



RENTAL SYSTEMS

24-HOUR HOTLINE 800-586-8336

CARRIER.COM/RENTALS



500 TON AIR COOLED CHILLER

Unit Arrangement - Dimensions are Approximate

GENERAL DESCRIPTION AND FEATURES

- Ready for outdoor operation with minimal setup
- Dual point power connections
- Complete microprocessor control center
- Chiller is trailer mounted
- Low ambient temperature operation to 0°F
- Brine mode to 25°F
- 300 psig water pressure option available
- Unit mounted pump 1200gpm-100ft, 50HP-59FLA,

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.

EQUIPMENT DATA

Model(s)	30XAA5006J-02N13
Asset Numbers	NA18383 thru 18393

SHIPPING DATA

Shipping Weight	38,000 lbs (chiller & trailer)
Trailer	15,000 lbs
Dimensions (chiller)	48' L x 8' W x 8 1/2' H
Leveling Required	Within 1" per 8 ft.
Installed Clearances	10' (sides), 4' (electrical)

ELECTRICAL DATA Dual Disconnect, Pump

Voltage	460 V /3 phase /60 hertz
Chiller Disconn Size	amps / amps
Connection	Leviton Series 16 Camlock
Cables Circuit 1	4/0 - (2) Per Ph, (1) Ground
Cables Circuit 2	4/0 - (3) Per Ph, (1) Ground
FLA / MCA Circuit 1	385 / 461 amps (with pump)
FLA / MCA Circuit 2	529 / 605 amps
Recommend. Service	600 / 800 amps

Leaving Water Temp.	Leaving Brine Temp.	Capacity in Tons			
		Ambient Air Temperature			
		85° F	95° F	105° F	115° F
55° F		542	510	454	-
50° F		511	490	445	-
45° F		484	463	440	355
40° F		450	432	413	347
	35° F	405	388	371	312
	30° F	374	359	343	288
	25° F	338	324	310	260

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

Chiller Barrel Flow VS Pressure Drop	
Flow (GPM)	Pressure Drop * (PSID)
800 Min.	2.8
900	3.2
1095 std.	4.3
1250	6.5
1500	8.6
1750	11.3
2000 Max.	14.7

*Cooler only