



RENTAL SYSTEMS



Unit Arrangement - Dimensions are Approximate

1,000-Ton Cooling Tower

General Description and Features

- Ready for operation with minimal setup
- Complete electrical controls
- Single point power connection
- All basin components, vertical supports & air inlet louver frames are 304SS Stainless steel
- Upper casing components are G-235 galvanized steel construction
- Water Inlets & outlets are on both sides of tower
- Sump heaters, (3) 12kW, 460V, 3Ph, 60Hz
- For normal operations, fans & heaters do not run at the same time.

Mechanical Data

Inlet Connection	(4) 6" 150 lb RF flanges
Outlet Connection	(3) 10" 150 lb RF flanges
Make-up Connection	(2) 2" MPT
Drain Connection	(3) 3" MPT
Overflow Connection	(2) 3" MPT
Fill	PVC rated to 130° F
Drive Type	Gearbox

Equipment Data

Model AT48-548-S

Shipping Data

Shipping Weight	34,000 lbs. with trailer
Operating Weight	49,000 lbs. with trailer
Trailer	17,000 lbs.
Dimensions	50' L x 8.5' W x 13'-6" H
Leveling Required	Within 1" per 8 ft.
Installed Clearances	12' (sides), 4' (electrical)

Electrical Data (Single Disconnect)

Voltage	460 V / 3 phase / 60 hertz
Disconnect Size	200 amps
Connection	Leviton Series 16 Camlock
Cables	(1) Set, (1) Ground
(4) Fans @ 25HP ea	460 V / 3 phase / 60 hertz
(3) Heaters @ 12kW ea	460 V / 3 phase / 60 hertz
FLA / MCA (fans only)	121 / 129 amps

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Physical Data					
Water Temperature		Capacity (gallons per minute)			
In/Out	Wet Bulb Temperature				
	70° F	72° F	75° F	78° F	80° F
90° F / 80° F	3300	2844	2094		
95° F / 85° F	4772	4424	3788	3060	2464
105° F / 85° F	3208	2972	2534	2084	1688
120° F / 90° F	3460	3326	3074	2722	2488
130° F / 90° F	3120	2790	2730	2396	2172

The 130°F to 90°F ratings are estimates, outside Cooling Tower Institute certification. CTI certification applies to tower with an inlet water temperature less than 125°F; a temperature range of 6°F or more; a temperature approach of 5°F or more; and a wet bulb between 60°F and 82°F.