compressor Type	ROTARY	
Compressor Model	KTN110D42UFZ	
Refrigerant	R454B	
Refrigerant Oil Charge (mL)	350	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	1471.5	
Outdoor Noise Level (dBA)	55.5	
Dimension (WxDxH)	inch	31.69 x 12.99 x 21.81
	mm	805.0 x 330.0 x 554.0
Package (WxDxH)	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

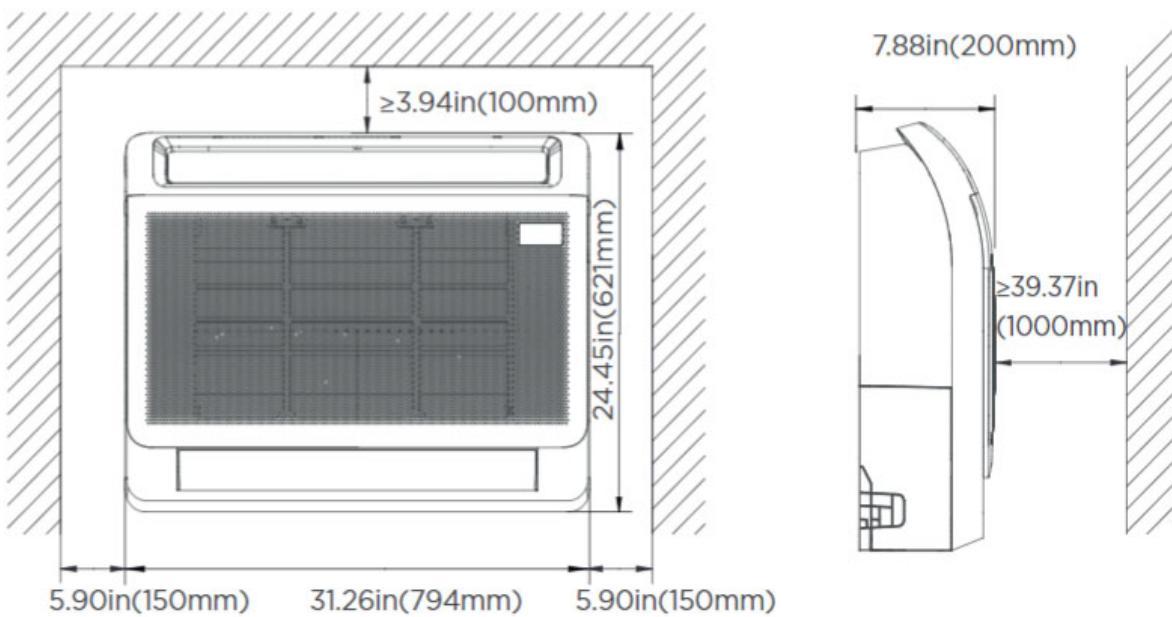
ELECTRICAL SPECIFICATIONS	
Power Supply	208/230V,60Hz,1Ph
System MCA	15.00
Connection Wiring	14#x4
System MOP	15
Compressor RLA	11.6
Outdoor Fan Motor RLA	0.5
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	0.5
Indoor Fan Motor W	13
System Power Input @ Cooling (W)	945 (190 ~ 1150)
System Power Input @ Heating (W)	906 (260 ~ 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)	82.00 (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)	35.27 (1.00)
Additional Charge of Refrigerant ((oz/ft)/(g/m))	0.16 (15)
Connection Method	Flared

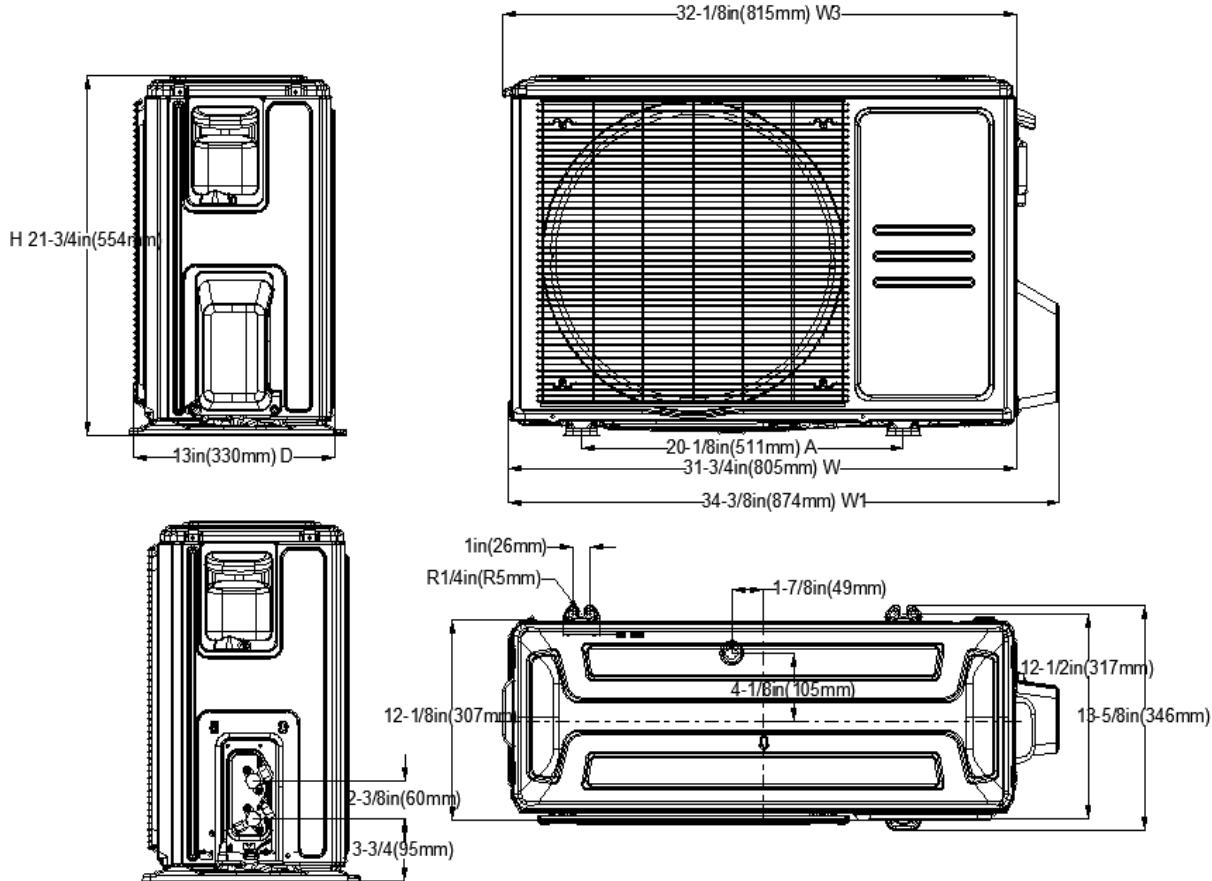
Indoor Unit Dimensions



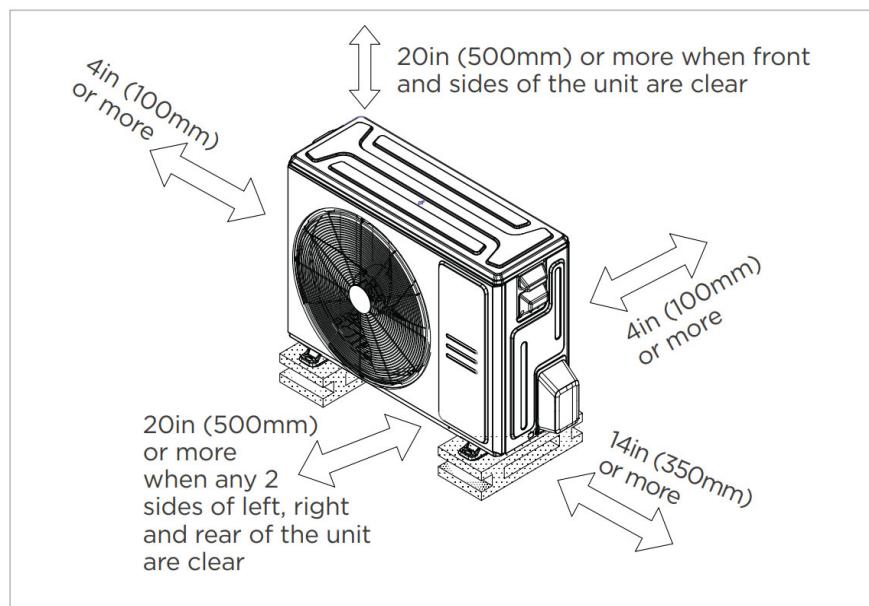
Indoor Unit Installation Instructions



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.