



RENTAL SYSTEMS



Unit Arrangement - Dimensions are Approximate

500-Ton Air Cooled Chiller

General Description and Features

- Ready for outdoor operation with minimal setup.
- Dual point power connections
- Complete microprocessor control center
- Trailer mounted
- Prewired pump
- Low ambient temperature operation to 0°F
- Brine mode to 25°F
- 300 psig water pressure option available

Equipment Data

Model(s)	30XAA5006J-02N13
Unit Mounted Pump	1200 gpm @ 100 ft-head

Shipping Data

Shipping Weight	38,000 lbs (chiller)
Trailer	15,000 lbs
Dimensions (chiller)	48' L x 8' W x 8 ½' H
Leveling Required	Within 1" per 8 ft.
Installed Clearances	10' (sides), 4' (electrical)

Mechanical Data

Water Connections	6" 150 lb RF flange in/out
Water Volume	93 gallons
Water Max. pressure	150 psig
Minimum Load	42 tons
Min. / Max. Water Flow	800/ 2004 gpm
Circuits / Compressors	2 / 3
Refrigerant / Charge	R134a / 205 / 415 / 415 lb
Oil / Charge	POE / 7.5 / 6.3 / 7.5 gal.

Electrical Data (Dual Disconnect, Pump)

Voltage	460 V /3 phase /60 hertz
Disconnect Size	1000 amps / 1000 amps
Connections	Leviton Series 16 Camlock
Cables Circuit 1	4/0 - (2) Per Ph, (1) Gnd
Cables Circuit 2	4/0 - (3) Per Ph, (1) Gnd
FLA / MCA Circuit 1	377 / 447 amps (w/pump)
FLA / MCA Circuit 2	528 / 604 amps
Rec. Service	600 / 800 amps

500-Ton Air Cooled Chiller

Physical Data							
Leaving Water Temp	Leaving Brine Temp	Capacity in Tons				Chiller Barrel Flow v. Pressure Drop	
		Ambient Air Temperature				Flow (gpm)	Pressure Drop* (psid)
		85°F	95°F	105°F	115°F		
55° F		542	510	454	-	800 Min.	2.8
50° F		511	490	445	-	900	3.2
45° F		484	463	440	355	1095 std.	4.3
40° F		450	432	413	347	1250	6.5
	35° F	405	388	371	312	1500	8.6
	30° F	374	359	343	288	1750	11.3
	25° F	338	324	310	260	2000 Max.	14.7

Water Limits: 55°F to 40°F / Brine: 25°F

*Cooler only