



# Submittal Data Sheet

Indoor Unit Model#: ACIQ-09W-HH-MD  
Outdoor Unit Model#: ACIQ-09ZPL-HP230C

## Platinum Single Zone Heat Pump with Wall Mounted Air Handler

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

System Product Code: 810175551685  
Indoor Unit Product Code: 810175551364  
Outdoor Unit Product Code: 810175550947



### EFFICIENCY RATINGS

Cooling		Heating	
SEER2	27.4	HSPF2-4	12.5
EER2	15.4	COP	3.76

### COOLING PERFORMANCE

Cooling (Btu/hr)	
Rated Capacity	9000
Min/Max Capacity	3800~13500
Moisture Removal (L/h)	0.3
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	3800~16000
2. @ 17°F Rated	9800
3. @ 5°F Rated: Capacity / COP	11500 / 1.80
3. @ 5°F Max: Capacity	11500
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 / 323.7 / 229.6 / 176.6 / 147.2
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		NA / 38 / 33 / 20.5 / 19.5
Dimension (W×D×H)	inch	33.40 x 9.18 x 11.76
	mm	848.4 x 233.2 x 300
Package (W×D×H)	inch	36.22 x 12.20 x 14.57
	mm	920 x 310 x 370
Net/Gross Weight	lbs	23.37 / 29.98
	kg	10.6 / 13.6

### OUTDOOR UNIT SPECIFICATIONS

Compressor Type		ROTARY
Compressor Model		KTN110D42UFZ
Refrigerant		R454B
Refrigerant Oil Charge (mL)		350
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1470.6
Outdoor Noise Level (dBA)		56.0
Dimension (W×D×H)	inch	31.69 x 12.99 x 21.81
	mm	805.0 x 330.0 x 554.0
Package (W×D×H)	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

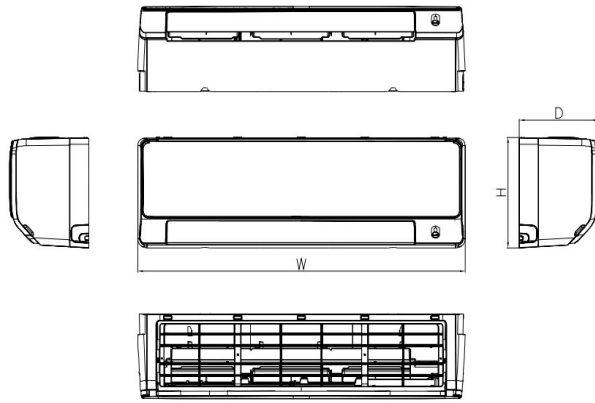
### ELECTRICAL SPECIFICATIONS

Power Supply	208/230V, 60Hz, 1Ph
System MCA	15.0
Connection Wiring	14#x4
System MOP	15
Compressor RLA	10.4
Outdoor Fan Motor RLA	0.6
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	0.5
Indoor Fan Motor W	20
System Power Input @ Cooling (W)	580 (127 ~ 1180)
System Power Input @ Heating (W)	935 (225 ~ 1400)
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/g)	35.27 (1)
Additional Charge of Refrigerant ((oz/ft)/(g/m))	0.16 (15)
Connection Method	Flared

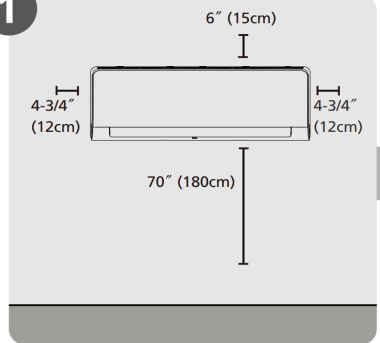
## Indoor Unit Dimensions



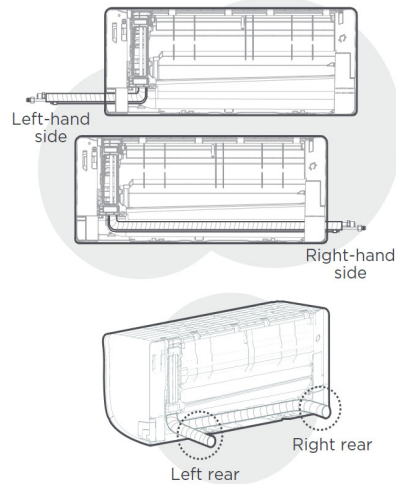
Capacity	Body Code	Unit	W	D	H
6k~12k	B	mm	848	233	300
		inch	33-3/8	9-1/8	11-3/4
18k~24k	C	mm	1017	248	319
		inch	40	9-3/4	12-1/2
24k~36k	D	mm	1190	285	371
		inch	46-7/8	11-1/4	14-5/8

## Indoor Unit Installation Instructions

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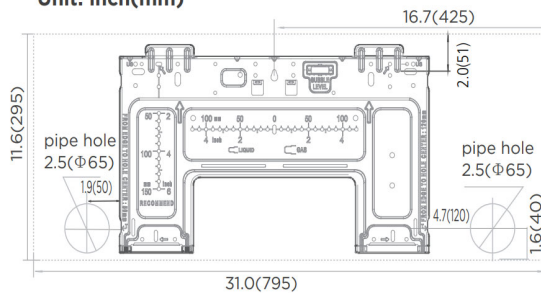
Select Installation Location



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.

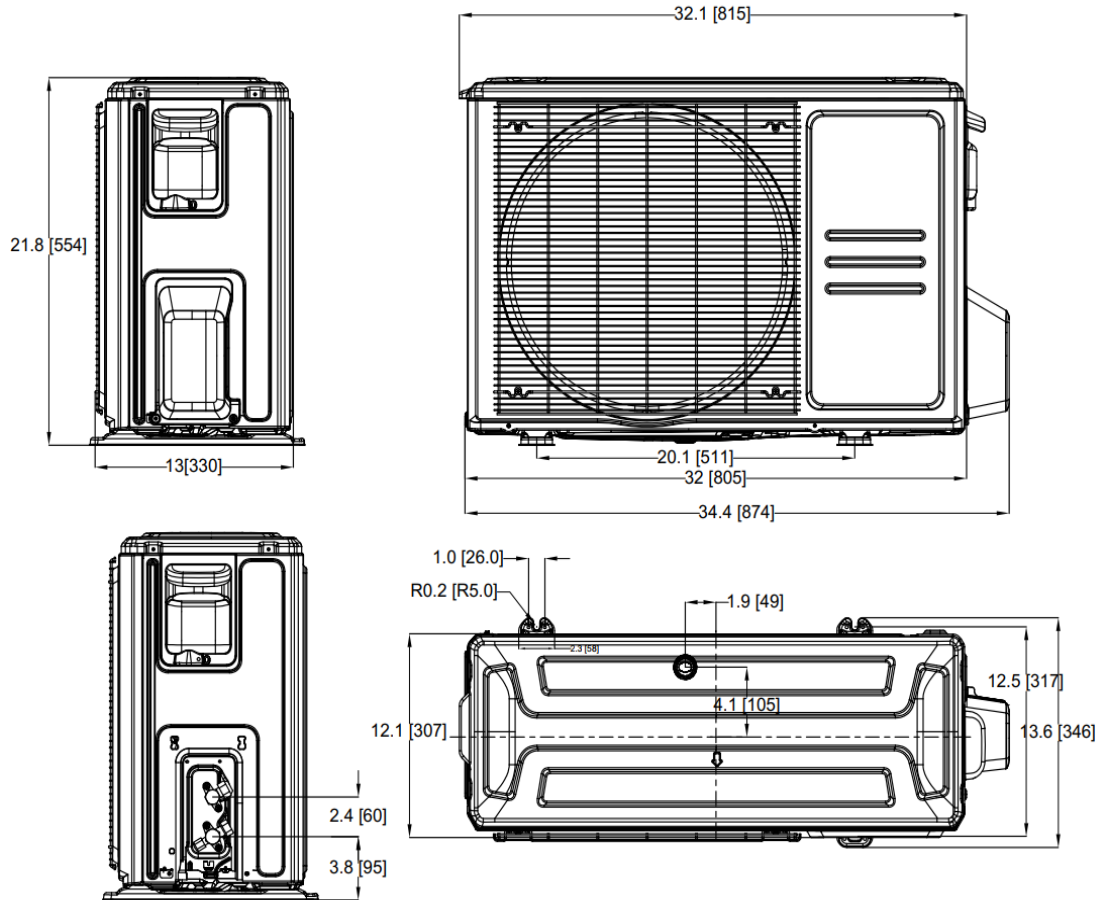
Unit: inch(mm)



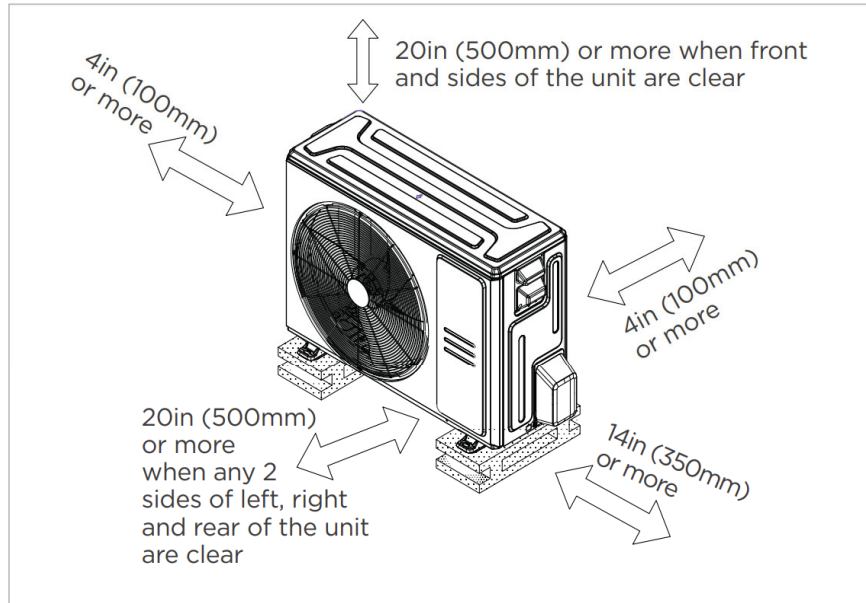
NOTE:

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

- Intelligent eye
- Easy maintenance design
- 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.