



STAR
COOLING TOWERS

Industrial Cooling Tower
Rentals



Temporary Cooling Capacity for Cooling Tower Replacement and Repair

POWER – PETROCHEMICAL - REFINING

sales@starcoolingtowers.com

starcoolingtowers.com
877-232-8418



Industrial cooling tower rentals feature a unique forced draft and counterflow evaporative cooling design. Each module has multiple direct-drive fans, offering heat removal rates from 2 million to 1,000 million BTU/hr. Self-adjusting spray nozzles efficiently manage varying water flows.

Key benefits include:

- Assisting industrial plant customers in recovering from cooling tower failures
- Augmenting and supplementing cooling water flows
- Providing cooling for planned system turnarounds

Cooling tower capacities range from 100 gallons per minute (GPM) to 10,000 GPM. For large-scale projects, the modular design allows interconnected towers to cool water up to 1.5 million GPM, with capacities reaching 1,200,000 GPM and above. Individual modules offer capacities as small as 500 GPM, with single towers ranging from 200 to 1,000 tons. Heat removal rates range from 2 million to 1,000 million BTU/hr. Self-adjusting spray nozzles handle varying water flows.

- Help industrial plant customers recover from existing cooling tower failure
- Augment and/or supplement cooling water flows
- Provide cooling for planned system turnarounds
- The capacities of the cooling towers range from 100 gallons per minute (GPM) to 10,000 GPM.
- For the biggest projects, the modular design of water-cooling towers allows them to be interconnected to cool water up to 1.5 million GPM. It can produce capacities of 1,200,000 GPM and above.
- Individual modules have capacities as small as 500 GPM and single towers ranging from 200 to 1,000 tons.



Figure 1 (12) Interconnected Modular Rental Towers for Demo & Construction of Replacement Cooling Tower.



Cooling Tower Rentals for Any Cooling Water Limitation



Figure 2 Individual Modular Design Allows for Interconnected Cooling Tower

a portion of the overheated discharge water through temporary cooling towers, cooling it, and blending it with the remaining discharge water stream to achieve the desired temperature. This allows the plant to continue operating fully while discharging water at environmentally safe and compliant temperatures.

- **Emergency Cooling:** We can minimize costly downtime following a disaster by providing a turnkey system, including pipes, pumping, electrical distribution, and generators, to restore cooling capacity within days.

- **Temporary Cooling Capacity:** Maximize production during hot summer months or peak demand times by using temporary cooling towers to reduce the water temperature from your overheated main tower.
- **Cooling Tower Replacement and Repair:** When repairing or replacing a permanent cooling tower, ensure uninterrupted plant productivity. To maintain continuous operations, divert water from the primary tower to rental towers with the same capacity.
- **Thermal Discharge Management:** Our solution addresses the challenge of maintaining discharge water temperature limits in hot weather. It involves running



STAR

COOLING TOWERS

Design, Construction, Repair & Upgrades Since 1951



**The Integrity of Service
and Technology**

Outstanding Customer Service

The Star Performance Plus program is a comprehensive solution for efficiently maintaining, operating, and optimizing your cooling towers. It delivers consistent thermal performance, minimizes unplanned maintenance and emergency downtime, and significantly reduces overall maintenance costs.

OEM Replacement Parts

Star's extensive selection of quality OEM (Original Equipment Manufacturer) replacement parts is compatible with most cooling tower models and manufacturers, offering a high-quality, reliable, low-cost alternative to expensive original equipment parts.

Call us today for more details on how STAR can be your best-value cooling tower supplier.

sales@starcoolingtowers.com

starcoolingtowers.com
877-232-8418