

Delta Cooling Tower PARAGON Series Induced Draft

Mfg: Delta

Model: T-250I

Stock No. BFLV098.11a

Serial No. 55307 and 56915

(2) Delta Paragon Series Induced Draft Cooling Tower- 250 Ton. Model: T250I. S/N's: 55307 and 56915. Sump capacity: 718 gallons. Lincoln Motor, 15 hp, 1170 rpm, 230/460 V, 42/21 amps, 60 Hz, 3 phase. Light-weight and corrosion free HDPE construction. Key feature of a Paragon series cooling tower is its self-propelled rotating arm water distribution system. Its polyethylene drift eliminators prevent water droplets from leaving the tower. Inlets: (1) 6 in. dia. port with an 11 in. dia. flange and (8) 3/4 in. dia. thru-holes at a center-to-center distance of 4 in. Outlets: (1) 3 in. dia. PVC (female, drain), (1) 3 in. dia. PVC (female, overflow), (1) (1) 6 in. dia. port with an 11 in. dia. flange and (8) 3/4 in. dia. thru-holes at a center-to-center distance of 4 in. Overall dimensions: 9 ft. 6 in. dia. x 17 ft. 4 in.





Standard Features

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

Shell:

A seamless engineered polyethylene cylindrical (HDPE) molded shell, with conical transition for motor/fan assembly and louvered air inlets designed for 360° air distribution and fitting connection orientation. 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.

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:

A continuous wrapped spiral configuration of lightweight PVC, bonded and packed for maximum film cooling efficiency.

Fan Assembly:

The fan assembly consists of a fan ring, prop, 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 rated motor designed for cooling tower duty. A fan guard is included that allows protection from the propeller and access to the motor.

Totally enclosed air over (TEAO) VFD rated 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.

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.

- 1 Corrosion-Proof Shell** - HDPE Plastic Construction can not corrode and is backed by 15 Year Warranty.
- 2 Lightweight And Heavy Duty** - Plastic is lighter than conventional cooling towers and average wall thickness is 5-10 times sheet metal towers.
- 3 Leak-Proof Sump** - Molded as Unitary (One-Piece) Structure that has no joints to leak or require re-caulking and sealing.
- 4 Water Distribution System** - Self-propelled multiple PVC rotating arm system evenly distributes the water.
- 5 Drift Eliminator** - Polyethylene drift eliminators prevent water droplets from leaving the tower.
- 6 Fill Material** - High efficiency spiral wound PVC cellular design for maximum cooling.
- 7 Direct Drive Air Moving System** - Totally enclosed VFD rated cooling tower motor powers fiber-reinforced polypropylene axial propeller fan.

