

FTA SERIES COOLING TOWER

FRP / RCC cooling towers

Guaranteed thermal performance by CTI USA

Designed for HVAC and light industrial applications

www.flowtechair.com





The Flow Tech Air advantage

For years, Flow Tech Air as a company and a brand has been synonymous with performance and quality. As part of our fully integrated approach to cooling tower system design, manufacturing, installation and commissioning,

The FTA Series by Flow Tech Air is a cooling tower designed specially keeping in mind the expanding markets and the need for optimized for apt tonnage applications. With more than two-and-a-half decades of cooling tower designing and manufacturing experience, the FTA Series excels where others simply can't. We offer higher efficiency, superior thermal performance, finest quality and durability that today's industry desperately demands. Every FTA Series tower is backed by the reliability and assured quality which has made Flow Tech Air into what it is today and all of this for a commercial price that might astonish you.



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FTA Series

COUNTERFLOW INDUCED DRAFT COOLING TOWERS FOR HVAC
AND LIGHT INDUSTRIAL APPLICATIONS

FTA Series - A counterflow cooling tower with certified 110% Thermal performance efficiency

The FTA Series FRP/RCC, induced draft, counter-flow line of cooling towers is the ideal choice for light industrial and HVAC application that require ensured thermal performance with optimal efficiency. With the inclusion of high performance, low clog Flow Tech Air make fill media options ensures that the product meets the client's absolute water quality issues at maximum efficiency. The FTA series cooling tower factory fabricated and is made in a way to ensure quick field assembly.

MODE OF OPERATION

FTA series cooling towers are mechanical-draft counter-flow cooling towers. In this form of tower, hot water flows into the cooling tower through the gravity flow distribution system to the polypropylene spray nozzles and is distributed uniformly over the cooling tower fill. The enforced cold air is derived by our dynamically balanced induced-draft axial fans.

MULTIPLE CELLS - CONFIGURATION

The FTA series cooling tower can be installed as a multicellular in-line configuration. Each two adjacent cells have a one joint center wall. Back to back configurations are also available.

INDUSTRIAL-STRENGTH CONSTRUCTION AND MATERIALS

The FTA Series Cooling Tower is designed to meet the rigors of HVAC and industrial applications using the following components:

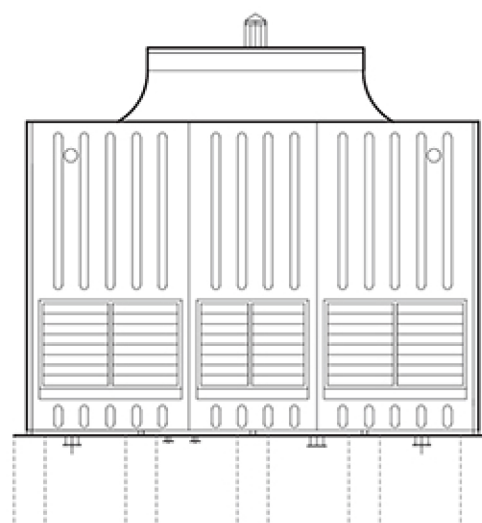
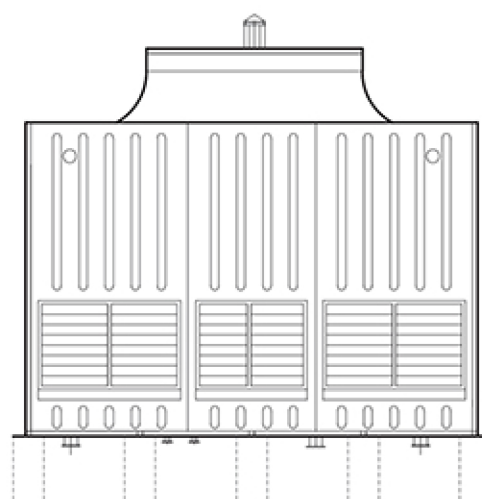
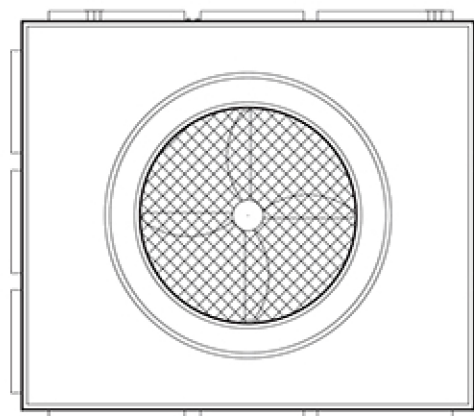
- Optional MS HDG / SS304 / SS316 / SS316 L internal support structure
- 3mm to 8mm FRP Panel using unsaturated polyester resin with UV protected Gel Coat
- Flow Tech Air make UV Protected high efficiency, low clog PVC Fills and Eliminators
- Flow Tech Air make FRP/Aluminium Axial Flow Fan Assembly with Aluminum / SS304 Hub options

CERTIFIED THERMAL PERFORMANCE EFFICIENCY

The FTA Series Cooling Tower is certified by the Cooling Technology Institute (USA) which certifies the thermal performance as specified and eliminates any need for site testing or test site expenses.



Capacity	Maximum Flow Rate**
40 TR	134 usgpm / cell (31 cmh)
60 TR	198 usgpm / cell (46 cmh)
80 TR	244 usgpm / cell (56 cmh)
100 TR	304 usgpm / cell (70 cmh)
125 TR	386 usgpm / cell (89 cmh)
150 TR	450 usgpm / cell (104 cmh)
175 TR	542 usgpm / cell (125 cmh)
200 TR	634 usgpm / cell (146 cmh)
225 TR	695 usgpm / cell (160 cmh)
250 TR	756 usgpm / cell (174 cmh)
275 TR	822 usgpm / cell (189 cmh)
300 TR	887 usgpm / cell (204 cmh)
325 TR	976 usgpm / cell (224 cmh)
350 TR	1065 usgpm / cell (245 cmh)
375 TR	1161 usgpm / cell (267 cmh)
400 TR	1256 usgpm / cell (289 cmh)
425 TR	1334 usgpm / cell (307 cmh)
450 TR	1412 usgpm / cell (325 cmh)
475 TR	1488 usgpm / cell (342 cmh)
500 TR	1568 usgpm / cell (360 cmh)
525 TR	1635 usgpm / cell (376 cmh)
550 TR	1703 usgpm / cell (392 cmh)
600 TR	1839 usgpm / cell (423 cmh)
625 TR	1910 usgpm / cell (439 cmh)
650 TR	1980 usgpm / cell (455 cmh)
700 TR	2121 usgpm / cell (488 cmh)
725 TR	2198 usgpm / cell (506 cmh)
750 TR	2275 usgpm / cell (523 cmh)
775 TR	2352 usgpm / cell (541 cmh)
800 TR	2430 usgpm / cell (559 cmh)
825 TR	2463 usgpm / cell (566 cmh)
850 TR	2495 usgpm / cell (574 cmh)
875 TR	2528 usgpm / cell (581 cmh)
900 TR	2561 usgpm / cell (589 cmh)
950 TR	2804 usgpm / cell (645 cmh)
1000 TR	3047 usgpm / cell (701 cmh)



Flow rate based on temperature design condition at 100° F/37.7° C inlet and 90° F/32.2° C outlet with ambient WBT (Wet Bulb temperature) at 83° F/28.3° C.