



Submittal Data Sheet

Indoor Unit Model#: ACiQ-36W-HP230C
Outdoor Unit Model#: ACiQ-36Z-HP230C

36K (230V) Standard Heat Single-Zone Heat Pump System

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

System Product Code: 810175550312
Indoor Unit Product Code: 810175550329
Outdoor Unit Product Code: 810175550336



EFFICIENCY RATINGS

Cooling		Heating	
SEER2	18.0	HSPF2-4	8.5
EER2	9.0	COP	2.82

COOLING PERFORMANCE

Cooling (Btu/hr)	
Rated Capacity	36000
Min./Max. Capacity	2900~36200
Moisture Removal (L/h)	4.9
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	36000
1. @ 47°F Min./Max. Capacity	3600~36600
2. @ 17°F Rated	24600
3. @ 5°F Rated: Capacity / COP	21400 / 1.80
3. @ 5°F Max: Capacity	21400
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)		882.9 / 732.8 / 518.0 / 400.2 / NA
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		56.5 / 50.5 / 44.5 / 34 / 28
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	40.34 / 54.01
	kg	18.3 / 24.5

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)		60.5
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	150.35 / 160.27
	kg	68.2 / 72.7

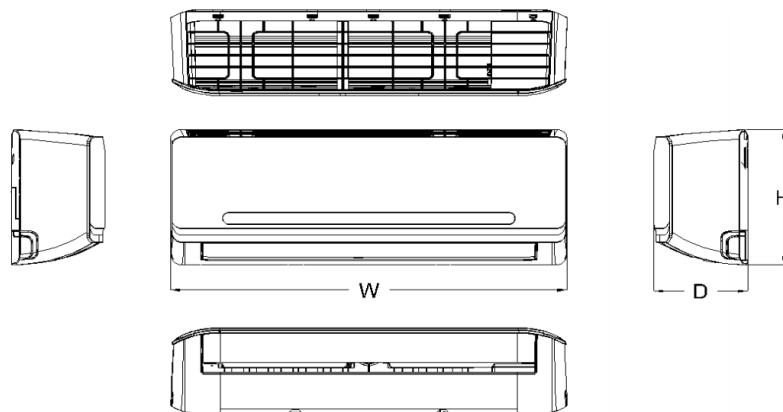
ELECTRICAL SPECIFICATIONS

Power Supply		208/230V, 60Hz, 1Ph
System MCA		33.0
Connection Wiring		14#x4
System MOP		35
Compressor RLA		21.5
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)		4000 (380 ~ 4140)
System Power Input @ Heating (W)		3741 (445 ~3950)
MCA: Min. circuit amps (A)		MOP: Max. overcurrent protection (A)
RLA: Rated load amps (A)		W: Fan motor rated output (W)

REFRIGERANT PIPING SPECIFICATIONS

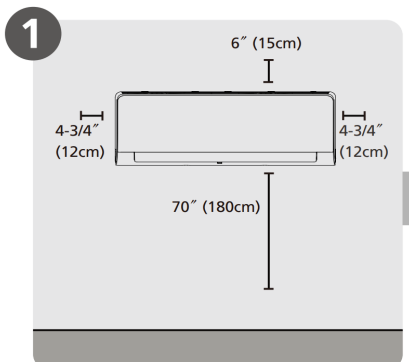
Throttle type (Indoor)		N/A
Throttle type (Outdoor)		EXV+Throttle valve
Liquid Size		9.52mm (3/8in)
Gas Size		15.9mm (5/8in)
Max. Piping Length (ft/m)		213.20 (65)
Max. Height Difference (ft/m)		98.40 (30)
Max. Pre-charged Length (ft/m)		24.6 (7.5)
Refrigerant Pre-charged Amount (oz/kg)		112.88 (3.2)
Additional Charge of Refrigerant ((oz/ft)/(g/m))		0.32 (30)
Connection Method		Flared

Indoor Unit Dimensions

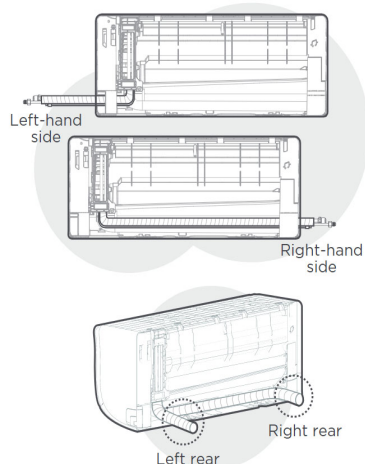


Capacity	Body Code	W(inch/mm)	D(inch/mm)	H(inch/mm)
9k Entry Tier Series	A	28-1/2in /722mm	7-3/8in /187mm	11-3/8in /290mm
9k~12k	B	31-1/2in /802mm	7-1/2in /189mm	11-3/4in /297mm
18k Entry Tier Series	D	38in /965mm	8-1/2in /215mm	12-1/2in /319mm
18k~24k	E	42-1/2in /1080mm	8-7/8in /226mm	13-1/4in /335mm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

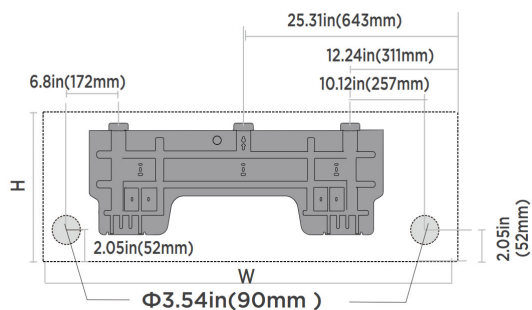
Indoor Unit Installation Instructions



Select Installation Location



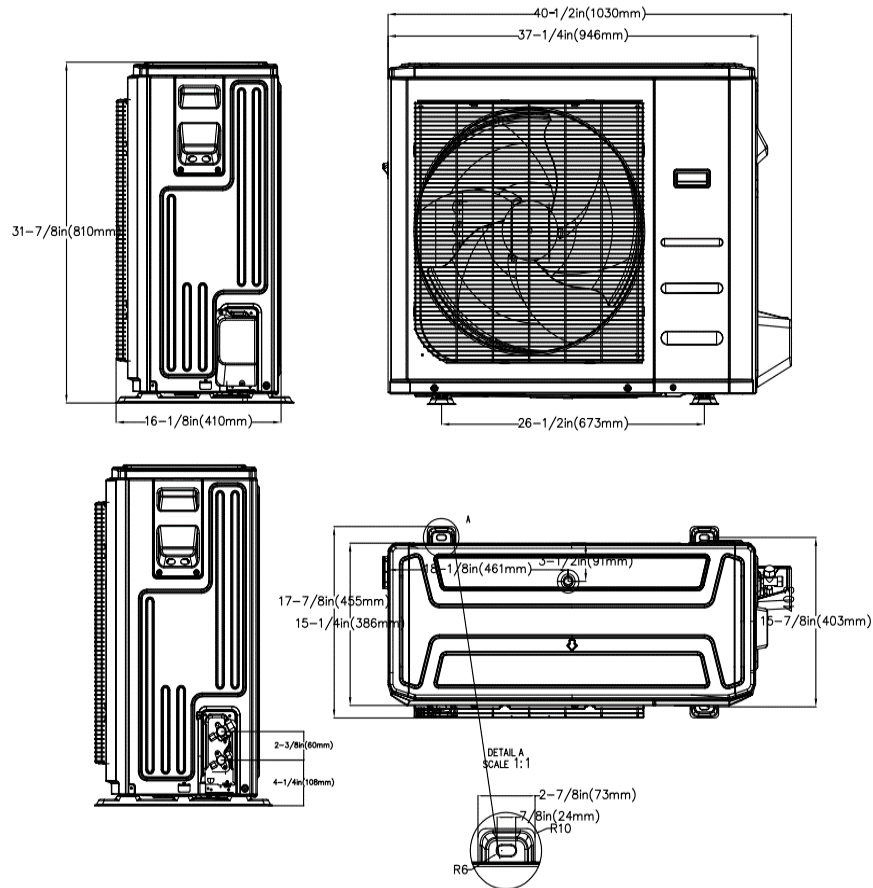
NOTE:
Based on the position of the wall hole relative to the mounting plate, choose the side from which the piping will exit the unit. You have four options for the exit direction of the piping.



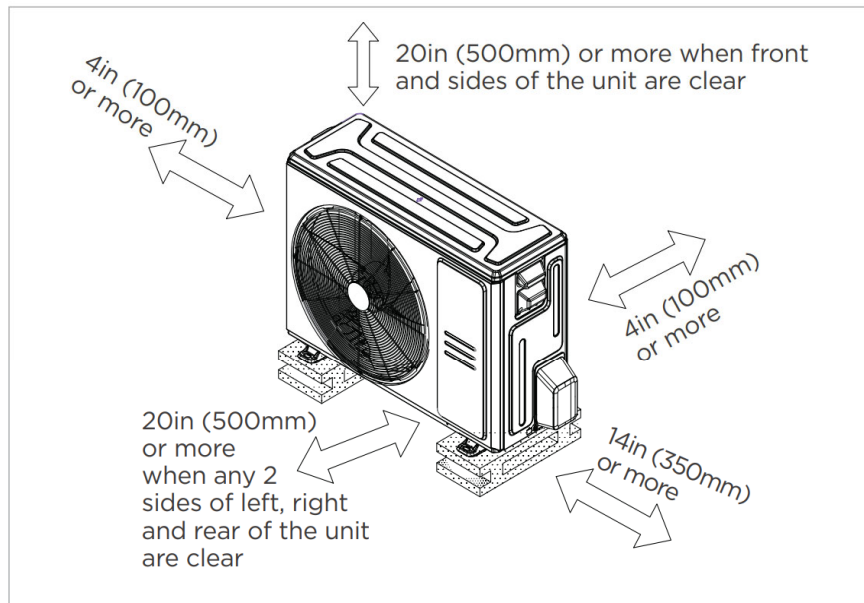
Indoor unit dimensions(WxH):
49.57in(1259mm)x14.25in(362mm)

NOTE:
When the gas side connective pipe is Φ (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.