



Classik[®]
COOLING TOWERS

CCF SERIES

Square / Rectangular Cooling Towers



Classik[®]
Cooling Towers
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Cooling Tower Construction Outline : Standard CCF-SQS SERIES



Material of Construction

Model CCF-SQS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Fan Motor											380/415/440v, 50/60Hz. TE/TEFC Class 'B' Insulation 'F'																					
Fan Drive	Direct Drive										Belt Drive										Gear Driver											
Motor Frame	Hot Dip Galvanized Steel																															
Fan	Glass Reinforced Nylon					Alluminium Alloy										FRP (FIBER REINFORCED PLASTIC)							Aluminium Alloy									
Fan Guard	Not Fitted					Hot Dip Galvanized Steel / SS304**/SS316**																										
Casing	FRP																															
Spray Nozzle	P P (Poly Propylene) / ABS * / Nylon *																															
Drift Eliminator	PVC																															
Header Pipe	PVC / GI*																															
InFill	PVC Honey comb / ABS Honey comb																															
Fill Support Frame	Hot Dip Galvanized Steel / SS304** / SS316**																															
Tower Main Frame	Upto 05 not fitted, from 0.6 HDG HDG																															
Inlet louver	PVC mesh / FRP																															
Tower Support Leg	FRP					Hot Dip Galvanized Steel / SS304** / SS316**																										
Water Basin	FRP																															
Ladder	Not Fitted					Hot Dip Galvanized Steel / SS304** / SS316**																										
Drain	P P (Poly Propylene)																				Cl (Cast iron)											
Inlet / Outlet Flange	P P (Poly Propylene)										M.S. Flange																					
Over Flow	P P (Poly Propylene)										PVC pipe																					
Float Valve	PP Ball with Aluminium Stem										PP Ball with Brass Stem										SS Ball with SS Stem											

* - above 50° Temperature, ** - optional

SR.NO	MODEL NO.	DIMENSIONS (mm) L	W	H	INLET mm(in)	OUTLET mm(in)	OVER FLOW mm(in)	DRAIN mm(in)	FLOAT VALVE mm(in)	QUICK FILL mm(in)	PUMP HEAD m	Approx wt. Dry wt. (kg)	Approx wt. Operating Wt. (kg)
1	CCF-SQS-01	800	800	1550	50 (2")	50 (2")	20 (3/4")	20 (3/4")	20 (3/4")		1.5	65	200
2	CCF-SQS-02	800	800	1850	50 (2")	50 (2")	20 (3/4")	20 (3/4")	20 (3/4")		1.5	75	250
3	CCF-SQS-03	1100	1100	2060	50 (2")	50 (2")	20 (3/4")	20 (3/4")	20 (3/4")		1.7	90	450
4	CCF-SQS-04	1100	1100	2330	50 (2")	50 (2")	20 (3/4")	20 (3/4")	20 (3/4")		1.8	95	460
5	CCF-SQS-05	1100	1100	2330	50 (2")	50 (2")	20 (3/4")	20 (3/4")	20 (3/4")		2	95	460
6	CCF-SQS-06	1350	1350	2300	80 (3")	80 (3")	20 (3/4")	20 (3/4")	20 (3/4")		3.7	150	470
7	CCF-SQS-07	1550	1550	2500	80 (3")	80 (3")	25 (1")	25 (1")	20 (3/4")		3.7	250	650
8	CCF-SQS-08	1550	1550	2500	80 (3")	80 (3")	25 (1")	25 (1")	20 (3/4")		3.7	255	700
9	CCF-SQS-09	1800	1800	2820	100 (4")	100 (4")	32(1 1/4")	32(1 1/4")	20 (3/4")		3.8	310	1100
10	CCF-SQS-10	1800	1800	2820	100 (4")	100 (4")	32(1 1/4")	32(1 1/4")	20 (3/4")		3.8	325	1150
11	CCF-SQS-11	2150	2150	2820	125(5")	125(5")	40 (1 1/2")	32(1 1/4")	25 (1")		3.9	650	1600
12	CCF-SQS-12	2150	2150	2820	125(5")	125(5")	40 (1 1/2")	32(1 1/4")	25 (1")	25 (1")	3.9	650	1600
13	CCF-SQS-13	2450	2450	3650	125(5")	125(5")	40 (1 1/2")	40 (1 1/2")	25 (1")	25 (1")	4	1050	2300
14	CCF-SQS-14	2450	2450	3650	125(5")	125(5")	40 (1 1/2")	40 (1 1/2")	32 (1 1/4")	32 (1 1/4")	4.4	1450	2400
15	CCF-SQS-15	2750	2750	3650	150(6")	150(6")	40 (1 1/2")	40 (1 1/2")	32 (1 1/4")	32 (1 1/4")	4.4	1550	3100
16	CCF-SQS-16	3150	3150	3750	200(8")	200(8")	40 (1 1/2")	40 (1 1/2")	32 (1 1/4")	32 (1 1/4")	4.6	1600	3400
17	CCF-SQS-17	3150	3150	3750	200(8")	200(8")	40 (1 1/2")	40 (1 1/2")	32 (1 1/4")	32 (1 1/4")	4.6	1600	3400
18	CCF-SQS-18	3400	3400	3750	200(8")	200(8")	50 (2")	50 (2")	32 (1 1/4")	32 (1 1/4")	4.6	1950	4200
19	CCF-SQS-19	3400	3400	3750	200(8")	200(8")	50 (2")	50 (2")	32 (1 1/4")	32 (1 1/4")	4.6	1950	4200
20	CCF-SQS-20	3600	3600	3900	200(8")	200(8")	50 (2")	50 (2")	32 (1 1/4")	32 (1 1/4")	4.8	2400	5200
21	CCF-SQS-21	4000	4000	4500	200(8")	200(8")	80 (3")	50 (2")	32 (1 1/4")	32 (1 1/4")	5.2	2900	6750
22	CCF-SQS-22	4000	4000	4900	200(8")	200(8")	80 (3")	50 (2")	32 (1 1/4")	32 (1 1/4")	5.6	3000	6850
23	CCF-SQS-23	4500	4500	4900	250(10")	250(10")	100 (4")	50 (2")	40 (1 1/2")	50 (2")	5.6	3350	7200
24	CCF-SQS-24	5200	5200	4900	150(6")X2	300(12")	100 (4")	100 (4")	40 (1 1/2")	50 (2")	5.6	4400	9450
25	CCF-SQS-25	5200	5200	4900	150(6")X2	300(12")	100 (4")	100 (4")	25 (1")x2	50 (2")	5.2	4600	9600
26	CCF-SQS-26	5750	5750	5320	200(8")X2	300(12")	100 (4")	100 (4")	25 (1")x2	50 (2")	5.3	5000	10500
27	CCF-SQS-27	5750	5750	5320	200(8")X2	300(12")	100 (4")	100 (4")	25 (1")x2	50 (2")	5.3	5000	10500
28	CCF-SQS-28	6000	6000	5550	200(8")X2	300(12")	100 (4")	100 (4")	25 (1")x2	50 (2")	5.4	5500	12100
29	CCF-SQS-29	6000	6000	5850	200(8")X2	200(8")X2	100 (4")	100 (4")	25 (1")x2	50 (2")	5.4	5750	12500
30	CCF-SQS-30	6800	6800	5850	250(10")X2	250(10")X2	100 (4")	100 (4")	25 (1")x3	50 (2")	5.6	6800	15400
31	CCF-SQS-31	7100	7100	6100	250(10")X2	250(10")X2	100 (4")	100 (4")	25 (1")x3	65 (2 1/2")	6	7200	16100
32	CCF-SQS-32	7800	7800	6300	250(10")X2	250(10")X2	100 (4")	100 (4")	25 (1")x3	65 (2 1/2")	6.5	8800	20100

International standard design for cooling tower:

- Water inlet temperature 37°C & Water outlet temperature 32°C.
- Wet-bulb temperature 28°C & Dry-bulb temperature 31.5°C.
- Atmospheric pressure 9.94×10^4 Pa & Lpm = 11/TR.



18-Back to Back Cells

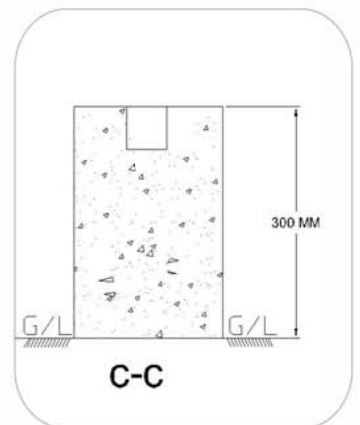
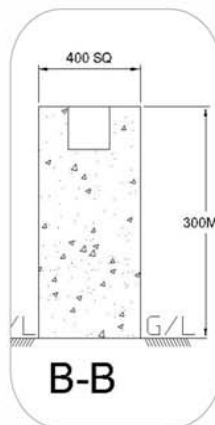
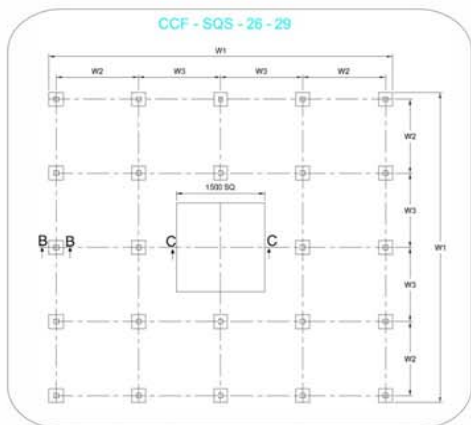
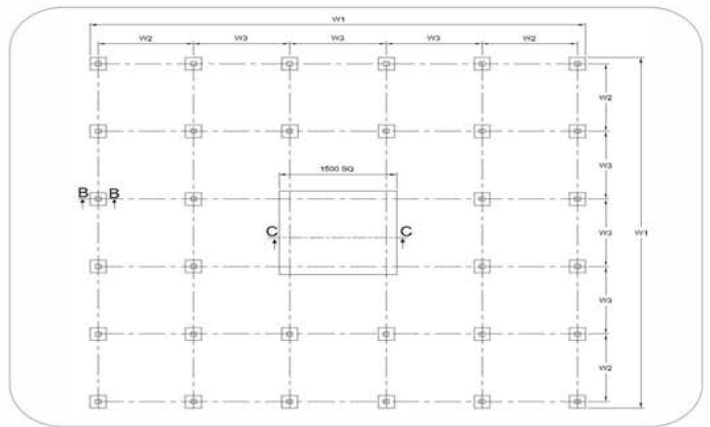
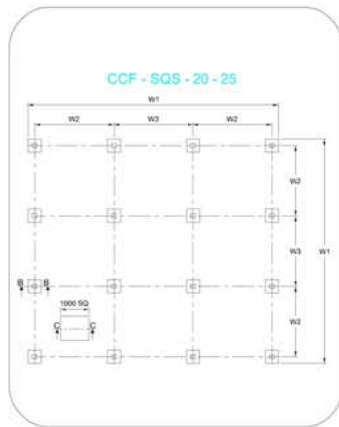
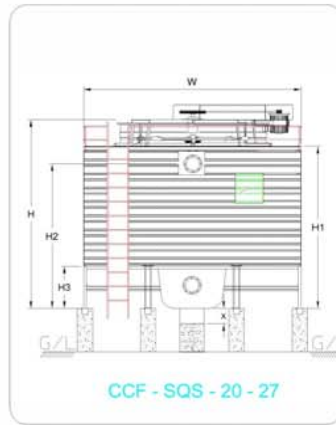
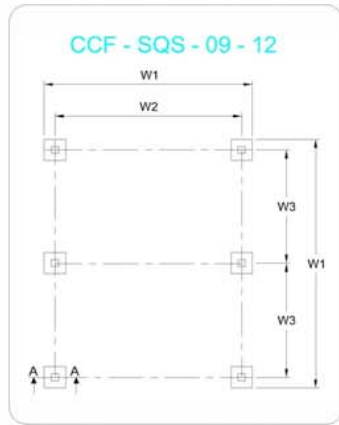
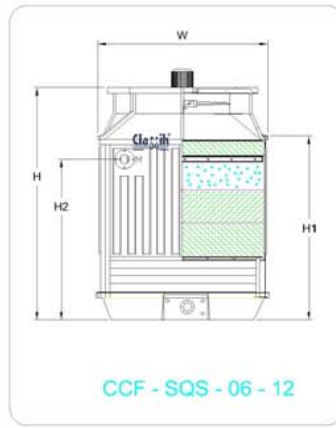
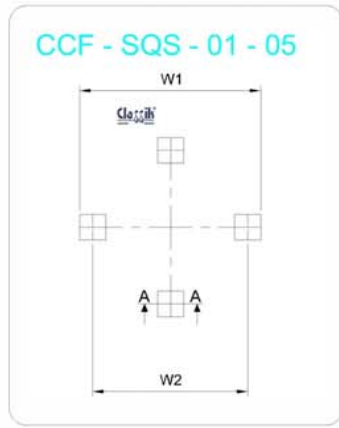


Water Distribution System



Towers at Site

Foundation Diagram



Model No.	W	H	H1	H2	H3	W1	W2	W3
CCF-SQS-01	800	1550		1060		970	720	
CCF-SQS-02	800	1850		1260		970	720	
CCF-SQS-03	1100	2060		1320		1150	900	
CCF-SQS-04	1100	2330		1580		1150	900	
CCF-SQS-05	1100	2330		1580		1150	900	
CCF-SQS-06	1350	2300	1950	1800		1250	1000	
CCF-SQS-07	1550	2500	1950	1800		1350	1100	
CCF-SQS-08	1550	2500	1950	1800		1350	1100	
CCF-SQS-09	1800	2820	1950	1810		1490	1240	1450
CCF-SQS-10	1800	2820	1950	1810		1490	1240	1450
CCF-SQS-11	2150	2820	1910	1810		2050	1800	1700
CCF-SQS-12	2150	2820	1910	1810		2050	1800	1700
CCF-SQS-13	2450	3650	2900	2500	630	2800	1200	
CCF-SQS-14	2450	3650	2900	2500	630	2800	1200	
CCF-SQS-15	2750	3650	2900	2500	630	3110	1355	
CCF-SQS-16	3150	3750	3000	2600	630	3400	1550	
CCF-SQS-17	3150	3750	3000	2600	630	3400	1550	
CCF-SQS-18	3400	3750	3000	2600	630	3800	1700	
CCF-SQS-19	3400	3750	3000	2600	630	3800	1700	
CCF-SQS-20	3600	3900	3200	2750	750	4000	1180	1200
CCF-SQS-21	4000	4500	3750	3250	750	4400	1313	1333
CCF-SQS-22	4000	4900	3900	3400	900	4400	1313	1333
CCF-SQS-23	4500	4900	3900	3400	900	4900	1480	1500
CCF-SQS-24	5200	4900	3900	3400	900	5600	1713	1733
CCF-SQS-25	5200	4900	3900	3400	900	5600	1713	1733
CCF-SQS-26	5750	5320	4200	3550	900	6150	1418	1438
CCF-SQS-27	5750	5320	4200	3550	900	6150	1418	1438
CCF-SQS-28	6000	5550	4400	3550	900	6400	1480	1500
CCF-SQS-29	6000	5850	4600	4000	900	6400	1480	1500
CCF-SQS-30	6800	5850	4600	3750	900	7200	1340	1360
CCF-SQS-31	7100	6100	4600	4000	900	7500	1400	1420
CCF-SQS-32	7800	6300	4800	4200	900	8200	1540	1560

Overseas Projects



Oil Refinery - Saudi Arabia - 3600 TR



The Kingsbury Hotel - Colombo



Calvari Church - Colombo



Oil Refinery - Riyadh



Plastic - Abudhabi



Industrial Gas - Bahrain



ShowRoom - Trivendram



Melting Furnace - Dindigal



Induction Furnace - CBR



Sava Ltd., - Bengaluru



Steel Melting - 8Ton

Nozzles Testing



Energy Efficient Fan



Ensures maximum air volume at minimum power consumption
(0.025 Kw / M³ / Hr)

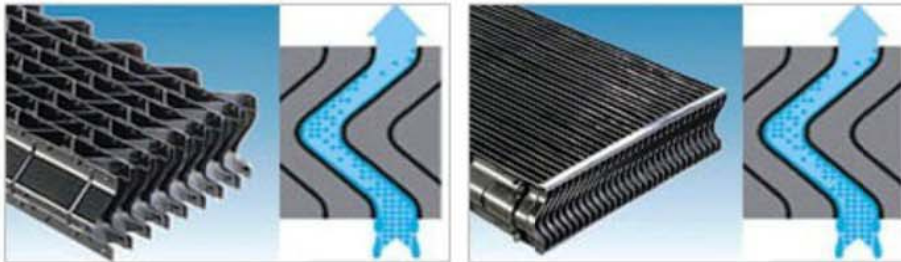
FRP Fan starts from model CCF - SQS - 18, Keeps neighbor friendly

Splash Mat



Reduces noise level / water spillage (0.00001 %)

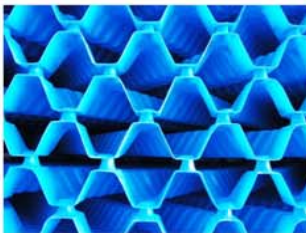
S Type Drift Eliminators



Eliminates drift and maintain drift loss as 0.001 %



PVC Infill



Reduces Installation time / Less use of PVC paste



Save on Fright Charges Upto 30 %



Uniform water spray thanks to honeycomb shape

Ex-Stock Delivery



: shipment made days not month



Water Distribution Systems



Ex-stock Piping and easy installation cum less maintenance



water outlet strainer ensures clean water entering the process and keep operators cool and relax

CLASSIK COOLING TOWERS' HIGHLIGHTS

- Classik Cooling Towers is Leading global provider of Cooling Towers for all industries
- Our cooling towers and services are dedicated to assisting customers in optimizing the performance of their processes
- Over 20,000 cooling tower units have been installed across the globe, including the USA, Europe, Africa, Middle East Countries & Far East Countries.
- The Classik Cooling towers has made a substantial investment in R&D to ensure its products meet the extensive demands of the cooling tower industry.
- This has resulted in the production of a world-class range of Classing Towers, offering innovative, high performance and reliable solutions at competitive prices.

CLASSIK COOLING TOWERS' RANGE OF PRODUCTS



CXF- SERIES
CROSSFLOW
COOLING TOWERS



CXF - SERIES
TIMBER
COOLING TOWERS



CDT - SERIES
DRY
COOLING TOWERS



ECT - SERIES
EVAPORATIVE
COOLING TOWERS



NDCT - SERIES
NATURAL DRAFT
COOLING TOWERS



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