



# Submittal Data Sheet

Indoor Unit Model#: ACiQ-30W-HP230C  
Outdoor Unit Model#: ACiQ-30Z-HP230C

## 30K (230V) Standard Heat Single-Zone Heat Pump System

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

System Product Code: 810175550282  
Indoor Unit Product Code: 810175550299  
Outdoor Unit Product Code: 810175550305



### EFFICIENCY RATINGS

Cooling		Heating	
SEER2	20.0	HSPF2-4	9.2
EER2	11.0	COP	3.03

### COOLING PERFORMANCE

Cooling (Btu/hr)	
Rated Capacity	30000
Min./Max. Capacity	6200~33700
Moisture Removal (L/h)	3.6
Standard Operating Range (°F/°C)	-13~122 (-25~50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB
	Outdoor: 95°F DB/75°F WB

### HEATING PERFORMANCE

Heating (Btu/hr)	
1. @ 47°F Rated	30000
1. @ 47°F Min./Max. Capacity	11800~30900
2. @ 17°F Rated	19000
3. @ 5°F Rated: Capacity / COP	19700 / 1.88
3. @ 5°F Max: Capacity	19700
Standard Operating Range (°F/°C)	-13~75 (-25~24)
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)		853.5 / 732.8 / 470.9 / 353.2 / NA
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		57.0 / 51 / 44.5 / 34 / 27
Dimension (W×D×H)	inch	49.57 x 11.10 x 14.25
	mm	1259.0 x 282.0 x 362.0
Package (W×D×H)	inch	52.76 x 17.72 x 15.16
	mm	1340 x 450 x 385
Net/Gross Weight	lbs	54.01 / 40.34
	kg	24.5 / 18.3

### OUTDOOR UNIT SPECIFICATIONS

Compressor Type		ROTARY
Compressor Model		KTF250D22UMT
Refrigerant		R454B
Refrigerant Oil Charge (mL)		670
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		2235.3
Outdoor Noise Level (dBA)		61.5
Dimension (W×D×H)	inch	37.24 x 16.14 x 31.89
	mm	946.0 x 410.0 x 810.0
Package (W×D×H)	inch	42.91 x 19.68 x 34.84
	mm	1090 x 500 x 885
Net/Gross Weight	lbs	142.86 / 154.54
	kg	64.8 / 70.1

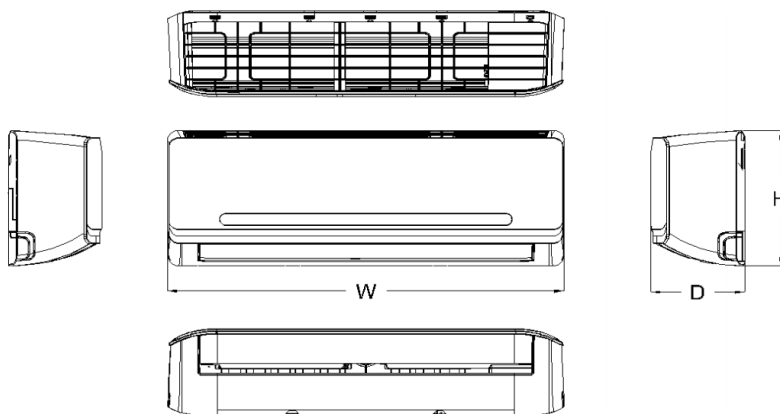
### ELECTRICAL SPECIFICATIONS

Power Supply		208/230V, 60Hz, 1Ph
System MCA		28.0
Connection Wiring		14#x4
System MOP		30
Compressor RLA		17.5
Outdoor Fan Motor RLA		1.3
Outdoor Fan Motor W		120
Indoor Fan Motor RLA		0.7
Indoor Fan Motor W		58
System Power Input @ Cooling (W)		2730 (660 ~ 3200)
System Power Input @ Heating (W)		2900 (675 ~2930)
MCA: Min. circuit amps (A)		MOP: Max. overcurrent protection (A)
RLA: Rated load amps (A)		W: Fan motor rated output (W)

### REFRIGERANT PIPING SPECIFICATIONS

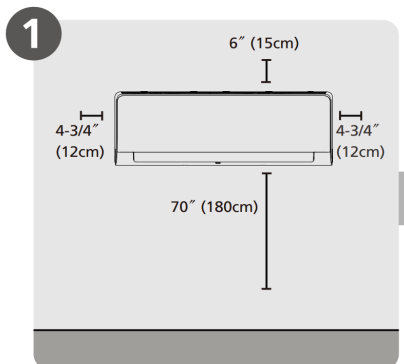
Throttle type (Indoor)		N/A
Throttle type (Outdoor)		EXV+Capillary
Liquid Size		9.52mm (3/8in)
Gas Size		15.9mm (5/8in)
Max. Piping Length (ft/m)		164.00 (50)
Max. Height Difference (ft/m)		82.00 (25)
Max. Pre-charged Length (ft/m)		24.6 (7.5)
Refrigerant Pre-charged Amount (oz/kg)		84.66 (2.4)
Additional Charge of Refrigerant ((oz/ft)/(g/m))		0.32 (30)
Connection Method		Flared

## Indoor Unit Dimensions

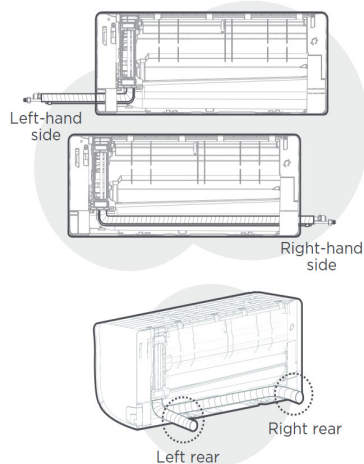


Capacity	Body Code	W(inch/mm)	D(inch/mm)	H(inch/mm)
9k Entry Tier Series	A	28-1/2in /722mm	7-3/8in /187mm	11-3/8in /290mm
9k~12k	B	31-1/2in /802mm	7-1/2in /189mm	11-3/4in /297mm
18k Entry Tier Series	D	38in /965mm	8-1/2in /215mm	12-1/2in /319mm
18k~24k	E	42-1/2in /1080mm	8-7/8in /226mm	13-1/4in /335mm
30k~36k	F	49-1/2in /1259mm	11-1/8in /282mm	14-1/4in /362mm

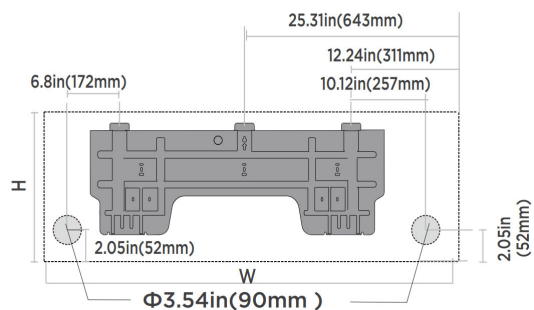
## Indoor Unit Installation Instructions



**Select Installation Location**



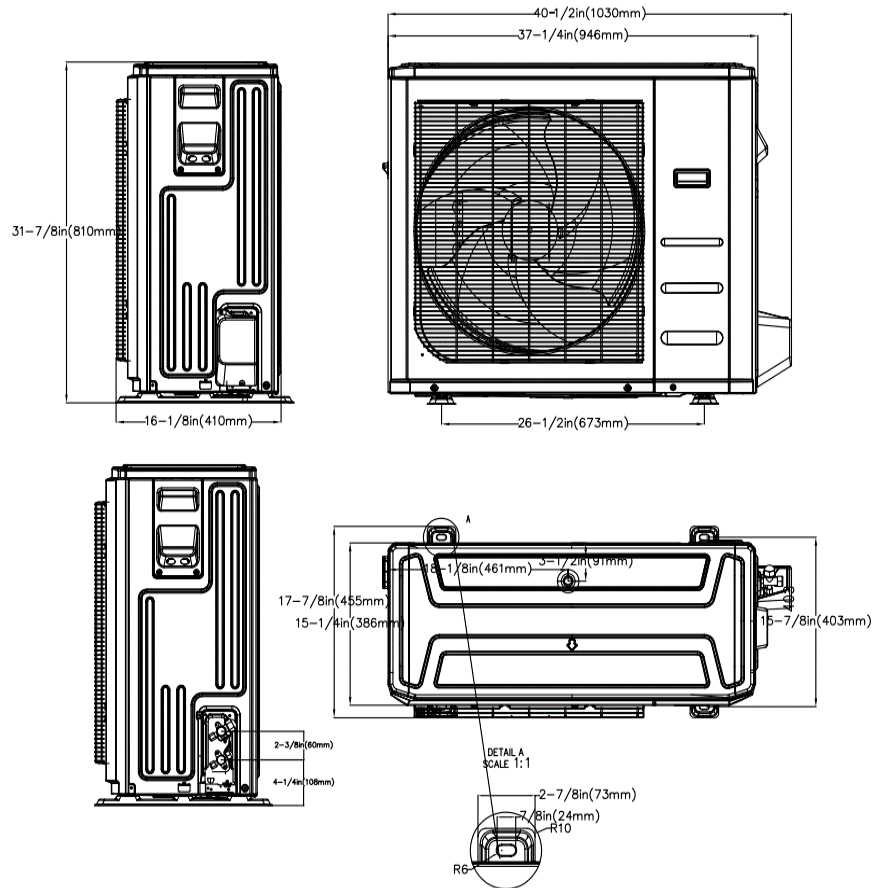
**NOTE:**  
Based on the position of the wall hole relative to the mounting plate, choose the side from which the piping will exit the unit. You have four options for the exit direction of the piping.



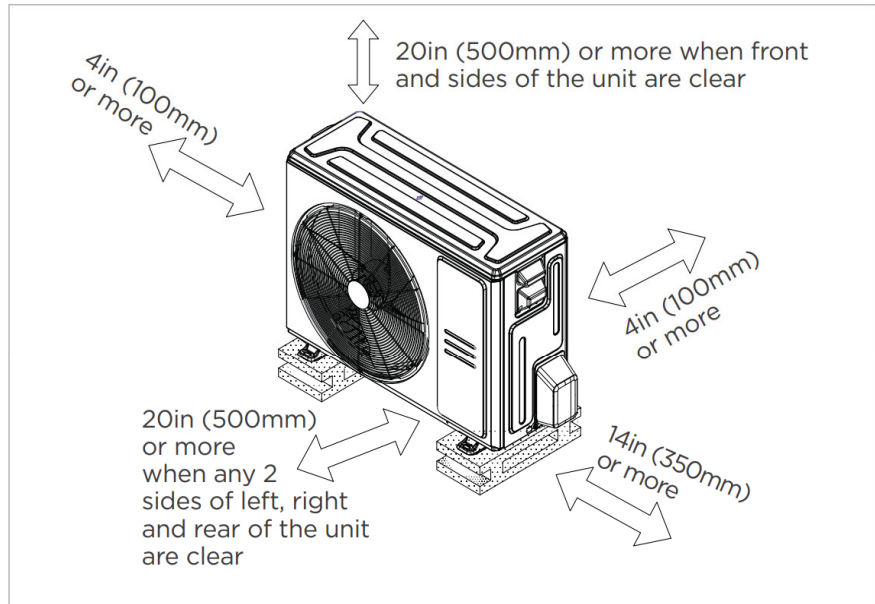
**Indoor unit dimensions(WxH):**  
49.57in(1259mm)x14.25in(362mm)

**NOTE:**  
When the gas side connective pipe is  $\Phi$  (5/8in)16mm or more, the wall hole should be (3-1/2in)90mm.

### Outdoor Unit Dimensions



### Outdoor Unit Installation Instructions



☒ Meets all spatial requirements shown in Installation Clearance Requirements above.

## Features

- Indoor unit TU1 copper coil
- Humidity control
- 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.