

# SUBMITTAL DATA SHEET



Series Name: Cooling Only Acoil Series  
 Model Number: MAAHE-H36B-CA-UC/MO1AE-C30B-2A

## Air Handler Heat Pump System

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



## INDOOR SPECIFICATION

|                   |      |                          |
|-------------------|------|--------------------------|
| Dimension (W×D×H) | inch | 19-5/8 x 22-3/4 x 20-3/8 |
|                   | mm   | 499 x 578 x 518          |
| Package (W×D×H)   | inch | 22-5/8 x 26-1/8 x 26-3/8 |
|                   | mm   | 575 x 665 x 670          |
| Net/Gross Weight  | lbs  | 27.7 / 48.2              |
|                   | kg   | 12.6 / 21.9              |

## OUTDOOR SPECIFICATION

|                              |               |                          |
|------------------------------|---------------|--------------------------|
| Compressor Type              | ROTARY        |                          |
| Compressor Model             | KTM240D46UKT2 |                          |
| Refrigerant                  | R454B         |                          |
| Refrigerant Oil Charge(mL)   | 620           |                          |
| Refrigerant Oil              | VG74          |                          |
| Outdoor Air Flow (Max) (CFM) | 1,825         |                          |
| Outdoor Noise Level (dBA)    | 58            |                          |
| Dimension (W×D×H)            | inch          | 35 x 13-1/2 x 26-1/2     |
|                              | mm            | 890 x 342 x 673          |
| Package (W×D×H)              | inch          | 39-1/8 x 15-5/8 x 29-1/8 |
|                              | mm            | 995 x 398 x 740          |
| Net/Gross Weight             | lbs           | 98.33/105.60             |
|                              | kg            | 44.6/47.9                |

## EFFICIENCY

| Cooling |      | Heating |   |
|---------|------|---------|---|
| SEER2   | 15.2 | HSPF2-4 | / |
| EER2    | 10.2 | COP     | / |

## PERFORMANCE of Cooling

| Cooling (Btu/hr)                |   |
|---------------------------------|---|
| Rated Capacity                  | 29,000  |
| Min/Max Capacity                | 8,200~31,000  |
| Moisture Removal(L/h)           | 3.5   |
| Standard Operating Range(°F/°C) | -13~122(-25 ~ 50)                                   |
| Rated Cooling Conditions:       | Indoor: 80°F DB/67°F WB<br>Outdoor: 95°F DB/75°F WB |

## PERFORMANCE of Heating

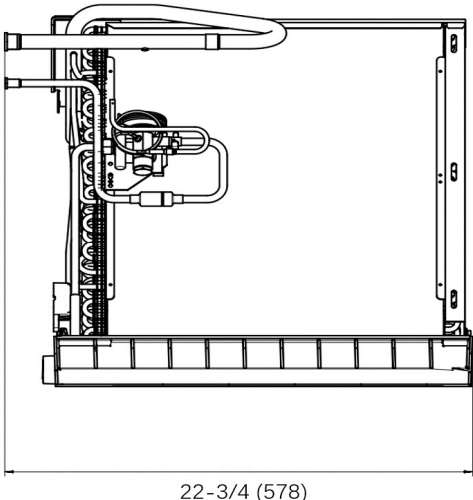
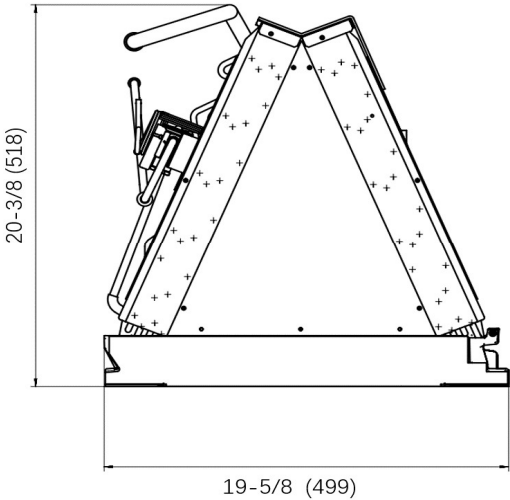
| Heating (Btu/hr)  |   |
|---|---|
| 1. @ 47°F Rated   | /   |
| 2. @ 47°F Min/Max Capacity                                    | /   |
| 3. @ 17°F Rated   | /   |
| 4. @ 5°F Rated: Capacity / COP                                | ///   |
| 5. @ 5°F Max: Capacity  | /   |
| Standard Operating Range(°F/°C)                               | /(/)  |
| 1. Rated Heating Conditions:                                  | Indoor: 70°F DB/60°F WB<br>Outdoor: 47°F DB/43°F WB |
| 2. Rated Heating Conditions:                                  | Indoor: 70°F DB/60°F WB<br>Outdoor: 17°F DB/15°F WB |
| 3. Heating Conditions, Compressor Operating at Max. Frequency | Indoor: 70°F DB/60°F WB<br>Outdoor: 5°F DB/5°F WB   |

## ELECTRICAL

|                                  |  |
|----------------------------------|--|
| Indoor Power Supply              | 24V, 60Hz, 1Ph                         |
| Indoor MCA 115V/(208/230V)       | /                                      |
| Indoor MOP                       | /                                      |
| Outdoor Power Supply             | 208/230, 60Hz, 1Ph                     |
| Outdoor MCA                      | 20                                     |
| Outdoor MOP                      | 20                                     |
| Communication Wiring             | AWG 20-2                               |
| Compressor RLA                   | 15                                     |
| Outdoor Fan Motor RLA            | 1                                      |
| Outdoor Fan Motor W              | /                                      |
| Indoor Fan Motor RLA             | /                                      |
| Indoor Fan Motor W               | /                                      |
| System Power Input @ Cooling (W) | 2,843(630 ~ 2,930)                     |
| System Power Input @ Heating (W) | /(/)                                   |
| MCA: Min. circuit amps (A)       | MOCP: Max. over current protection (A) |
| RLA: Rated load amps (A)         | W: Fan motor rated output (W)          |

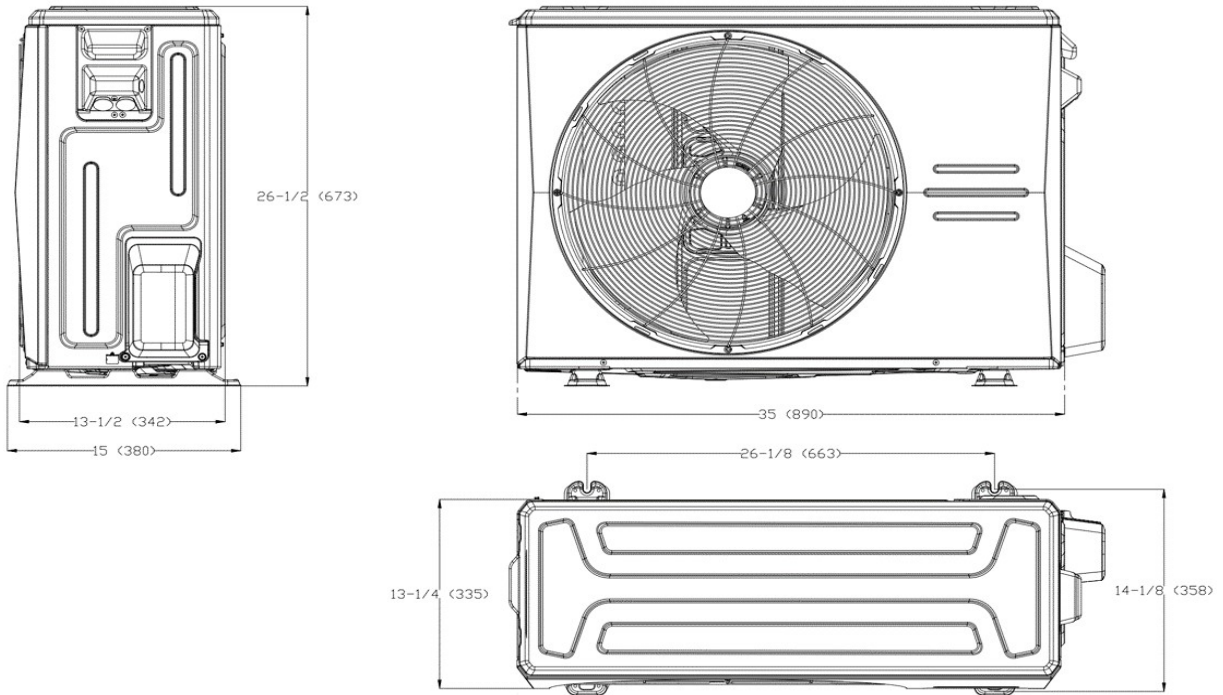
## PIPING

|   |               |
|---|---------------|
| Throttle type(Indoor)                         | TXV           |
| Throttle type(Outdoor)                        | /             |
| Liquid Size                                   | 9.52mm(3/8in) |
| Gas Size                                      | 19mm(3/4in)   |
| Max. Piping Length(ft/m)                      | 164(50)       |
| Max. Height Difference(ft/m)                  | 98(30)        |
| Max. Pre-charged Length(ft/m)                 | 24.6(7.5)     |
| Refrigerant Pre-charged Amount(oz/kg)         | 81.13(2.30)   |
| Additional Charge of Refrigerant(oz/ft)/(g/m) | 0.7(65)       |
| Connection Method                             | Flared        |

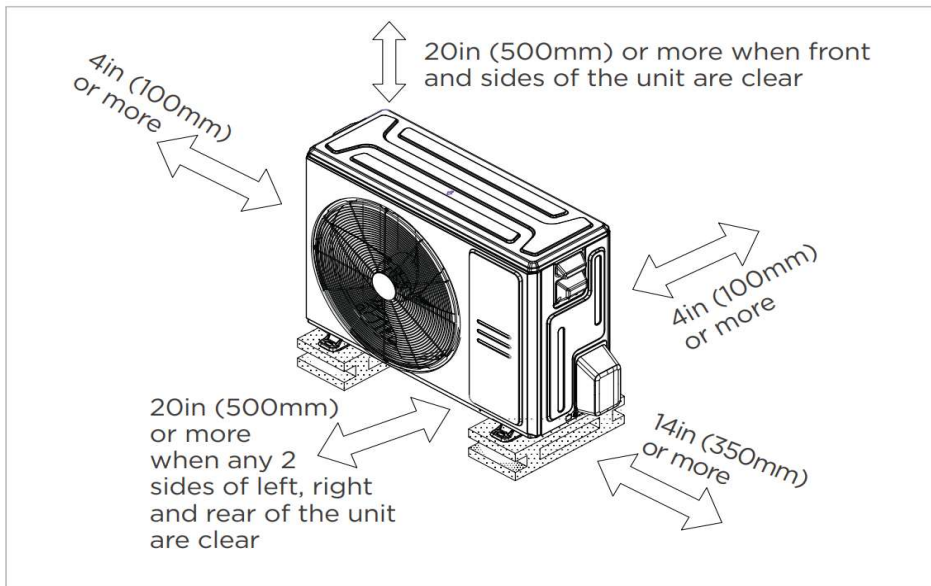


Outdoor Unit Dimension

Unit:inch(mm)



Installation Instruction For Outdoor Unit



Meets all spatial requirements shown in Installation Clearance Requirements above.

#### Features

- Multi-position installation: horizontal(left or right), vertical( up or down)
- Aluminum Coil
- R454B refrigerant sensor
- Easy Maintenance
- Multiple control options available:
  - Two-way communication wired controller with built-in Wi-Fi:120N(X6W)
  - Third-Party 24V Thermostat