



# Submittal Data Sheet

Indoor Unit Model#: ACIQ-24W-HH-MD  
Outdoor Unit Model#: ACIQ-24ZPL-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: 810175551715  
Indoor Unit Product Code: 810175551395  
Outdoor Unit Product Code: 810175550978



### EFFICIENCY RATINGS

Cooling		Heating	
SEER2	21	HSPF2-4	13.5
EER2	13.0	COP	3.42

### COOLING PERFORMANCE

Cooling (Btu/hr)	
Rated Capacity	24000
Min/Max Capacity	12600~27900
Moisture Removal (L/h)	2.7
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	29000
1. @ 47°F Min/Max Capacity	11800~29700
2. @ 17°F Rated	21000
3. @ 5°F Rated: Capacity / COP	24200 / 2.34
3. @ 5°F Max: Capacity	24200
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)		812.3 / 618.0 / 412.0 / 317.8 / NA
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		54.5 / 43.5 / 38.5 / 27 / 16
Dimension (W×D×H)	inch	46.85 x 11.20 x 14.59
	mm	1190 x 285 x 371
Package (W×D×H)	inch	50.39 x 14.17 x 17.91
	mm	1280 x 360 x 455
Net/Gross Weight	lbs	43.65 / 55.56
	kg	19.8 / 25.2

### OUTDOOR UNIT SPECIFICATIONS

Compressor Type		ROTARY
Compressor Model		KTM240D46UKT2
Refrigerant		R454B
Refrigerant Oil Charge (mL)		620
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	130.29 / 141.31
	kg	59.1 / 64.1

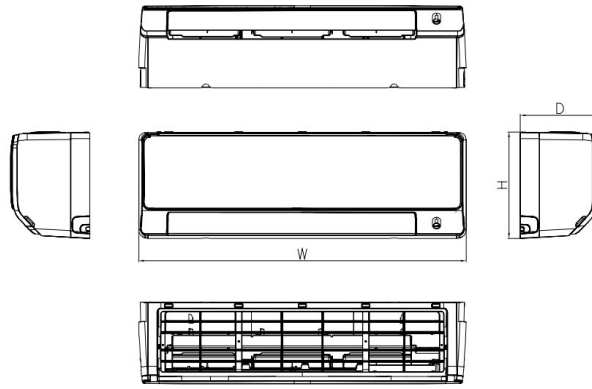
### ELECTRICAL SPECIFICATIONS

Power Supply		208/230V, 60Hz, 1Ph
System MCA		24.9
Connection Wiring		14#x4
System MOP		25
Compressor RLA		15.0
Outdoor Fan Motor RLA		1.3
Outdoor Fan Motor W		120
Indoor Fan Motor RLA		1.3
Indoor Fan Motor W		58
System Power Input @ Cooling (W)		1846 (940 ~ 2280)
System Power Input @ Heating (W)		2485 (675 ~ 2570)
MCA: Min. circuit amps (A)		MOP: Max. over current protection (A)
RLA: Rated load amps (A)		W: Fan motor rated output (W)

### REFRIGERANT PIPING SPECIFICATIONS

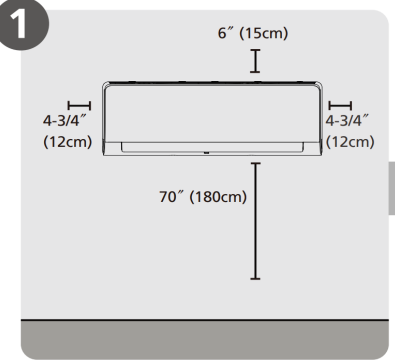
Throttle type (Indoor)		N/A
Throttle type (Outdoor)		EXV+Throttle valve
Liquid Size		9.52mm (3/8in)
Gas Size		15.9mm (5/8in)
Max. Piping Length (ft/m)		164.00 (50)
Max. Height Difference (ft/m)		82.00 (25)
Max. Pre-charged Length (ft/m)		24.6 (7.5)
Refrigerant Pre-charged Amount (oz/g)		63.49 (1.8)
Additional Charge of Refrigerant ((oz/ft)/(g/m))		0.32 (30)
Connection Method		Flared

## Indoor Unit Dimensions

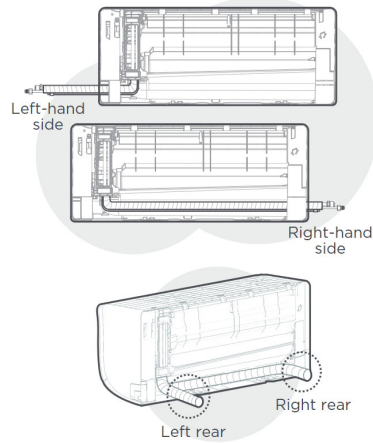


Capacity	Body Code	Unit	W	D	H
6k~12k	B	mm	848	233	300
		inch	33-3/8	9-1/8	11-3/4
18k~24k	C	mm	1017	248	319
		inch	40	9-3/4	12-1/2
24k~36k	D	mm	1190	285	371
		inch	46-7/8	11-1/4	14-5/8

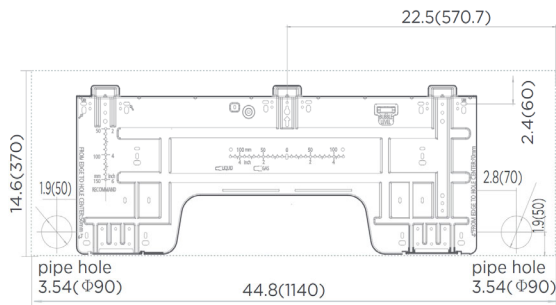
## Indoor Unit Installation Instructions



**Select Installation Location**

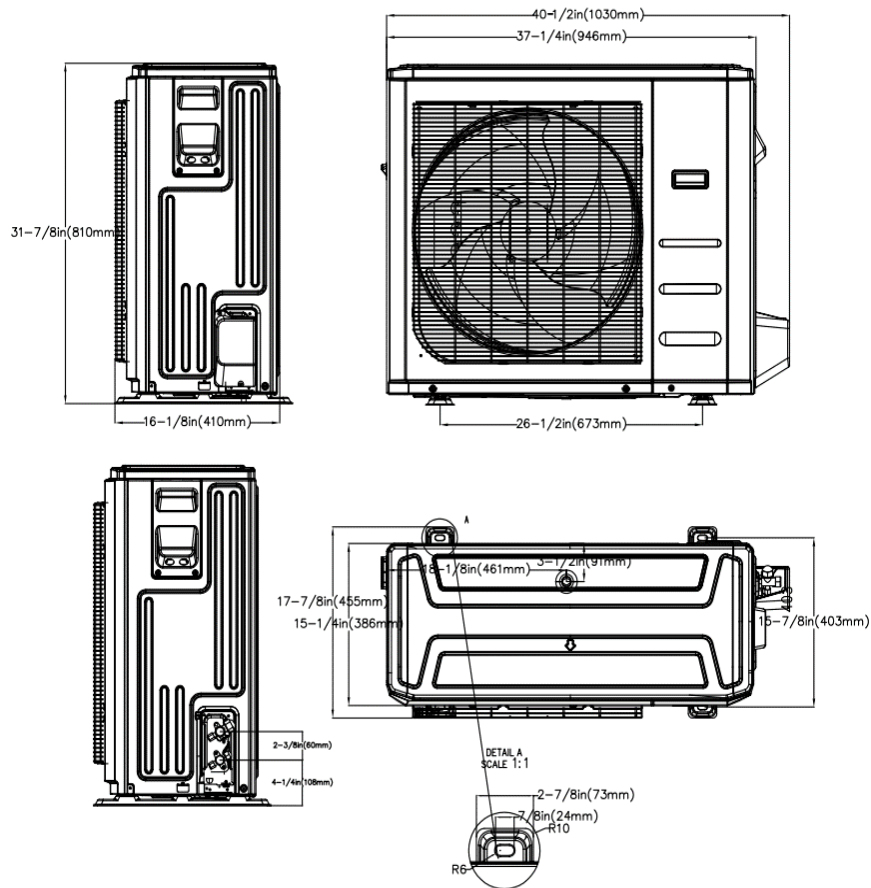


**NOTE:**  
Based on the position of the wall hole relative to the mounting plate, choose the side from which the piping will exit the unit. You have four options for the exit direction of the piping.

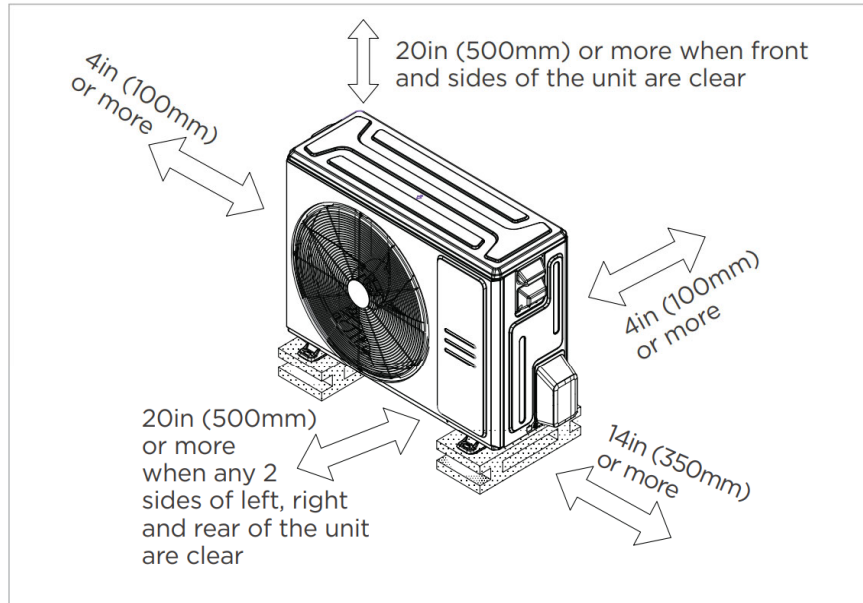


**NOTE:**  
When the gas side connective pipe is  $\Phi$  (5/8in)16mm or more, the wall hole should be (3-1/2in)90mm.

### 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.