

# SUBMITTAL DATA SHEET

Series Name: Multi Zone Hyper Heat Series  
Model Number: CCOXHBMZ427HP/DUCTED or MIXED



## Multi Zone Heat Pump System

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



## OUTDOOR SPECIFICATION

|                              |                       |
|------------------------------|-----------------------|
| Compressor Type              | ROTARY                |
| Compressor Model             | KTF310D43UMT          |
| Refrigerant                  | R454B                 |
| Refrigerant Oil Charge(mL)   | 1000                  |
| Refrigerant Oil              | VG74                  |
| Outdoor Air Flow (Max) (CFM) | 2148                  |
| Outdoor Noise Level (dBA)    | 61                    |
| Dimensions W×D×H (inches)    | 37.24 x 16.14 x 31.89 |
| Package W×D×H (inches)       | 42.91 x 19.68 x 34.84 |
| Net/Gross Weight lbs.        | 168.43/179.67         |

## ELECTRICAL

|                                  |                                        |
|----------------------------------|----------------------------------------|
| Power Supply                     | 208/230V,60Hz,1Ph                      |
| System MCA                       | 30                                     |
| Connection Wiring                | AWG 14-4                               |
| System MOCP                      | 35                                     |
| Compressor RLA                   | 17                                     |
| Outdoor Fan Motor RLA            | 1.3                                    |
| Outdoor Fan Motor W              | 120                                    |
| Indoor Fan Motor RLA             | /                                      |
| Indoor Fan Motor W               | /                                      |
| System Power Input @ Cooling (W) | 2333/(500 ~ 4500)                      |
| System Power Input @ Heating (W) | 2279/(500 ~4000)                       |
| 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   | 19.0 | HSPF2-4 | 9.5 |
| EER2    | 12   | COP     | 3.6 |

## COOLING PERFORMANCE (Btu/hr)

|                                 |                  |
|---------------------------------|------------------|
| Rated Capacity                  | 28000            |
| Min/Max Capacity                | 7200~38000       |
| Moisture Removal(L/h)           | 0.2              |
| 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)

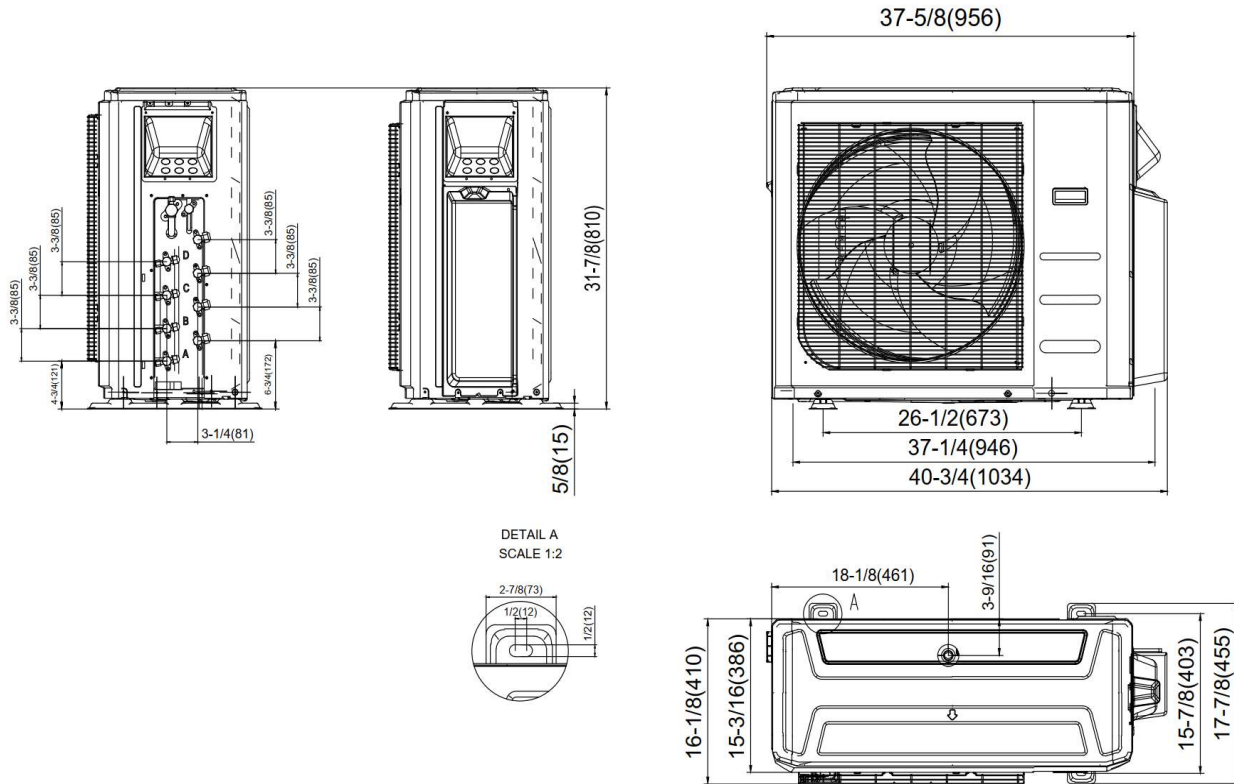
|                                     |                 |
|-------------------------------------|-----------------|
| 1. @ 47°F Rated                     | 28000           |
| 1. @ 47°F Min/Max Capacity          | 8400~38500      |
| 2. @ 17°F Rated(H32)                | 23000           |
| 3. @ 5°F Rated: Capacity / COP(H42) | 27000/2         |
| 3. @ 5°F Max: Capacity              | 27000           |
| 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

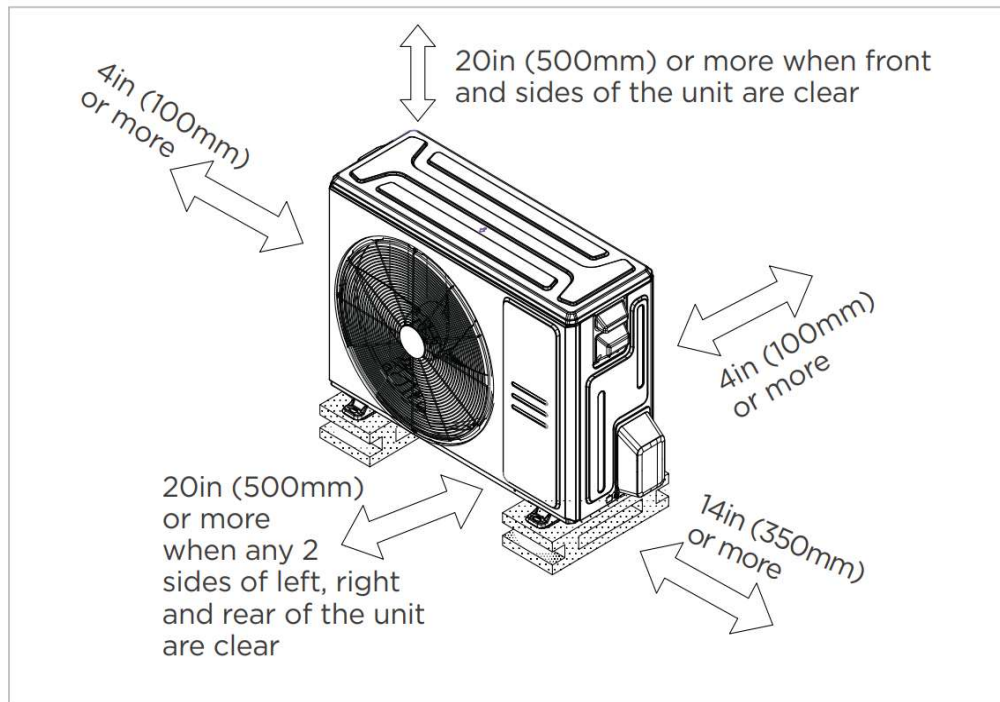
## PIPING

|                                                  |                                    |
|--------------------------------------------------|------------------------------------|
| Liquid Size                                      | 4x6.35mm(4x1/4in)                  |
| Gas Size                                         | 3x9.52mm+1x12.7mm(3x3/8in+1x1/2in) |
| Max. Piping Length for all rooms(ft/m)           | 262.4/(80)                         |
| Max. Piping Length for one IDU(ft/m)             | 114.8/(35)                         |
| Max. Height Difference of IDU and ODU(ft/m)      | 49.2/(15)                          |
| Refrigerant Pre-charge Amount(oz/kg)             | 120.63/(3.42)                      |
| Refrigerant Precharge Length(ft/m)               | 24.6(7.5)x4                        |
| Additional Charge 1/4" liquid pipe (oz/ft)/(g/m) | 0.16/(15)                          |
| Additional Charge 3/8" liquid pipe (oz/ft)/(g/m) | 0.32(30)                           |
| Connection Method                                | Flared                             |

### Outdoor Unit Dimensions



### Outdoor Unit Clearances



Meets all spatial requirements shown in Installation Clearance Requirements above.