

# Water Cooling Towers



## Series DFC-60



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# ONLY DELTA





## Milestones towards Perfection

The company was incorporated in 1993 by experienced and professional entrepreneurs, who are committed to produce a quality range of products. Almost two decades of a strong, customer-focused approach and the continuous quest for world-class quality have enabled the company to attain and sustain leadership in all its major lines of business. The company comprises of

professionally qualified persons having passed through the grass root level in sales, service and commitments.



As part of company's continuous improvement program, its facility has been certified to ISO 9001 by an accredited certification body. The brand DELTA is also backed by the All India approval with The E-In-C, Military Engineering Services (Ministry Of Defence).



DELTA COOLING TOWERS P. LTD. has had an excellent track record, thanks to its focus on quality and customer care. Company's commitment towards "TOTAL CUSTOMER SATISFACTION" has been the driving force behind its climb near to the summit. Company constantly endeavors to fulfill this commitment by emphasizing on quality, reliability and service.

With persistent dedication towards quality management Delta has successfully become the leader in acquiring quality certifications and approvals by various departments. No doubt Delta's struggle to perfection has been acclaimed as a milestone in the industry.





## Applications

### APPLICATIONS

- Air Conditioning & Refgn. Systems
- Compressors & Chillers
- Injection & Blow Moulding Machines
- Diesel Generator Sets
- Induction Furnace
- Process Cooling
- Chemical Process
- Pharmaceutical Industries
- Oxygen Plants
- Welding Machines
- Extruders
- Dry Cleaning Machines
- And many more.....



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DELTA'S DFC-60 series cooling towers comes into rectangular shape after erection at customer's site.

## Design Concept DFC-60 Series

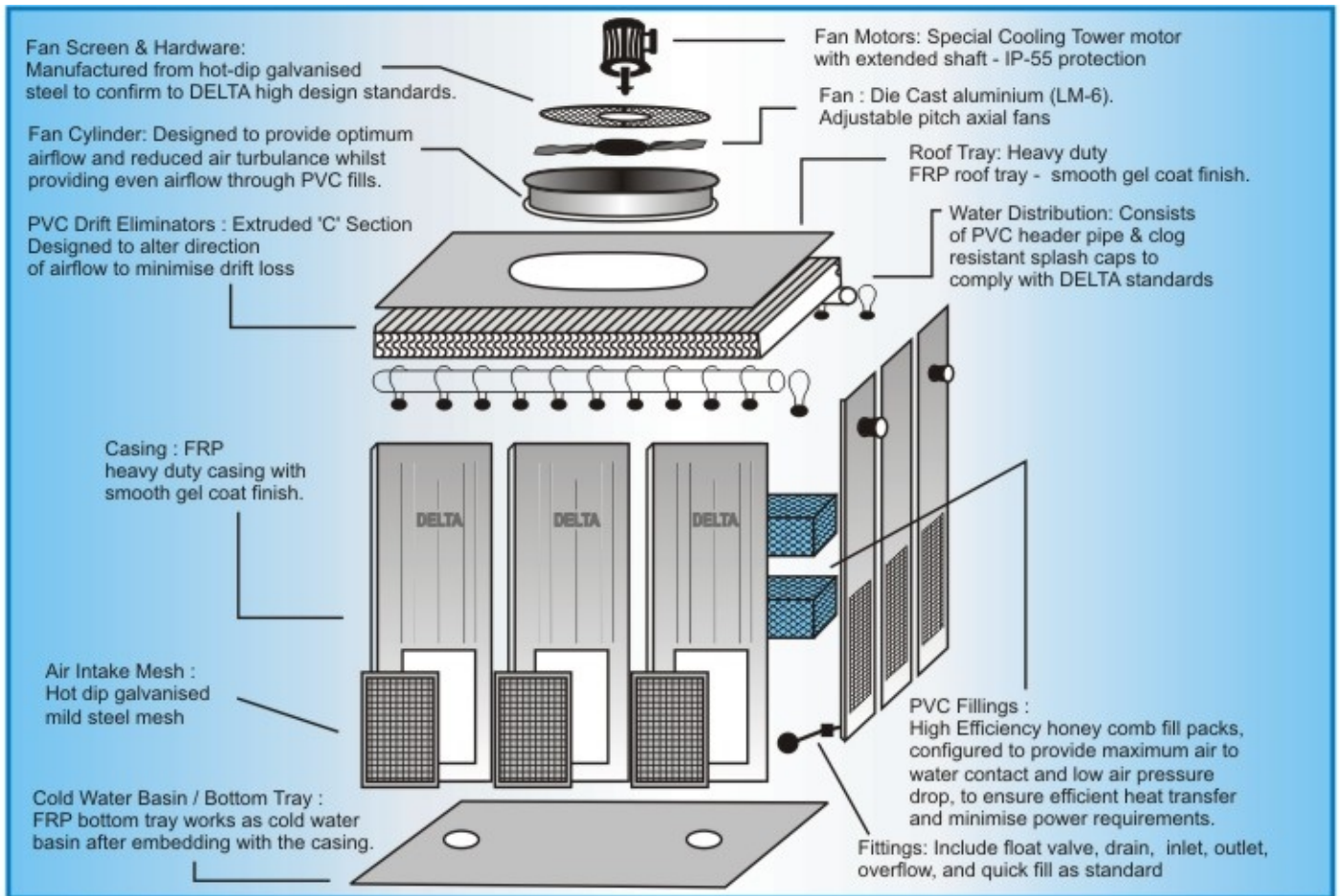
These cooling towers utilise the induced draught counter flow principle of operation. The fan creates vertical air movement up the tower across the filling in opposition to water flow. Thus the coldest water contacts the driest air. Heated circulated water enters via the hot water inlet passing through fixed non clogging spray splash distributed over the heat exchange fills.



### SPECIAL FEATURES

- High Efficiency
- Fiberglass Reinforced Plastic (FRP) Construction
- Induced draught fans with manually adjustable pitch
- Even water distribution with splash caps
- Special drift eliminator to reduce maximum drift loss
- Part load operation may be provided
- Competitive cost





**Note:**

1. Illustration shown above has been made as per the design of cooling towers of 80TR or higher capacities.
2. All models are available in grey colour normally, other colours to match the environment can be made available on request.
3. Cooling towers smaller than 15TR are not supplied with ladder.
4. All MS parts are hot dip galvanised.
5. Cooling Tower comes into existence after being erected on concrete foundation and MS base frame provided by the customer at their site.

**The Inside Story**

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## Excellence in Design and Performance



DELTA COOLING TOWERS P. LTD. specialises in cooling tower technologies. For over 2 decades the pursuit of excellence and product performance have established DELTA as the criterion of the industry.

More and more industrial, airconditioning, steel, plastic, power generation, chemicals and processing industries rely on DELTA cooling technologies for uncompromising quality, guaranteed thermal performance design and engineering excellence.

When it comes to cooling for high precision and agile machines, owners, consultants and contractors look upon DELTA to provide optimum cooling for their applications.

DELTA cooling technologies help HVAC systems provide optimum living, working and recreational environments in small to large, commercial and industrial facilities.



DIMENSIONS & TECHNICAL DATA						
DESIGN NOS.	TR CAP	SIZES (MM) L X W X H	FAN DIA (MM)	MOTOR HP	MOTOR (RPM)	OPERATING WEIGHT (KG.)
6007	7	650 X 650 X 2300	450	0.5	2800	200
6010	10	800 X 800 X 2300	450	0.5	1440	225
6015	15	950 X 950 X 2300	600	1.0	1440	300
6018	18	950 X 950 X 2300	600	1.0	960	350
6020	20	1100 X 1100 X 2800	700	1.0	960	400
6025	25	1100 X 1100 X 2800	700	2.0	1440	450
6030	30	1250 X 1250 X 2800	900	2.0	960	500
6035	35	1250 X 1250 X 2800	900	2.0	1440	550
6040	40	1500 X 1500 X 2800	1200	2.0	960	750
6050	50	1500 X 1500 X 2800	1200	2.0	960	800
6060	60	1850 X 1850 X 3000	1200	2.0	960	950
6070	70	1850 X 1850 X 3000	1200	3.0	960	1100
6080	80	2250 X 1950 X 3000	1200	3.0	960	1200
6090	90	2250 X 2250 X 3000	1200	3.0	960	1300
6110	110	2550 X 2250 X 3000	1200	5.0	960	1600
6125	125	2550 X 2550 X 3000	1500	5.0	960	1900
6150	150	2850 X 2850 X 3000	1500	7.5	960	2400
6175	175	3150 X 2850 X 3000	1500	7.5	960	2700
6200	200	3450 X 3150 X 3000	1800	7.5	720	3300
6225	225	3450 X 3450 X 3100	1800	7.5	720	3600
6250	250	3750 X 3450 X 3000	2 X 1200	2 X 7.5	2 X 960	3900
6275	275	4350 X 3150 X 3000	2 X 1200	2 X 7.5	2 X 960	4200
6300	300	4350 X 3450 X 3000	2 X 1200	2 X 7.5	2 X 960	4600
6325	325	4350 X 3750 X 3000	2 X 1500	2 X 7.5	2 X 960	5000
6350	350	4700 X 3750 X 3000	2 X 1500	2 X 7.5	2 X 960	5400
6375	375	4350 X 4350 X 3100	2 X 1500	2 X 7.5	2 X 720	5800
6400	400	5000 X 4050 X 3100	2 X 1500	2 X 7.5	2 X 720	6200
6425	425	5000 X 4350 X 3100	2 X 1800	2 X 7.5	2 X 720	6700
6450	450	5000 X 4700 X 3100	2 X 2100	2 X 10.0	2 X 720	7200
6500	500	6200 X 4050 X 3100	2 X 2100	2 X 10.0	2 X 720	7800
6550	550	6200 X 4350 X 3100	2 X 2100	2 X 10.0	2 X 720	8300
6600	600	6200 X 5000 X 3100	2 X 2100	2 X 10.0	2 X 720	9500
6650	650	6200 X 5300 X 3200	2 X 2400	2 X 12.5	2 X 720	10000
6700	700	6200 X 5600 X 3200	2 X 2400	2 X 12.5	2 X 720	10700
6750	750	6200 X 5900 X 3300	2 X 2400	2 X 12.5	2 X 600	11300
6800	800	6500 X 6200 X 3300	2 X 2400	2 X 12.5	2 X 600	12500
6850	850	6500 X 6500 X 3300	2 X 2700	2 X 15.0	2 X 600	13000
6900	900	6800 X 6500 X 3300	2 X 2700	2 X 15.0	2 X 600	13800
61K0	1000	8000 X 6200 X 3300	2 X 2700	2 X 15.0	2 X 600	15600
61K1	1100	8650 X 6200 X 3200	4 X 2100	4 X 10.0	4 X 720	16800
61K2	1200	9250 X 6500 X 3200	4 X 2100	4 X 10.0	4 X 720	16900

- Nominal TR capacity has been computed on the basis of water circulation rate of 4 USGPM/TR at 97.5-90.-83° F conditions.
- Performance is based upon installation, in an outdoor location and absence of nearby structures which might prevent free air movement.
- Cooling towers do not include base frame, motor starter, pumps, valves, controls, foundation, pipe fittings etc..  
The job excludes civil works, electrical work, plumbing or piping work etc..
- All models are available in grey colour normally, other colours to match environment can be made available on special request.
- Cooling towers smaller than 15 TR are not supplied with the ladder.
- All MS parts are hot dip galvonised and hardwares are G.I.
- The company operates a policy on continous improvements and reserves the right to make alterations in designs and specification without any notice.



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## DELTA'S ACTIVITIES INCLUDE

- Manufacturing of FRP counter flow cooling tower in Round Bottle shape. Series — DFC-50.
- Manufacturing of on line Non Chemical Water Treatment Device.
- Manufacturing of Shell & Tube Type Heat Exchangers, Chillers and Condensers.
- Pipe line jobs on turn-key basis.
- Manufacturing of FRP Air Washers.
- Maintenance, repair, modification, upgradation, overhauling of all type of cooling towers.
- Custom made spare parts of all makes.



## DELTA WELCOMES YOUR ENQUIRY

To discuss and suggest best cooling tower suitable for your specific needs, following are the data requirements:

1. Type of Application
2. Water Circulation Rate.
3. Temperature of water entering to the Cooling Tower.
4. Temperature of water leaving the Cooling Tower.
5. Ambient Wet Bulb Temperature.
6. Space/ Power restrictions, if any.



## DELTA COOLING TOWERS P. LTD.

1st FLOOR, BHAGWATI SADAN, PLOT NO.8, COMMUNITY CENTRE,  
BH-BLOCK, SHALIMAR BAGH, DELHI-110 088 (INDIA).

PHONES : +91-11- 27495801, 27495802, 27495803

FAX : +91-11-27495804

E-MAIL : [delta@deltacooling.com](mailto:delta@deltacooling.com) WEBSITE : [www.deltacooling.com](http://www.deltacooling.com)



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