

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

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



**OUTDOOR UNIT FEATURES:**

- ◆ Reliable and stable stepless inverter-driven technology.
- ◆ Anti-frost design includes an expanded heat exchanger, which provides a larger surface area for higher heat exchanging efficiency and smooth condensate drainage.
- ◆ Static pressure of the outdoor unit up to 0.44 in.w.g.
- ◆ Intelligent defrosting mode utilizes 3 sensors to determine the optimal time to melt and remove frost from the outdoor unit.
- ◆ 360°F refrigerant cooling technology safely and efficiently dissipates heat from the main PCB, inverter module, and outdoor unit electrical box.



|  |                                 |                            |   |        |
|--|---------------------------------|----------------------------|---|--------|
| <b>Model name</b>                          |                                 |                            | <b>CHV6-432URB</b>  |        |
| Unit group configuration                   |                                 |                            | 3 x CHV6-144URB   |        |
| Nominal tonnage                            |                                 | RT                         | 36  |        |
| Cooling capacity                           | Nominal capacity                | Btu/h                      | 413,500   |        |
|  | Input power (Ducted/Non-ducted) | kW                         | 38.10/34.14   |        |
|  | EER (Ducted/Non-ducted)         | Btu/h                      | 10.85/12.11   |        |
|  | IEER (Ducted/Non-ducted)        | Btu/h                      | 17.60/18.30   |        |
| Heating capacity                           | Nominal capacity                | Btu/h                      | 450,500   |        |
|  | Input power (Ducted/Non-ducted) | kW                         | 40.38/36.57   |        |
|  | COP 47°F (Ducted/Non-ducted)    | W/W                        | 3.27/3.61   |        |
| Power supply                               |                                 | V, Ph, Hz                  | 208/230V, 3Ph, 60Hz   |        |
| Max/Min power supply                       |                                 | V                          | 253 / 188   |        |
| Electrical parameters                      | MCA                             | A                          | 60.1+60.1+60.1  |        |
|  | MOP                             | A                          | 80+80+80  |        |
| Min/Max number of connectable indoor units |                                 | #                          | 1/64  |        |
| Total indoor unit capacity                 |                                 | %                          | 50~150% to outdoor unit capacity  |        |
| Dimensions (H x W x D)                     |                                 | in                         | 68 1/8 x 53 5/32 x 29 17/32 + 68 1/8 x 53 5/32 x 29 17/32 + 68 1/8 x 53 5/32 x 29 17/32 |        |
| Connection pipe diameter                   | Heat recovery operation system  | Low pressure gas pipe      | in  | 1-1/2" |
|  |                                 | High/Low pressure gas pipe | in  | 1-1/4" |
|  |                                 | Liquid pipe                | in  | 3/4"   |
|  | Heat pump operation system      | Low pressure gas pipe      | in  | 1-1/2" |
|  |                                 | Liquid pipe                | in  | 3/4"   |
| Refrigerant                                |                                 |                            | R410A   |        |
| Compressor                                 |                                 |                            | Scroll Comp   |        |
| Compressor quantity                        |                                 |                            | 2+2+2   |        |
| Refrigerant charge before shipment         |                                 | lbs                        | 21.6+21.6+21.6  |        |
| Weight                                     | Net weight                      | lbs                        | 796+796+796   |        |
|  | Gross weight                    | lbs                        | 864+864+864   |        |
| Total piping length                        |                                 | ft                         | 3,281   |        |
| Height difference                          | Maximum below unit              | ft                         | 164 (295* see note)   |        |
|  | Maximum above unit              | ft                         | 131 (295* see note)   |        |
|  | Between IDUs                    | ft                         | 49 (98* see note)   |        |
| Fan motor                                  | Quantity                        | #                          | 2+2+2   |        |
|  | Air flow rate                   | CFM                        | 9,430+9,430+9,430   |        |

\* Note: maximum height difference can be expanded with assistance from C&H technical support team.

|                      |                             |       |           |
|----------------------|-----------------------------|-------|-----------|
| Sound pressure level |                             | dB(A) | 65        |
| Operation range      | Cooling                     | °F DB | 14 ~ 126  |
|                      | Heating                     | °F DB | -13 ~ 62  |
| AHRI Certification   | Ducted                      |       | 208758309 |
|                      | Non-Ducted                  |       | 208758310 |
|                      | Mixed ducted and non-ducted |       | 208758311 |

**NOTES:**

1. The above cooling and heating capacities show the capacities when the outdoor unit is operated with the 100% rating of indoor units, Cooling operation conditions: indoor air inlet temperature: 80°F DB 67°F WB, Outdoor air inlet temperature: 95°F DB, Piping length: 25ft., Piping lift: 0ft..

Heating operation conditions: Nominal heating condition, indoor air inlet temperature: 70°F DB, outdoor air inlet temperature: 47°F DB 43°F WB.

2. Rated capacity and efficiency are certified under AHRI Standard 1230. Ratings are subject to change without notice. Current certified ratings are available at [www.ahridirectory.org](http://www.ahridirectory.org).

3. The above noise values are measured in the anechoic chamber without reflected echo. Measurement point: 3.3ft from the service cover surface and 4.9ft from floor level.

4. The final appearance of outdoor units is subject to the actual products.

Unit: inch (mm)

