



## Submittal Data Sheet

Series Name: Universal  
Model Number: UHP18024-O / UAH18024-O

### High Wall Heat Pump System

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

\* Refer to AHRI for Certificates



| INDOOR SPECIFICATION                |         |                           |
|-------------------------------------|---------|---------------------------|
| ESP                                 | in.W.G. | 0-1.0                     |
| Indoor Air Flow (Turbo/H/M/L/Si)    | CFM     | 824/759.3/694.5/629.8/N/A |
| Indoor Noise Level (Turbo/H/M/L/Si) | dBA     | N/A/47.5/44/33/N/A        |
| Dimension (WxDxH)                   | inch    | 14.49 x 21.5 x 49.72      |
|                                     | mm      | 368 x 546 x x 1263        |
| Package (WxDxH)                     | inch    | 52.95 x 31.1 x 17.52      |
|                                     | mm      | 1345 x 790 x 445          |
| Net/Gross Weight                    | lbs     | 123.02/154.76             |
|                                     | kg      | 55.8/70.2                 |

| OUTDOOR SPECIFICATION  |      |                       |
|------------------------|------|-----------------------|
| Compressor Type        |      | ROTARY                |
| Compressor Model       |      | KTM240D46UKT2         |
| Refrigerant Type       |      | R454B                 |
| Refrigerant Oil Charge | mL   | 620                   |
| Refrigerant Oil        |      | VG74                  |
| Outdoor Air Flow (Max) | CFM  | 1765.8                |
| Outdoor Noise Level    | dBA  | 59                    |
| Dimension (WxDxH)      | inch | 35.04 x 13.46 x 26.5  |
|                        | mm   | 890 x 342 x 673       |
| Package (WxDxH)        | inch | 39.17 x 15.67 x 29.13 |
|                        | mm   | 995 x 398 x 740       |
| Net/Gross Weight       | lbs  | 102.29/109.13         |
|                        | kg   | 46.4/49.5             |

| EFFICIENCY |      |         |      |
|------------|------|---------|------|
| Cooling    |      | Heating |      |
| SEER2      | 18.6 | HSPF2-4 | 10   |
| EER2       | 12   | COP     | 3.49 |

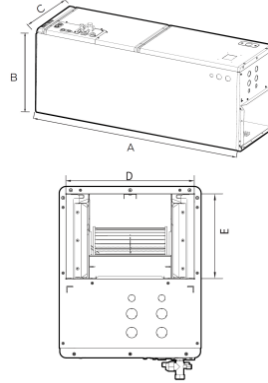
| PERFORMANCE of Cooling          |                          |       |
|---------------------------------|--------------------------|-------|
| Cooling (Btu/hr)                |                          |       |
| Rated Capacity                  | 24000                    |       |
| Min/Max Capacity                | 6400                     | 28700 |
| Moisture Removal(L/h)           | 2.23                     |       |
| Standard Operating Range(°F/°C) | -22~122 (-30~50)         |       |
|                                 | Indoor: 80°F DB/67°F WB  |       |
| Conditions:                     | Outdoor: 95°F DB/75°F WB |       |

| PERFORMANCE of Heating          |                          |       |
|---------------------------------|--------------------------|-------|
| Heating (Btu/hr)                |                          |       |
| 1. @ 47°F Rated                 | 24000                    |       |
| 1. @ 47°F Min/Max Capacity      | 6700                     | 29100 |
| 2. @ 17°F Rated                 | 19000                    |       |
| 2. @ 5°F Rated: Capacity / COP  | 20600                    | 2.14  |
| 3. @ 5°F Max: Capacity          | 20600                    |       |
| Standard Operating Range(°F/°C) | -22~75 (-30~24)          |       |
|                                 | Indoor: 70°F DB/60°F WB  |       |
| 1. Conditions:                  | Outdoor: 47°F DB/43°F WB |       |
|                                 | Indoor: 70°F DB/60°F WB  |       |
| 2. Conditions:                  | Outdoor: 17°F DB/15°F WB |       |
|                                 | Indoor: 70°F DB/60°F WB  |       |
| 3. Conditions                   | Outdoor: 5°F DB/5°F WB   |       |
|                                 | Indoor: 70°F DB/60°F WB  |       |

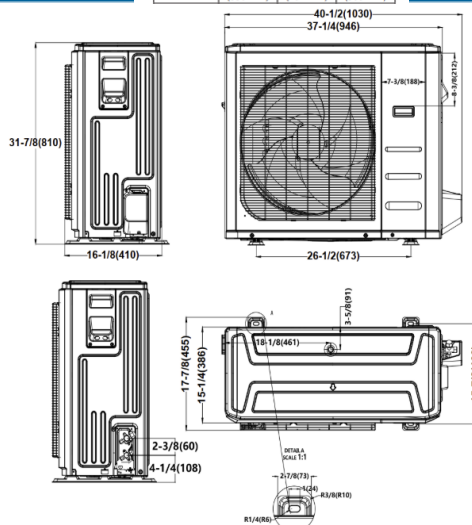
| ELECTRICAL                   |           |                         |
|------------------------------|-----------|-------------------------|
| Power Supply                 | V, Hz, Ph | 115/208/230V, 60Hz, 1Ph |
| Indoor MCA 115V/(208/230V)   | A         | 5.5/3.5                 |
| Indoor MOP                   | A         | 15                      |
| Outdoor Power Supply         | V         | 208/230V, 60Hz, 1Ph     |
| Outdoor MCA                  | A         | 19                      |
| Outdoor MOP                  | A         | 20                      |
| Communication Wiring         | AWG       | 20-2                    |
| Compressor RLA               | A         | 14                      |
| Outdoor Fan Motor RLA        | A         | 1                       |
| Outdoor Fan Motor            | W         | 80                      |
| Indoor Fan Motor RLA         | A         | 2.5                     |
| Indoor Fan Motor             | W         | N/A                     |
| System Power Input @ Cooling | W         | 2150 (830~2850)         |
| System Power Input @ Heating | W         | 2150 (405~2450)         |

| PIPING                           |               |                        |
|----------------------------------|---------------|------------------------|
| Throttle Type                    | Indoor        | EXV                    |
| Throttle Type                    | Outdoor       | EXV                    |
| Liquid Size                      | mm (in)       | 9.52mm (3/8in)         |
| Gas Size                         | mm (in)       | 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 Amt.     | oz/g          | 74.08 (2.1)            |
| Additional Charge of Refrigerant | (oz/ft)/(g/m) | 0.7 (65)               |
| Connection Method                |               | Flare or Quick Connect |

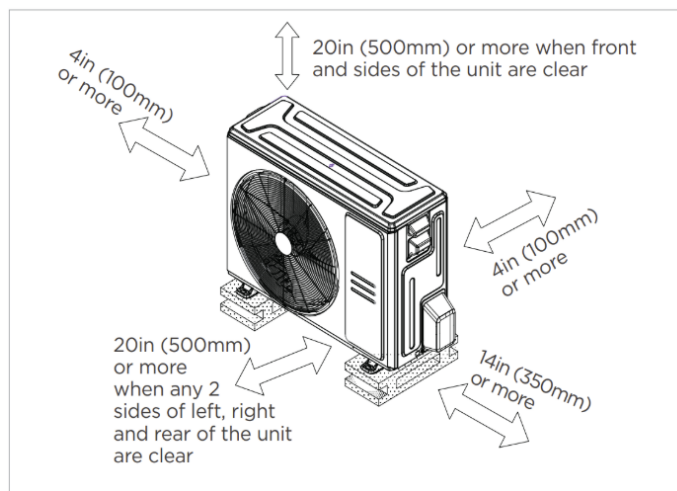
Dimensions



| Dimensions  | Model Capacity (BTU/H) |                       |                       |
|-------------|------------------------|-----------------------|-----------------------|
|             | 24K                    | 30K/36K               | 48K/60K               |
| Length of A | 49-3/4 in<br>(1263 mm) | 54 in<br>(1371 mm)    | 56 in<br>(1421 mm)    |
| Length of B | 21-1/2 in<br>(546 mm)  | 21-1/2 in<br>(546 mm) | 21-1/2 in<br>(546 mm) |
| Length of C | 14-1/2 in<br>(368 mm)  | 17-1/2 in<br>(445 mm) | 21-1/2 in<br>(546 mm) |

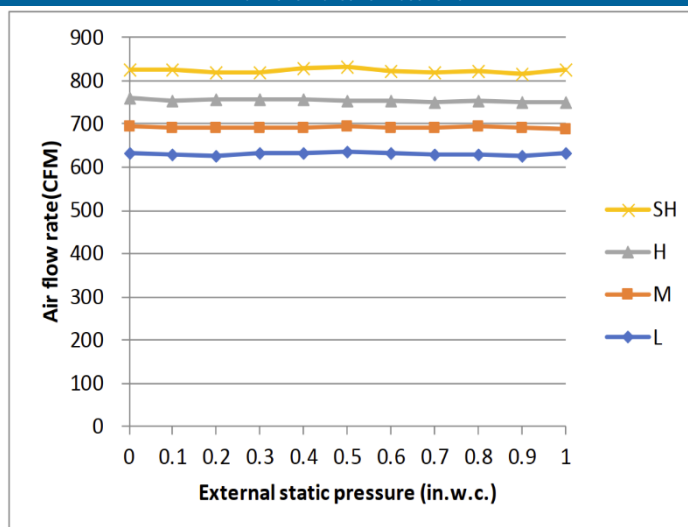


## Installation Instruction



- ☒ 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)

- 115/230V voltage compatible for IDU
- Aluminum Coil
- Constantly Air Flow system up to 0.10 In.W.G
- Optional Auxiliary heat kit up to 20kW
- Easy Maintenance
- Control options available:
  - MRCOOL Smart 24V Thermostat
- Adaptive Control System
- High efficiency up to 19 SEER2, 12.5 EER2, 10.8 HSPF2
- 100% heat output at -13F
- Chassis heater and crankcase heater equipped as standard