

SUBMITTAL DATA SHEET

Series Name: Hyper Heat AHU Series
 Model Number: CCOXHB24V48HP/CCOXHBAH24V48



Air Handler Heat Pump System

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



INDOOR SPECIFICATION

| | |
|---|--|
| ESP(in.W.G) | 0-0.8 |
| Indoor Air Flow (Turbo/H/M/L/Si) (CFM) | 1601.0 / 1471.5 / 1283.1 / 1094.8 / 1094.8 |
| Indoor Noise Level (Turbo/H/M/L/Si) (dBA) | 52/52/50/34/34 |
| Dimensions W×D×H (inches) | 24.49 x 21.02 x 52.99 |
| Package W×D×H (inches) | 27.95 x 26.77 x 56.50 |
| Net/Gross Weight lbs. | 162.92/190.92 |

OUTDOOR SPECIFICATION

| | |
|------------------------------|-----------------------|
| Compressor Type | ROTARY |
| Compressor Model | MTH550UKPC8FU |
| Refrigerant | R454B |
| Refrigerant Oil Charge(mL) | 1800 |
| Refrigerant Oil | HAF68D1C |
| Outdoor Air Flow (Max) (CFM) | 3037.1 |
| Outdoor Noise Level (dBA) | 65 |
| Dimensions W×D×H (inches) | 38.58 x 16.34 x 38.39 |
| Package W×D×H (inches) | 45.08 x 19.68 x 42.52 |
| Net/Gross Weight lbs. | 201.06/232.36 |

ELECTRICAL

| | |
|----------------------------------|--|
| Indoor Power Supply | 115/208/230V,60Hz,1Ph |
| Indoor MCA 115V/(208/230V) | 14.5/11.0 |
| Indoor MOP | 15 |
| Outdoor Power Supply | 208/230V,60Hz,1Ph |
| Outdoor MCA | 38 |
| Outdoor MOP | 40 |
| Communication Wiring | AWG 20-2 |
| Compressor RLA | 28 |
| Outdoor Fan Motor RLA | 2 |
| Outdoor Fan Motor W | 250 |
| Indoor Fan Motor RLA | 7.8 |
| Indoor Fan Motor W | 750 |
| System Power Input @ Cooling (W) | 4690(1345 ~ 5180) |
| System Power Input @ Heating (W) | 4750(1045 ~ 5200) |
| MCA: Min. circuit amps (A) | MOCP: Max. over current protection (A) |
| RLA: Rated load amps (A) | W: Fan motor rated output (W) |

EFFICIENCY

| Cooling | | Heating | |
|---------|------|---------|------|
| SEER2 | 16.5 | HSPF2-4 | 9.5 |
| EER2 | 10.5 | COP | 3.40 |

COOLING PERFORMANCE (Btu/hr)

| | |
|---------------------------------|---|
| Rated Capacity | 48000 |
| Min/Max Capacity | 15600~51000 |
| Moisture Removal(L/h) | 3.85 |
| Standard Operating Range(°F/°C) | -22~122(-30~50) |
| Rated Cooling Conditions: | Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB |

HEATING PERFORMANCE (Btu/hr)

| | |
|---------------------------------|-------------------------|
| 1. @ 47°F Rated | 50000 |
| 2. @ 47°F Min/Max Capacity | 15500~57300 |
| 3. @ 17°F Rated | 37000 |
| 4. @ 5°F Rated: Capacity / COP | 46000/1.9 |
| 5. @ 5°F Max: Capacity | 46000 |
| Standard Operating Range(°F/°C) | -22~75(-30~24) |
| 1. Rated Heating Conditions: | Indoor: 70°F DB/60°F WB |

PIPING

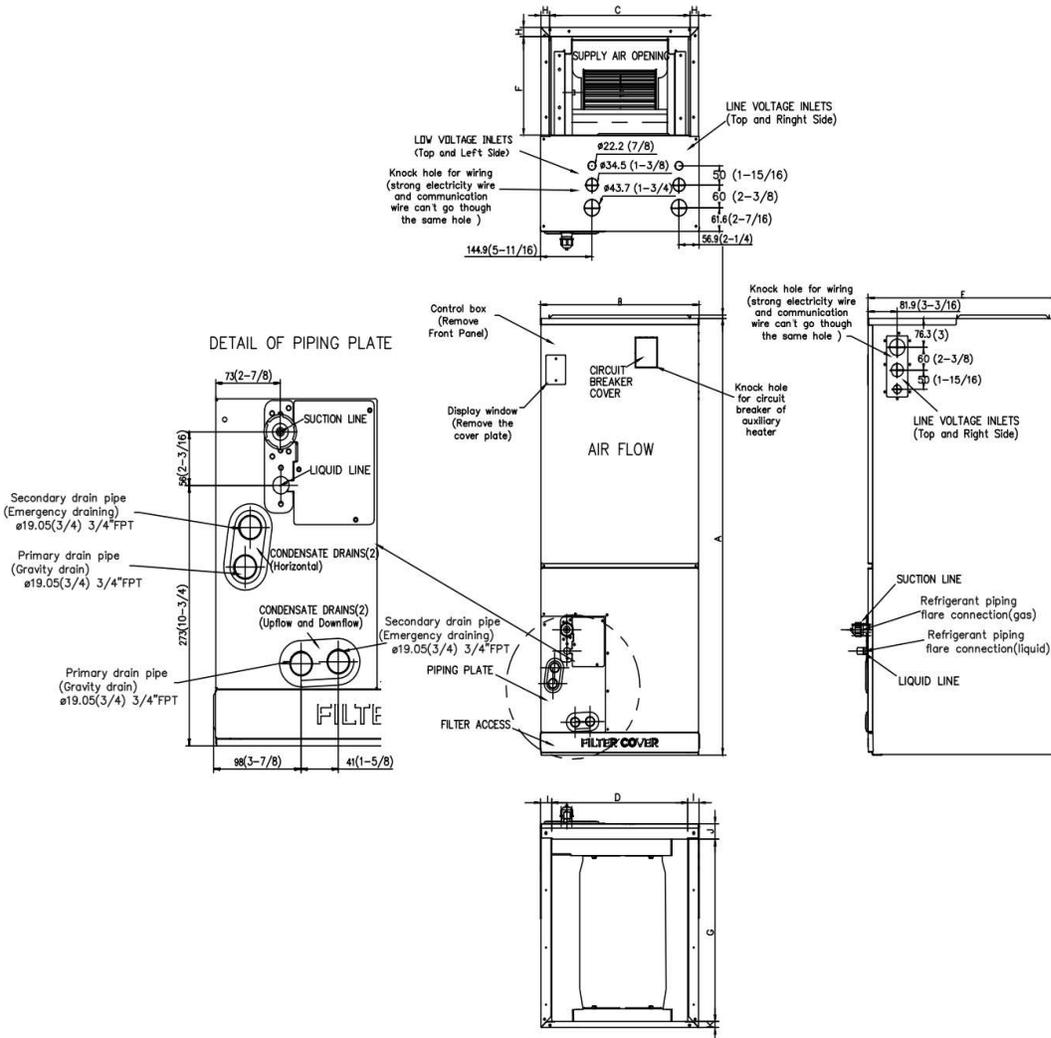
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|---------------------------------------|---------------|
| Throttle type(Indoor) | EXV |
| Throttle type(Outdoor) | EXV |
| Liquid Size | 9.52mm(3/8in) |
| Gas Size | 19mm(3/4in) |
| Max. Piping Length(ft/m) | 246(75) |
| Max. Height Difference(ft/m) | 98.4(30) |
| Max. Pre-charged Length(ft/m) | 24.6(7.5) |
| Refrigerant Pre-charged Amount(oz/kg) | 134.04(3.8) |

2. Rated Heating Conditions: Outdoor: 47°F DB/43°F WB
Indoor: 70°F DB/60°F WB
Outdoor: 17°F DB/15°F WB

3. Heating Conditions, Compressor Operating at Max. Frequency: Indoor: 70°F DB/60°F WB
Outdoor: 5°F DB/5°F WB

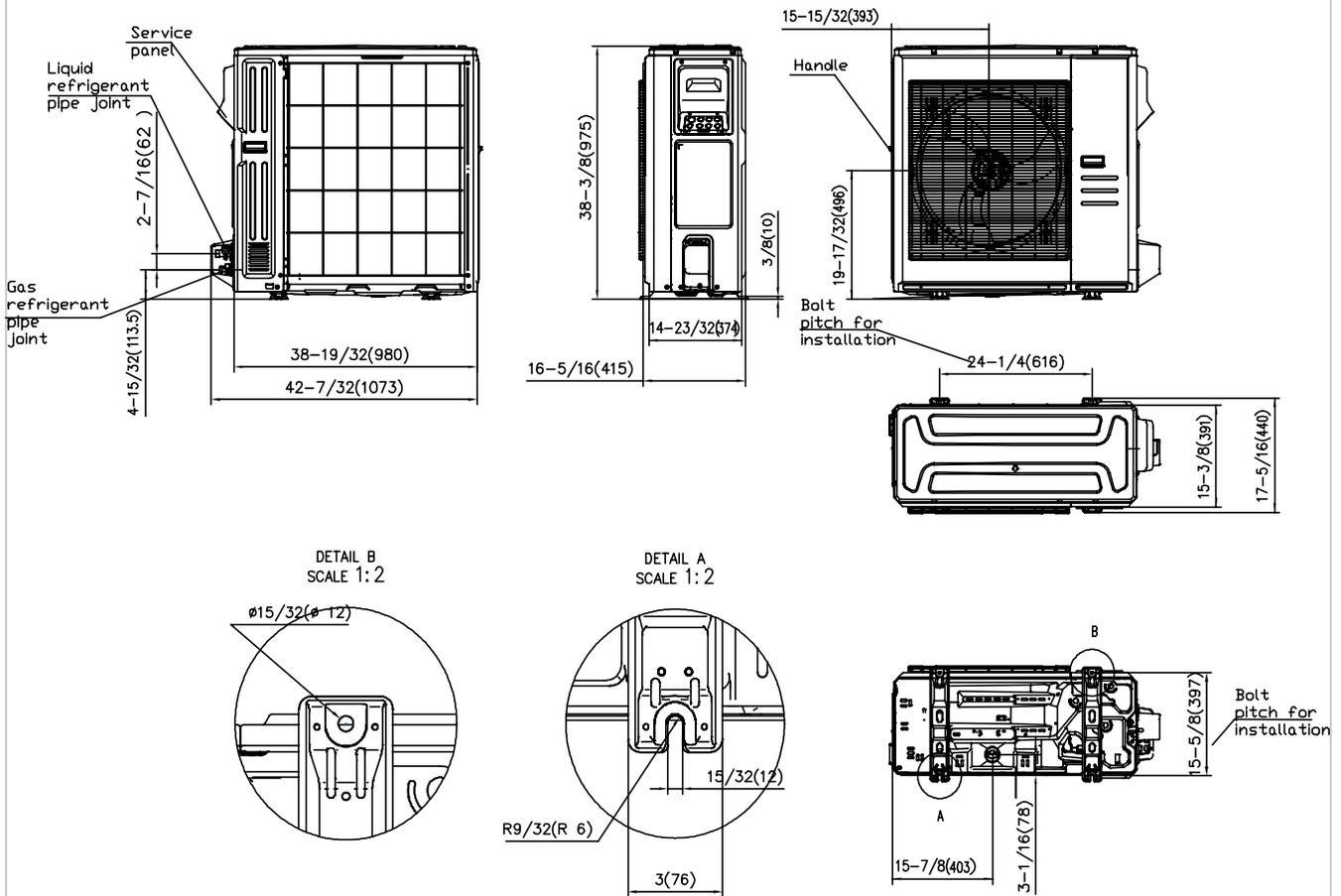
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|---|---------|
| Additional Charge of Refrigerant(oz/ft)/(g/m) | 0.7(65) |
| Connection Method | Flared |

Indoor Unit Dimensions

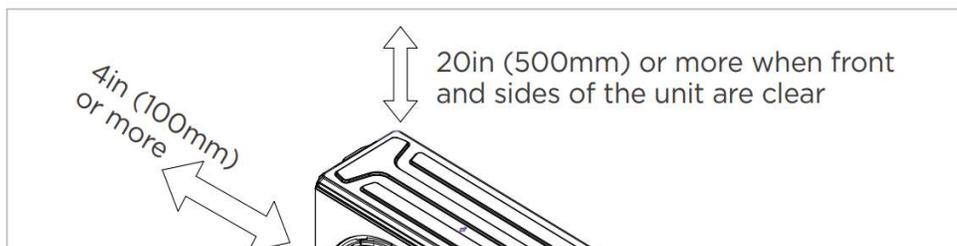


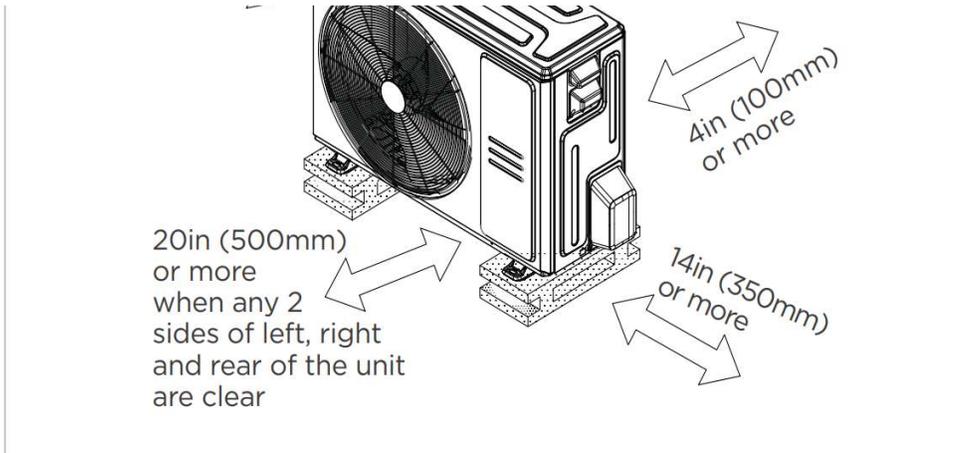
| Dimensions | Model | 18k/24k | | 30k/36k | | 48k/60k | |
|------------|------------------------------------|---------|------|---------|------|---------|------|
| | | inch | mm | inch | mm | inch | mm |
| A | Model Height | 45 | 1143 | 49 | 1245 | 53 | 1346 |
| B | Model Width | 17-1/2 | 445 | 21 | 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



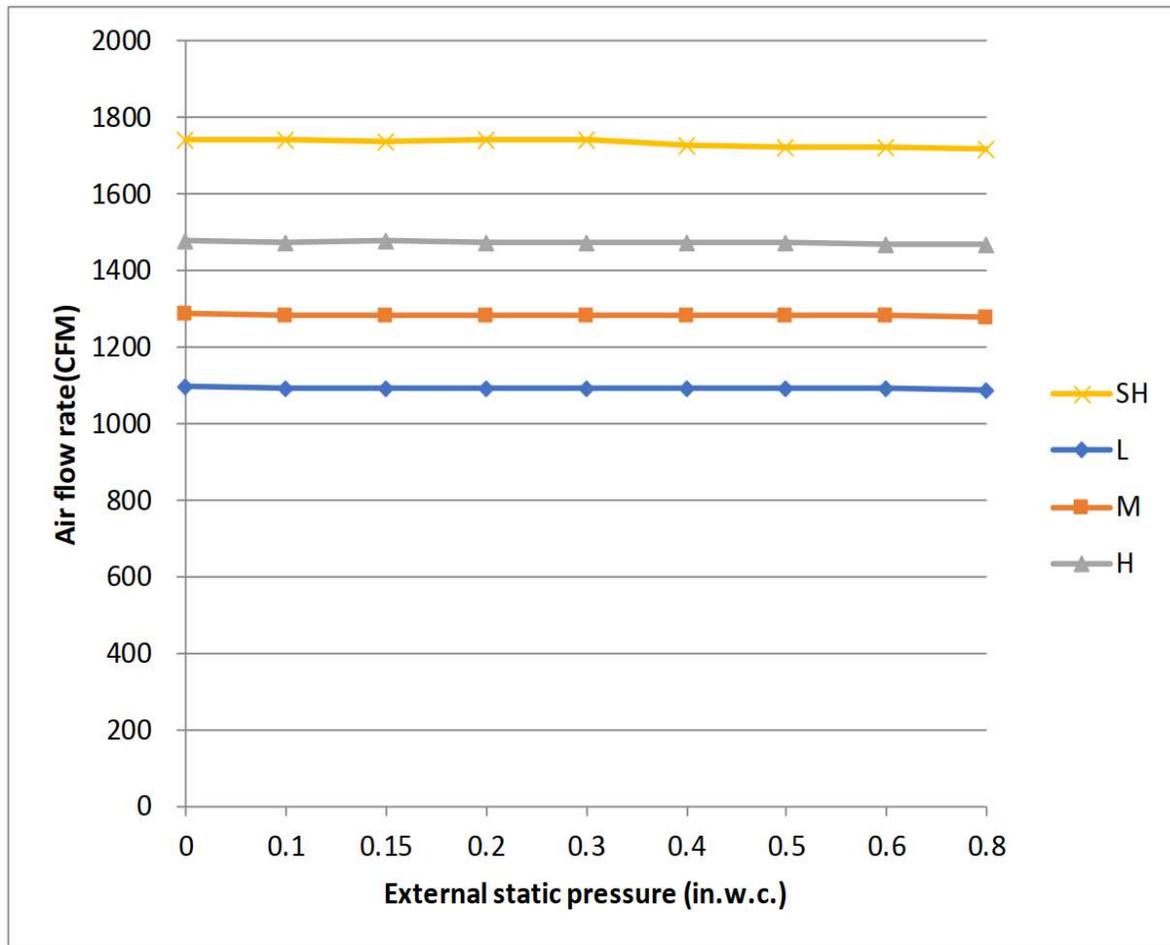
Installation Instruction For Outdoor Unit





- ☑ Meets all spatial requirements shown in Installation Clearance Requirements above.

Fan Performance For Indoor Unit



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
- Adaptive Control System
- High efficiency up to 19 SEER2, 12.5 EER2, 10.3 HSPF2
- 100% heat output at -4F*
- Chassis heater and crankcase heater equipped as standard

* For 36K model, rated cooling capacity/heating capacity at -4F=100%