



Delta Cooling Towers

Leader in Non-Corrosive Cooling Tower Technology



Forced Draft, Counter Flow Design 10 - 100 Ton Single Modules

Pioneer® cooling towers

are forced draft counter flow design cooling towers with single module capacities from 10 to 100 cooling tons. These towers are a unitary seamless engineered plastic design that Delta has been manufacturing since 1971 and have been the standard for long-term trouble-free operation.

STANDARD FEATURES:

- ☞ Seamless Engineered Plastic (HPDE) Shell
- ☞ Corrosion Proof Construction
- ☞ Forward Curved Centrifugal Blower with Totally Enclosed Motor.
- ☞ Factory Assembled for Simple Installation
- ☞ 15 Year Shell Warranty
- ☞ PVC Water Distribution System with Non-clog Large Orifice Removable Nozzles
- ☞ High Efficiency PVC Fill
- ☞ Made in the USA

Compare the value Delta Cooling Towers offer against the value of other comparable units. You will find the benefits we can provide are unique and superior:

- ☞ Cost Reduction - save water costs and sewer taxes. A Delta cooling tower pays for itself by recirculating water.
- ☞ Non-Corrosive Materials of Construction - impervious to chemicals, acids, and salts.
- ☞ Cost Less to Maintain - will not rust, chip, or ever require painting for extraordinary tower life.
- ☞ Unique Design - provides unlimited flexibility of modular operation, future upgrade capability, and location convenience.
- ☞ One-Piece Construction - strong and long lasting. Shell is backed by a 15 year warranty.
- ☞ Cost Less to Install - light weight construction reduces rigging and structural roof support requirements. Maintenance costs and water treatment chemicals cost are significantly lowered.

OPTIONS AVAILABLE:

- ☞ Mounting Platforms
- ☞ Two Speed Motors
- ☞ Thermostatic On/Off Fan Control Package
- ☞ Anti Freeze Basin Heaters
- ☞ Pump(s)
- ☞ Sump Level Switches
- ☞ Stainless Steel Basket Strainers
- ☞ Control Panels
- ☞ Storage Tanks





Forced Draft, Counter Flow Design 10 - 100 Ton Single Modules

CORROSION-PROOF SHELL

HDPE Plastic Construction can not corrode and is backed by 15 Year Warranty.

LIGHTWEIGHT AND HEAVY DUTY

Plastic is lighter than conventional cooling towers and average wall thickness is 5-10 times sheet metal towers.

LEAK-PROOF SUMP

Molded as Unitary (One-Piece) Structure that has no joints to leak or require re-caulking and sealing.

FILL MATERIAL

High efficiency spiral wound PVC for maximum cooling.

DRIFT ELIMINATOR

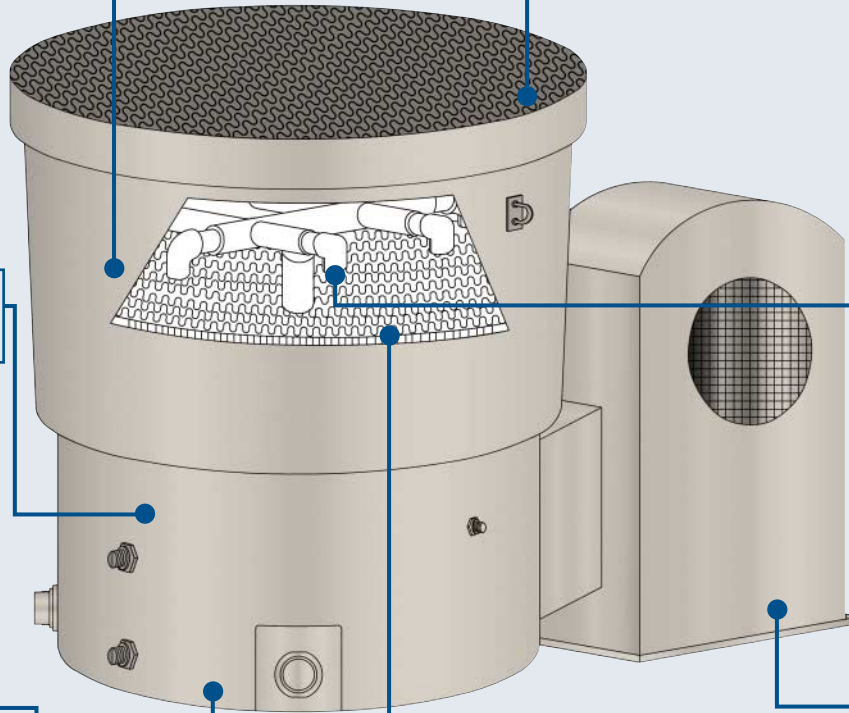
PVC drift eliminator prevents water droplets from leaving the tower.

NOZZLE WATER DISTRIBUTION SYSTEM

Non-Clog large orifice removable nozzles evenly distribute the water.

AIR MOVING SYSTEM

Totally enclosed cooling tower motor powers centrifugal blower with optional HDPE weather hood.



| Model Number | Approximate Weight Shipping | Operating | Dimensions Dia. x Ht. | Capacity Tons | Fan Motor HP | Sump Capacity Gallons |
|--------------|-----------------------------|-----------|-----------------------|---------------|--------------|-----------------------|
| Δt-10 | 350 | 705 | 38" x 78" | 10 | 1 | 40 |
| Δt-15 | 360 | 725 | 38" x 78" | 15 | 1.5 | 40 |
| Δt-20 | 385 | 750 | 38" x 78" | 20 | 2 | 40 |
| Δt-25 | 405 | 765 | 38" x 78" | 25 | 3 | 40 |
| Δt-30 | 710 | 1500 | 56" x 76" | 30 | 5 | 75 |
| Δt-40 | 730 | 1525 | 56" x 76" | 40 | 5 | 75 |
| Δt-50 | 910 | 2610 | 80" x 80" | 50 | 5 | 157 |
| Δt-75 | 970 | 2675 | 80" x 80" | 75 | 7.5 | 157 |
| Δt-100 | 1030 | 2730 | 80" x 80" | 100 | 10 | 157 |

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PARAGON[®] COOLING TOWERS

Induced Draft, Counter Flow Design 100 - 250 Ton Single Modules

Paragon[®] cooling towers

are induced draft counter flow design cooling towers with single module capacities from 100 to 250 cooling tons. These towers are a unitary seamless engineered plastic design that Delta has been manufacturing since 1981 providing long-term durability and trouble-free operation.



STANDARD FEATURES:

- ❶ Seamless Engineered Plastic (HPDE) Shell
- ❶ Corrosion Proof Construction
- ❶ Direct Drive Fan System with Totally Enclosed Motor.
- ❶ Factory Assembled for Simple Installation
- ❶ 15 Year Shell Warranty
- ❶ Low Pressure Drop Self Propelled PVC Water Distribution System
- ❶ High Efficiency PVC Fill
- ❶ Made in the USA

Compare the value Delta Cooling Towers offer against the value of other comparable units. You will find the benefits we can provide are unique and superior:

- ❶ Energy Efficiency - low fan HP from optimized cooling counterflow design, low pump head.
- ❶ Non-Corrosive Materials of Construction - impervious to chemicals, acids, and salts.
- ❶ Cost Less to Maintain - will not rust, chip, or ever require painting for extraordinary tower life.
- ❶ Unique Design - provides unlimited flexibility of modular operation, future upgrade capability, and location convenience.
- ❶ One-Piece Construction - strong and long lasting. Shell is backed by a 15 year warranty.
- ❶ Cost Less to Install - light weight construction reduces rigging and structural roof support requirements. Maintenance costs and water treatment chemicals cost are significantly lowered.

OPTIONS AVAILABLE:

- ❶ Mounting Platforms
- ❶ Two Speed Motors
- ❶ Thermostatic On/Off Fan Control Package
- ❶ Anti Freeze Basin Heaters
- ❶ Pump(s)
- ❶ Sump Level Switches
- ❶ Stainless Steel Basket Strainers
- ❶ Control Panels
- ❶ Storage Tanks



PARAGON[®] COOLING TOWERS

Induced Draft, Counter Flow Design 100 - 250 Ton Single Modules

CORROSION-PROOF SHELL

HDPE Plastic Construction can not corrode and is backed by 15 Year Warranty.

LIGHTWEIGHT AND HEAVY DUTY

Plastic is lighter than conventional cooling towers and average wall thickness is 5-10 times sheet metal towers.

LEAK-PROOF SUMP

Molded as Unitary (One-Piece) Structure that has no joints to leak or require re-caulking and sealing.

DIRECT DRIVE AIR MOVING SYSTEM

Totally enclosed cooling tower motor powers fiber-reinforced polypropylene axial propeller fan.

FILL MATERIAL

High efficiency spiral wound PVC cellular design for maximum cooling.

DRIFT ELIMINATOR

Polyethylene drift eliminators prevent water droplets from leaving the tower.

WATER DISTRIBUTION SYSTEM

Self-propelled multiple PVC rotating arm system evenly distributes the water.

| Model Number | Approximate Weight Shipping | Operating | Dimensions Dia. x Ht. | Capacity Tons | Fan Motor HP | Sump Capacity Gallons |
|--------------|-----------------------------|-----------|-----------------------|---------------|--------------|-----------------------|
| ΔT-100I | 1510 | 4235 | 84" x 146" | 100 | 5 | 330 |
| ΔT-125I | 1585 | 4310 | 84" x 146" | 125 | 7.5 | 330 |
| ΔT-150I | 1785 | 5570 | 95" x 178" | 150 | 7.5 | 468 |
| ΔT-175I | 1925 | 5810 | 95" x 178" | 175 | 10 | 468 |
| ΔT-200I | 3170 | 8440 | 114" x 210" | 200 | 10 | 718 |
| ΔT-250I | 3365 | 8640 | 114" x 210" | 250 | 15 | 718 |

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Induced Draft, Counter Flow Design 254 – 502 Ton Single Modules

Premier™ Cooling Towers

are low profile, induced draft counter-flow design cooling towers with single module capacities from 254 to 502 cooling tons. These towers use the same unitary seamless engineered plastic construction in a low profile design that Delta has been manufacturing since 1997 and have been very well received in both commercial and industrial applications.



STANDARD FEATURES:

- ❶ Seamless Engineered Plastic (HDPE) Shell
- ❶ Corrosion Proof Construction
- ❶ Coated Steel Mounting Platform
- ❶ Direct Drive Fan System with Totally Enclosed Inverter-Rated Cooling Tower Duty Motors
- ❶ 15 Year Shell Warranty
- ❶ PVC Water Distribution System with Non-clog Large Orifice Removable PVC Nozzles
- ❶ High Efficiency PVC Fill
- ❶ Made in the USA

Compare the value Delta Cooling Towers offer against the value of other comparable units. You will find the benefits we can provide are unique and superior:

- ❶ Energy Efficiency – low fan HP from optimized cooling counter-flow design, low pump head.
- ❶ Non-Corroding Materials of Construction – impervious to chemicals, acids and salts.
- ❶ Cost Less to Maintain – will not rust, chip, or ever require painting for extraordinary tower life.
- ❶ Unique Design – provides unlimited flexibility of modular operation, future upgrade capability, and location convenience.
- ❶ One-Piece Construction – strong and long lasting. Shell is backed by a 15 year warranty.
- ❶ Cost Less to Install and Operate – light weight construction reduces rigging and structural roof support requirements. Maintenance costs and water treatment chemicals cost are significantly lowered.

OPTIONS AVAILABLE:

- ❶ Two Speed Motors
- ❶ Thermostatic On/Off Fan Control Package
- ❶ Anti Freeze Basin Heaters
- ❶ Pump(s) / Skid Mounted Pump and Control Stations
- ❶ Sump Level Switches
- ❶ Stainless Steel Basket Strainers
- ❶ Control Panels / Variable Frequency Drives
- ❶ Storage Tanks



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

DIRECT DRIVE AIR MOVING SYSTEM

Totally enclosed high-efficiency cooling tower duty motors power multiple fiber-reinforced polypropylene axial propeller fans.

DRIFT ELIMINATOR

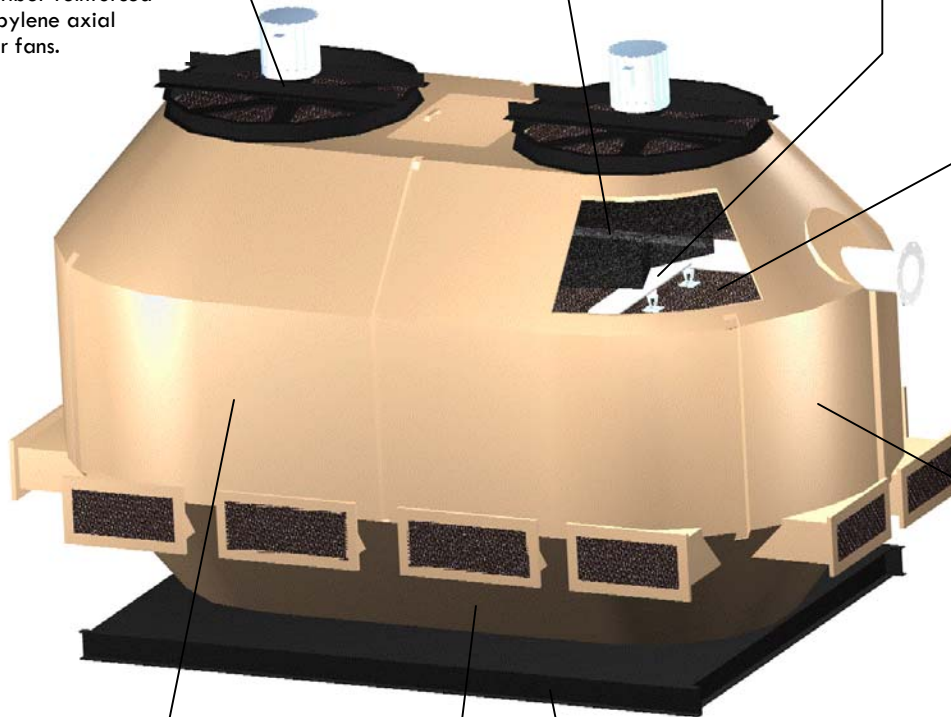
Three pass PVC drift eliminator prevents water droplets from leaving the tower.

NOZZLE WATER DISTRIBUTION SYSTEM

Non-Clog large orifice removable nozzles evenly distribute the water.

FILL MATERIAL

High efficiency PVC cellular design for maximum cooling.



LIGHTWEIGHT & HEAVY DUTY

Plastic is lighter than conventional cooling towers and average wall thickness is 5-10 times sheet metal towers.

LEAK-PROOF SUMP

Molded as Unitary (One-Piece) Structure that has no joints to leak or require re-caulking and sealing.

INSTALLATION PLATFORM

Base coated steel structure eases installation by spanning existing structures or flexibility in designing new installations.

CORROSION-PROOF SHELL

HDPE Plastic construction can not corrode and is backed by a 15 Year Warranty.

| Model Number | Approximate Shipping Weight | Operating Weight | Dimensions L x W x Ht. | Capacity Tons | Fan Motor HP | Sump Capacity Gallons |
|--------------|-----------------------------|------------------|------------------------|---------------|--------------|-----------------------|
| TR-205812 | 3,900 | 7,990 | 15.5' x 8.5' x 11' | 254 | 5 x (2) | 450 |
| TR-275812 | 3,980 | 8,140 | 15.5' x 8.5' x 11' | 292 | 7.5 x (2) | 450 |
| TR-210812 | 4,100 | 8,300 | 15.5' x 8.5' x 11' | 319 | 10 x (2) | 450 |
| TR-305812 | 6,050 | 11,960 | 21.5' x 8.5' x 11' | 408 | 5 x (3) | 720 |
| TR-375812 | 6,170 | 12,150 | 21.5' x 8.5' x 11' | 460 | 7.5 x (3) | 720 |
| TR-310812 | 6,350 | 12,430 | 21.5' x 8.5' x 11' | 502 | 10 x (3) | 720 |

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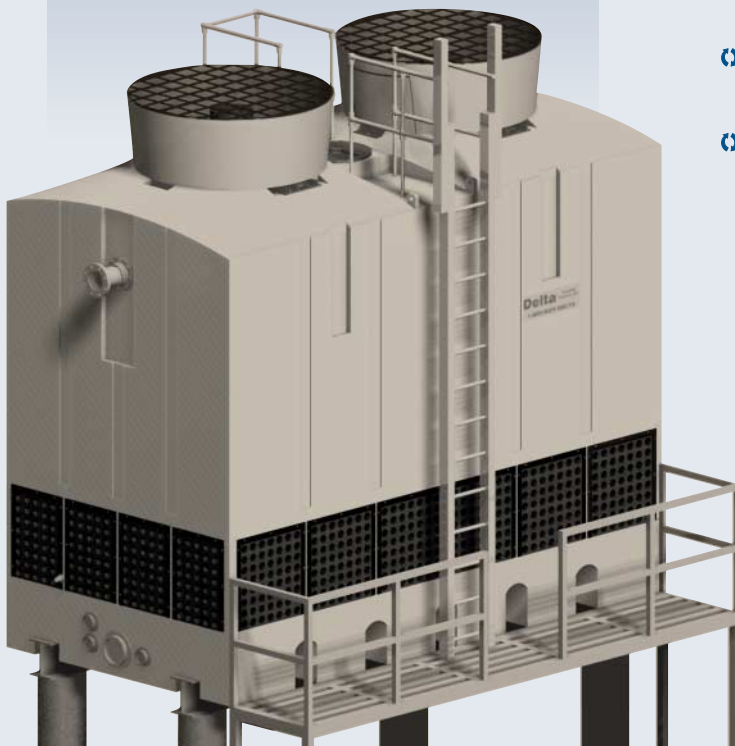
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Induced Draft, Counter Flow Design 250 - 2,000 Ton Single Modules

TM Series® cooling towers

are induced draft counter flow design cooling towers with single module capacities from 250 to 2,000 cooling tons. These towers are a modular design that Delta has been manufacturing since 2001 and have been very well received in both commercial and industrial applications.



STANDARD FEATURES:

- ☞ Seamless Engineered Plastic (HPDE) Shell
- ☞ Corrosion Proof Construction
- ☞ Seamless Sloped Sump with Integrally Molded I-beam Pockets
- ☞ Direct Drive Fan System with Totally Enclosed Motor
- ☞ Factory Assembled for Simple Installation
- ☞ 15 Year Shell Warranty
- ☞ PVC Water Distribution System with Non-clog Large Orifice Removable Nozzles
- ☞ High Efficiency PVC Fill
- ☞ Made in the USA

Compare the value Delta Cooling Towers offer against the value of other comparable units. You will find the benefits we can provide are unique and superior:

- ☞ Energy Efficiency - low fan HP from optimized cooling counterflow design, low pump head.
- ☞ Non-Corrosive Materials of Construction - impervious to chemicals, acids, and salts.
- ☞ Cost Less to Maintain - will not rust, chip, or ever require painting for extraordinary tower life.
- ☞ Unique Design - provides unlimited flexibility of modular operation, future upgrade capability, and location convenience.
- ☞ One-Piece Construction - strong and long lasting. Shell is backed by a 15 year warranty.
- ☞ Cost Less to Install - light weight construction reduces rigging and structural roof support requirements. Maintenance costs and water treatment chemicals cost are significantly lowered.

OPTIONS AVAILABLE:

- ☞ Two Speed Motors
- ☞ Thermostatic On/Off Fan Control Package
- ☞ Anti Freeze Basin Heaters
- ☞ Pump(s)
- ☞ Sump Level Switches
- ☞ Stainless Steel Basket Strainers
- ☞ Control Panels
- ☞ Storage Tanks



Induced Draft, Counter Flow Design 250 - 2,000 Ton Single Modules

DIRECT DRIVE AIR MOVING SYSTEM

Totally enclosed cooling tower motors power multiple fiber-reinforced polypropylene axial propeller fans within polyethylene velocity recovery stack.

FILL MATERIAL

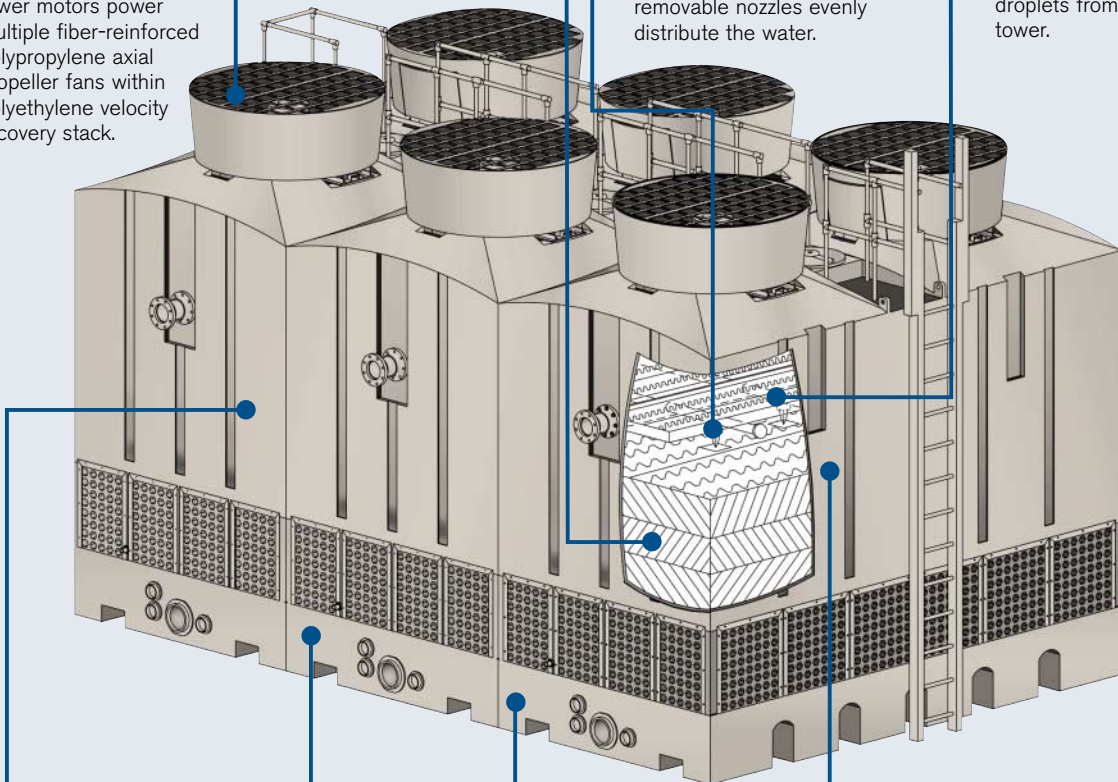
High efficiency PVC cellular design for maximum cooling.

NOZZLE WATER DISTRIBUTION SYSTEM

Non-Clog large orifice removable nozzles evenly distribute the water.

DRIFT ELIMINATOR

Three pass PVC drift eliminator prevents water droplets from leaving the tower.



LIGHTWEIGHT AND DOUBLE-WALL

Plastic is lighter than conventional cooling towers and integrated double-wall is more than 10 times the average wall thickness of metal towers.

LEAK-PROOF SUMP

Molded as Unitary (One-Piece) Structure that has no joints to leak or require re-caulking and sealing.

SELF SUPPORTING PLASTIC BASE

Tower can be set on flat surface or on I-Beams placed in Integrally-Molded I-Beam Pockets for elevated installations.

CORROSION-PROOF SHELL

HDPE Plastic Construction can not corrode and is backed by 15 Year Warranty.

INDEPENDENT CELL CAPABILITY

Independent Cells allow isolation of cells for operational flexibility.

| Model Group | Approximate Weight Shipping | Operating | Dimensions L x W x Ht. | Capacity Tons | Fan Motor HP | Sump Capacity Gallons |
|-------------|-----------------------------|-----------|------------------------|---------------|--------------|-----------------------|
| 1 Cell | 5020 | 10670 | 16.5' x 8.5' x 15.5' | 250-425 | 10-30 | 480 |
| 2 Cell | 10040 | 21340 | 16.5' x 17.0' x 15.5' | 460-820 | 20-60 | 960 |
| 3 Cell | 15060 | 32010 | 16.5' x 25.5' x 16.5' | 700-1200 | 30-90 | 1400 |
| 4 Cell | 20080 | 42680 | 16.5' x 34.0' x 16.5' | 910-1580 | 40-120 | 1920 |
| 5 Cell | 25100 | 53350 | 16.5' x 42.5' x 16.5' | 1120-1710 | 50-120 | 2400 |
| 6 Cell | 30120 | 64020 | 16.5' x 51.0' x 16.5' | 1340-2020 | 60-120 | 2880 |

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Why Delta Cooling Towers Are The Industries Best

Delta Cooling Towers are made from a **CORROSION PROOF** engineered plastic. The cooling tower shell will never rust, flake, chip, peel or ever need painting or protective coatings applied. Delta believes its towers are the future of the industry. Metal towers do not have the long-term corrosion protection advantages for outdoor usage. The galvanizing or other metal treatments only delay the corrosion of the underlying, often thin gauge sheet metal.

Delta manufactures a totally **SEAMLESS** cooling tower. Delta towers are the only large packaged cooling towers in the industry that have a “one-piece” shell. This means there are no seams, panels, rivets or hundreds of fasteners to fail or compromise the performance or integrity of the product.

Delta stands behind its products with the best warranty in the industry. Delta provides a **15-YEAR WARRANTY** on the cooling towers structural shell. In addition, Delta’s cooling tower motors have a 5-year warranty.

Delta Cooling Towers are **LOW MAINTENANCE** by design. Delta has carefully designed its products to have minimal maintenance issues. Other manufacturers of cooling towers have much more complicated designs to achieve the same performance. This includes many more parts – which are more potential maintenance or require the maintenance of other towers. On Delta towers there are no gear reducers, couplings, additional shafts, or extra bearings to maintain.

Delta prides itself on exceptional **CUSTOMER SERVICE**. Our “can-do” mindset allows us to meet or exceed any customer’s cooling tower requirements. We offer many product options and can provide any accessories associated with cooling towers.

Delta Cooling Towers, Inc.

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History of Delta Cooling Towers

Delta Cooling Towers, Inc. was founded to manufacture and market the initial concept of a maintenance free seamless one-piece non-corrosive Polyethylene cooling towers, and sold its first unit in June 1971.

Delta's **PIONEER**[®] forced draft cooling tower line is factory assembled in single modules from 10 through 100 tons of cooling capacity.

Delta's **PARAGON**[®] induced draft cooling towers are factory assembled in single modules, from 100 to 250 tons in single modules.

Delta's **PREMIER**[™] induced draft cooling towers are offered in 6 single-cell models ranging from 250-500 cooling tons, and features a low profile design. They are designed for ease of installation to span existing cooling tower structural supports. The Premier[™] towers come standard pre-mounted on a steel platform.

Delta's **TM Series**[™] cooling towers are supplied from 250 up to 2000-ton capacity in multi-module systems, and are CTI certified. They are a double wall polyethylene construction designed in two sections for shipment purposes. The tower section includes the wet decking, the hot water distribution system, the mist eliminator and the motor/fan assemblies with the velocity recovery fan stacks. The other section is the cold-water basin.

In 1981 Delta entered the air stripper market and currently markets a standard line of **VANGUARD**[®] packed column air strippers from 1' through 5' diameter. Larger custom designed systems can be provided up to 15' diameter.

Delta prides itself in its ability to provide the technical expertise necessary to meet the requirements of any application with respect to stripper design, materials of construction, type of packing and total system capability. Our capabilities are listed in our general literature, which also shows installation photographs of some of Delta's air stripper applications.

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