



# Submittal Data Sheet

Indoor Unit Model#: EZ-12W-HP115B  
Outdoor Unit Model#: EZ-12Z-HP115B

## 12K (115V) DIYCOOL R454B Std. Heat Mini-Split 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)		353.2 / 294.3 / 235.4 / 176.6 / 129.5
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		44.5 / 40.0 / 35.0 / 25.5 / 17.5
Dimension (WxDxH)	inch	31.57 x 7.87 x 11.61
	mm	802 x 200 x 295
Package (WxDxH)	inch	35.43 x 15.75 x 13.39
	mm	900 x 400 x 340
Net/Gross Weight	lbs	24.91 / 35.71
	kg	11.3 / 16.2

### OUTDOOR UNIT SPECIFICATIONS

Compressor Type		ROTARY
Compressor Model		KSK103D33UEZ3
Refrigerant		R454B
Refrigerant Oil Charge (mL)		310
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1800
Outdoor Noise Level (dBA)		54.0
Dimension (WxDxH)	inch	28.35 x 10.63 x 19.49
	mm	720 x 270 x 495
Package (WxDxH)	inch	32.56 x 13.46 x 21.06
	mm	827 x 342 x 535
Net/Gross Weight	lbs	54.89 / 67.24
	kg	24.9 / 30.5

### EFFICIENCY RATINGS

Cooling		Heating	
SEER2	19.5	HSPF2-4	9.3
EER2	9	COP	3.25

### COOLING PERFORMANCE

Cooling (Btu/hr)	
Rated Capacity	12000
Min/Max Capacity	7400 ~ 12100
Moisture Removal (L/h)	1.33
Standard Operating Range (°F/°C)	-13 ~ 75 (-25 ~ 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 Capacity	12000
1. @ 47°F Min/Max Capacity	4300 ~ 12700
2. @ 17°F Rated Capacity	7400
3. @ 5°F Rated: Capacity / COP	6700 / 2.20
3. @ 5°F Max: Capacity	6700
Standard Operating Range (°F/°C)	-13 ~ 122 (-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

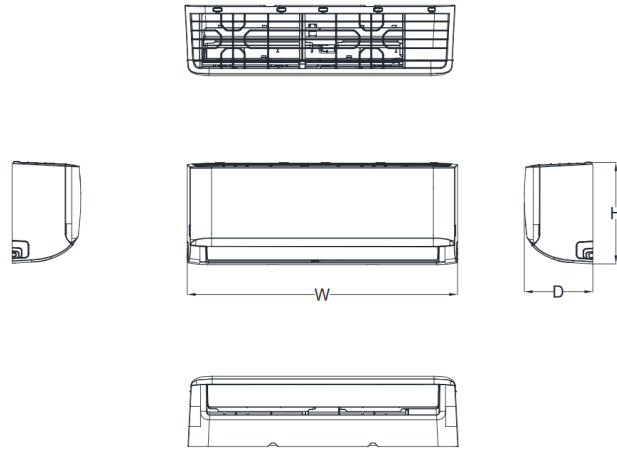
### ELECTRICAL SPECIFICATIONS

Power Supply	115V, 60Hz, 1Ph
System MCA	19.5
Connection Wiring	14#x4
System MOC	20
Compressor RLA	14.3
Outdoor Fan Motor RLA	0.5
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	0.6
Indoor Fan Motor W	20
System Power Input @ Cooling (W)	1333 (630 ~ 1320)
System Power Input @ Heating (W)	1082 (235 ~ 1120)
MCA: Min. circuit amps (A)	MOC: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

### REFRIGERANT PIPING SPECIFICATIONS

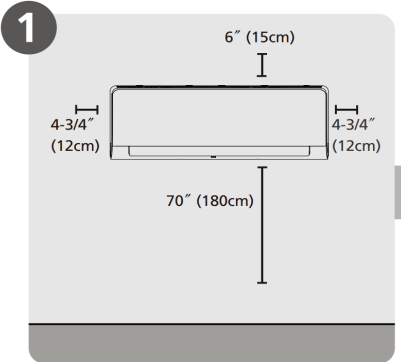
Throttle type (Indoor)	N/A
Throttle type (Outdoor)	Capillary
Liquid Size	6.35mm (1/4in)
Gas Size	9.52mm (3/8in)
Max. Piping Length (ft/m)	82 (25)
Max. Height Difference (ft/m)	49.20 (15)
Max. Pre-charged Length (ft/m)	24.6 (7.5)
Refrigerant Pre-charged Amount (oz/g)	21.52 (0.61)
Additional Charge of Refrigerant ((oz/ft)/(g/m))	0.16 (15)
Connection Method	Connector

### Indoor Unit Dimensions

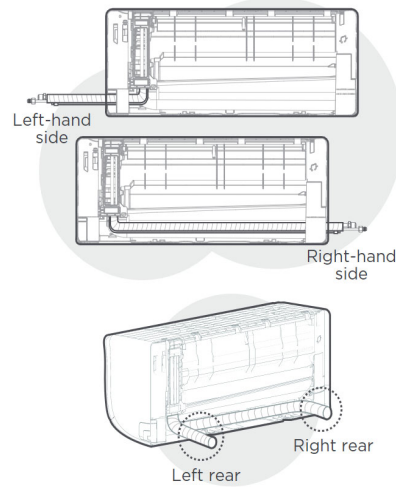


Capacity	Body Code	W(inch/mm)	D(mm/inch)	H(mm/inch)
9K	A	28-3/4in /729mm	7-7/8in /200mm	11-1/2in /292mm
12K	B	31-5/8in /802mm	7-7/8in /200mm	11-5/8in /295mm
18K	C	38-1/4in /971mm	9in/228mm	12-5/8in /321mm
24K	D	42-5/8in /1082mm	9-1/4in /234mm	13-1/4in /337mm

### Indoor Unit Installation Instructions

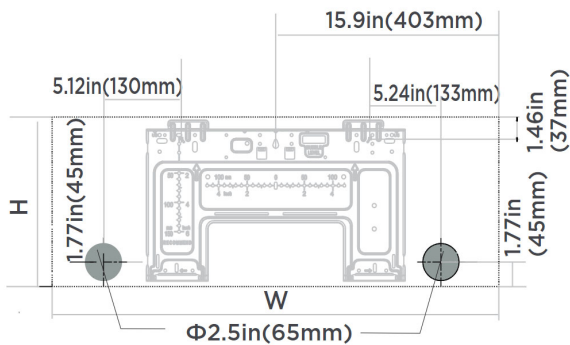


**Select Installation Location**



#### 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.

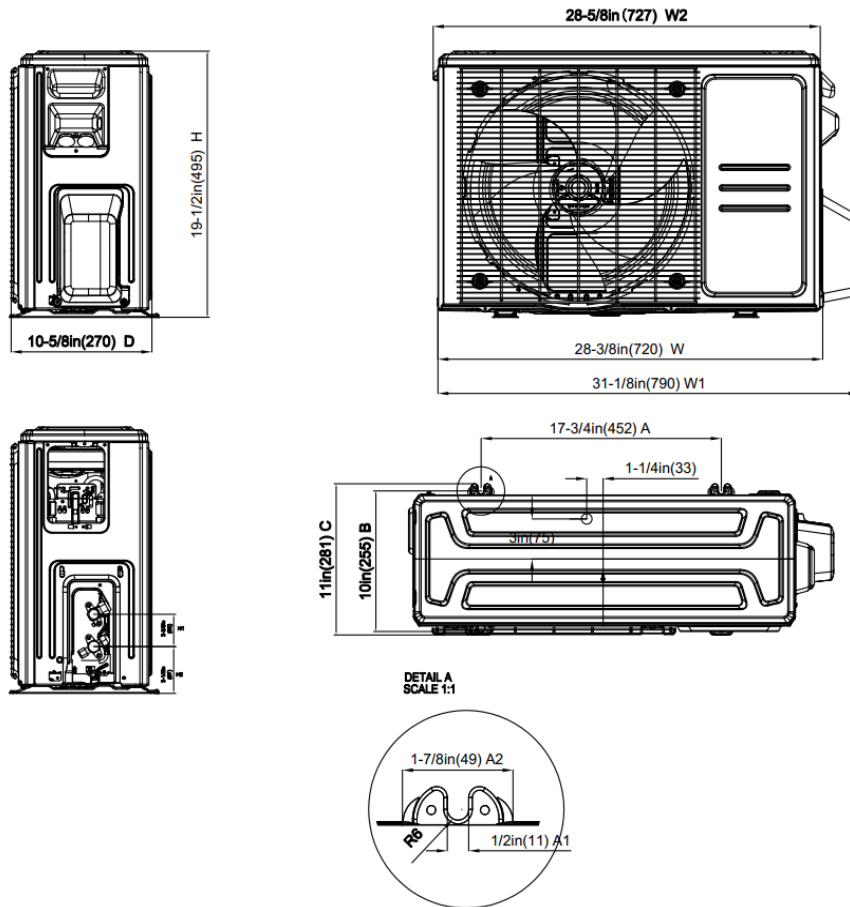


**Indoor unit dimensions(WxH):**  
31.7in(806mm)x11.65in(296mm)

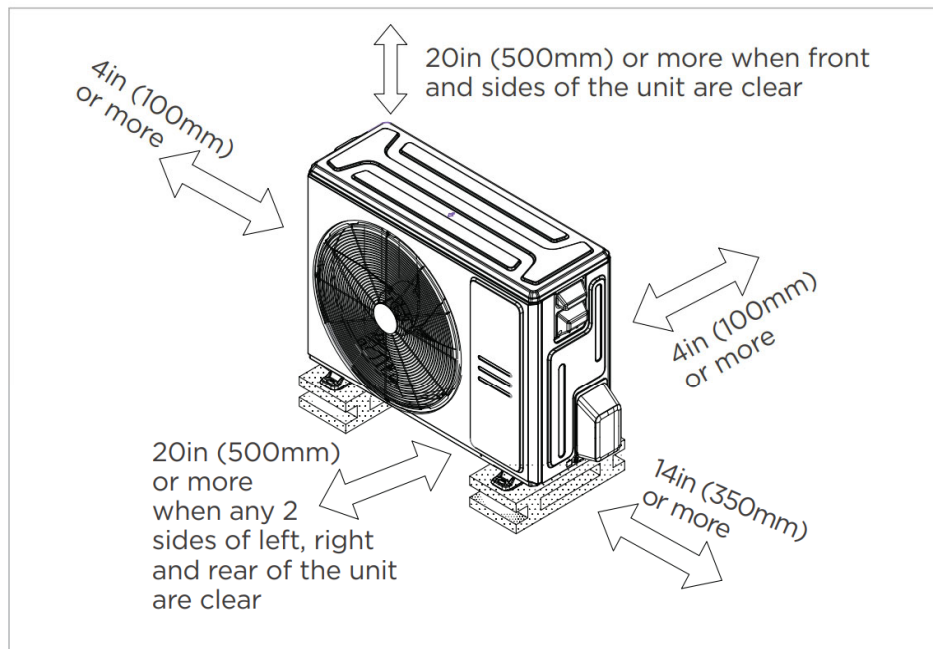
#### NOTE:

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.