



ENGINEERED PLASTIC COOLING TOWERS

WON'T RUST, HATE
THE OR CORRODE



Home Company History Production Facility What's New Employment Opportunities Contact Us

Product Lines

- PIONEER ®
- PARAGON ®
- PREMIER
- TM SERIES ™
- PACKAGED COOLING SYSTEMS

Why Delta Cooling?

Applications

Options & Accessories

Principles of Cooling Towers

Request for Cooling Tower Quote

Packaged Cooling System Inquiry

Request for Tower Selection Program

Request for Information

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AIR STRIPPERS



Municipal & Industrial

PREMIER™

Induced Draft, Counter Flow Design 250 – 500 Ton Single Modules

- Detailed Standard Features
- Installation & Operation Manual
- PDF Specifications & Drawings
- Cut Away View

Standard Features

All cooling towers are factory assembled to the fullest extent possible for ease of installation and shipment. The following features are standard on Delta Cooling Tower Premier™ Series Induced Draft Cooling Towers.

Shell:

A seamless engineered polyethylene (HDPE) molded shell, with conical transition for motor/fan assembly and integrally molded louvered inlet section around base of cooling tower integrated for optimum air distribution. There are no joints, seams, panels, gaskets or hundreds of bolts, fasteners or caulking like conventional towers. Delta provides a 15 year warranty on the structural shell.

Sump:

Sump shall be integral with cooling tower shell, creating a one-piece seamless structure. Water Distribution System: A self propelled PVC distribution system incorporating a rotating sprinkler head and lateral distribution arms with integral drift eliminators. An inspection port is provided in the cooling tower shell at the lateral arm elevation for adjustment.

Wet Decking:

Non-corrosive, polyvinyl chloride (PVC) wet decking, bonded and packed for maximum film cooling efficiency.

Fan Assembly:

The fan assembly consists of a fan ring, propeller, motor and guard. The fan ring is coated with premium plasite coating ideal for the harshest corrosive environments. A adjustable pitch propeller fan, fiberglass reinforced polypropylene with a silica alloy hub, is directly driven by a totally enclosed motor designed for cooling tower duty. A fan guard is included that allows protection from the propeller and access to the motor.

Motor:

Totally enclosed air over (TEAO) motor with 1.15 service factor, designed for 208 or 230/460 volt, 3 phase 60 cycle operation and suitable for outdoor service. Motor is warranted for 5 years by the manufacture.

Fitting Connections:

PVC fittings are provided for inlet, outlet, overflow, drain, and make-up connections at standard orientation locations. However, orientation for special requirements is available for new and replacement installations.

Hardware:

All fasteners are 304 stainless steel. Standard anchor and lifting lugs are aluminum.

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