Premier Induced Draft Tower

Premier™ Cooling Towers

Delta's Premier™ induced draft, counter flow; low profile design is available in single module capacities from 250 to 500 cooling tons.

These towers use the same unitary seamless engineered plastic construction that Delta has been manufacturing since 1997, and have been very well received in both commercial and industrial applications.

Premier's cost less to install and operate! The light weight construction reduces rigging and structural roof support requirements. While maintenance and water treatment chemical costs are significantly lowered.

Standard Features:

- Seamless Engineered Plastic (HDPE) Shell
- Corrosion Proof Construction
- Coated Steel Mounting Platform
- Direct Drive Fan System
- Totally Enclosed VFD Rated Motors
- Completely Factory Assembled
- 20 Year Shell Warranty
- PVC Water Distribution System with Non-clog Large Orifice Removable Nozzles
- High Efficiency PVC Fill
- Made in the USA

Basic Specs

Model Number	Approximate Weights		Dimensions L x W x Ht.	Capacity Tons	Fan Motor HP (#)	Sump Cap. Gallons
	Shipping	Operating				
ΔTR-205812	3,900	8,100	15.5' x 8.5 ' x 11'	254	5 x (2)	450
ΔTR-275812	4,000	8,200	15.5' x 8.5 ' x 11'	292	7.5 x (2)	450
ΔTR-210812	4,100	8,300	15.5' x 8.5 ' x 11'	319	10 x (2)	450
ΔTR-305812	6,050	12,130	21.5' x 8.5 ' x 11'	408	5 x (3)	720
ΔTR-375812	6,160	12,240	21.5' x 8.5 ' x 11'	460	7.5 x (3)	720
ΔTR-310812	6,350	12,430	21.5' x 8.5 ' x 11'	502	10 x (3)	720

Detail Features

All Delta Cooling Towers are factory assembled to the fullest extent possible for ease of installation and shipment. The following features are standard on our 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, bolts, fasteners or caulking like conventional towers.

Sump:
Sump is 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.

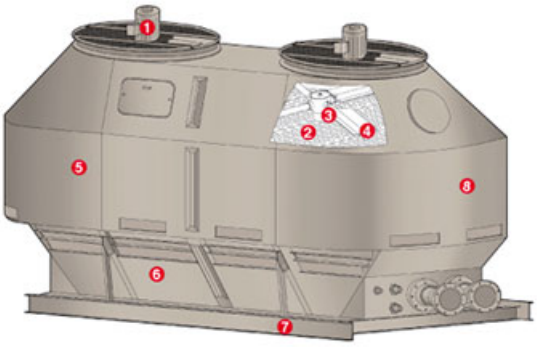
Fan Assembly:
The fan assembly consists of a fan ring, propeller, motor and guard. The fan ring is coated with premium plasite coating ideal for the harshest corrosive environments. An adjustable pitch propeller fan, fiberglass reinforced polypropylene with a silica alloy hub, is directly driven by a totally enclosed VFD Premium rated 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) VFD rated motor with 1.15 service factor, designed for 208 or 230/460V 3 phase 60 cycle operation and suitable for outdoor service. Motor is provided with a 5-year motor manufacturers warranty.

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

Hardware:
All fasteners are 304 stainless steel. Anchor and lifting lugs are aluminum

Cutaway View



Drawing & IOM

Premier Manual PDF
Premier Specification PDF
TR-205812 Thru TR-210812 Assembly PDF
TR-305812 Thru TR-310812 Assembly PDF