

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

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

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

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

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

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

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

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

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

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

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

## KEY FEATURES:

- Sleek, Modern Midnight Black Design
- Auto-Swing for horizontal louvers
- Genius Core ultra-low compressor speed of 12Hz
- 46° Freeze Protection
- Smart Kit Ready
- Turbo and Follow Me Mode

## NOTES:

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| Indoor Model                                |                    |           | CH-RB12MOLVWM-230VI         |
|---------------------------------------------|--------------------|-----------|-----------------------------|
| Power supply                                |                    | V, Ph, Hz | 208-230V, 1Ph, 60Hz         |
| Communication wiring                        |                    |           | AWG 14-4                    |
| Cooling                                     | Capacity           | Btu/h     | 12,000 (3,600~13,500)       |
|                                             | Input              | w         | 910 (116~1,180)             |
|                                             | Rated current      | A         | 4.1 (1.08~5.2)              |
|                                             | EER/EER2           | Btu/w     |                             |
|                                             | SEER/SEER2         | Btu/w     |                             |
| Heating at 47 °F                            | Capacity           | Btu/h     | 12,000 (3,800~16,000)       |
|                                             | Input              | W         | 970 (195~1,415)             |
|                                             | Rated current      | A         | 4.3 (1.52~6.25)             |
|                                             | COP                | W/W       | 3.63                        |
|                                             | HSPF4/HSPF2-4      |           | 10.5                        |
|                                             | HSPF5/HSPF2-5      |           | 8                           |
| Indoor fan motor                            |                    | Qty       | 1                           |
|                                             |                    | Input     | 13                          |
|                                             |                    | RLA       | 0.5                         |
| Indoor air flow (Turbo/Hi/Med/Lo) (No duct) |                    | CFM       | 382.6 / 294.3 / 194.2 / 153 |
| ESP (range)                                 |                    | ln.wg.    | /                           |
| Indoor noise level (Hi/Med/Lo)              |                    | dB(A)     | 42/35.5/22.5                |
| Dehumidification                            |                    | L/H       | 2.96                        |
| Indoor unit                                 | Dimensions (WxDxH) | inch      | 31.57 x 7.87 x 11.61        |
|                                             | Packing (WxDxH)    | inch      | 34.45 x 11.22 x 14.96       |
|                                             | Net/Gross weight   | lbs       | 18.96/24.25                 |
| Drainage water pipe diameter                |                    | inch      | 5/8"                        |
| Refrigerant piping (Liquid side/Gas side)   |                    | inch      | 1/4"/3/8"                   |
| Design pressure                             |                    | PSIG      | 550/340                     |
| Controller                                  |                    |           | remote controller           |
| Room temperature                            | Cooling            | F         | 60~90                       |
|                                             | Heating            | F         | 32~86                       |

| Outdoor Model                              |                          |           | CH-RHP12-230VO        |
|--------------------------------------------|--------------------------|-----------|-----------------------|
| Power supply                               |                          | V, Ph, Hz | 208-230V, 1Ph, 60Hz   |
| Min. circuit ampacity                      |                          | A         | 15                    |
| Max. fuse                                  |                          | A         | 15                    |
| Compressor                                 | Model                    |           | KTN110D42UFZ          |
|                                            | Type                     |           | ROTARY                |
|                                            | Brand                    |           | GMCC                  |
|                                            | Capacity                 | Btu/h     | 11,820                |
|                                            | Input                    | w         | 885                   |
|                                            | Rated current (RLA)      | A         | 11.6                  |
|                                            | Refrigerant oil          | oz        | VG74 11.8             |
| Outdoor fan motor                          | Qty                      |           | 1                     |
|                                            | Input                    | w         | 34                    |
|                                            | RLA                      | A         | 0.5                   |
|                                            | Speed                    | r/min     | 780/680/580           |
| Outdoor air flow (Max)                     |                          | CFM       | 1,470.6               |
| Outdoor noise level (Max)                  |                          | dB(A)     | 56                    |
| Throttle type                              |                          |           | EXV                   |
| Outdoor unit                               | Dimensions (WxDxH)       | inch      | 31.69 x 12.99 x 21.81 |
|                                            | Packing (WxDxH)          | inch      | 36.02 x 14.57 x 24.21 |
|                                            | Net/Gross weight         | inch      | 72.75/78.70           |
| 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         | -22 ~ 122             |
|                                            | Heating                  | F         | -22~75                |

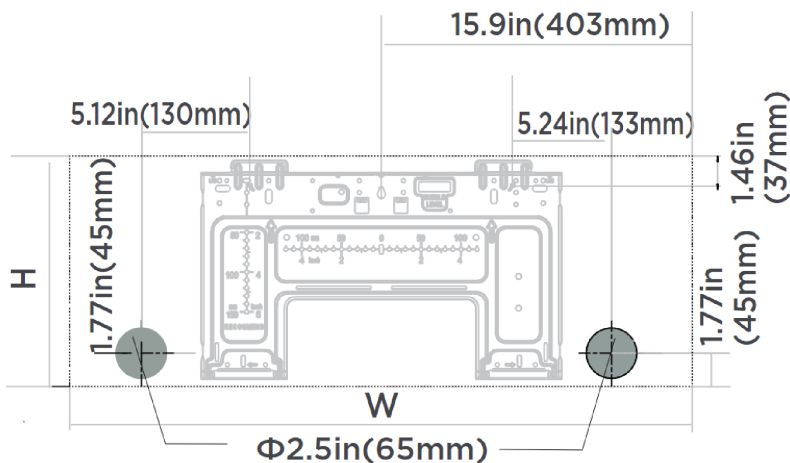
Left-hand side

Right-hand side

Right rear

Left rear

Based on the position of the wall hole relative to the mounting plate, choose the side from which the piping will exit the unit. You have four options for the exit direction of the piping.



When the gas side connective pipe is  $\Phi$  (5/8in)16mm or more, the wall hole should be (3-1/2in)90mm.

