

Job Name: \_\_\_\_\_

Location: \_\_\_\_\_

Engineer: \_\_\_\_\_

Submitted to: \_\_\_\_\_

Submitted by: \_\_\_\_\_

Reference: \_\_\_\_\_

Date: \_\_\_\_\_

Approval: \_\_\_\_\_

Construction: \_\_\_\_\_

Unit #: \_\_\_\_\_

Drawing #: \_\_\_\_\_

### KEY FEATURES:

- Cooling-only outdoor unit
- Inverter-driven DC compressor
- 24V communicating controls
- Available in 1.5–3 ton capacities
- R-454B refrigerant
- Variable-speed condenser fan
- Soft start / low inrush current
- Quiet operation
- High SEER2 efficiency
- Excellent humidity removal through inverter capacity control

### NOTES:

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\_\_\_\_\_

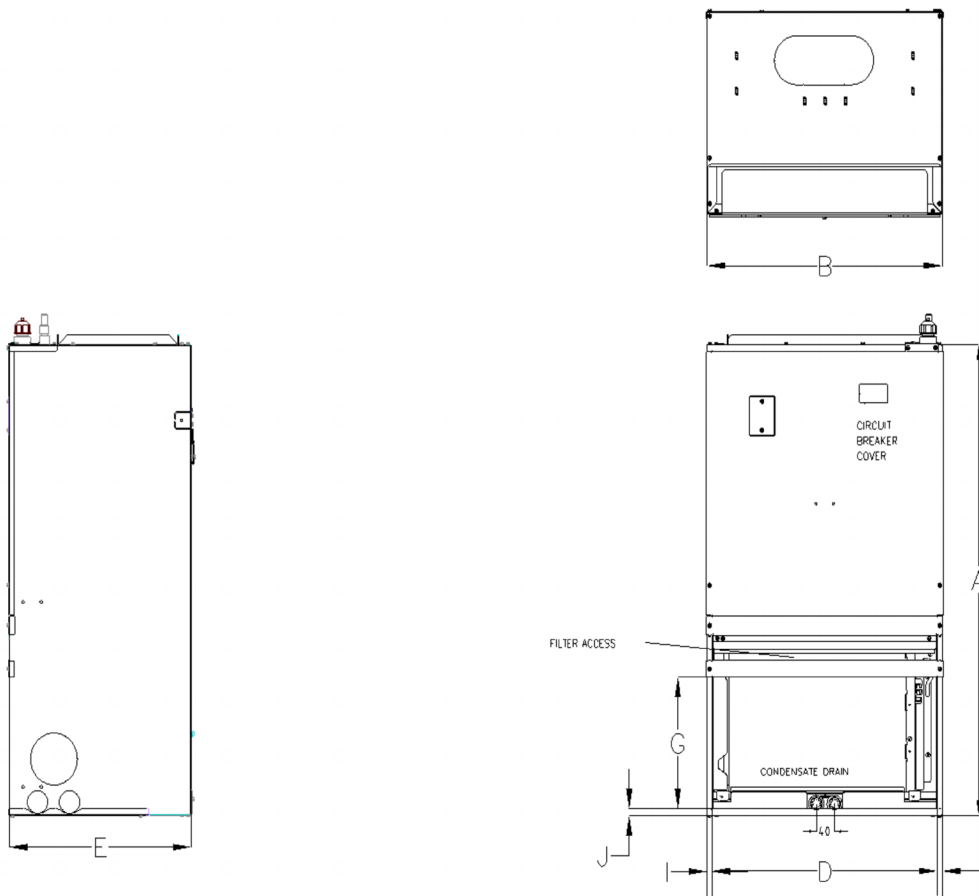
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|                                             |                    |           |                               |
|---------------------------------------------|--------------------|-----------|-------------------------------|
| <b>Indoor Model</b>                         |                    |           | <b>CH-STM30AHU24V</b>         |
| Power supply                                |                    | V, Ph, Hz | 115/208/230V,60Hz             |
| Communication wiring                        |                    |           | AWG 20x2                      |
| Cooling                                     | Capacity           | Btu/h     | 8900~30000                    |
|                                             | Input              | w         | 2750 (780~2950)               |
|                                             | Rated current      | A         | 12.0 (6.0~13.0)               |
|                                             | EER/EER2           | Btu/w     | 10.9                          |
|                                             | SEER/SEER2         | Btu/w     | 17.4                          |
| Heating at 47 °F                            | Capacity           | Btu/h     | 30000 (8900~30000)            |
|                                             | Input              | W         | 2750 (780~2950)               |
|                                             | Rated current      | A         | 12.0 (6.0~13.0)               |
|                                             | COP                | W/W       | /                             |
|                                             | HSPF4/HSPF2-4      |           | /                             |
|                                             | HSPF5/HSPF2-5      |           |                               |
| Indoor fan motor                            |                    | Qty       | 1                             |
|                                             |                    | Input     | 375                           |
|                                             |                    | RLA       | 4.5                           |
| Indoor air flow (Turbo/Hi/Med/Lo) (No duct) |                    | CFM       | 988.8 / 894.7 / 806.4 / 712.2 |
| ESP (range)                                 |                    | In.wg.    | 0-0.8 In.W.G                  |
| Indoor noise level (Hi/Med/Lo)              |                    | dB(A)     | 50.5/50/48/36                 |
| Dehumidification                            |                    | L/H       | 6.97                          |
| Indoor unit                                 | Dimensions (WxDxH) | inch      | 22.01 x 19.02 x 40.04         |
|                                             | Packing (WxDxH)    | inch      | 24.61 x 22.83 x 46.97         |
|                                             | Net/Gross weight   | lbs       | 110.23/131.39                 |
| Drainage water pipe diameter                |                    | inch      | 3/4"                          |
| Refrigerant piping (Liquid side/Gas side)   |                    | inch      | 3/8" 3/4"                     |
| Design pressure                             |                    | PSIG      | 550 / 340                     |
| Controller                                  |                    |           | 120N/24V                      |
| Room temperature                            | Cooling            | F         | 60~90                         |
|                                             | Heating            | F         | 60~90                         |

**Indoor Unit Dimension**


| Dimensions |                                    | Model(Btu/h) |  | 18K/24K |       | 30K/36K |       |
|------------|------------------------------------|--------------|--|---------|-------|---------|-------|
|            |                                    |              |  | inch    | mm    | inch    | mm    |
| A          | Model Height                       |              |  | 36.5    | 928   | 49      | 1017  |
| B          | Model Width                        |              |  | 20.3    | 515   | 21      | 559   |
| C          | Supply Air Opening Width           |              |  | 17.4    | 442   | 18.8    | 478.6 |
| D          | Return Air Opening Width           |              |  | 19.4    | 493.8 | 21.2    | 537.8 |
| E          | Model Depth                        |              |  | 15.7    | 399   | 21      | 483   |
| F          | Supply Air Opening Depth           |              |  | 10.4    | 265.2 | 9.3     | 235.4 |
| G          | Return Air Opening Depth           |              |  | 10.3    | 261   | 13.1    | 332.5 |
| H          | Supply Air Opening Clearance       |              |  | 1.1     | 29.1  | 1.6     | 41    |
| I          | Return Air Opening Side Clearance  |              |  | 0.42    | 10.6  | 0.42    | 10.6  |
| J          | Return Air Opening Front Clearance |              |  | 0.47    | 12    | 0.63    | 16    |