



RENTAL SYSTEMS

24-HOUR HOTLINE 800-586-8336

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500 TON CENTRIFUGAL 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
- Containerized
- Forkliftable

EQUIPMENT DATA

- Model(s)** 19XL5151 497CN
- Asset Number** NA18445

SHIPPING DATA (INCLUDING CONTAINER)

- Shipping Weight** 33,000 lbs
- Dimensions** 20'L x 8' W x 9 '6" H
- Leveling Required** Within 1/8" per foot
- Installed Clearances** 4' (electrical)

MECHANICAL DATA

- Cooler Connections** 6" 150 lb RF flanges in/out
- Condenser Connections** 6" 150 lb RF flanges in/out
- Water Max. pressure** 150 psig
- Water Volume 87 / 92** gallons. (cooler/cond.)
- Minimum Load** 10% of full capacity
- Min. / Max. Cooler Flow** 800 / 2,000 gpm
- Min. / Max. Cond. Flow** 1,000 / 2,100 gpm
- Refrigerant / Charge** R134a / 1200 lbs
- Oil / Charge** POE / 15 gallons

ELECTRICAL DATA (SINGLE POWER POINT)

- Voltage** 460 V / 3 phase / 60 hertz
- Mounted Disconnect** 800 amp
- Connection** Leviton Series 16 Camlock
- Cables** 4/0 (2) per phase, (1) Grnd.
- FLA / MCA** 536 amps / 670 amps
- Rec. Service** 800 amps

| Leaving Water Temp. | Capacity in Tons / HP Required | | | | |
|---------------------|--------------------------------|-------|-------|-------|-------|
| | Entering Condenser Water | | | | |
| | 75° F | 80° F | 85° F | 90° F | 95° F |
| 54° F | 580 | 575 | 565 | 540 | 500 |
| 50° F | 575 | 570 | 550 | 520 | 480 |
| 45° F | 565 | 550 | 530 | 495 | 450 |
| 40° F | 530 | 520 | 500 | 470 | |
| 38 F Brine | 520 | 510 | 490 | 450 | |
| 35 F Brine | 500 | 485 | 455 | | |

Consult Engineering for Applications below 40F

| Cooler Pressure Drop | | Condenser Pressure Drop | |
|----------------------|----------------------|-------------------------|----------------------|
| Flow (GPM) | Pressure Drop (PSID) | Flow (GPM) | Pressure Drop (PSID) |
| 800 Min | 4.5 | 100 | 5.6 |
| 1000 | 6.7 | 1200 | 7.9 |
| 1,200 Std | 10 | 1500 | 11.3 |
| 1,500 | 14 | 1800 | 16.6 |
| 1800 | 19.5 | 2000 | 20 |
| 2000 Max | 24 | 2100 Max | 21.9 |