



RENTAL SYSTEMS

24-HOUR HOTLINE 800-586-8336

CARRIER.COM/RENTALS



450 TON AIR COOLED CHILLER

Unit Arrangement - Dimensions are Approximate

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

EQUIPMENT DATA

Model(s) 30XAA450062-05X-L

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)

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.

ELECTRICAL DATA (TWO POINT POWER)

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

Leaving Water Temp.	Leaving Brine Temp.	Capacity in Tons				
		Ambient Air Temperature				
		75° F	85° F	95° F	105° F	115° F
55° F		530	510	490	460	380
50° F		495	475	460	435	360
45° F		460	440	425	405	370
40° F		420	400	390	370	350
	35° F	380	360	340	330	315
	30° F	345	325	310	300	285
	25° F	320	300	280	270	255

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

Chiller Barrel Flow VS Pressure Drop			
Flow (GPM)	Pressure Drop * (PSID) (Cooler only, no strainer or pipe)		
	2.5	30% PG	20% EG
800 Min.	2.5	30% PG	20% EG
900	3	5	--
1000 std.	4	6	4.9
1250	6	9	7.5
1500	9	12.5	10.5
1750	11.5	16.5	14
2000 Max.	15	21	18