



Trailer Mounted – Not Shown      Connections vary based on trailer

Unit Arrangement - Dimensions are Approximate

## 400 Ton Air Cooled Chiller

**General Description and Features:**

- Ready for outdoor operation with minimal setup
- Complete microprocessor control center
- Single point power connection
- Trailer mounted
- Brine mode to 0°F

**Equipment Data:**

Model RTAA-400

**Shipping Data:**

Shipping Weight 24,000 lbs  
 Trailer 15,000 lbs  
 Dimensions 48'L x 8'W x 8'H  
 Leveling Required 1" per 8'  
 Installed Clearances 8' (sides), 4' (electrical)

**Mechanical Data:**

Water Connections 6" 150 lb RF flange in/out  
 Water Volume 108 gallons  
 Water Max. pressure 215 psig  
 Minimum Load 40 tons  
 Min / Max Water Flow 408 / 1440 gpm  
 Circuits / Compressors 2 / 4  
 Refrigerant / Charge R-22 / 360 lbs / 360 lbs  
 Oil / Charge Mineral Oil / 17 gals / 17 gals

**Electrical Data:**

**Single Disconnect**

Voltage 460 V / 3 phase / 60 hertz  
 Disconnect Size  
 Connections Leviton Series 16 Camlock  
 Cables 4/0 – (2) Sets, (1) Ground  
 RLA/ MCA 740 / 772 amps

Leaving Water Temp.	Leaving Brine Temp.	Capacity in Tons			
		Ambient Air Temperature			
		75° F	85° F	95° F	105° F
55° F					
50° F		476	454	431	409
45° F		439	418	397	377
40° F		404	385	365	346
	30° F	338	322	305	289
	20° F	278	265	251	238
	10° F	225	214	203	192
	0° F	179	170	161	153

Water Limits: 65°F to 40°F / Brine: to 0°F

Chiller Barrel Flow VS Pressure Drop	
Flow (GPM)	Pressure Drop * (PSID)
450 Min.	4.4
750	8.2
850	11
1000 std.	15
1150	16
1250	19
1350	23
1500 Max.	34

\*Cooler only

