



RENTAL SYSTEMS



Unit Arrangement - Dimensions are Approximate

450-Ton Air Cooled Chiller

General Description and Features

- Ready for outdoor operation with minimal setup.
- Complete microprocessor control center
- Trailer mounted
- Two point power connection
- Low ambient temperature operation to -20°F
- High ambient temperature operation to 115°F
- Brine mode to 25°F
- Option for 300 psig water pressure available

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	3 / 3
Refrigerant / Charge	R134a / 205 / 415 / 415 lb
Oil / Charge	POE / 7.5 / 6.25 / 7.5 gal.

Equipment Data

Model(s)	30XAA450062-05X-L
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Shipping Data

Shipping Weight	27,500 lbs (chiller only)
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)

Electrical Data (Single Disconnect)

Voltage	460 V / 3 phase / 60 hertz
Disconnect Size	600 amps / 800 amps
Connections	Leviton Series 16 Cam
Cables Circuit 1	4/0 - (2) Per Ph, (1) Gnd
Cables Circuit 2	4/0 - (3) Per Ph, (1) Gnd
FLA / MCA Circuit 1	375 / 402 amps
FLA / MCA Circuit 2	580 / 604 amps
Rec. Service	500/700 amps

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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)		
		75° F	85° F	95° F	105° F	115° F				
55° F		530	510	490	460	380	800 Min.	2.5	30% PG	20% EG
50° F		495	475	460	435	360	900	3	5	--
45° F		460	440	425	405	370	1000 std.	4	6	4.9
40° F		420	400	390	370	350	1250	6	9	7.5
	35° F	380	360	340	330	315	1500	9	12.5	10.5
	30° F	345	325	310	300	285	1750	11.5	16.5	14
	25° F	320	300	280	270	255	2000 Max.	15	21	18

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

*Cooler only, no strainer or pipe