

# CCH0045LCBCZA0000 - SUBMITTAL



|                |                |                   |            |
|----------------|----------------|-------------------|------------|
| Project Name:  | QUOTE R3852982 | Project Location: | CA         |
| Quote ID:      | R3852982       | Item #:           | 1000       |
| Submitted For: | -              | Submitted On:     | 10/10/2025 |
| Submitted By:  | Michal Kreft   | Submitted From:   | -          |
| Identity #:    | -              | Tag:              | -          |

☐ For Record

☐ For Approval

By: \_\_\_\_\_

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

## General Product Information

|                        |              |                          |                 |
|------------------------|--------------|--------------------------|-----------------|
| Product Family:        | HTS          | Compressor Brand:        | Copeland        |
| Application:           | Outdoor      | Compressor Type:         | Scroll          |
| Temperature Range:     | Low Temp     | Compressor Hp:           | 4.5             |
| Voltage: (Volts/Ph/Hz) | 208-230/3/60 | Compressor Model:        | ZF13K4E-TF5-251 |
| Refrigerant Type:      | R448A        | Number of Compressor(s): | 1               |
| Piping:                | Standard     | Coil Type:               | Microchannel    |

## Technical Information

### Performance Data

| Ambient Temperature (°F) | Saturated Suction Temperature (°F) | Application Capacity* (BTU/H) | Altitude (ft) | AWEF Value |
|--------------------------|------------------------------------|-------------------------------|---------------|------------|
| 95                       | -10                                | 17,140                        | 0             | 3.15       |

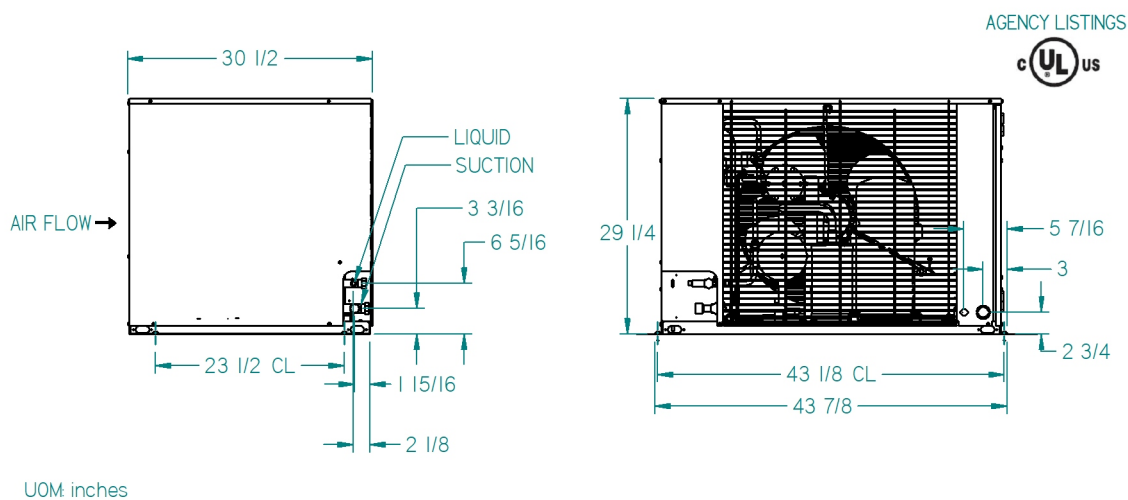
### Electrical Data

| Compressor(s) |     | Fan Motor(s) |     |     | Electric Ratings |                   |                      |     |      |                |                     |
|---------------|-----|--------------|-----|-----|------------------|-------------------|----------------------|-----|------|----------------|---------------------|
| RLA           | LRA | Quantity     | Hp  | FLA | Defrost Type     | High or Low Amps? | Number of Contactors | MCA | MOPD | Evap. Fan Amps | Defrost Heater Amps |
| 11.9          | 99  | 1            | 1/3 | 3.5 | AIR DEFROST      | -                 | -                    | 20  | 30   | -              | -                   |

### Unit Specifications

| Connections (in.) |         | Receiver 90% Full (lbs) |            | Fan Blade(s) Diameter (in) | Sound Data (dB) | Approx. Net Weight (lbs) |
|-------------------|---------|-------------------------|------------|----------------------------|-----------------|--------------------------|
| Liquid Line       | Suction | Standard                | Over Sized |                            |                 |                          |
| 0.5               | 0.875   | 20                      | 40         | 22                         | 64              | 332                      |

### Dimensional Drawing(s)



# CCH0045LCBCZA0000 - SUBMITTAL



|                |                |                   |            |
|----------------|----------------|-------------------|------------|
| Project Name:  | QUOTE R3852982 | Project Location: | CA         |
| Quote ID:      | R3852982       | Item #:           | 1000       |
| Submitted For: | -              | Submitted On:     | 10/10/2025 |
| Submitted By:  | Michal Kreft   | Submitted From:   | -          |
| Identity #:    | -              | Tag:              | -          |

## Standard Features

### CABINET AND CONSTRUCTION

- MICROCHANNEL COIL TECHNOLOGY STANDARD ON ALL UNITS
- PAINTED STEEL CABINETS FOR SUPERIOR STRENGTH AND CORROSION PROTECTION
- HEAVY DUTY, STEEL, 1-1/2" TALL BASE

### SERVICEABILITY

- SUCTION SERVICE VALVES FOR HERMETIC AND SCROLL COMPRESSORS LOCATED OUTSIDE THE CABINET FOR QUICK INSTALLATIONS.
- RECEIVER WITH FUSIBLE PLUG, LIQUID SHUTOFF VALVE AND CHARGING PORT IS STANDARD
- LARGE ELECTRICAL PANEL FOR EASE OF ACCESS
- PREFABRICATED WIRING HARNESSSES FOR TIGHT CRIMP CONNECTIONS AND CONSISTENT LABELING
- UNIT STAYS ON IF THE HOOD IS REMOVED FOR SERVICING
- SIGHT GLASS IS EASILY VIEWABLE

### QUALITY

- ALL UNITS ARE COMPLETELY LEAK TESTED IN A HELIUM ENVIRONMENT, BUMP TESTED AND ALLOWED TO CYCLE OFF ON THE HIGH AND LOW PRESSURE CONTROL. EACH UNIT HAS A COPY OF THE RUN DATA SHIPPED INSIDE THE ELECTRICAL PANEL
- ELECTRICAL CIRCUITS ARE COMPLETELY CHECKED FOR CONTINUITY
- PIPING IS LAID OUT TO MINIMIZE STRESS AND VIBRATION AND IS PRE-BENT TO ELIMINATE LEAKS
- ENCAPSULATED, AUTO-RESET, HIGH AND LOW PRESSURE CONTROLS TO ELIMINATE LEAKS (ADJUSTABLE LOW PRESSURE CONTROL STANDARD)

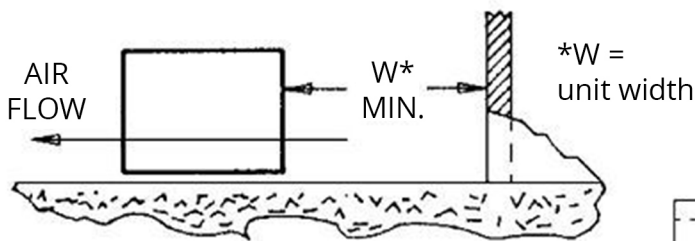
## Options

### Mounted Options

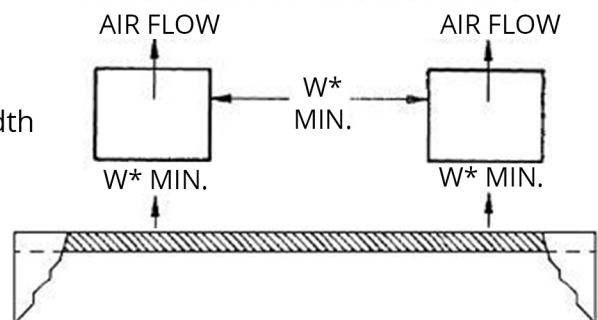
- BRAND LABEL OPTION - CLIMATE CONTROL
- Pressure Options - ADJUSTABLE LOW - FIXED HIGH
- Crankcase Heater - CRANKCASE HEATER
- Fused Disconnect - NO FUSED DISCONNECT
- Coil Selection - MICROCHANNEL COIL
- Liquid Line Options - FILTER DRIER AND SIGHT GLASS
- Discharge Line Options - HEAD PRESSURE VALVE 145#
- BASE LEG BRACKET OPTIONS - None
- COMPLIANCE - DOE COMPLIANT
- Defrost Timer Options - NO TIMER
- Motor - PSC
- Phase Loss Monitor - NONE
- Cabinet Selection - Painted
- Receiver Options - STANDARD
- Suction Line Options - SUCTION TUBE ONLY
- PRE-CHARGE OPTIONS - None
- HAIL GUARD - None

## Minimum Unit Clearances

### Walls or Obstructions for Horizontal Air Flow



### Multiple Units with Horizontal Air Flow



## Notes

\* Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at [www.regulations.doe.gov](http://www.regulations.doe.gov)

\*Only refrigerants in compliance with New York state regulations can be used in the state of New York.