



Submittal Data Sheet

Indoor Unit Model#: EZ-24W-MB
Outdoor Unit Model#: EZ-24ZPL-HP230B

24K DIYCOOL R454B Platinum/Ext. Heat Single-Zone 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)	759.3 / 588.6 / 470.9 / 323.7 / NA	
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	54.0 / 48.0 / 43.0 / 33.5 / 20.0	
Dimension (WxDxH)	inch	42.52 x 8.90 x 13.19
	mm	1080 x 226 x 335
Package (WxDxH)	inch	46.73 x 17.68 x 14.26
	mm	1187 x 449 x 363
Net/Gross Weight	lbs	35.93 / 49.82
	kg	16.3 / 22.6

OUTDOOR UNIT SPECIFICATIONS

Compressor Type	ROTARY	
Compressor Model	KTM240D46UKT2	
Refrigerant	R454B	
Refrigerant Oil Charge (mL)	620	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	3800	
Outdoor Noise Level (dBA)	58.5	
Dimension (WxDxH)	inch	37.24 x 16.14 x 31.89
	mm	946 x 410 x 810
Package (WxDxH)	inch	42.91 x 19.88 x 37.01
	mm	1090 x 505 x 940
Net/Gross Weight	lbs	122.80 / 155.64
	kg	55.7 / 70.6

EFFICIENCY RATINGS

Cooling		Heating	
SEER2	22.7	HSPF2-4	9.5
EER2	12.7	COP	3.07

COOLING PERFORMANCE

Cooling (Btu/hr)	
Rated Capacity	24000
Min/Max Capacity	6200 ~ 26200
Moisture Removal (L/h)	3.09
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	24000
1. @ 47°F Min/Max Capacity	10300 ~ 28200
2. @ 17°F Rated Capacity	17900
3. @ 5°F Rated: Capacity / COP	15900 / 2.00
3. @ 5°F Max: Capacity	15900
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

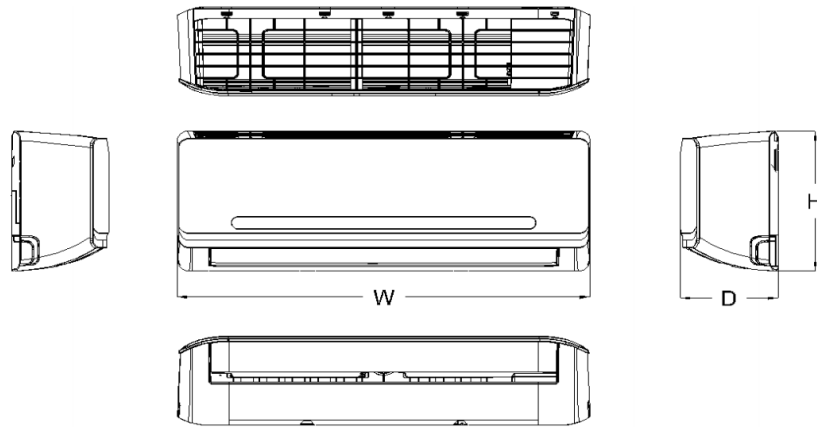
ELECTRICAL SPECIFICATIONS

Power Supply	208/230V, 60Hz, 1Ph
System MCA	24
Connection Wiring	14#x4
System MOC	25
Compressor RLA	15.4
Outdoor Fan Motor RLA	1.0
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	0.8
Indoor Fan Motor W	58
System Power Input @ Cooling (W)	2000 (650 ~ 2500)
System Power Input @ Heating (W)	2400 (640 ~ 2940)
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)	EXV+Throttle valve
Liquid Size	9.52mm (3/8in)
Gas Size	15.9mm (5/8in)
Max. Piping Length (ft/m)	164 (50)
Max. Height Difference (ft/m)	82 (25)
Max. Pre-charged Length (ft/m)	24.6 (7.5)
Refrigerant Pre-charged Amount (oz/g)	67.37 (1.91)
Additional Charge of Refrigerant ((oz/ft)/(g/m))	0.32 (30)
Connection Method	Connector

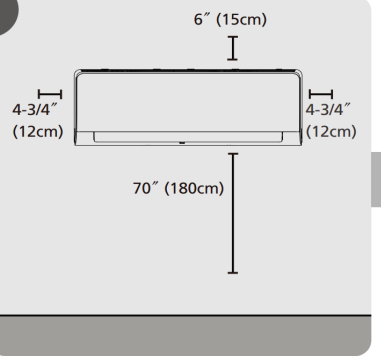
Indoor Unit Dimensions



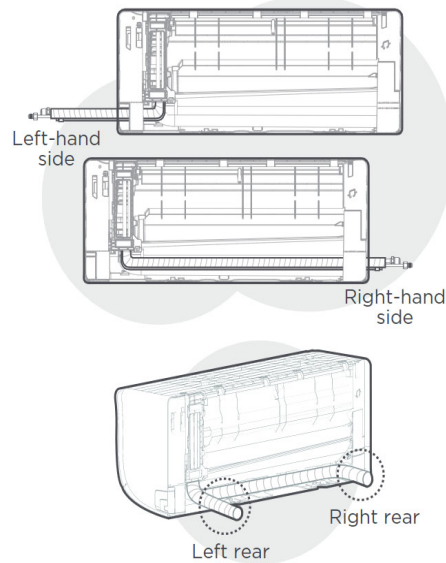
Capacity	Body Code	W (inch/mm)	D (inch/mm)	H (inch/mm)
12K (115V)	B	31-1/2in / 802mm	7-1/2in / 189mm	11-3/4in / 297mm
18K	E	42-1/2in / 1080mm	8-7/8in / 226mm	13-1/4in / 335mm
24K	E	42-1/2in / 1080mm	8-7/8in / 226mm	13-1/4in / 335mm
36K	F	49-1/2in / 1259mm	11-1/8in / 282mm	14-1/4in / 362mm

Indoor Unit Installation Instructions

1

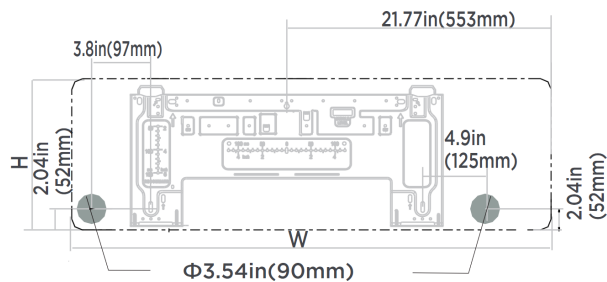


Select Installation Location



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):
42.52in(1080mm)x13.19(335mm)

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

Technical drawings of the outdoor unit showing front, side, and top views with dimensions in inches and millimeters.

Front View Dimensions:

- Top width: $40\frac{1}{2}$ in (1030 mm)
- Bottom width: $37\frac{1}{4}$ in (946 mm)
- Right side width: $26\frac{1}{2}$ in (673 mm)

Side View Dimensions:

- Height: $31\frac{7}{8}$ in (810 mm)
- Base width: $16\frac{1}{8}$ in (410 mm)

Top View Dimensions:

- Left side width: $17\frac{7}{8}$ in (455 mm)
- Inner left side width: $15\frac{1}{4}$ in (386 mm)
- Right side width: $15\frac{7}{8}$ in (403 mm)
- Top width (inner): $31\frac{1}{8}$ in (461 mm)
- Top width (outer): $3\frac{1}{2}$ in (91 mm)

Detail A (Scale 1:1):

- Top width: $2\frac{7}{8}$ in (73 mm)
- Inner width: $\frac{7}{8}$ in (24 mm)
- Radius: R10
- Bottom radius: R6

Other Dimensions:

- Bottom left corner: $2\frac{3}{8}$ in (60 mm)
- Bottom left corner: $4\frac{1}{4}$ in (108 mm)

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.