



Submittal Data Sheet

Indoor Unit Model#: ACiQ-9W-HP115C

Outdoor Unit Model#: ACiQ-9Z-HP115C

9K (115V) Standard Heat Single-Zone Heat Pump System

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



INDOOR UNIT SPECIFICATIONS

Indoor Air Flow (Turbo/H/M/L/Si) (CFM)		282.5 / 235.4 / 206.0 / 164.8 / 117.7
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		43.0 / 37.5 / 33.5 / 25.0 / 18.0
Dimension (W×D×H)	inch	28.43 x 7.36 x 11.42
	mm	722.0 x 187.0 x 290.0
Package (W×D×H)	inch	31.10 x 10.63 x 14.76
	mm	790 x 270 x 375
Net/Gross Weight	lbs	17.42 / 22.93
	kg	7.9 / 10.4

OUTDOOR UNIT SPECIFICATIONS

Compressor Type		ROTARY
Compressor Model		KSK103D33UEZ3
Refrigerant		R454B
Refrigerant Oil Charge (mL)		310
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1294.1
Outdoor Noise Level (dBA)		52.5
Dimension (W×D×H)	inch	30.12 x 11.93 x 21.85
	mm	765.0 x 303.0 x 555.0
Package (W×D×H)	inch	34.92 x 13.27 x 24.02
	mm	887 x 337 x 610
Net/Gross Weight	lbs	56.66 / 62.17
	kg	25.7 / 28.2

EFFICIENCY RATINGS

Cooling		Heating	
SEER2	21.5	HSPF2-4	9.0
EER2	12.5	COP	3.29

COOLING PERFORMANCE

Cooling (Btu/hr)	
Rated Capacity	9000
Min/Max Capacity	2200 ~ 9900
Moisture Removal (L/h)	1.0
Standard Operating Range (°F/°C)	5 ~ 122 (-15 ~ 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	10000
1. @ 47°F Min./Max. Capacity	4200 ~ 10200
2. @ 17°F Rated	6500
3. @ 5°F Rated: Capacity / COP	6500 / 1.96
3. @ 5°F Max: Capacity	6500
Standard Operating Range (°F/°C)	5 ~ 75 (-15 ~ 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

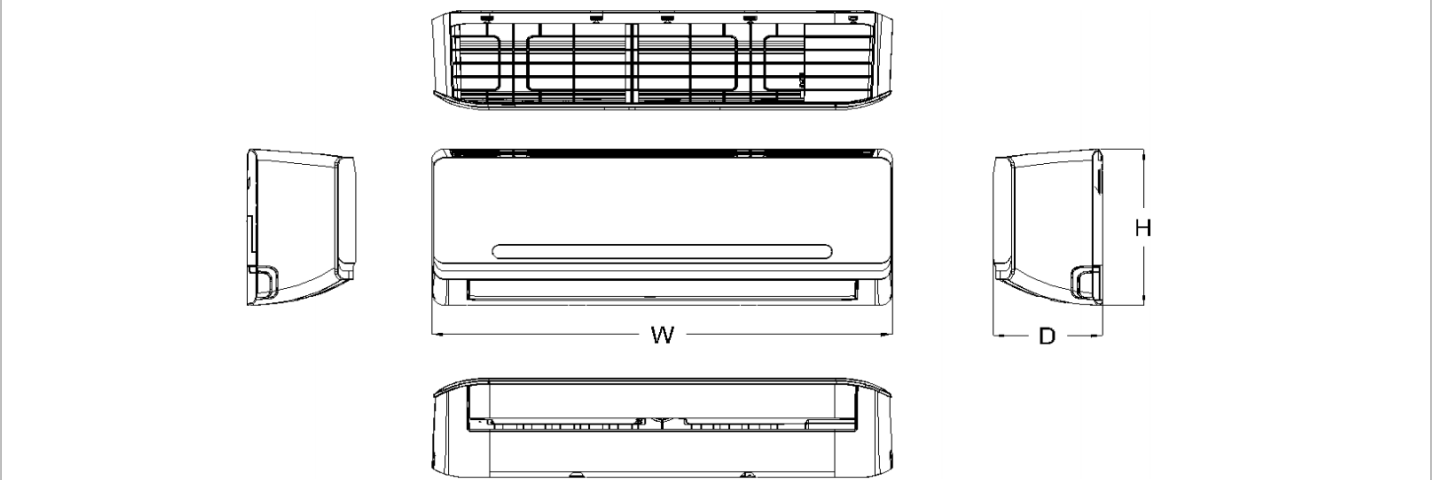
ELECTRICAL SPECIFICATIONS

Power Supply	115V, 60Hz, 1Ph
System MCA	18.0
Connection Wiring	14#x4
System MOCP	20
Compressor RLA	13.5
Outdoor Fan Motor RLA	0.5
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	0.5
Indoor Fan Motor W	20
System Power Input @ Cooling (W)	720 (120 ~ 790)
System Power Input @ Heating (W)	890 (260 ~ 950)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

REFRIGERANT PIPING SPECIFICATIONS

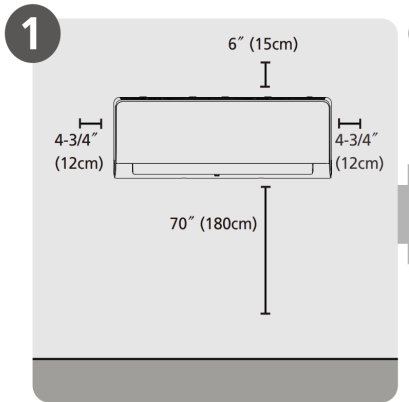
Throttle type (Indoor)	N/A
Throttle type (Outdoor)	Capillary
Liquid Size	6.35mm (1/4in)
Gas Size	9.52mm (3/8in)
Max. Piping Length (ft/m)	82.00 (25)
Max. Height Difference (ft/m)	49.20 (15)
Max. Pre-charged Length (ft/m)	24.6 (7.5)
Refrigerant Pre-charged Amount (oz/kg)	21.52 (0.61)
Additional Charge of Refrigerant ((oz/ft)/(g/m))	0.16 (15)
Connection Method	Flared

Indoor Unit Dimensions

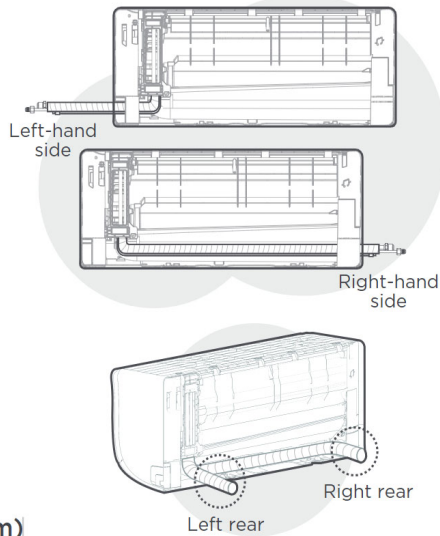


Capacity	Body Code	W(inch/mm)	D(inch/mm)	H(inch/mm)
9k Entry Tier Series	A	28-1/2in /722mm	7-3/8in /187mm	11-3/8in /290mm
9k~12k	B	31-1/2in /802mm	7-1/2in /189mm	11-3/4in /297mm
18k Entry Tier Series	D	38in /965mm	8-1/2in /215mm	12-1/2in /319mm
18k~24k	E	42-1/2in /1080mm	8-7/8in /226mm	13-1/4in /335mm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

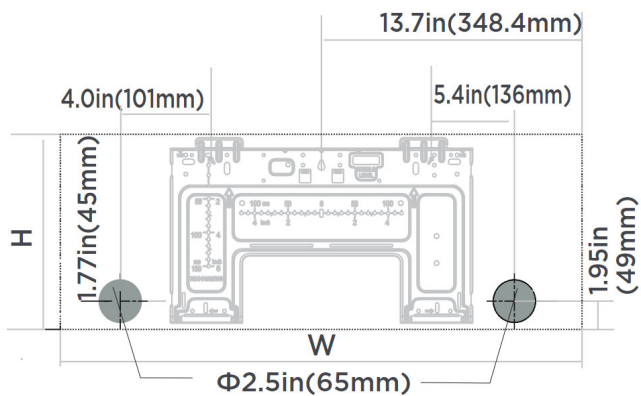
Indoor Unit Installation Instructions



Select Installation Location



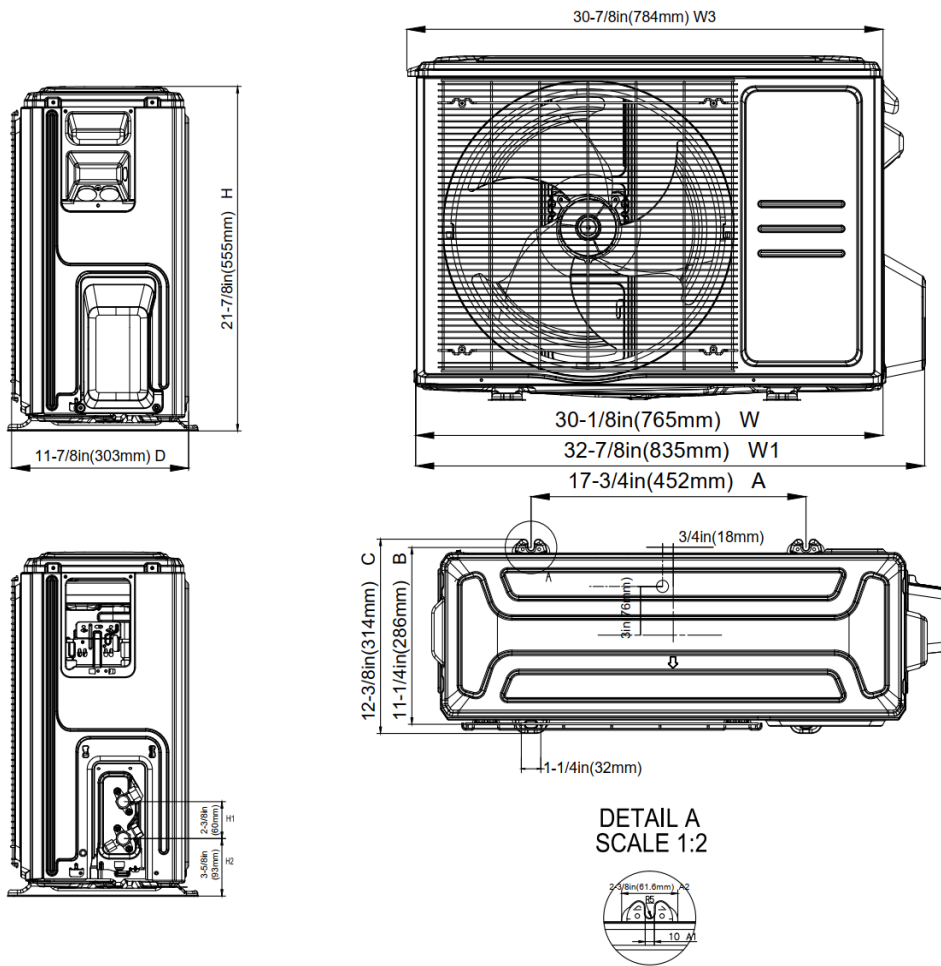
Based on the position of the wall hole relative to the mounting plate, choose the side from which the piping will exit the unit. You have four options for the exit direction of the piping.



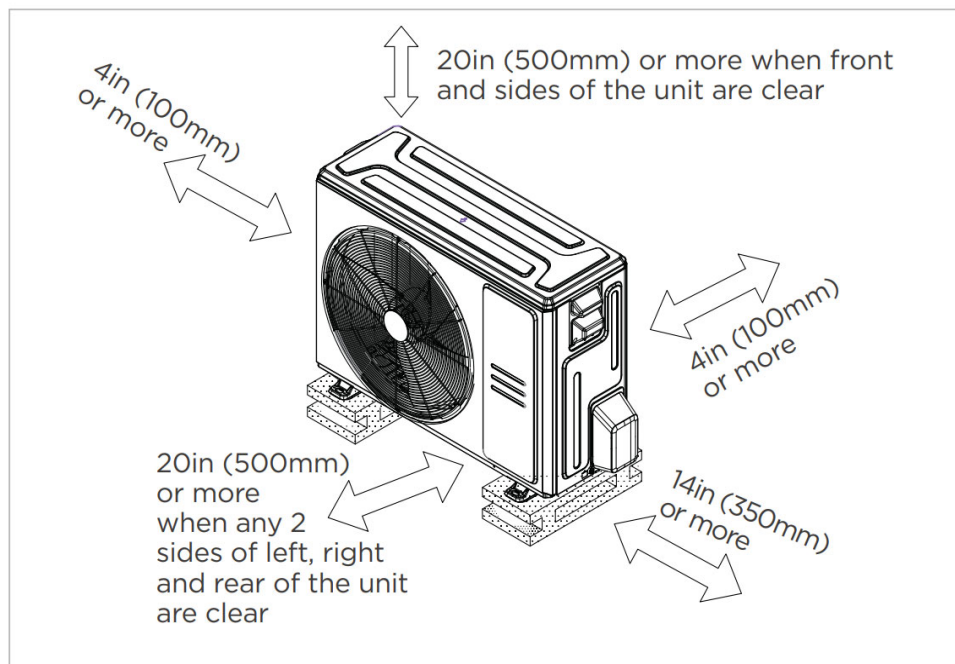
Indoor unit dimensions(WxH):
28.45in(722mm)x11.4in(290mm)

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.