SUBMITTAL DATA SHEET

Series Name: EP Hyper Heat Series
Model Number: CCOXHBSZ12HP/CCOXHBWM12

CUSTOM® COMFORT

High Wall Heat Pump System

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

INDOOR SPECIFICATION

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)	47/36.5/32.5/22/19.5
Dimensions W×D×H (inches)	33.40x9.18x11.76
Package W×D×H (inches)	36.22x12.20x14.57
Net/Gross Weight lbs.	22.93/29.32

OUTDOOR SPECIFICATION

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
Dimensions W×D×H (inches)	31.69 x 12.99 x 21.81
Package W×D×H (inches)	36.02 x 14.57 x 24.21
Net/Gross Weight lbs.	72.75/78.70

EFFICIENCY

Cooling		Heating	
SEER2	25.4	HSPF2-4	10.5
EER2	13.4	COP	3.76

Cooling (Btu/hr)

Rated Capacity	12000
Min/Max Capacity	3800~14600
Moisture Removal(L/h)	1.2
Standard Operating Range(°F/°C)	-22~122(-30～50)
Conditions:	Indoor: 80°F DB/67°F WB
	Outdoor: 95°F DB/75°F WB

ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	15.0
Connection Wiring	14#x4
System MOCP	15
Compressor RLA	11.6
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)	890(127 ~ 1250)
System Power Input @ Heating (W)	935(225 ~1400)
MCA: Min. circuit amps (A)	**MOCP**: Max. over current protection (A)
RLA: Rated load amps (A)	**W**: Fan motor rated output (W)

HEATING PERFORMANCE (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

PIPING

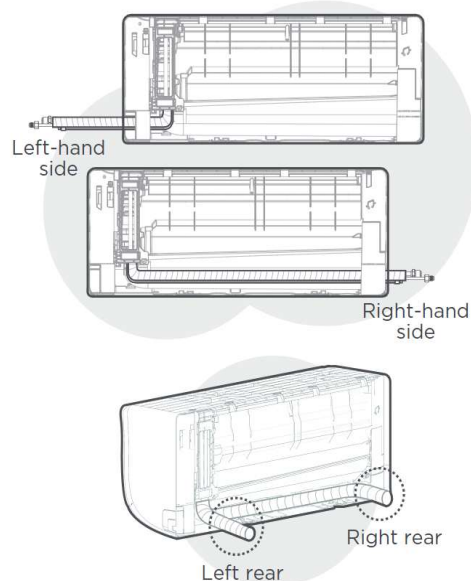|	
Throttle type(Indoor)	N/A
Throttle type(Outdoor)	EXV
Liquid Size	6.35mm(1/4in)
Gas Size	9.52mm(3/8in)
Max. Piping Length(ft/m)	82.00(25)
Max. Height Difference(ft/m)	49.20(15)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/g)	35.27(1)
Additional Charge (oz/ft)/(g/m)	0.16(15)
Connection Method	Flared

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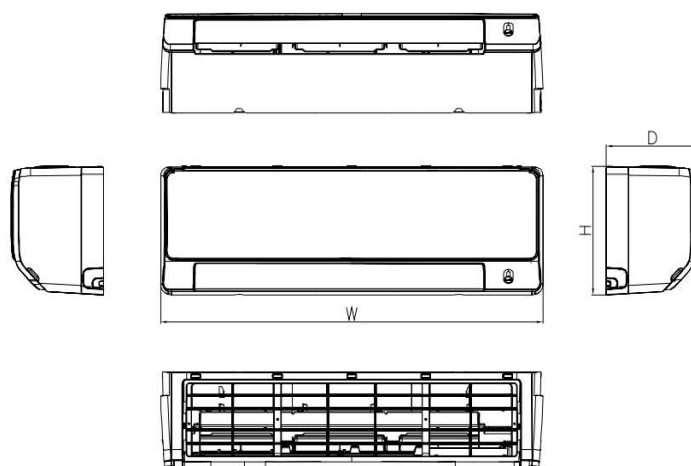
Capacity	Body Code	Unit	W	D	H
6k~12k	B	mm	848	233	300
		inch	33-3/8	9-1/8	11-3/4
18k~24k	C	mm	1017	248	319
		inch	40	9-3/4	12-1/2
24k~36k	D	mm	1190	285	371
		inch	46-7/8	11-1/4	14-5/8

Indoor Unit Clearances

1

6″ (15cm)

4-3/4″ (12cm)   4-3/4″ (12cm)

70″ (180cm)
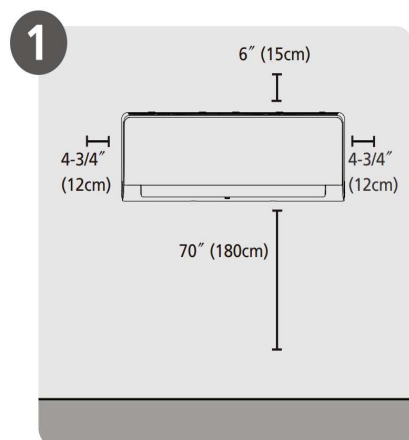
Select Installation Location

Left-hand side

Right-hand side

Right rear
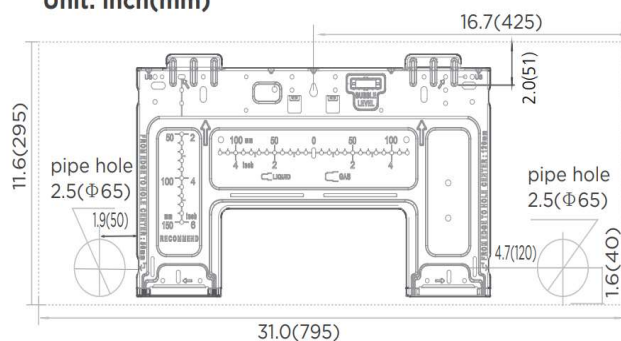
Left rear

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.
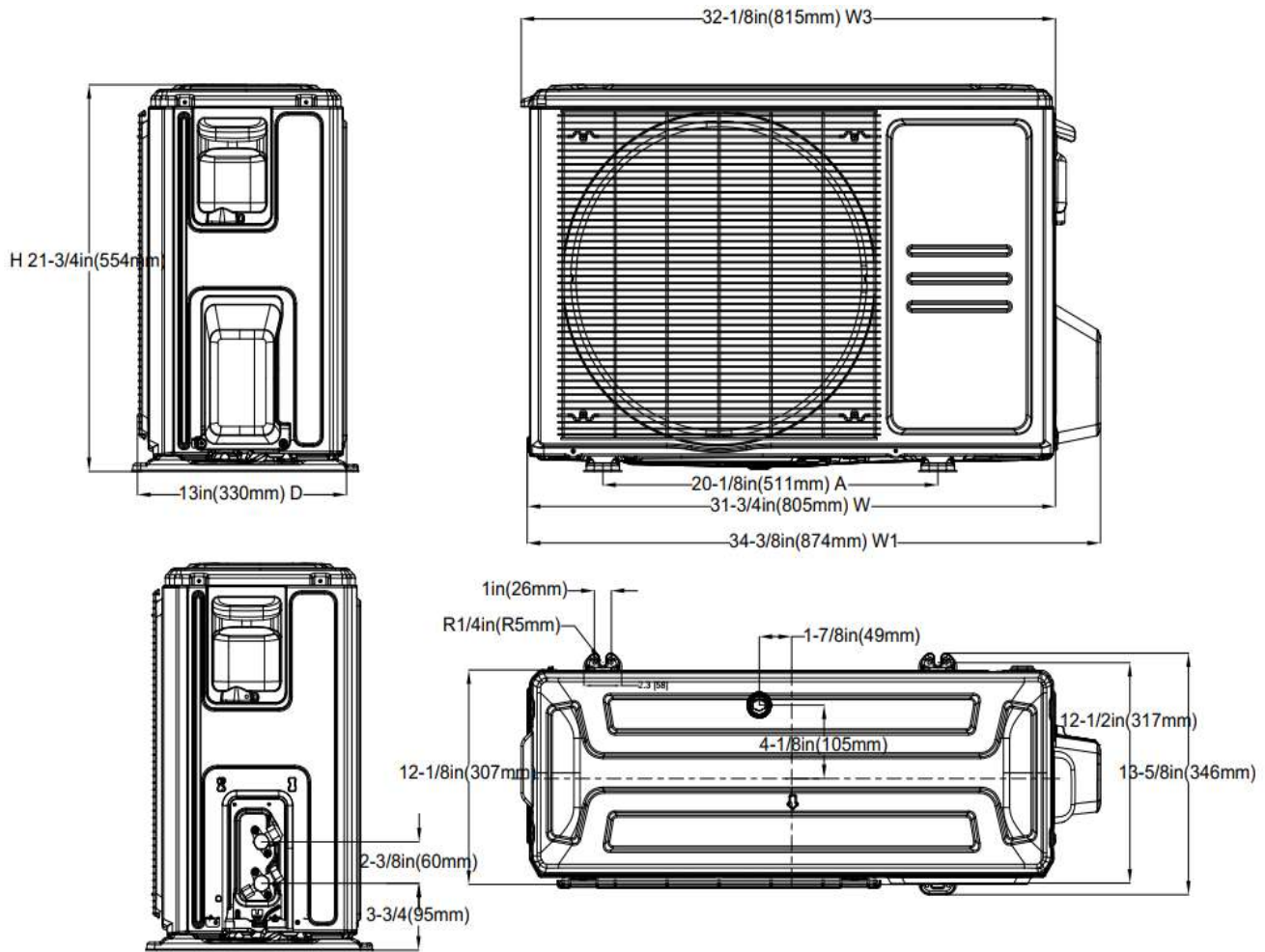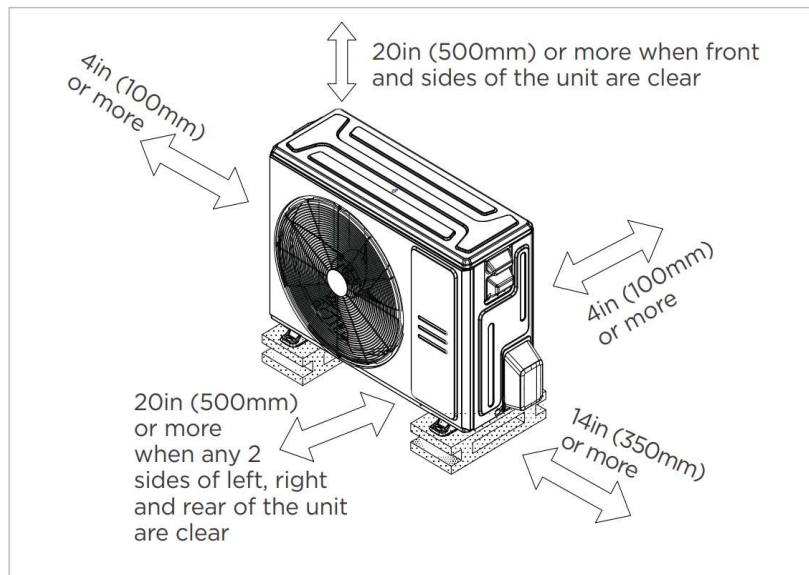
Unit: inch(mm)

16.7(425)

2.0(51)

11.6(295)

pipe hole 2.5(Φ65)

1.9(50)

pipe hole 2.5(Φ65)

4.7(120)

1.6(40)

31.0(795)

NOTE:
When the gas side connective pipe isΦ (5/8in)16mm or more, the wall hole shouldbe (3-1/2in)90mm.

Outdoor Unit Dimensions

32-1/8in(815mm) W3

H 21-3/4in(554mm)

13in(330mm) D

20-1/8in(511mm) A
31-3/4in(805mm) W
34-3/8in(874mm) W1

1in(26mm)
R1/4in(R5mm)
1-7/8in(49mm)
2.3 [58]
4-1/8in(105mm)
12-1/2in(317mm)
12-1/8in(307mm)
13-5/8in(346mm)
2-3/8in(60mm)
3-3/4(95mm)

Outdoor Unit Clearances

20in (500mm) or more when front and sides of the unit are clear

4in (100mm) or more

4in (100mm) or more

20in (500mm) or more when any 2 sides of left, right and rear of the unit are clear

14in (350mm) or more

☑ 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.