

SUBMITTAL DATA SHEET

Series Name: Hyper Heat AHU Series
Model Number: CCOXHBSZ24HP/CCOXHBAHU24



Air Handler 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)	824.0 / 759.3 / 694.5 / 629.8 / 629.8
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	43.5/43.5/40/25.5/25.5
Dimensions W×D×H (inches)	17.52 x 21.02 x 45.00
Package W×D×H	26.57 x 20.87 x 48.62
Net/Gross Weight lbs.	104.28/125.88

OUTDOOR SPECIFICATION

Compressor Type	ROTARY
Compressor Model	KTM240D46UKT2
Refrigerant	R454B
Refrigerant Oil Charge(mL)	620
Refrigerant Oil	VG74
Outdoor Air Flow (Max) (CFM)	2236.7
Outdoor Noise Level (dBA)	61.5
Dimensions W×D×H (inches)	37.24 x 16.14 x 31.89
Package W×D×H	42.91 x 19.68 x 34.84
Net/Gross Weight lbs.	130.29/141.31

EFFICIENCY

Cooling		Heating	
SEER2	18.7	HSPF2-4	10.0
EER2	12	COP	3.5

COOLING PERFORMANCE (Btu/hr)

Rated Capacity	23000
Min/Max Capacity	7500~27000
Moisture Removal(L/h)	2.25
Standard Operating Range(*F/°C)	-22~122(-30~50)
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

HEATING PERFORMANCE (Btu/hr)

1. @ 47°F Rated	26000
1. @ 47°F Min/Max Capacity	8800~29000
2. @ 17°F Rated	16900
3. @ 5°F Rated: Capacity / COP	23600/2.1
3. @ 5°F Max: Capacity	23600
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

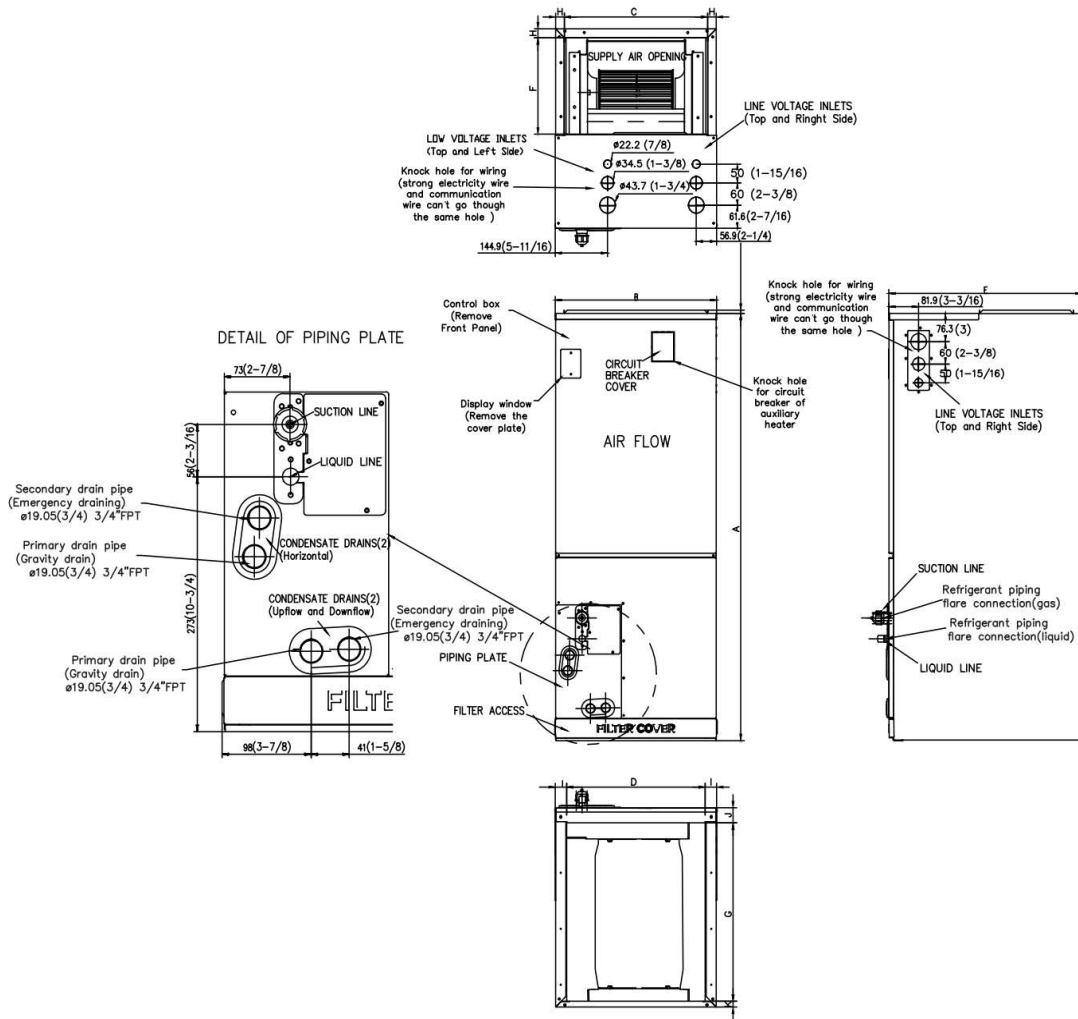
ELECTRICAL

Power Supply	208/230V, 60Hz, 1Ph
System MCA	24.9
Connection Wiring	AWG 14-4
System MOCP	25
Compressor RLA	15
Outdoor Fan Motor RLA	1.3
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	3
Indoor Fan Motor W	250
System Power Input @ Cooling (W)	1916(280 ~ 2600)
System Power Input @ Heating (W)	2180(410 ~ 2600)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

PIPING

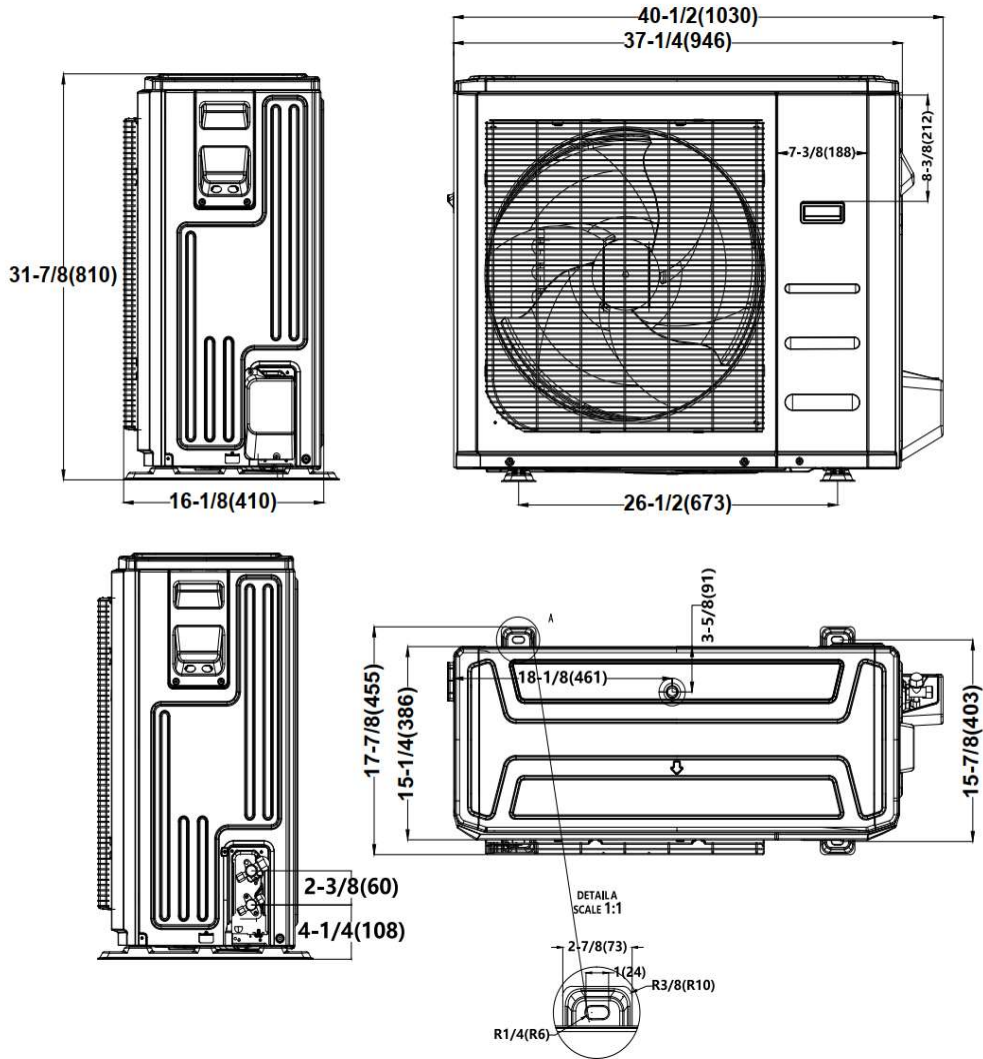
Throttle type(Indoor)	N/A
Throttle type(Outdoor)	EXV+Throttle valve
Liquid Size	9.52mm(3/8in)
Gas Size	15.9mm(5/8in)
Max. Piping Length(ft/m)	164(50)
Max. Height Difference(ft/m)	82(25)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	63.49(1.8)
Additional Charge(oz/ft)/(g/m)	0.32(30)
Connection Method	Flared

Indoor Unit Dimensions

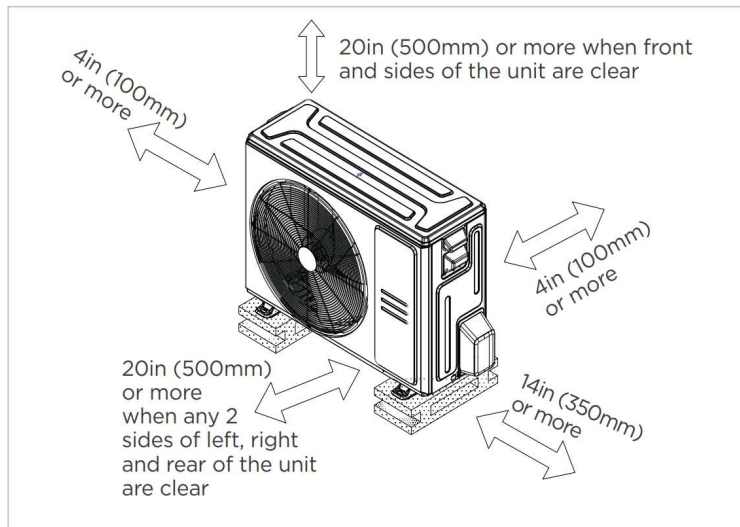


Dimensions	Model	18k/24k		30k/36k		48k/60k	
		inch	mm	inch	mm	inch	mm
A	Model Height	45	1143	49	1245	53	1346
B	Model Width	17-1/2	445	21	534	24-1/2	622
C	Supply Air Opening Width	15-5/8	397	19-1/8	486	22-5/8	575
D	Return Air Opening Width	15-1/8	384	18-5/8	473	22-1/8	562
E	Model Depth	21	534	21	534	21	534
F	Supply Air Opening Depth	10-1/4	260	10-1/4	260	10-1/4	260
G	Return Air Opening Depth	18-3/4	476	18-3/4	476	18-3/4	476
H	Supply Air Opening Clearance	15/16	24	15/16	24	15/16	24
I	Return Air Opening Side Clearance	1-1/4	32	1-1/4	32	1-1/8	28
J	Return Air Opening Front Clearance	1-1/2	38	1-5/8	41	1-5/8	41
K	Return Air Opening Back Clearance	5/8	16	5/8	16	3/4	19

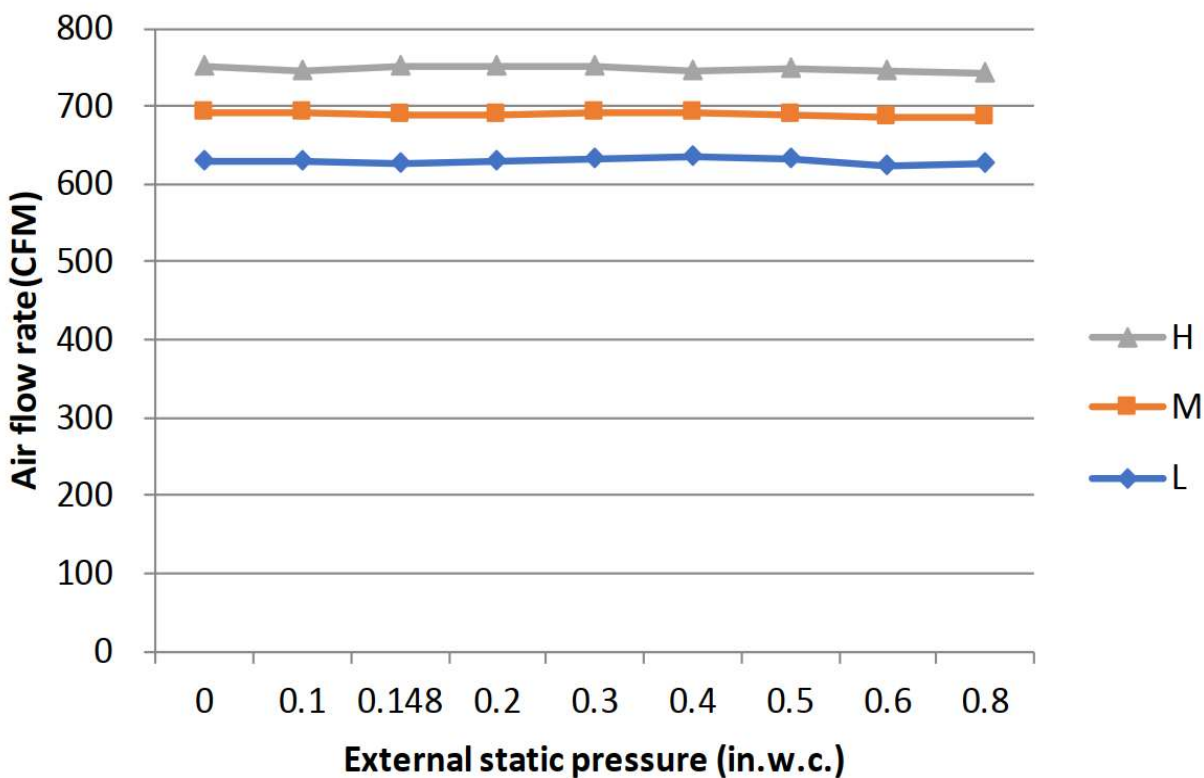
Outdoor Unit Dimensions



Outdoor Unit Clearances



☒ Meets all spatial requirements shown in Installation Clearance Requirements above.



Features

- Multi-position installation: horizontal(left or right), vertical(up or down)
- Aluminum Coil
- Constantly Air Flow system up to 0.80 In.W.G
- 1 inch R4.2 fiberglass free insulation reduces condensation and boosts efficiency(optional)
- Optional Auxiliary heat kit up to 25kW
- Easy Maintenance
- Multiple control options available:
 - Two way communication wired controller:120N(X6)
 - Two way communication wired controller with built-in WiFi:120N(X6W)
 - Wireless remote controller
 - Third-Party 24V Thermostat
- High efficiency up to 18.7 SEER2, 12 EER2, 10 HSPF2
- 100% heat output at 5F*
- Energy Star and Cold Climate Energy Star certified
- Chassis heater and crankcase heater equipped as standard

* Rated cooling capacity/heating capacity at 5F>=100%