

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

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

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

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

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

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

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

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

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

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

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

### KEY FEATURES:

- Top Discharge, Cooling Only
- R32 Refrigerant (A2L), Low GWP and improved efficiency
- Multi-Application Compatible, works with C&H AHU, WAHU, and third-party AHUs
- Built-in Safety Protections, including high/low pressure, overload, and temperature protection
- Gold Fin Protection: Delivers superior corrosion resistance and dependable long-term performance

### NOTES:

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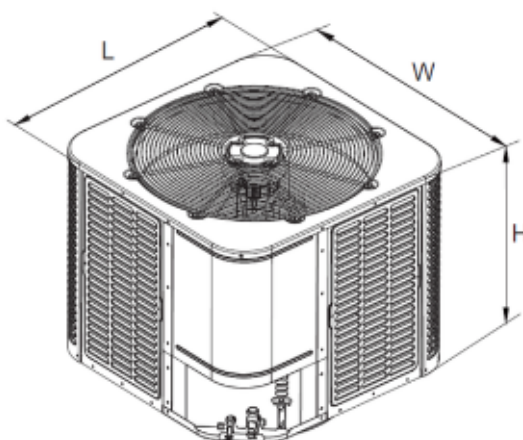
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| Outdoor Model                              |                          |           | CH-UC36-230VO       |
|--------------------------------------------|--------------------------|-----------|---------------------|
| Power supply                               |                          | V, Ph, Hz | 208-230V, 1Ph, 60Hz |
| Min. circuit ampacity                      |                          | A         | 22                  |
| Max. fuse                                  |                          | A         | 35                  |
| Compressor                                 | Model                    |           | KSG280N1VMT         |
|                                            | Type                     |           | ROTARY              |
|                                            | Brand                    |           | GMCC                |
|                                            | Capacity                 | Btu/h     | 36,440              |
|                                            | Input                    | w         | 2,450               |
|                                            | Rated current (RLA)      | A         | 2.4                 |
|                                            | Refrigerant oil          | oz        | VG74 28.7           |
| Outdoor fan motor                          | Qty                      |           | 1                   |
|                                            | Output                   | w         | 200                 |
|                                            | RLA                      | A         | 2.4                 |
|                                            | Speed                    | r/min     | 1,100               |
| Outdoor air flow (Max)                     |                          | CFM       | /                   |
| Outdoor noise level (Max)                  |                          | dB(A)     | 63                  |
| Throttle type                              |                          |           | Piston              |
| Outdoor unit                               | Dimensions (WxDxH)       | inch      | 29-1/7×25×29-1/7    |
|                                            | Packing (WxDxH)          | inch      | 30×26×x30           |
|                                            | Net/Gross weight         | lbs       | 146/154             |
| Refrigerant                                | Type                     |           | R32                 |
|                                            | Precharge                | ft        | 15                  |
| Additional charge for 1/4 inch liquid pipe |                          | oz        | /                   |
| Additional charge for 3/8 inch liquid pipe |                          | oz        | 0.47 oz/ft          |
| Refrigerant piping                         | Liquid side/Gas side     | inch      | 3/8" 3/4"           |
|                                            | Max. pipe length         | ft        | 131                 |
|                                            | Max. difference in level | ft        | 66                  |
| Ambient temperature                        | Cooling                  | F         | 57-118              |
|                                            | Heating                  | F         | /                   |



**Condensing Unit**  
**R32 Rotary Series Air Conditioner**  
**14.3 SEER2**  
**Cooling capacity: 18-36 kBTU/h**



| Model Size | Unit Width<br>"W" in. [mm] | Unit Height<br>"H" in. [mm] | Unit Length<br>"L" in. [mm] | Packing (W*H*D) in. [mm]               | Unit Weight<br>(lbs.[kg]) |
|------------|----------------------------|-----------------------------|-----------------------------|----------------------------------------|---------------------------|
| 18         | 21-4/5 [554]               | 25 [633]                    | 21-4/5 [554]                | 22-3/5x25-9/10x22-3/5[575 x 660 x 575] | 116 [50]                  |
| 24         | 21-4/5 [554]               | 25 [633]                    | 21-4/5 [554]                | 22-3/5x25-9/10x22-3/5[575 x 660 x 575] | 116 [50]                  |
| 30         | 29-1/7 [740]               | 25 [633]                    | 29-1/7 [740]                | 30x26xx30[760x 660x760]                | 139 [63]                  |
| 36         | 29-1/7 [740]               | 25 [633]                    | 29-1/7 [740]                | 30x26xx30[760x 660x760]                | 146 [66]                  |