

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

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

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

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

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

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

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

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

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

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

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



## KEY FEATURES:

- Up to 6 Zone
- Inverter Technology
- HIGH-FREQUENCY RACER TECHNOLOGY: Enables the compressor to reach maximum speed within 6 seconds on start up.
- HIGH-EFFICIENCY PIPES: 54 teeth to increase heat exchange.
- INTELLIGENT DUSTING SWITCH: Reverses the fan to clean dust, sand, and other debris from the coil.
- The Cooper&Hunter standard warranty offers seven years on the compressor and five years on parts.

| Cooling Capacity      | Heating Capacity      | SEER2 | EER2 | COP |
|-----------------------|-----------------------|-------|------|-----|
| Btu/h                 | Btu/h                 | 20.4  | 12   | 3.9 |
| 45,000(12,000~52,000) | 47,000(13,000~53,000) |       |      |     |

*\*Please note: for ducted solutions, values are represented with Outdoor Units combined with Indoor ducted units. Values will vary with depending on the combination of Outdoor/Indoor models used.*

## SPECIFICATIONS:

|                                |                                                   |           |                        |
|--------------------------------|---------------------------------------------------|-----------|------------------------|
| Outdoor Model                  |                                                   |           | CH-R48MES-230VO        |
| Power Supply                   | Rated                                             | V, Ph, Hz | 208-230V, 1Ph, 60Hz    |
| Cooling                        | Rated Capacity (range)                            | Btu/h     | 45,000(12,000~52,000)  |
| Heating                        | Rated Capacity (range)                            | Btu/h     | 47,000(13,000~53,000)  |
|                                | HSPF4                                             |           | 10.6                   |
|                                | HSPF5                                             |           | 8.1                    |
| Minimum Circuit Ampacity (MCA) |                                                   | A         | 34                     |
| Max. Fuse                      |                                                   | A         | 40                     |
| Rated current (RLA)            |                                                   | A         | 16.8(7~27)             |
| Compressor                     | Model                                             |           | KTQ420D1UMU            |
|                                | Type                                              |           | ROTARY                 |
|                                | Brand                                             |           | GMCC                   |
|                                | RLA                                               | A         | 24                     |
|                                | Input                                             | w         | 3,700                  |
|                                | Refrigerant oil                                   | oz        | VG74 47.3              |
| Outdoor fan motor              | Qty                                               |           | 2                      |
|                                | Input                                             | w         | 126                    |
|                                | RLA                                               | A         | 2.5                    |
| Outdoor air flow (Max)         |                                                   | CFM       | 4,502.8                |
| Outdoor noise level (Max)      |                                                   | dB(A)     | 63                     |
| Outdoor unit                   | Dimensions (WxDxH)                                | in        | 37.48 x 16.34 x 52.48  |
|                                | Packing (WxDxH)                                   | in        | 43.11 x 19.49 x 58.27  |
|                                | Net/Gross weight                                  | in        | 222.00/254.19          |
| Refrigerant                    | Type/Quantity                                     | oz        | R454B                  |
|                                | Precharge                                         | ft        | 150                    |
|                                | Additional Charge (liquid pipe)                   | oz        | 148.15                 |
| Design pressure                |                                                   | PSIG      | 550/340                |
| Refrigerant piping             | Liquid side/Gas side                              | in        | 6x1/4" - 4x3/8"+2x1/2" |
|                                | Max. length for all indoor units                  | ft        | 262.4                  |
|                                | Max. length for one indoor unit                   | ft        | 114.8                  |
|                                | Max. height difference between indoor and outdoor | ft        | 49.2                   |
|                                | Max. height difference between indoor units       | ft        | 33                     |
| Ambient temperature            | Cooling                                           | F         | -13~122                |
|                                | Heating                                           | F         | -13~75                 |

