CTI Certification Validation No. C154A-25R00
SFCT-SQ Series

SUPERFLOW COOLING TOWERS PVT. LTD.

20+ Years of Excellence in Cooling Solutions

- **High-Efficiency, Energy-Saving Cooling Towers**
- **CTI-Certified, CE-Certified & ASHRAE 90.1 Compliant**
- **Trusted by Industries. Recognised Globally**
- **Sustainable Solutions for Green Buildings (IGBC/LEED)**

Correspondence Add. :
BT-06, Sears Apartment, Flat No. 102, Omaxe Height, Sector-86, Nahar Par, Faridabad-121002 (HR)
Mobile : 9810337622, 9310337622, 9350337623
E-mail : rajeevsuperflow@gmail.com, sales@sfcoolingtower.com
Website : www.sfcoolingtower.com

About Us

For over two decades, **Superflow Cooling Towers Pvt. Ltd. (SFCTPL)** has been at the forefront of **design, engineering, and manufacturing high-quality, high-efficiency cooling towers**. Built on a strong foundation of hard work, ethics, and a relentless pursuit of excellence, Superflow has earned a reputation as a **hallmark of quality and reliability** in India's cooling tower industry.

Innovation & Expertise As a technology-driven organisation, Superflow continues to play a vital role in **developing innovative products and advanced technologies** for the evaporative cooling market. Our product portfolio includes a **comprehensive range of FRP Induced Draft Cooling Towers** in **round, square, and rectangular configurations**, tailored to meet the diverse needs of industries worldwide.

Certifications & Global Standards Superflow is an **ISO 9001:2015 certified company**, driven by the mission of **setting global benchmarks in cooling tower technology**.

- Our **SFCT-SQ range of cooling towers** is **CTI (Cooling Technology Institute, Houston, USA) certified** for thermal performance as per **CTI STD-201 standards**. (Certification details available at www.cti.org)
- The entire product line is **CE certified**, assuring compliance with international quality and safety standards.
- All cooling towers are **ASHRAE 90.1 compliant**, making them eligible for **LEED certification by IGBC (Indian Green Building Council)** and contributing to sustainable, energy-efficient building practices.

Our Vision With over 20 years of expertise and a global outlook, **Superflow Cooling Towers Pvt. Ltd.** continues to **redefine industry standards**—delivering **efficiency, reliability, and innovation** in every cooling solution.

CTI Certification Validation No. C154A-25R00
SFCT-SQ Series

Induced Draught Cooling Towers

Superflow's Induced Draught Cooling Towers are engineered with advanced German technology to ensure **optimum thermal performance, reliability, and durability** for a wide range of industrial applications.

Key Technical Features

Heat Exchange System (PVC Fills)

- High-strength PVC fills with **double-folded margins** for erosion resistance and extended lifespan.
- Film-type design provides maximum **air–water contact surface** for efficient heat transfer.
- Automatic drainage feature minimizes water carryover and pressure drop.
- Withstands continuous water temperatures up to **65 °C**.
- Manufactured using **precision German technology** with automated bonding process.

Drift Eliminators

- German-engineered, high-efficiency profile design.
- Drift loss restricted to **≤ 0.001%** of circulating water flow under standard conditions.

Water Distribution System

- **Rigid PVC headers & laterals**, designed for high strength and corrosion resistance.
- Capable of withstanding **2 KSC (~20 m head)** without failure.
- Delivers uniform water distribution with **no external pumping pressure requirement** in Superflow tower design.

Axial Flow Fans & Drive System

- Aerodynamically designed axial flow fans, **statically & dynamically balanced**.
- Direct drive eliminates gearbox-related maintenance issues.
- Equipped with **TEFC, IP55-protected motors** from reputed makes like **NEI, Siemens, ABB**.
- Motor–fan assemblies co-guaranteed for reliability and long service life.

Tower Body (FRP Casing)

- Fabricated with **isothelic resin & FRP matting** for corrosion resistance and structural strength.
- Resistant to **UV rays, wind loads, and treatment chemicals**.
- Available in multiple color options.

Advantages

- **Energy-efficient** design lowers operational costs.
- **Compact construction** for space-saving installation.
- **High reliability & low maintenance** due to direct drive design.
- Meets **global quality standards** for thermal performance.

CTI Certification Validation No. C154A-25R00
SFCT-SQ Series

Key Technical Highlights of CTI-Certified Cooling Towers

- **Application-Specific Design**
  Each Superflow cooling tower is custom-engineered to suit the project's exact cooling load, water flow, and site conditions. Instead of fixed tonnage classifications, designs are tailored for real-world efficiency and flexibility.
- **Precision Performance Evaluation**
  All towers undergo comprehensive in-house testing and site validation using calibrated instruments and digital monitoring. This ensures that every delivered unit meets its designed thermal and hydraulic performance.
- **Energy-Efficient Thermal Performance**
  Superflow towers are developed with optimized air–water contact geometry, ensuring maximum heat rejection with minimal fan power and water drift. Our designs prioritize low operating costs and reliable performance.
- **Advanced Heat Exchange Components**
  High-quality PVC fills (MUNTERS, BRENTWOOD, or equivalent) and precision drift eliminators are used for efficient thermal exchange, reduced water carryover, and long-term performance stability.
- **Balanced Airflow System**
  Fans and Stacks are aerodynamically tuned to provide smooth air circulation and uniform cooling across all operating conditions.Available depending on site requirements.
- **Robust Structural Integrity**
  Built using FRP panels, stainless steel fasteners, and hot-dip galvanized steel frameworks, Superflow towers resist corrosion, vibration, and mechanical stress even under demanding industrial operations.
- **Reliable Selection & Documentation**
  Each project includes accurate selection sheets, design data, and performance charts — enabling transparent technical evaluation and confidence during procurement and inspection stages.
- **Quiet & Smooth Operation**
  Optional low-speed fan drives and aerofoil fan designs make Superflow towers well-suited for urban, commercial, and HVAC installations where noise control is essential.
- **Dedicated Supervision & Installation**
  Every Superflow installation is managed directly by our trained in-house engineers — from site planning to commissioning.We do not rely on third-party subcontractors for critical execution.
- **Sustained Quality Control**
  Through continuous testing, periodic inspections, and material traceability, Superflow ensures every tower maintains its performance consistency and structural reliability year after year.
- **Reliable Cooling. Sustainable Future.**
  Superflow Cooling Towers Pvt. Ltd. — delivering engineered cooling solutions that combine efficiency, durability, and trust for modern industries.

Performance You Can Rely On, Cooling You Can Trust.

CTI Certification Validation No. C154A-25R00
SFCT-SQ Series

Overview

SFCT-SQ – CTI Certified Cooling Towers

Our **SFCT-SQ range of cooling towers** is **CTI certified** for thermal performance under CTI Standard STD-201. This certification assures building owners, designers, and installers that the cooling tower will perform **exactly as published in manufacturer catalogues**, eliminating the need for costly field tests and guaranteeing reliable system performance.

- ✓ Manufacturer's thermal performance certified by **Cooling Technology Institute (STD-201)**
- ✓ **Certification Validation No. C154A-25R00**
- ✓ Range: **55 CUM/H to 3500 CUM/H** (Various models available)

Why CTI-Certified Cooling Towers?

- **Guaranteed Thermal Performance:** Each model is independently tested and certified by the Cooling Technology Institute (CTI) to verify that its actual performance matches the manufacturer's published ratings.
- **Energy Efficiency & Cost Savings:** Accurate performance ensures your system operates at optimal efficiency, reducing power consumption and operational costs.
- **Reliability & Peace of Mind:** Certified towers eliminate the risk of undersized or underperforming installations, ensuring consistent cooling across varying load conditions.
- **Compliance & Global Acceptance:** CTI certification is recognized worldwide and aligns with ASHRAE, LEED, and other international standards.
- **No Field Testing Required:** Certification eliminates the need for costly on-site performance tests, saving time and resources during commissioning.

Choosing a **CTI-certified tower** means investing in **verified performance, proven reliability, and lifetime operating efficiency.**

Advantages of SFCT-SQ

Why Choose SFCT-SQ?

- Modular construction – easy to scale up
- Available in various shell sizes from 55 CUM/H to 3500 CUM/H
- **CTI STD-201 certified** for thermal performance
- Entire range also **CE certified**
- **ASHRAE 90.1 compliant** – supports IGBC/LEED Green Buildings
- Lightweight, weatherproof, mechanically strong
- Impact-resistant FRP construction
- Complete with inlet, outlet, drain, make-up & quick-fill connections
- Easy to install, maintain & repair
- Operates efficiently up to **55°C water temperature**
- Available in **aesthetic colours** as per requirement

CTI Certification Validation No. C154A-25R00
SFCT-SQ Series

Applications :

- **HVACR**
- **Pharmaceuticals**
- **Food & Beverage**
- **Oil & Gas**
- **Plastics & Moulding**
- **DG Sets**
- **Power Plants**
- **Steel**
- **Chemicals & Fertilisers**
- **Sugar**
- **Cement**
- **Process Plants**

COOLING TECHNOLOGY INSTITUTE

PO Box 681807, Houston, TX 77268 / 13231 Champion Forest Drive, Suite #230, / Houston, TX 77069
Phone: 281.583.4087 / Fax: 281.537.1721 / email: vmanser@cti.org / http://www.cti.org

July 29, 2025
(Revision 0)

SuperFlow Cooling Towers Pvt. Ltd.
BT-06, Sears Tower, Flat No. 102, Omaxe Height, Sector-86,
Nahar Par, Faridabad-121002, India

Subject: CTI Cooling Tower Certification for the
SuperFlow Cooling Towers Pvt. Ltd.
SFCT Inducted Draft Counterflow Cooling Towers

Greetings:

The Superflow Cooling Towers Pvt. Ltd. (SuperFlow), line of SFCT induced draft counterflow cooling towers as described in your original application and clarifications through May 6, 2025, has satisfactorily fulfilled the requirements for certification of thermal performance by the Cooling Technology Institute (CTI), as set forth in the CTI Certification Standard STD-201(21). A listing of the seven (7) primary, single-cell models of the SFCT cooling tower line presently encompassed by this certification is included with this letter for reference.

The SuperFlow line of SFCT cooling towers has been assigned and should use CTI Certification Validation Number C154A-25R00. You are hereby authorized and encouraged to display the CTI Certification Logo in all pertinent literature and are required to affix the CTI Certification Label on all towers comprising the line, as provided in the Certification Standard.

This CTI Certification requires the successful completion of a CTI Annual Reverification Test on a different model each year to remain in effect in the subsequent year.

Very truly yours,

Michael G. Womack, PE
CTI Thermal Certification Administrator

COOLING TECHNOLOGY INSTITUTE

PO Box 681807, Houston, TX 77268 / 13231 Champion Forest Drive, Suite #230, / Houston, TX 77069
Phone: 281.583.4087 / Fax: 281.537.1721 / email: vmanser@cti.org / http://www.cti.org

SuperFlow Cooling Towers Pvt. Ltd.
SFCT Series Certified Counterflow Cooling Towers
CTI Certification Validation Number C154A-25R00
July 29, 2025 (Revision 0)

SFCT-SQ-08
SFCT-SQ-09
SFCT-SQ-11
SFCT-SQ-13
SFCT-SQ-15
SFCT-SQ-16
SFCT-SQ-18

Footnotes:

1. Multi-cell configurations of the primary single cell models are certified with an adjustment of the leg height of all of the cells to permit more open area for the remaining, unblocked, inlets of interior cells. This option limits the impact on airflow rate or capacity of the individual cells.
2. Certification includes optional items that do not affect thermal capacity, such as access ladder, handrails, maintenance platform and walkway, etc.

Certified Model Number Example: SFCT-SQ-11-2

Where: SFCT = The Product Series
SQ-11 = Model Code
-2 = 2 Cell Model (capacity equals 2 times single cell rating)

Summary

McHale & Associates, Inc. (McHale) has been designated by the Cooling Technology Institute (CTI) to conduct thermal certification tests as set forth in the CTI STD-201(21) certification standard. A CTI Initial Qualification Test was performed for Superflow Cooling Towers Pvt. Ltd. (SuperFlow) on their SFCT Series, Model SFCT SQ-11, 1-cell Induced-Draft, Counterflow Cooling Tower. The test was conducted at the La-Med Health Care Facility in Sector-24, Faridabad, India. The purpose of the CTI Initial Qualification Test was to verify the thermal performance of the subject tower as required to obtain CTI Certification of the line of cooling towers. The work was performed by McHale as an independent contractor licensed by CTI for STD-201 testing services.

The Initial Qualification Test was conducted on June 17, 2025, in accordance with the CTI Standard for Performance Rating of Evaporative Heat Rejection Equipment, STD-201RS(21). The test data were acquired in accordance with the CTI Acceptance Test Code for Water-Cooling Towers, ATC-105(22). All thermal parameters were measured with precision platinum RTD temperature probes and recorded using a data acquisition system consisting of a multi-channel data logger interfaced with a laptop computer. The circulating water flow was measured using a hydraulic pitot tube with an air-over-water manometer. Fan motor power was measured with a clamp-on digital kilowatt meter. Following the test, the computer system was used to average the test data, assist with selection of time periods for analysis, and calculate the test results.

The test results were calculated for one time period selected during the Initial Qualification Test by using the manufacturer's expanded ratings table and the methods of analysis as specified in the CTI STD-201 certification standard. The data indicate that the SuperFlow Model SFCT SQ-11 cooling tower was operating at 150.0% of its published capacity during the test on June 17, 2025 which exceeds the 95% minimum allowed by the CTI STD-201.

Therefore, the Superflow Cooling Towers Pvt. Ltd., SFCT Series of cooling towers has fulfilled the test requirement to obtain thermal certification per CTI STD-201.

The CTI STD-201 Certification requires the successful completion of a CTI Annual Reverification Test on a different model each year to remain in effect in the subsequent year.

Prepared by:

Michael G. Womack, P.E.
CTI Thermal Certification Administrator

CTI Certification Validation No. C154A-25R00
SFCT-SQ Series

CTI Thermal Certification Test Report

T154A-174-24I

Initial Qualification Test
On the Superflow Cooling Towers Pvt. Ltd. (SuperFlow)
SFCT Series, Model SFCT SQ-11
1-cell Induced-Draft, Counterflow Cooling Tower

For Superflow Cooling Towers Pvt. Ltd.
BT-06, Sears Tower, Flat No. 102, Omaxe Height, Sector-86,
Nahar Par, Faridabad-121002, India

Test Date: June 17, 2025
CTI Test Number: T154A-174-24I

Prepared by: Michael G. Womack, P.E.
CTI Thermal Certification Administrator
c/o CleanAir Engineering

Test on Super Flow Model SFCT SQ-11

June 17, 2025

CTI Certification Validation No. C154A-25R00
SFCT-SQ Series

Cooling Technology Institute

Test Calculations - SI Units (°C, m^3/h & kPa)

File No. IP250118 Date 6/17/2025 Time Period 16:13:00-17:12:00

Model No. SFCT-SQ-11 Location Sector-24, Faridabad TAN # T154A-174-25I

Test Data

Hot Water, °C =	33.97	Cold Water, °C =	29.92	Wet Bulb, °C =	27.09
Tower Flow, m^3/h =	156.5	Makeup Flow, m^3/h =	N/A	Makeup Temp. °C =	N/A
Test Fan Power, kW =	7.55	0 p Pressure, kPa =	N/A	Barometer, kPa =	97.32
Rated Fan Power, kW =	7.50	Dry Bulb, °C =	31.68	Humidity % =	70.61

Calculated Values

Pump Correction = 0.000239 * kPa / Pump Efficiency (0.8 assumed)	PC = 0.00	°C
Evaporation = 0.00153 * Flow * Range	Evap = N/A	m^3/h
Makeup Corr. = (CWT + PC - MUT) * MUF / (Tower Flow - MUF)	MC = N/A	°C
CCWT = CWT + PC + MC	CCWT = 29.92	°C
Range = HWT - CCWT	Range = 4.05	°C
Approach = CCWT - WBT	Approach = 2.83	°C

Predicted Test Flow Rate At Test Thermal Conditions Via Selection Program Version Marcel IDCF **103.13 m^3/h**

Adjusted Test Flow = Test Flow * [Fan Power (design) / Fan Power (test)] $^{(1/3)}$

Adjusted Test Flow (@ design fan power) = 156.15 m^3/h

Barometric Factor {kPa} = 1 + (0.0023 (BPstd - BPtst))

Barometric Factor = 1.009212

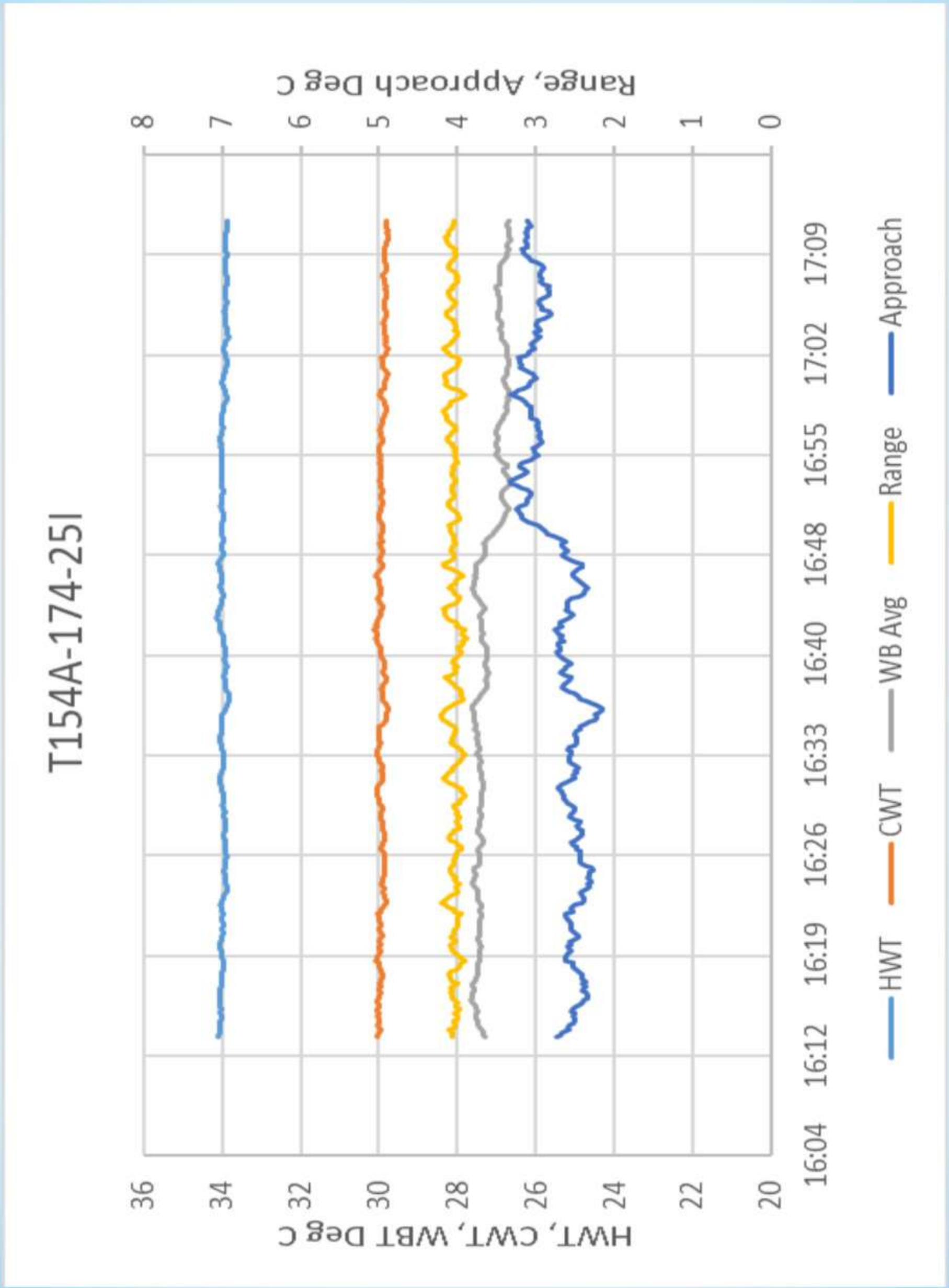
Adjusted Corrected Test Flow (with BP correction) = Adjusted Test Flow / Barometric Factor

Adjusted Corrected Test Flow (@ design barometer) = 154.72 m^3/h

Percent Capability = Adjusted Corrected Test Flow / Predicted Test Flow * 100

*** Percent Capability = 150.02 %**

201


T154A-174-25I
Range, Approach Deg C
8
7
6
5
4
3
2
1
0
HWT, CWT, WBT Deg C
36
34
32
30
28
26
24
22
20
16:04
16:12
16:19
16:26
16:33
16:40
16:48
16:55
17:02
17:09
HWT
CWT
WB Avg
Range
Approach

IDCF Software Output (Marcel IDCF Input Data File)

```
C:\IDCF\IDCF.EXE

                  * * * * *  T H E R M A L   D A T A .  * * * * *
 Site altitude.............m          0  Barometric press...millibar  1013.3
 Ambient wet bulb temp.....C      27.09  Air relative humidity.....%    70.0
 Ambient dry bulb temp.....C      31.79  Water salinity.........ppm     5000

 Water flow.................unknown
 Cold water temperature....C      29.92  Range.....................C     4.05
 KaV/L mult. factor(upper).--      1.00  Pr.drop mult.fact.(upper)--     1.00
 Merkel correction factor..--      1.00  Recirculation allovance...C     0.00
                  * * * * *  R E S U L T S .  * * * * *
 Actual water flow.....m3/hr     103.13  Heat load...million kcal/hr      0.4
 Water density.........kg/m3     997.90  Water specific heat.........   0.992
 Vapor press. x factor.....--      0.996  Ka salt x factor.........--     0.996
 Water loading........T/hr.m2      11.03  Actual fan power.........Kw     7.12
 Gas/Liquid G/L............--      0.968  Liquid/Gas L/G...........--     1.033
 Exit wet bulb (CTI).......C      30.62  Exit wet bulb exact HB....C    30.79
 Absolute humidity inlet...--0.020944  Absolute humidity exit...--0.028039
 Evaporation...............%      0.68  Min. reconmended plenum ..m     0.63

<any key> for more ...
```

Cooling Technology Institute

Fan Power Data Sheet - SI

Location	Sector-24, Faridabad	File No.	IP250118
Barometric Pressure	28.740	TAN #	T154A-174-25I
KW Instrument	Fluke 39	Date	6/17/2025
Tower Model	SFCT-SQ-11	Time	4:25 PM

Fan ID	Volt (1)	Volt (2)	Amp (1)	Amp (2)	kW (1)	kW (2)	kW In Total	Motor Eff.	kW Out
Fan	398	396	17.9	19.1	3.8	5.6	9.40	0.830	7.80
Averages	397.0		18.50		Average:	9.40		Sum:	7.80

Motor Nameplate Data

Frame:	Voltage:	Manufacturer:
RPM:	Amps:	Nominal Efficiency: 0.830
kW:	SF:	Power Factor:

Line Loss Calculation

Data:

Wire Length (meter)	40	Wire Size (mm^2)	2.5
Average Ampere	18.50	Motor Eff.	0.830

Results:

kW In - Total (avg.)	9.40	kW Out - Total (av	7.80
kW In (loss)	0.30	kW Out (loss)	0.25
kW In (net)	9.10	kW Out (net)	7.55

Si-Fan-O

Cooling Technology Institute

Water Flow Data Sheet

FILE NO. IP250118 DATE: 06/17/25

TAN# T154A-174-25I

PITOT STYLE:	Elliptical	PIPE IDENTITY:	
		NOMINAL PIPE DIAMETER (mm):	152.4
SERIAL NUMBER:	18006	AVERAGE PIPE AREA (m^2):	0.01824
DATE CALIBRATED:	February-2024	PITOT FLUID TYPE:	Water
PITOT COEFFICIENT:	0.7611	FLUID TEMPERATURE (°C):	34.0

		TAP:	0	TAP:	0
		TIME:	15:30	TIME:	16:15
		DIAMETER (mm):	152 2/5	DIAMETER (mm):	152 2/5
STATION NUMBER	RELATIVE LOCATION	LOCATION (mm)	DEFLECTION d (mm)	LOCATION (mm)	DEFLECTION d (mm)
1	0.0257	3.9	407.9	3.9	407.9
2	0.0817	12.4	435.0	12.4	435.0
3	0.1464	22.3	503.0	22.3	503.0
4	0.2261	34.5	516.6	34.5	516.6
5	0.3419	52.1	543.8	52.1	543.8
CP	0.5000	76.2	571.0	76.2	571.0
6	0.6581	100.3	546.5	100.3	546.5
7	0.7739	117.9	530.2	117.9	530.2
8	0.8536	130.1	524.8	130.1	524.8
9	0.9183	140.0	511.2	140.0	511.2
10	0.9743	148.5	486.7	148.5	486.7
		Diam 1 $\sum\sqrt{d}$	223.51	Diam 2 $\sum\sqrt{d}$	223.51
		Diam 1 Avg $\sqrt{d}$	22.351	Diam 2 Avg $\sqrt{d}$	22.351
			Pipe Average $\sqrt{d}$	22.3512	

FLOW, m^3/hr = 156.5

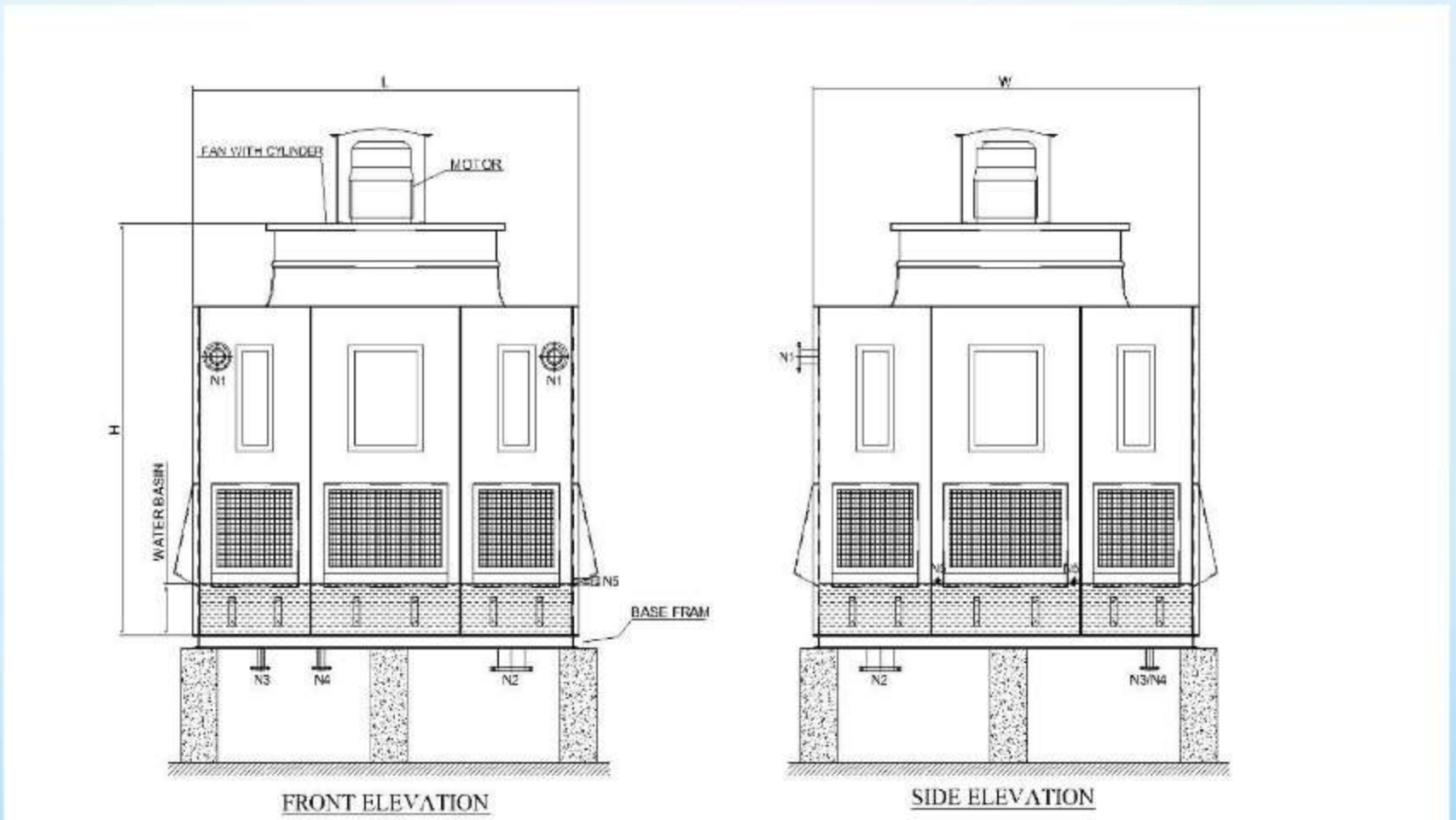
FLOW, lpm = 2,607.6

SI-Flow

Technical Description

SFCT-SQ– Construction & Design

- **Casing & Structure** FRP panels with smooth finish, wind resistant up to 60 m/sec, GI or pultruded FRP frame option with High corrosion resistance, fire retard and durability.
- **Inlet Louvers** FRP louvers, sloped to minimise water loss, ensure uniform airflow
- **Cold Water Basin** FRP integrated basin with outlet, overflow, quick-fill and drain connections
- **Fills**: Honeycomb PVC design for maximum heat transfer, minimal pressure drop, energy efficiency and resistant to bio hazardous
- **Drift Eliminators** PVC high efficiency drift pack design, drift loss ≤0.001% of design water flow
- **Hot Water Distribution System**: PVC headers in branch-arm systems with PP splash caps for uniform distribution
- **Fans** Aerofoil axial type, Statically and Dynamically balanced, low noise, aluminium alloy blades (FRP optional), adjustable pitch
- **Motors** TEAO, IP-55, Class F insulation, IE2/IE3/IE4/IE5 efficiency, weatherproof
- **Fan Cylinder** FRP moulded, large entry area, smooth approach for efficiency, reduced operating cost.



SUPERFLOW CTI CERTIFIED INDUCED DRAUGHT COUNTER FLOW COOLING TOWER

TECHNICAL SPECIFICATIONS OF COOLING TOWER at HWT 37 °C - CWT 32°C - WBT 28°C

MODEL	FLOW RATE (In LPM)	DIMENSIONS LWH (In mm)	FAN DIAMETER (In mm)	MOTOR H.P.	RPM	OPERATING WEIGHT	AIR QUANTITY (CFM)	INLET SIZE (NB)	OUTLET SIZE (NB)	QUICKFILL, MAKE-UP	DRAIN SIZE (NB)	OVERFLOW SIZE
SFCT-SQ-08	1283	2450X2450X3050	1500	5	960	3240	37100	100X2	200	25	50	50
SFCT-SQ-09	1630	2750X2750X3250	1500	7.5	960	3850	45200	100X2	200	25	50	50
SFCT-SQ-11	2126	3050X3050X3250	1800	10	960	4550	60500	100X2	200	25	50	50
SFCT-SQ-13	3210	3660X3660X3300	1500 X 02	7.5 X 02	960	6580	42300 per Fan X 2	125X2	150X2	25	50	50
SFCT-SQ-15	4216	4250X4250X3300	1800 X 02	7.5 X 02	960	8825	52700 per Fan X 2	150x2	200x2	25	80	80
SFCT-SQ-16	5415	5450X5450X3300	1500 X 04	7.5 X 04	960	14650	42600 per Fan x 4	200X4	250X3	25/40	100	100
SFCT-SQ-18	6450	6100X6100X3300	1800 X 04	7.5 X 04	960	18200	53300 per Fan x 4	200X4	250X3	50	125	125

1 CONSIDERED TR = 3024 Kcal/Hr. or 12000 BTU/Hr.
Evoporation Loss = 0.80% of Flow rate

SUPERFLOW INDUCED DRAUGHT COUNTER FLOW COOLING TOWER FOR DG SETS

TECHNICAL SPECIFICATIONS OF COOLING TOWER at HWT 42 °C - CWT 32 °C - WBT 28 °C

SR. NO.	DG CAPACITY	EASTIMATED FLOW RATE LPM	DIMENSIONS (LWH) (MM)	AIR QUANTITY (CFM)	FAN DIA (MM)	MOTOR H.P.	RPM	OPERATING WEIGHT (KGs)	INLET SIZE (NB)	OUTLET SIZE (NB)	QUICKFILL, MAKE-UP SIZE (NB)	DRAIN SIZE (NB)	OVERFLOW SIZE (NB)
1	500 KVA	550	1800X1800X2700	21500	1500	3	960	1570	80	100	25	25	25
2	750 KVA	650	2100X2100X3000	28900	1500	5	960	2050	100	125	25	40	50
3	1010 KVA	950	2400X2400X3150	36200	1500	7.5	960	3250	80	150	25	50	50
4	1250 KVA	1350	2700X2700X3250	43000	1800	7.5	960	3850	80 X 02	150	25 X 02	50	50
5	1500 KVA	1550	3000X3000X3150	51500	1800	10	960	4650	100 X 02	200	25 X 02	50	50
6	1750 KVA	1800	3600X3000X3250	54000	1800	10	960	5850	100 X 02	125 X 02	25 X 02	50	50
7	2000 KVA	1950	3600X3600X3250	60800	2100	10	720	6850	125 X 02	150 X 02	25 X 02	50	50
8	2250 KVA	2150	4500X3000X3250	35600 x 2	1500 X 02	7.5 x 02	960	7050	125 X 02	150 X 02	25 X 25	50	50

Evoporation Loss = 1.56 % of Flow rate

SUPERFLOW INDUCED DRAUGHT COUNTER FLOW COOLING TOWER

TECHNICAL SPECIFICATIONS OF COOLING TOWER at HWT 97.5 °F - CWT 90°F - WBT 83°F

TONNAGE CAPACITY (TR)	MODEL	DIMENSIONS LWH (In mm)	FAN DIAMETER (In mm)	MOTOR H.P.	RPM	OPERATING WEIGHT (KGs.)	AIR QUANTITY (CFM)	INLET SIZE (NB)	OUTLET SIZE (NB)	QUICKFILL , MAKE-UP SIZE (NB)	DRAIN SIZE (NB)	OVERFLOW SIZE (NB)
5	SFCT-NC-05	600X600X1950	450	0.5	1440	210	3050	40	40	20	25	25
10	SFCT-NC-10	750X600X2050	450	1	1440	250	3390	40	40	20	25	25
15	SFCT-NC-15	750X750X2050	450	1	1440	325	3700	40	40	20	25	25
20	SFCT-NC-20	900X900X2050	600	1	1440	435	4640	40	40	20	25	25
25	SFCT-NC-25	1050X1050X2150	700	1.5	960	560	7395	50	50	20	25	25
30	SFCT-NC-30	1050X1050X2150	700	2	960	700	8115	50	50	20	25	25
40	SFCT-NC-40	1200X1200X2250	900	2	960	720	11250	80	80	20	25	25
50	SFCT-NC-50	1500X1500X2300	1200	2	960	1060	15700	80	80	20	25	25
60	SFCT-NC-60	1500X1500X2300	1200	3	960	1080	17900	80	80	20	25	25
70	SFCT-NC-70	1800X1800X2700	1350	3	960	1095	22100	80	100	20	25	25
80	SFCT-NC-80	1800X1800X2700	1350	5	960	1600	26000	80	100	20	25	25
100	SFCT-NC-100	2150x2150x2950	1500	5	960	2500	31600	100	150	25	80	50
125	SFCT-NC-125	2450X2150X2950	1500	7.5	960	2830	33200	100X2	200	25	50	50
150	SFCT-NC-150	2450X2450X3150	1500	7.5	960	3840	35850	100X2	200	25	50	50
175	SFCT-NC-175	2750X2750X3250	1800	7.5	960	4600	49000	100X2	200	25	50	50
200	SFCT-NC-200	3000X3000X3250	1800	10	720	4650	57100	100X2	200	25	50	50
225	SFCT-NC-225	3350x3000x3250	1800	10	720	5020	59100	125X2	150X2	25	50	50
250	SFCT-NC-250	3660x3000x3150	1800	10	720	5545	60600	125X2	150X2	25	50	50
275	SFCT-NC-275	3660x3350x3150	1200X02	5X02	960	6150	29800 X 02	125X2	150X2	25	50	50
300	SFCT-NC-300	3660X3660X3250	1500X02	7.5X02	960	6580	30900 X 02	125X2	150X2	25	50	50
325	SFCT-NC-325	3960x3660x3250	1500X02	7.5X02	960	7020	43860 X 02	125X2	150X2	25	50	50
350	SFCT-NC-350	3960X3960X3250	1800x02	7.5X02	960	7440	44750 X 02	125X2	150X2	25	50	50
375	SFCT-NC-375	3660X4550X3250	1800x02	10X02	720	8210	49950 X 02	125X2	150X2	25	50	50
400	SFCT-NC-400	4250X4250X3250	1800x02	10X02	720	8825	58000 X 02	150x2	200x2	25	80	80
425	SFCT-NC-425	4550X4250X3250	1800x02	10X02	720	9485	59210 X 02	150x2	200x2	25	80	80
450	SFCT-NC-450	4550X4550X3250	1800x02	10x02	720	10200	60400 X 02	150x2	200x2	25	80	80
475	SFCT-NC-475	4850X4550X3250	1800x02	10X02	720	10900	61500 X 02	150x2	200x2	25	80	80
500	SFCT-NC-500	5500x4550x3250	1800X02	10X02	720	12160	74100 X 02	150X4	250X3	25/40	100	100
550	SFCT-NC-550	5500x4850x3250	2100X02	10X02	720	12920	75600 X 02	150X4	250X3	25/40	100	100
600	SFCT-NC-600	6150x4550x3250	2100x02	10X02	720	13450	76500 X 02	150X4	250X3	25/40	100	100
650	SFCT-NC-650	6150x4550x3600	2100X02	10X02	720	14320	77800 X 02	200x4	250x3	50	100	100
700	SFCT-NC-700	6150x4850x3600	2400X02	12.5X02	585	15370	93400 X 02	200x4	250x3	50	125	125
750	SFCT-NC-750	6150x5250x3600	2400X02	12.5X02	585	16080	95000 X 02	200X4	250X3	50	125	125
800	SFCT-NC-800	6150x5550x3600	2400X02	12.5X02	585	16920	96200 X 02	200X4	250X3	50	125	125
850	SFCT-NC-850	6770x5550x3600	2400x02	12.5X02	585	17880	97700 X 02	200X4	250X3	50	125	125
900	SFCT-NC-900	7680x5250x3600	2400X02	12.5x02	585	18720	99650 X 02	200X4	250X3	50	125	125
950	SFCT-NC-950	7990x5250x3600	2700X02	15x02	475	19590	115400 X 02	250x4	200x4	50	125	125
1000	SFCT-NC-1000	7990x5550x3600	2700X02	15x02	475	20465	117300 X 02	250x4	200x4	50	125	125
1100	SFCT-NC-1100	8290x6160x3600	2700X02	20X02	475	21375	130400 X 02	250x4	200x4	50	125	125
1250	SFCT-NC-1250	8910x6160x3250	2700X02	20X02	475	22285	133200 X 02	250x4	200x4	50	125	125

1 CONSIDERED TR = 3024 Kcal/Hr. or 12000 BTU/Hr.

Evoporation Loss = 0.68% of Flow rate

CTI Certification Validation No. C154A-25R00
SFCT-SQ Series

Supplementary Products & Services :
Cooling Tower Spare Parts :


Aluminum Alloy / FRP Blade Fan


PVC Fills


Drift Eliminators


Internal Structures with MSHDG / Pultruded FRP Options


Nozzles


Flange Connections


Grear boxes and Motors

Annual Maintenance Contracts (AMC):

Ensure consistent performance and extend your Cooling Tower's lifespan with our comprehensive maintenance solutions.

Complete Hauling & Overhauling:

Expert refurbishment and repair services to restore your Cooling Tower to top operating condition.

Our Other Branch Office :

- **Delhi**
  Surya Prakash Dubey - 9350337623
  Rajeev Dubey - 9810337622
- **Chennai**
  Shubham Pandey - 9311933193
- **Raipur**
  Aman Bajpai - 9818113700
- **Kolkata**
  Subhash Singh - 9350337625
- **Ahmedabad**
  Anand Mishra - 9303887330