

SUBMITTAL DATA SHEET

Series Name: EP Energy Star Series
Model Number: CCOESBSZ17HP/CCOXHBWM18



High Wall Heat Pump System

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



INDOOR SPECIFICATIONS

Air Flow (Turbo/H/M/L/Si) (CFM)	635.7 / 500.3 / 359.0 / 294.3 / 294.3
Noise Level (Turbo/H/M/L/Si) (dBA)	49/45/39/28/20
Dimension (W×D×H)	40.04x9.76x12.56
Package (W×D×H)	43.11x12.80x15.75
Net/Gross Weight (lbs./kg)	27.34/36.60

OUTDOOR SPECIFICATIONS

Compressor Type	ROTARY
Compressor Model	KSN140D58UFZ
Refrigerant	R454B
Refrigerant Oil Charge(mL)	440
Refrigerant Oil	VG74
Outdoor Air Flow (Max) (CFM)	1764.7
Outdoor Noise Level (dBA)	58.0
Dimension (W×D×H)	35.04 x 13.46 x 26.50
Package (W×D×H)	39.17 x 15.67 x 29.13
Net/Gross Weight (lbs./kg)	92.59/100.31

EFFICIENCY

Cooling		Heating	
SEER2	23.5	HSPF2-4	10.8
EER2	12.7	COP	3.50

Cooling Performance (Btu/hr)

Rated Capacity	18000
Min/Max Capacity	3500~18900
Moisture Removal(L/h)	2.0
Standard Operating Range(°F/°C)	-13~122(-25~50)
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

Heating Performance (Btu/hr)

1. @ 47°F Rated	18000
1. @ 47°F Min/Max Capacity	7700~21000
2. @ 17°F Rated	13600
3. @ 5°F Rated: Capacity / COP	12800/2.10
3. @ 5°F Max: Capacity	12800
Standard Operating Range(°F/°C)	-13~75(-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

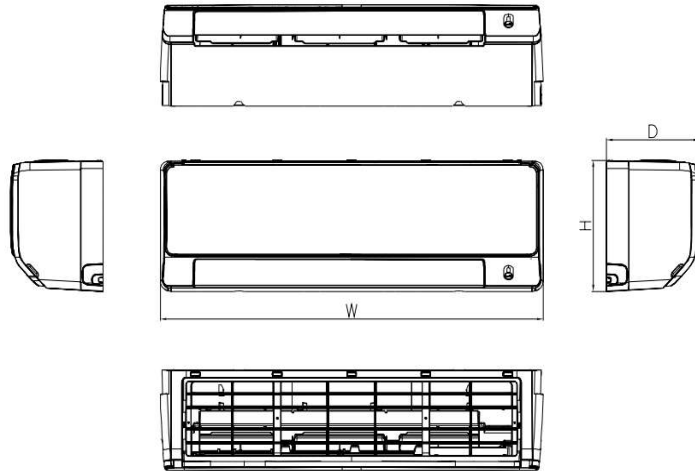
ELECTRICAL

Power Supply	208/230V, 60Hz, 1Ph
System MCA	18.0
Connection Wiring	14#x4
System MOC	20
Compressor RLA	10.0
Outdoor Fan Motor RLA	0.9
Outdoor Fan Motor W	80
Indoor Fan Motor RLA	0.8
Indoor Fan Motor W	30
System Power Input @ Cooling (W)	1406(420 ~ 1630)
System Power Input @ Heating (W)	1507(415 ~ 1910)
MCA: Min. circuit amps (A)	MOC: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

PIPING

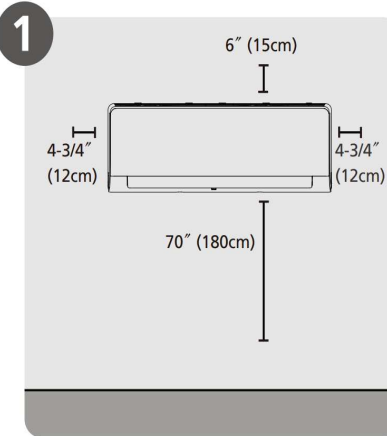
Throttle type(Indoor)	N/A
Throttle type(Outdoor)	EXV+Throttle valve
Liquid Size	6.35mm(1/4in)
Gas Size	12.7mm(1/2in)
Max. Piping Length(ft/m)	98.40(30)
Max. Height Difference(ft/m)	65.60(20)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/g)	47.97(1.36)
Additional Charge ((oz/ft)/(g/m))	0.16(15)
Connection Method	Flared

Indoor Unit Dimensions

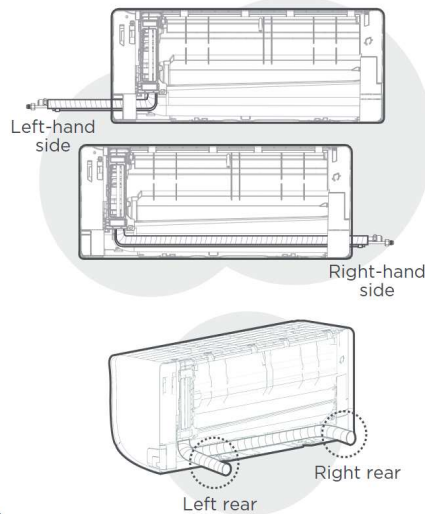


Capacity	Body Code	Unit	W	D	H
6k~12k	B	mm	848	233	300
		inch	33-3/8	9-1/8	11-3/4
18k	C	mm	1017	248	319
		inch	40	9-3/4	12-1/2
24k~36k	D	mm	1190	285	371
		inch	46-7/8	11-1/4	14-5/8

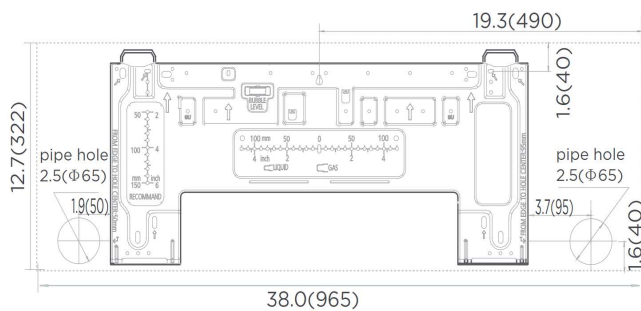
Indoor Unit Clearances



Select Installation Location

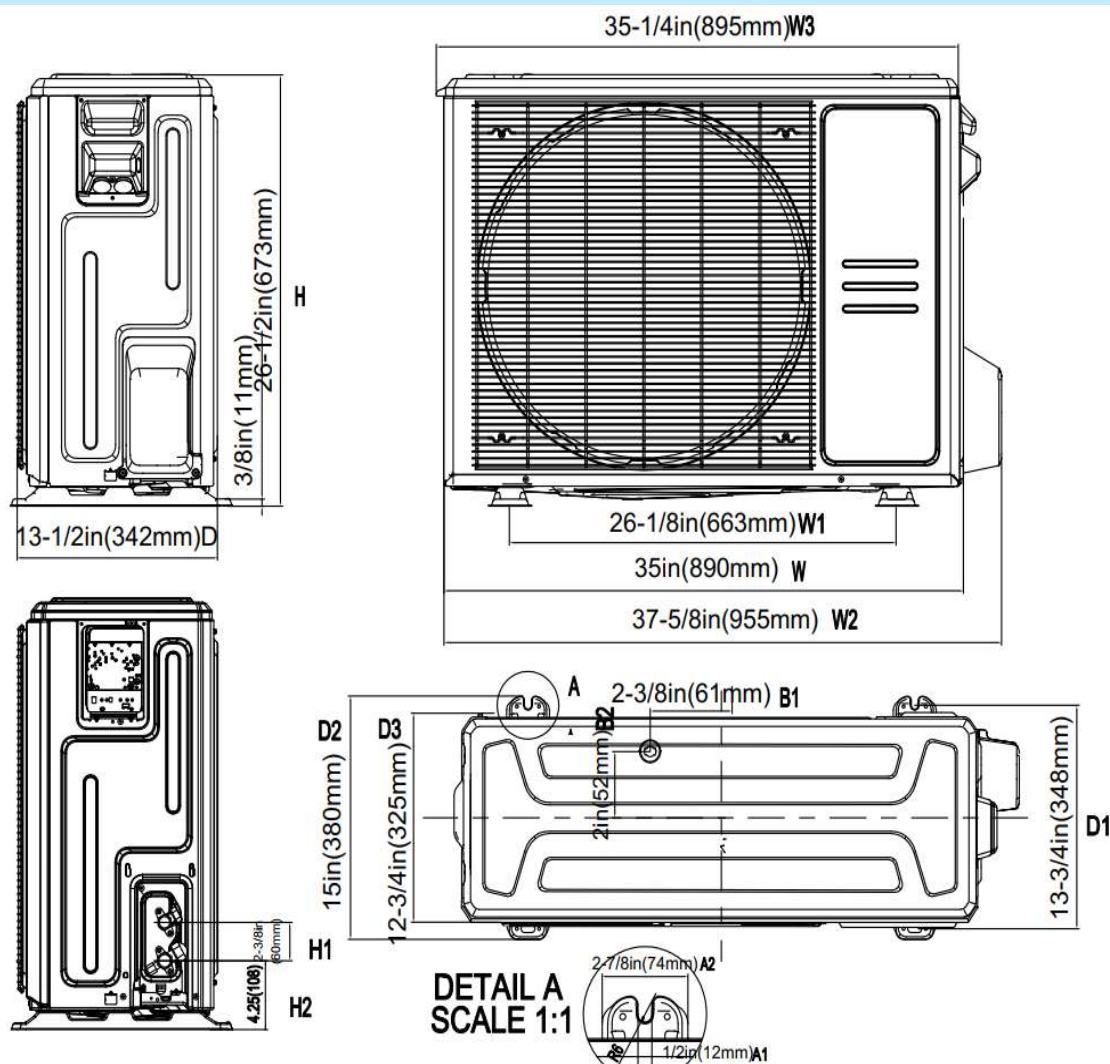


NOTE:
Based on the position of the wall hole relative to the mounting plate, choose the side from which the piping will exit the unit. You have four options for the exit direction of the piping.

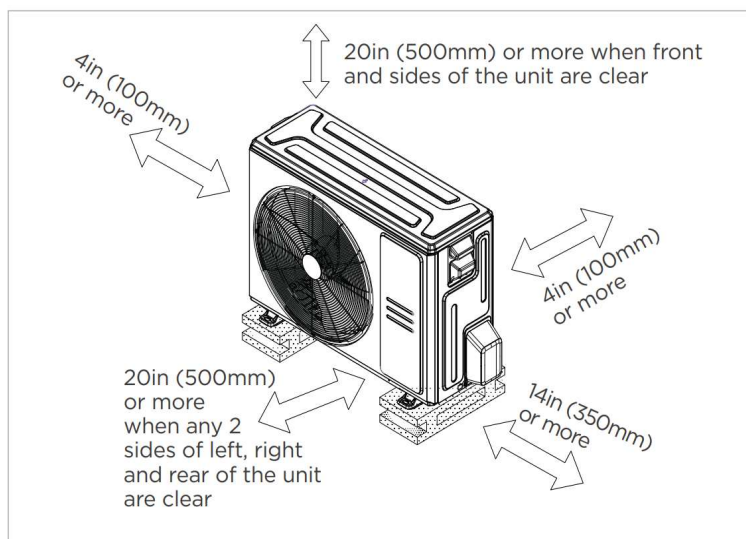


NOTE:
When the gas side connective pipe is Φ (5/8in)16mm or more, the wall hole should be (3-1/2in)90mm.

Outdoor Unit Dimensions



Outdoor Unit Clearances



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.