

| Air Handler Heat Pump System |               |
|------------------------------|---------------|
| Location:                    | Approval:     |
| Engineer:                    | Date:         |
| Submitted to:                | Construction: |
| Submitted by:                | Unit #:       |
| Reference:                   | Drawing #:    |



| INDOOR SPECIFICATION |      |                       |
|----------------------|------|-----------------------|
| Dimension (W×D×H)    | inch | 17.52 x 20.98 x 17.99 |
|                      | mm   | 445×533×457           |
| Package (W×D×H)      | inch | 20.47 x 26.18 x 20.87 |
|                      | mm   | 520×665×530           |
| Net/Gross Weight     | lbs  | 42/50                 |
|                      | kg   | 19/22.5               |

| OUTDOOR SPECIFICATION        |      |                       |
|------------------------------|------|-----------------------|
| Compressor Type              |      | ROTARY                |
| Compressor Model             |      | KTM240D46UKT2         |
| Refrigerant                  |      | R454B                 |
| Refrigerant Oil Charge(mL)   |      | 620                   |
| Refrigerant Oil              |      | VG74                  |
| Outdoor Air Flow (Max) (CFM) |      | 1,766                 |
| Outdoor Noise Level (dBA)    |      | 56                    |
| Dimension (W×D×H)            | inch | 35.04 x 13.46 x 26.50 |
|                              | mm   | 890×342×673           |
| Package (W×D×H)              | inch | 39.17 x 15.67 x 29.13 |
|                              | mm   | 995×398×740           |
| Net/Gross Weight             | lbs  | 89.29/97.00           |
|                              | kg   | 40.5/44               |

| EFFICIENCY |      |         |   |
|------------|------|---------|---|
| Cooling    |      | Heating |   |
| SEER2      | 15.5 | HSPF2-4 | / |
| EER2       | 10.6 | COP     | / |

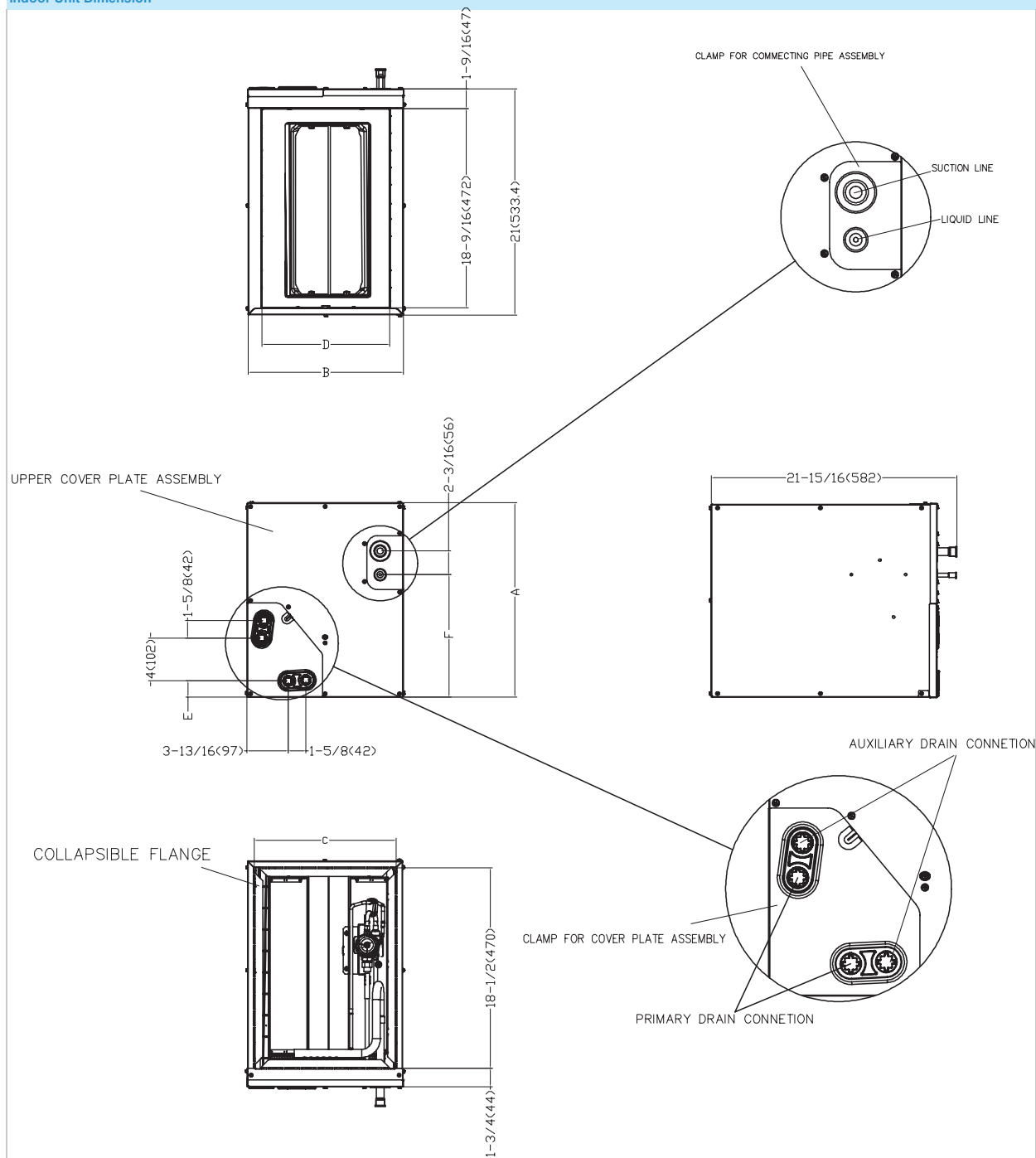
| PERFORMANCE of Cooling          |                                                     |
|---------------------------------|-----------------------------------------------------|
| Cooling (Btu/hr)                |                                                     |
| Rated Capacity                  | 23,000                                              |
| Min/Max Capacity                | 7,600~28,700                                        |
| Moisture Removal(L/h)           | 2.7                                                 |
| 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 | Indoor: 70°F DB/60°F WB                             |
| Operating at Max. Frequency       | 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                      | 19                                     |
| Outdoor MOP                      | 20                                     |
| Communication Wiring             | AWG 20-2                               |
| Compressor RLA                   | 14                                     |
| Outdoor Fan Motor RLA            | 0.8                                    |
| Outdoor Fan Motor W              | /                                      |
| Indoor Fan Motor RLA             | /                                      |
| Indoor Fan Motor W               | /                                      |
| System Power Input @ Cooling (W) | 2,170(600 ~ 3,450)                     |
| 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)          |

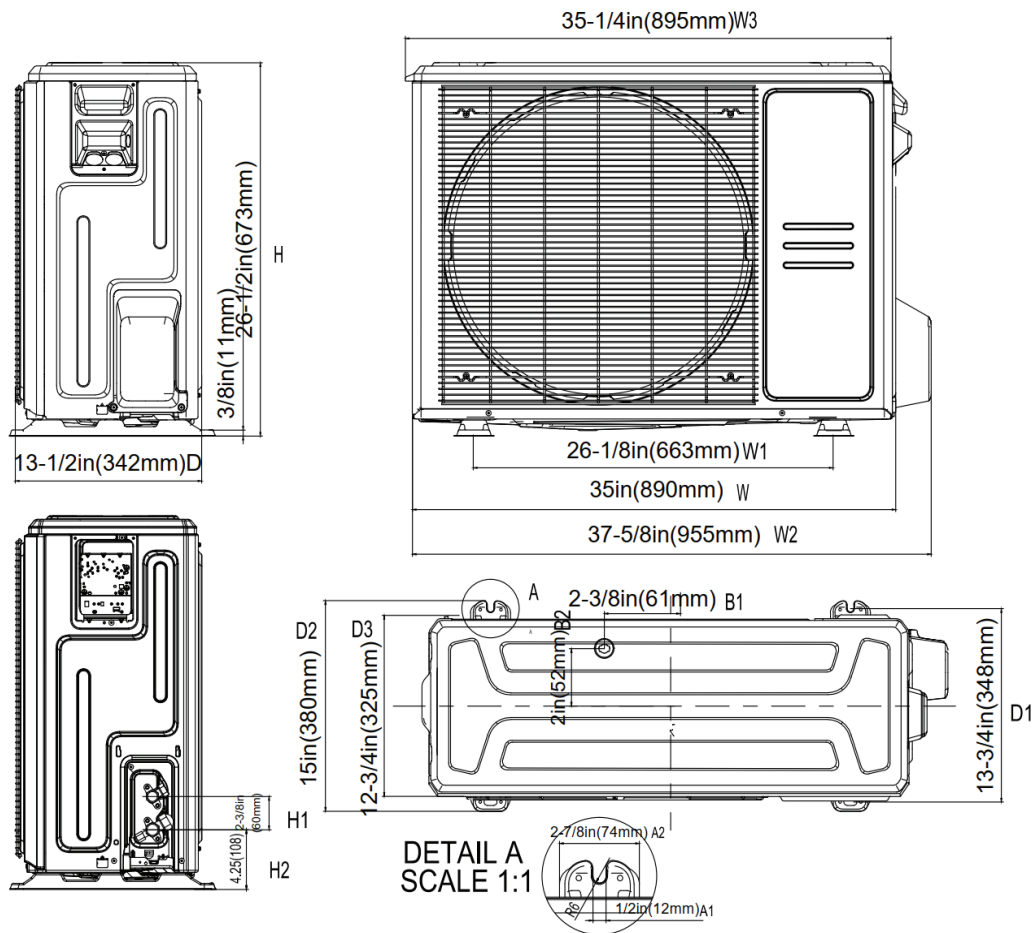
| PIPING                                          |               |
|-------------------------------------------------|---------------|
| Throttle type(Indoor)                           | EXV           |
| Throttle type(Outdoor)                          | /             |
| Liquid Size                                     | 9.52mm(3/8in) |
| Gas Size                                        | 19mm(3/4in)   |
| Max. Piping Length(ft/m)                        | 164(50)       |
| Max. Height Difference(ft/m)                    | 82(25)        |
| Max. Pre-charged Length(ft/m)                   | 24.6(7.5)     |
| Refrigerant Pre-charged Amount(oz/kg)           | 52.21(1.48)   |
| Additional Charge of Refrigerant((oz/ft)/(g/m)) | 0.7(65)       |
| Connection Method                               | Flared        |

# Indoor Unit Dimension

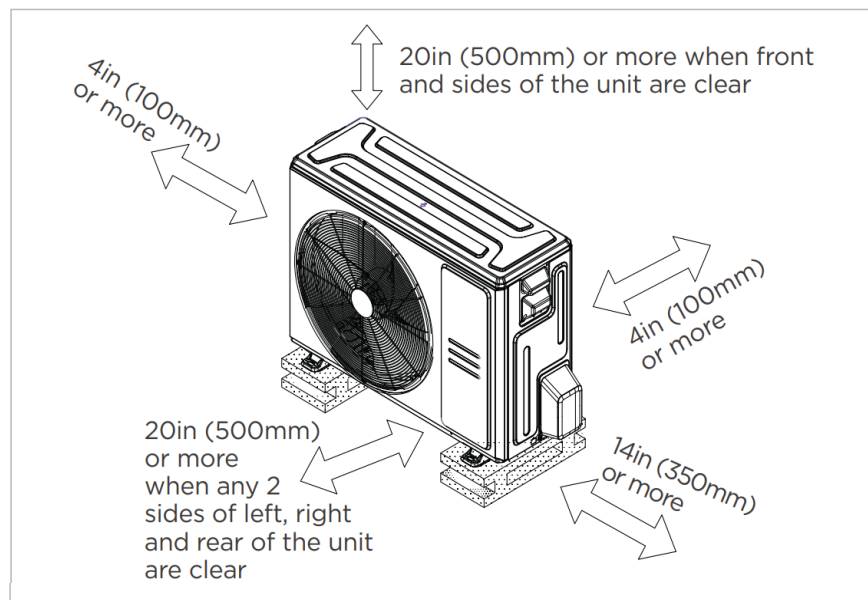


| Model/Dimensions |                          | MXP18/24B1A |        | MXP18/24A1A |     | MXP24/36A1A |     | MXP24/36B1A |     | MXP24/36C1A |     | MXP48/60C1A |     | MXP48/60D1A |     |
|------------------|--------------------------|-------------|--------|-------------|-----|-------------|-----|-------------|-----|-------------|-----|-------------|-----|-------------|-----|
|                  |                          | inch        | mm     | inch        | mm  | inch        | mm  | inch        | mm  | inch        | mm  | inch        | mm  | inch        | mm  |
| A                | Model Height             | 18          | 457    | 18          | 457 | 23-5/16     | 592 | 23-9/16     | 599 | 24          | 611 | 24          | 611 | 28          | 711 |
| B                | Model Width              | 17-1/2      | 445    | 14-1/2      | 368 | 14-1/2      | 368 | 17-1/2      | 445 | 21          | 534 | 21          | 534 | 24-1/2      | 622 |
| C                | Supply Air Opening Width | 16-3/16     | 411    | 13-1/4      | 336 | 13-1/4      | 336 | 16-3/16     | 411 | 19-3/4      | 502 | 19-3/4      | 502 | 23-1/4      | 591 |
| D                | Return Air Opening Width | 14-5/16     | 380    | 11-15/16    | 303 | 11-15/16    | 303 | 14-15/16    | 380 | 19-1/2      | 498 | 19-1/2      | 498 | 23-1/8      | 587 |
| E                | Condensate Drains Height | 1-7/16      | 1-7/16 | 1-7/16      | 38  | 1-7/16      | 38  | 1-7/16      | 38  | 2-3/16      | 55  | 2-3/16      | 55  | 2-3/16      | 55  |
| F                | Liquid Line Height       | 11-3/8      | 290    | 11-3/8      | 290 | 17-5/16     | 455 | 16-3/8      | 417 | 17-1/2      | 445 | 17-1/2      | 445 | 21-7/16     | 545 |

## Outdoor Unit Dimension



## 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 WiFi:120N(X6W)
  - Third-Party 24V Thermostat