

**Job Name:** \_\_\_\_\_  
**Location:** \_\_\_\_\_  
**Engineer:** \_\_\_\_\_  
**Submitted to:** \_\_\_\_\_  
**Submitted by:** \_\_\_\_\_  
**Reference:** \_\_\_\_\_

**Date:** \_\_\_\_\_  
**Approval:** \_\_\_\_\_  
**Construction:** \_\_\_\_\_  
**Unit #:** \_\_\_\_\_  
**Drawing #:** \_\_\_\_\_

## KEY FEATURES:

- Can be installed up to 2' from the ceiling
- Invert technology
- Refrigerant Sensor
- Humidity Sensor
- Auto-Swing for vertical and horizontal louvers
- Easy to remove blower wheel, magnetic filter on top
- Larger air inlet/outlet air flow
- Compatible with regular (-13°F) or Hyper (-22°F) outdoor units

## NOTES:

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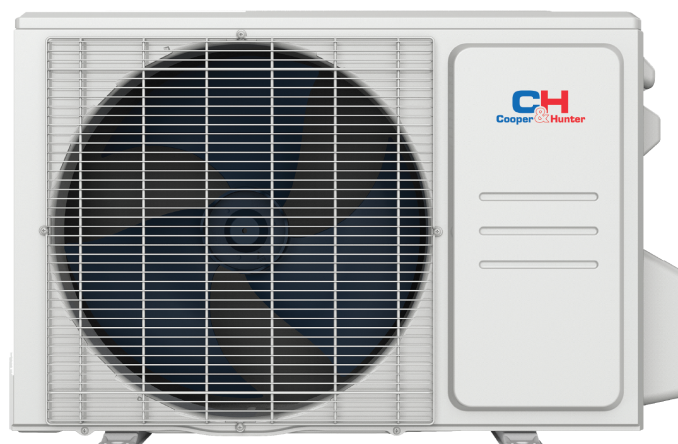
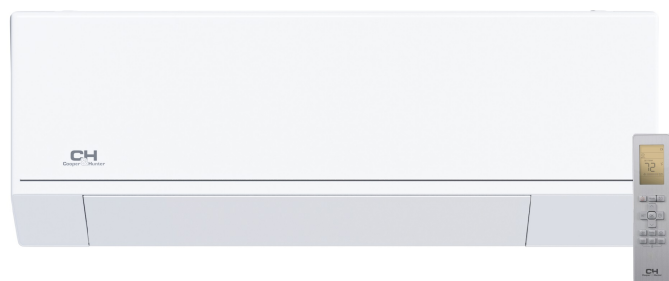
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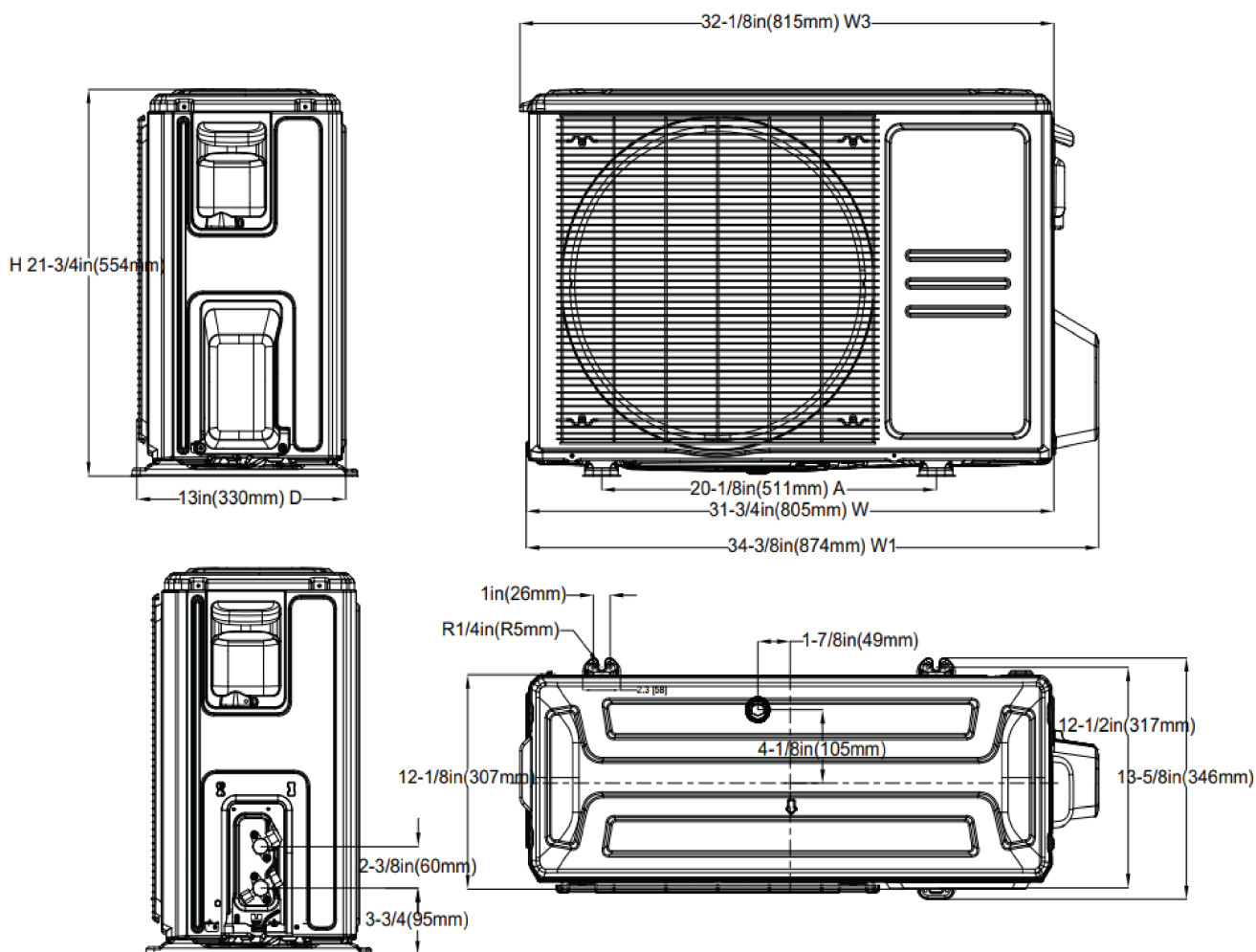
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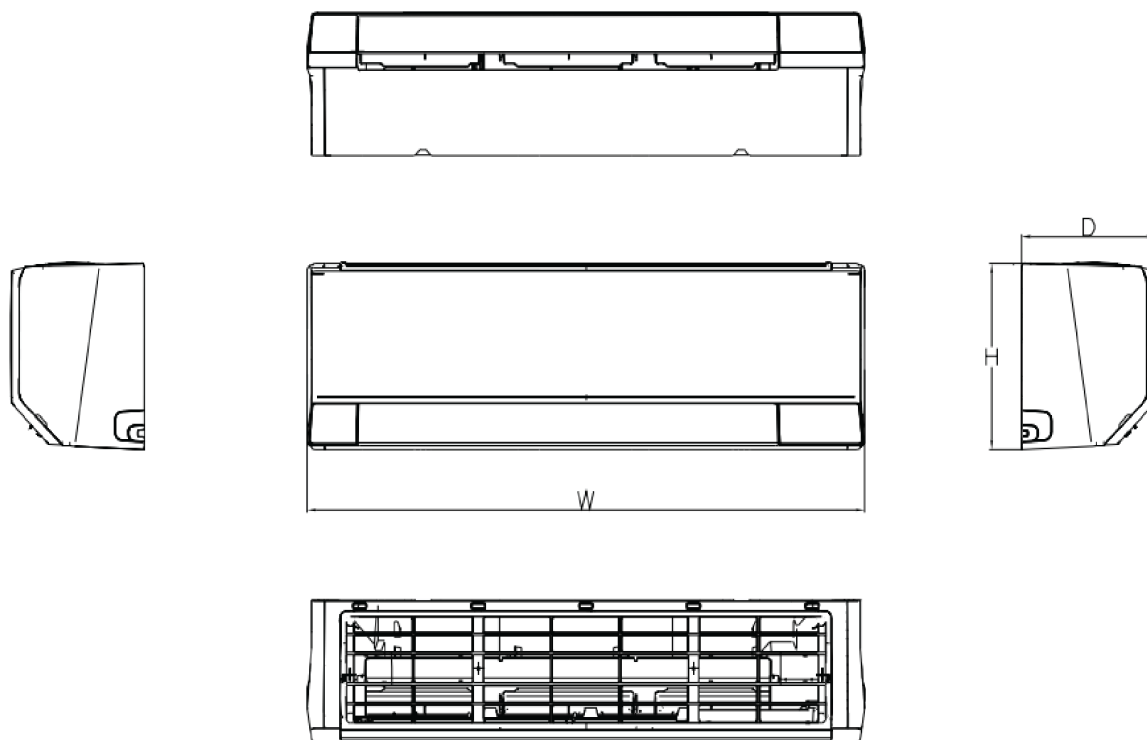
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| Indoor Model                                |                    |           | CH-PRO12MASTWM-230VI                          |
|---------------------------------------------|--------------------|-----------|-----------------------------------------------|
| Power supply                                |                    | V, Ph, Hz | 208-230V, 1Ph, 60Hz                           |
| Communication wiring                        |                    |           | AWG 14-4                                      |
| Cooling                                     | Capacity           | Btu/h     | 12,000 (2,900~14,500)                         |
|                                             | Input              | W         | 916 (185~1,270)                               |
|                                             | Rated current      | A         | 4.1 (1.1~5.6)                                 |
|                                             | EER/EER2           | Btu/w     | 13.0                                          |
|                                             | SEER/SEER2         | Btu/w     | 25.5                                          |
| Heating at 47 °F                            | Capacity           | Btu/h     | 12,000 (4,500~15,400)                         |
|                                             | Input              | W         | 902 (225~1,290)                               |
|                                             | Rated current      | A         | 4 (1.2~5.7)                                   |
|                                             | COP                | W/W       | 3.9                                           |
|                                             | HSPF4/HSPF2-4      |           | 10.6                                          |
|                                             | HSPF5/HSPF2-5      |           | 8                                             |
| Indoor fan motor                            |                    | Qty       | 1                                             |
|                                             |                    | Input (W) | 20                                            |
|                                             |                    | RLA (A)   | 0.5                                           |
| Indoor air flow (Turbo/Hi/Med/Lo) (No duct) |                    | CFM       | 441.4 / 323.7 / 229.6 / 176.6                 |
| ESP (range)                                 |                    | In.wg.    |                                               |
| Indoor noise level (Hi/Med/Lo)              |                    | dB(A)     | 38/33/18                                      |
| Dehumidification                            |                    | Pnt/H     | 2.32                                          |
| Indoor unit                                 | Dimensions (WxDxH) | inch      | 33.74 x 9.09 x 11.81                          |
|                                             | Packing (WxDxH)    | inch      | 36.22x12.20x14.57                             |
|                                             | Net/Gross weight   | lbs       | 22.93/29.32                                   |
| Drainage water pipe diameter                |                    | inch      | 5/8"                                          |
| Refrigerant piping (Liquid side/Gas side)   |                    | inch      | 1/4"/3/8"                                     |
| Design pressure                             |                    | PSIG      | 550/340                                       |
| Controller                                  |                    |           | wire controller + remote controller available |
| Room temperature                            | Cooling            | F         | 60~90                                         |
|                                             | Heating            | F         | 32~86                                         |

| Outdoor Model                              |                          |           | CH-RES12-230VO        |
|--------------------------------------------|--------------------------|-----------|-----------------------|
| Power supply                               |                          | V, Ph, Hz | 208-230V, 1Ph, 60Hz   |
| Min. circuit ampacity                      |                          | A         | 12                    |
| Max. fuse                                  |                          | A         | 15                    |
| Compressor                                 | Model                    |           | KSK103D33UEZ3         |
|                                            | Type                     |           | ROTARY                |
|                                            | Brand                    |           | GMCC                  |
|                                            | Capacity                 | Btu/h     | 11,100                |
|                                            | Input                    | W         | 826                   |
|                                            | Rated current (RLA)      | A         | 7.3                   |
|                                            | Refrigerant oil          | oz        | VG74 10.5             |
| Outdoor fan motor                          | Qty                      |           | 1                     |
|                                            | Input                    | W         | 34                    |
|                                            | RLA                      | A         | 0.6                   |
|                                            | Speed                    | r/min     | 800/700/600           |
| Outdoor air flow (Max)                     |                          | CFM       | 1,235.3               |
| Outdoor noise level (Max)                  |                          | dB(A)     | 56                    |
| Throttle type                              |                          |           | EXV                   |
| Outdoor unit                               | Dimensions (WxDxH)       | inch      | 30.12 x 11.93 x 21.85 |
|                                            | Packing (WxDxH)          | inch      | 34.92 x 13.27 x 24.02 |
|                                            | Net/Gross weight         | inch      | 62.17/67.68           |
| Refrigerant                                | Type                     |           | R454B                 |
|                                            | Precharge                | ft        | 25                    |
| Additional charge for 1/4 inch liquid pipe |                          | oz        | 0.16                  |
| Additional charge for 3/8 inch liquid pipe |                          | oz        | /                     |
| Refrigerant piping                         | Liquid side/Gas side     | inch      | 1/4"/3/8"             |
|                                            | Max. pipe length         | ft        | 82                    |
|                                            | Max. difference in level | ft        | 49.2                  |
| Ambient temperature                        | Cooling                  | F         | -13 ~ 122             |
|                                            | Heating                  | F         | -13~75                |





| Capacity | Body Code | Unit | W      | D     | H      |
|----------|-----------|------|--------|-------|--------|
| 6k~12k   | B         | mm   | 857    | 231   | 300    |
|          |           | inch | 33-3/4 | 9-1/8 | 11-3/4 |
| 18k      | C         | mm   | 1024   | 246   | 321    |
|          |           | inch | 40-1/4 | 9-3/4 | 12-5/8 |
| 24k~36k  | D         | mm   | 1197   | 280   | 371    |
|          |           | inch | 47-1/8 | 11    | 14-5/8 |