

## Recirculating - Air Cooled Chiller (with Tank and Pump)

### Standard Features

- U.L. Listed, and EPA Compliant, eco friendly R410a refrigeration condensing unit
- Single refrigeration circuit. Copeland scroll compressor with crankcase heater
- Air cooled, high ambient, vertical discharge, condenser for 100°F ambient;
- Fan cycle control provides head pressure control down to 0°F ambient
- Weather proof electrical panel with single point power connection to compressor contactor
- 24 vac control circuit with component sequenced terminal strip for easy troubleshooting
- Remote control panel with electronic thermostat, digital temperature indicator lighted switches
- Stainless steel brazed plate evaporators with hot gas bypass capacity control and solenoid valve
- Externally equalized thermal expansion valve with liquid line solenoid valve, filter drier, sight glass
- Copper water lines with FPT connections and insulated with 1/2" closed cell insulation
- Water flow safety switch locks out compressor in no flow condition
- Internal bypass loop prevents compressor dead heading
- Lifetime polyethylene reservoir with cabinet mounted fill port and external level gauge
- High head, cast iron centrifugal pump with nominal capacity of 2.4 gpm/ton at 100 ft. hd.
- Cabinet mounted CHWS outlet pressure gauge and analog temperature gauge
- Powder coated welded steel frame with laminated polyethylene panels
- Warranty: One (1) year parts, five (5) year compressor limited warranty
- Leak checked, pressure tested and run tested under load prior to shipment

### Options & Accessories

- Receivers for 90% refrigerant storage
- Heated and insulated receiver for ambient temperatures below 30°F
- Nonferrous piping in lieu of copper for de-ionized water or corrosive fluids
- Condenser coil coating for corrosion protection in coastal areas and caustic environments
- Voltage and phase monitor in 2 through 7.5 ton
- Cabinet mounted, glycerin filled refrigeration pressure gauges
- Sanitary, double wall, evaporator for potable water
- Inhibited propylene glycol concentrate in 5 or 55 gallon containers
- Closed system reservoir
- Startup & training by Factory authorized technician
- Factory authorized contractor for installation
- Castors for portability



| Physical Data          |                             |
|------------------------|-----------------------------|
| <b>Dimensions</b>      | 48"L x 35"W x 68"H          |
| <b>Shipping Weight</b> | 990 lbs.                    |
| <b>Min. Clearances</b> | 30" All Sides 60" Above Top |
| <b>Noise Rating</b>    | 77 dBA @ 10 feet            |
| <b>Fans CFM</b>        | 4700 cfm @ 125°F            |
| <b>Tank Capacity</b>   | 40 Gallons ( Atmospheric )  |
| <b>Connections</b>     | 1.25" FPT CHWS and CHWR     |

| Electrical Data      |              |              |
|----------------------|--------------|--------------|
| <b>Power Supply</b>  | 208-230/3/60 |              |
| <b>Compressor</b>    | LRA          | 149 Amps     |
|                      | RLA          | 22.4 Amps    |
| <b>Fan Motor</b>     | FLA          | 1 @ 2.2 Amps |
| <b>Pump Motor</b>    | H.P.         | 1.5          |
|                      | FLA          | 10.0 Amps    |
| <b>Total Circuit</b> | FLA          | 34.6 Amps    |
|                      | MOP          | 50 Amps      |