



**RENTAL  
SYSTEMS**



*Unit Arrangement - Dimensions are Approximate*

## 500-Ton Centrifugal Chiller

### General Description and Features

- Ready for outdoor operation with minimal setup
- Complete microprocessor control center
- Single point power connection
- Containerized
- Forkliftable

### Equipment Data

**Model** 19XL5151 497CN

### 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

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

### Electrical Data (Single Point Power)

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

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Leaving Water Temp	Capacity in Tons/HP Required					Cooler Flow Pressure Drop		Condenser Flow Pressure Drop	
	Entering Condenser Water					Flow (gpm)	Pressure Drop (psid)	Flow (gpm)	Pressure Drop (psid)
	75°F	80°F	85°F	90°F	95°F				
54° F	580	575	565	540	500	800 Min	4.5	100	5.6
50° F	575	570	550	520	480	1000	6.7	1200	7.9
45° F	565	550	530	495	450	1,200 Std	10	1500	11.3
40° F	530	520	500	470		1,500	14	1800	16.6
38° F Brine	520	510	490	450		1800	19.5	2000	20
35° F Brine	500	485	455			2000 Max	24	2100 Max	21.9

Consult engineering for applications below 40°F