



RENTAL SYSTEMS

24-HOUR HOTLINE 800-586-8336

CARRIER.COM/RENTALS



# 110 TON AIR COOLED CHILLER

Unit Arrangement - Dimensions are Approximate

## GENERAL DESCRIPTION AND FEATURES

- Ready for outdoor operation with minimal setup
- Complete microprocessor control center
- Single point power connection
- Pre-wired 30 amp disconnect for pump
- Forkliftable
- Low ambient temperature operation to -20°F
- High ambient temperature operation to 125°F
- Brine mode to 15°F

## MECHANICAL DATA

|                               |                            |
|-------------------------------|----------------------------|
| <b>Water Connections</b>      | 4" 150 lb RF flange in/out |
| <b>Water Volume</b>           | 46 gallons                 |
| <b>Water Max. pressure</b>    | 150 psig (300 psig option) |
| <b>Minimum Load</b>           | 10 tons                    |
| <b>Min. / Max. Water Flow</b> | 132 / 528 gpm              |
| <b>Circuits / Compressors</b> | 2 / 5                      |
| <b>Refrigerant / Charge</b>   | R410a / 94 / 106 lbs       |
| <b>Oil / Charge</b>           | POE / 26 / 39 pints        |

## EQUIPMENT DATA

**Model(s)** 30RBB11062-0G-1M

## SHIPPING DATA

|                             |                             |
|-----------------------------|-----------------------------|
| <b>Shipping Weight</b>      | 10,100 lbs                  |
| <b>Dimensions</b>           | 14' L x 8'-4" W x 8'-6" H   |
| <b>Leveling Required</b>    | Within 1" per 8 ft.         |
| <b>Installed Clearances</b> | 8' (sides), 4' (electrical) |

## ELECTRICAL DATA (SINGLE DISCONNECT)

|                          |                            |
|--------------------------|----------------------------|
| <b>Voltage</b>           | 460 V / 3 phase / 60 hertz |
| <b>Disconnect Size</b>   | 250 amps                   |
| <b>Connection</b>        | Leviton Series 16 Camlock  |
| <b>Cables</b>            | 1/0 - (1) Set, (1) Ground  |
| <b>FLA / MCA Chiller</b> | 213 / 224 amps             |
| <b>Pump Breaker</b>      | 30 amp added if using pump |

| Leaving Water Temp. | Leaving Brine Temp. | Capacity in Tons        |       |        |        |        |
|---------------------|---------------------|-------------------------|-------|--------|--------|--------|
|                     |                     | Ambient Air Temperature |       |        |        |        |
|                     |                     | 85° F                   | 95° F | 105° F | 115° F | 120° F |
| 60° F               |                     | 140                     | 130   | 120    | 110    | 104    |
| 55° F               |                     | 134                     | 127   | 119    | 109    | 104    |
| 50° F               |                     | 123                     | 117   | 109    | 100    | 96     |
| 45° F               |                     | 105                     | 108   | 99     | 92     | 88     |
| 40° F               |                     | 105                     | 98    | 91     | 84     | 80     |
|                     | 35° F               | 94                      | 87    | 82     | 76     | 72     |
|                     | 25° F               | 82                      | 76    | 72     | 66     | 63     |
|                     | 15° F               | 71                      | 65    | 62     | 57     | 54     |

Water Limits: 70°F to 40°F / Brine: 15°F

| Chiller Barrel Flow VS Pressure Drop |                        |
|--------------------------------------|------------------------|
| Flow (GPM)                           | Pressure Drop * (PSID) |
| 140 Min.                             | 1.7                    |
| 200                                  | 3.0                    |
| 250 std.                             | 3.7                    |
| 300                                  | 5.6                    |
| 350                                  | 6.9                    |
| 400                                  | 9.3                    |
| 450                                  | 11.3                   |
| 520 Max.                             | 14.3                   |

\*Cooler only