

SUBMITTAL DATA SHEET



Series Name: Cooling Only Acoil Series
Model Number: MAAHE-H36B-CA/M01AE-C30B-2A

Air Handler Heat Pump System

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



INDOOR SPECIFICATION

| | | |
|-------------------|------|--------------------------|
| Dimension (WxDxH) | inch | 21 x 21 x 24 |
| | mm | 534x533x611 |
| Package (WxDxH) | inch | 20-1/2 x 26-1/8 x 26-3/8 |
| | mm | 610x665x685 |
| Net/Gross Weight | lbs | 64/74 |
| | kg | 29.2/33.6 |

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 (WxDxH) | inch | 35 x 13-1/2 x 26-1/2 |
| | mm | 890 x 342 x 673 |
| Package (WxDxH) | 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 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 Outdoor: 47°F DB/43°F WB |
| 2. Rated Heating Conditions: | 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 |

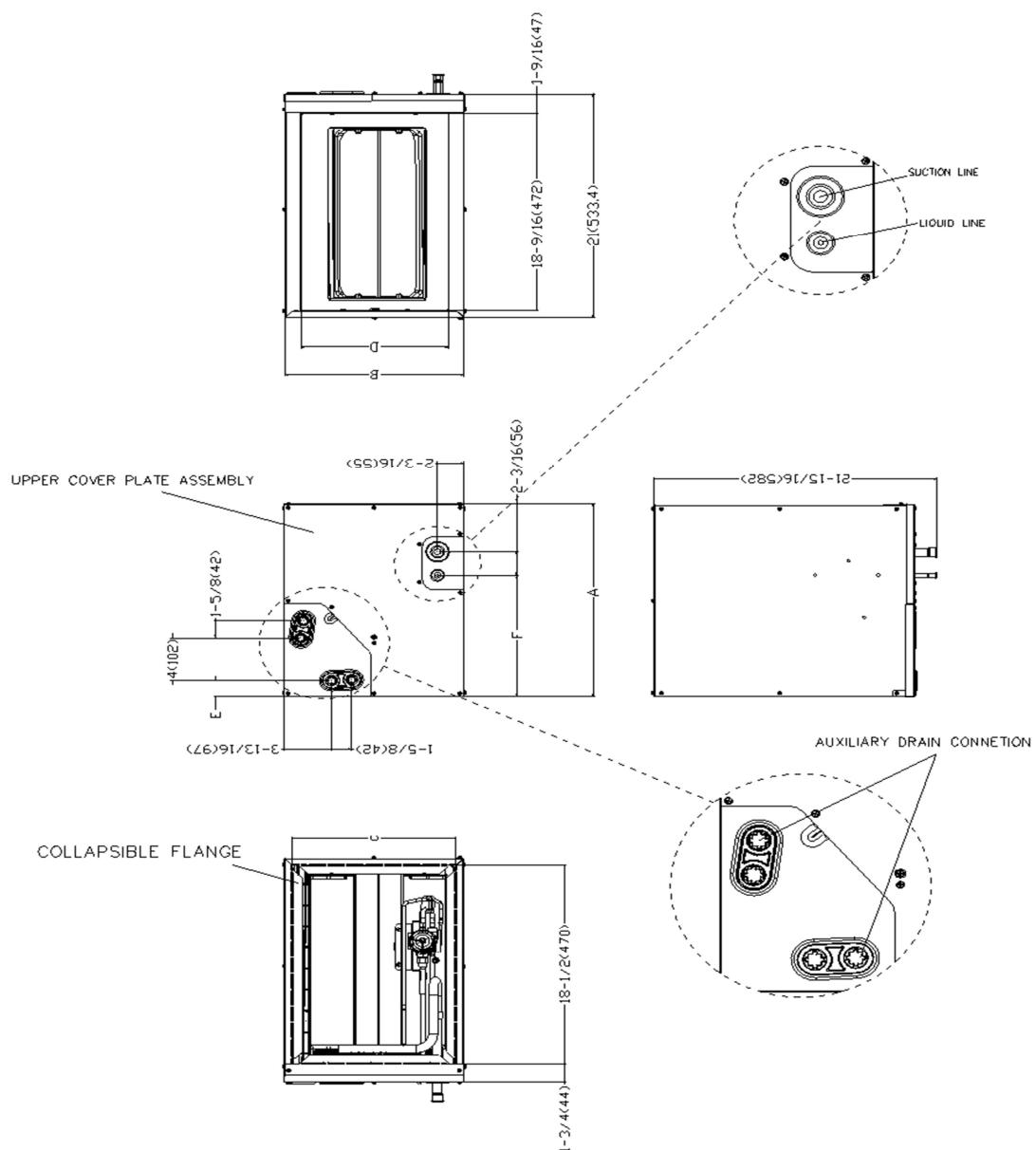
ELECTRICAL

| | |
|----------------------------------|--|
| 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 |

Indoor Unit Dimension

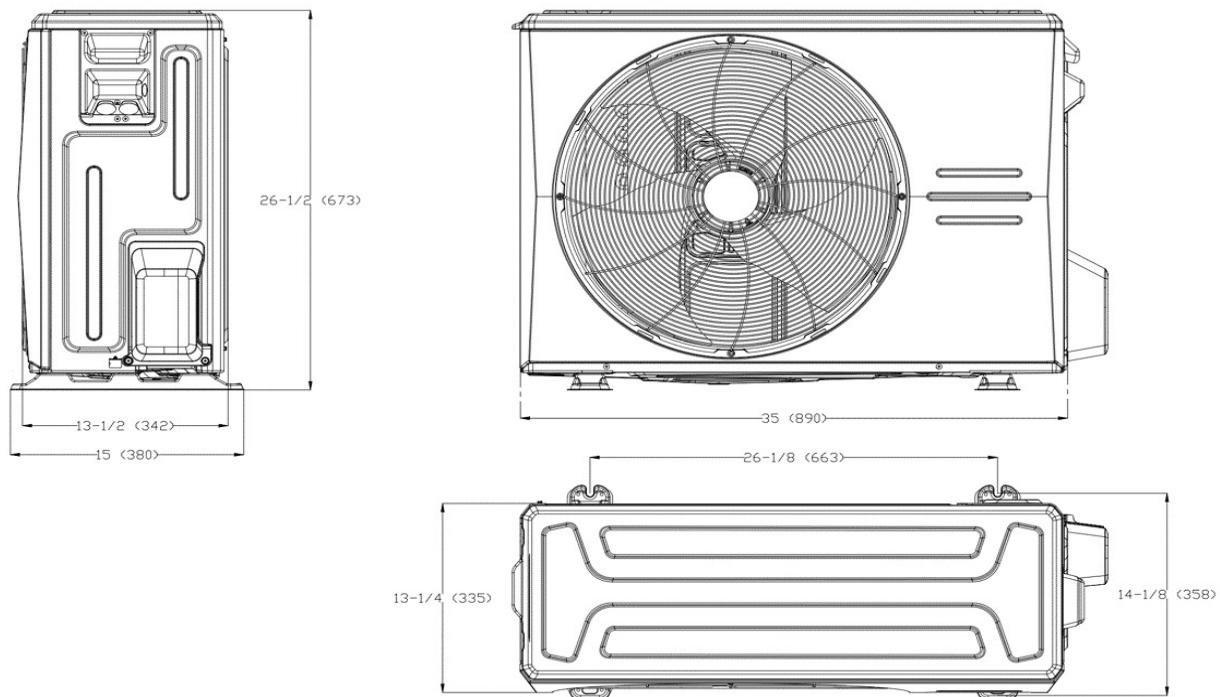


| Model(Btu/h) | | 24-A | | 36-A | | 36-B | |
|--------------|--------------------------|----------|-----|----------|-----|----------|-----|
| Dimensions | | inch | mm | inch | mm | inch | mm |
| A | Model Height | 18 | 457 | 23-5/16 | 592 | 23-1/2 | 599 |
| B | Model Width | 14-1/2 | 368 | 14-1/2 | 368 | 17-1/2 | 445 |
| C | Supply Air Opening Width | 13-1/4 | 336 | 13-1/4 | 336 | 16-3/16 | 411 |
| D | Return Air Opening Width | 11-15/16 | 303 | 11-15/16 | 303 | 14-15/16 | 380 |
| E | Condensate Drains Height | 1-7/16 | 38 | 1-7/16 | 38 | 1-7/16 | 38 |
| F | Liquid Line Height | 11-3/8 | 290 | 17-15/16 | 455 | 16-3/8 | 417 |

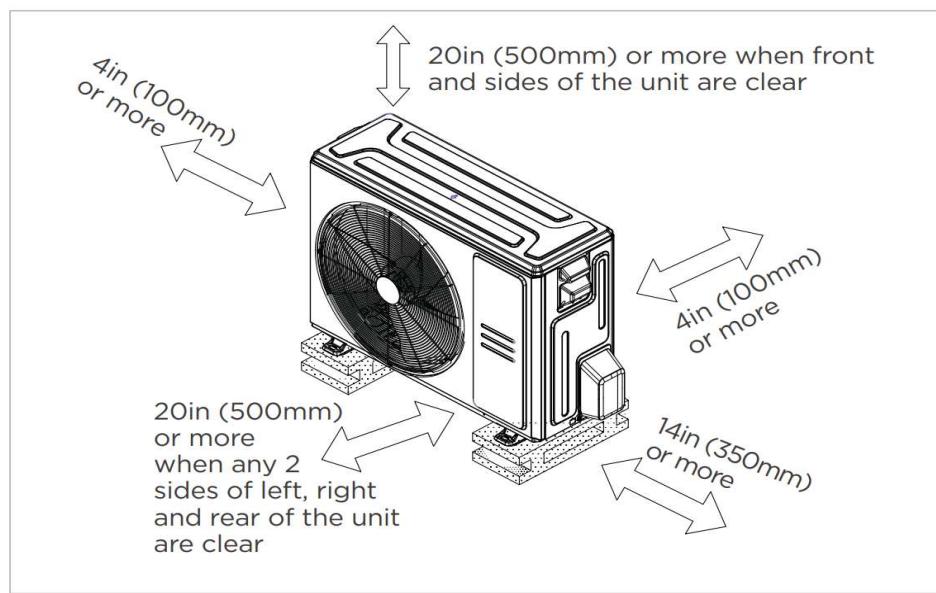
| Model(Btu/h) | | 24-B | | 36-C | |
|--------------|--------------------------|----------|-----|---------|-----|
| Dimensions | | inch | mm | inch | mm |
| A | Model Height | 18 | 457 | 24 | 611 |
| B | Model Width | 17-1/2 | 445 | 21 | 534 |
| C | Supply Air Opening Width | 16-3/16 | 411 | 19-3/4 | 502 |
| D | Return Air Opening Width | 14-15/16 | 380 | 18-7/16 | 468 |
| E | Condensate Drains Height | 1-7/16 | 38 | 2-3/16 | 55 |
| F | Liquid Line Height | 11-3/8 | 290 | 17-1/2 | 445 |

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
- Crankcase heater equipped as standard