



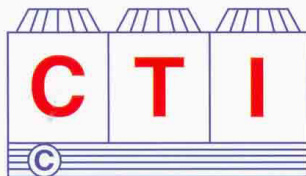
COOLING TOWER

**FOR INDUSTRIES,
BUILDINGS AND
PROCESS APPLICATIONS**

Product Features

- Energy Saver
- Low Noise Level
- Low Drift Loss
- Quakeproof Design
- Guaranteed Thermal Performance

**SPC SERIES
COUNTER FLOW
ROUND TYPE**



MEMBER



**COOLING TOWER
INSTITUTE**

SPACCO COOLING TOWER INDUSTRY CO.,LTD

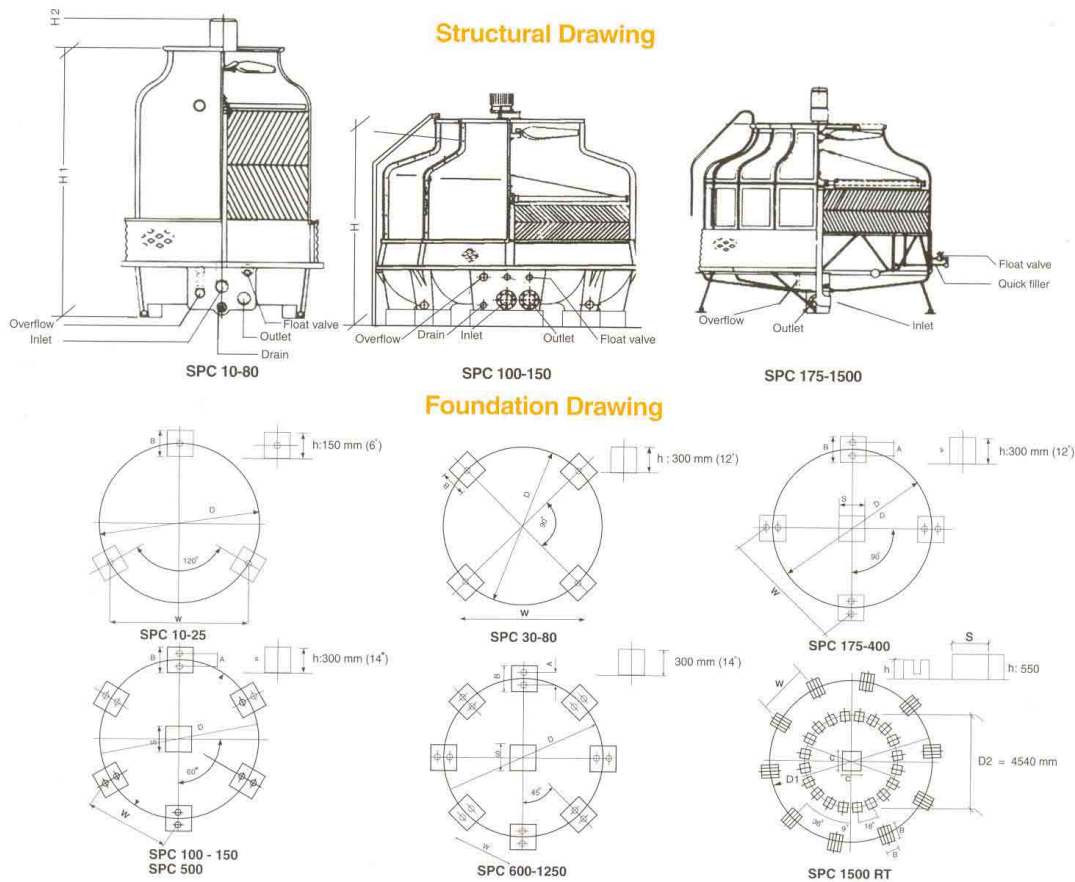
Specification For Standard Series

MODEL	NOMINAL FLOW L/min (U.S.GPM)	MAIN DIMENSIONS mm (inch)		PIPE CONNECTIONS mm (inch)						MOTOR DATA kw (HP)	FAN DATA		SPRINKLER RPM	WEIGHT kg (lb)		SOUND LEVEL dBA	FOUNDATION DIMENSIONS mm							PUMP HEAD M
		HI	DI	OUT LET	INLET	OVER FLOW	DRAIN	FLOAT VALVE	QUICK FILL		DIA mm (inch)	AIR FLOW m³/min (CFM)		DRY	WET		D1	W	A	S	B	h	h'	
SPC 10	130 (34.3)	1676 (66)	908 (35 3/4)	40 (1 1/2)	40 (1 1/2)	25 (1)	25 (1)	15 (1/2)		0.2 (0.25)	500 (19 3/4)	85 (3000)	7-12	49 (108)	167 (368)	47	584	508			250			1.5
SPC 15	195 (51.5)	1473 (58)	1207 (47 1/4)	50 (2)	50 (2)	25 (1)	25 (1)	15 (1/2)		0.37 (0.5)	600 (23 3/4)	140 (4900)	7-12	61 (135)	284 (626)	47	876	756			250			1.7
SPC 20	260 (68.7)	1753 (69)	1207 (47 1/4)	50 (2)	50 (2)	25 (1)	25 (1)	15 (1/2)		0.37 (0.5)	605 (23 3/4)	140 (4900)	7-12	74 (163)	297 (655)	48	876	756			250			1.7
SPC 25	325 (85.6)	1860 (74 1/2)	1207 (47 1/4)	65 (2 1/2)	65 (2 1/2)	25 (1)	25 (1)	15 (1/2)		0.55 (3/4)	755 (30 1/2)	185 (6800)	7-12	95 (209)	320 (704)	52	876	756			250			1.8
SPC 30	390 (103)	1778 (70)	1676 (66)	80 (3)	80 (3)	25 (1)	25 (1)	15 (1/2)		0.75 (1)	900 (35 1/2)	230 (8100)	7-12	131 (289)	389 (858)	58	1270	908			300			1.8
SPC 40	520 (137)	1930 (76)	166 (66)	80 (3)	80 (3)	25 (1)	25 (1)	15 (1/2)		0.75 (1)	900 (35 1/2)	280 (9900)	5-8	160 (353)	418 (922)	59	1270	908			300			2.0
SPC 50	650 (172)	1956 (77)	1911 (75 1/4)	80 (3)	80 (3)	25 (1)	25 (1)	20 (3/4)		1.1 (1 1/2)	900 (35 1/2)	330 (11700)	5-8	185 (408)	682 (1504)	59	1542	1090			300			2.0
SPC 60	780 (206)	2016 (72 1/2)	1911 (75 1/4)	83 (3)	80 (3)	25 (1)	25 (1)	20 (3/4)		1.1 (1 1/2)	900 (35 1/2)	420 (14700)	5-8	215 (475)	700 (1550)	59	1542	1090			300			2.0
SPC 70	780 (206)	2134 (84)	2096 (82 1/2)	100 (4)	100 (4)	25 (1)	25 (1)	20 (3/4)		1.5 (2)	1195 (47)	420 (14700)	5-8	233 (514)	986 (2174)	56	1609	1136			300			2.0
SPC 80	1040 (275)	2286 (90)	2096 (82 1/2)	100 (4)	100 (4)	25 (1)	25 (1)	20 (3/4)		1.5 (2)	1195 (47)	450 (15900)	5-7	260 (573)	1013 (2233)	58	1609	1136			300			2.0
SPC 100	1300 (343)	2070 (81 1/2)	2650 (104 3/4)	100 (4)	100 (4)	50 (2)	25 (1)	20 (3/4)	25 (1)	1.5 (2)	1470 (58)	700 (24700)	5-8	408 (897)	1360 (3000)	58.5	2350	1175		400	300	300	350	2.5
SPC 125	1625 (429)	2210 (87)	2950 (116 1/4)	125 (5)	125 (5)	50 (2)	25 (1)	20 (3/4)	25 (1)	1.5 (2)	1470 (58)	830 (29300)	5-8	455 (1001)	1368 (3060)	61	2620	1310		400	300	300	350	2.5
SPC 150	1950 (515)	2310 (105)	2950 (116 1/4)	150 (6)	150 (6)	50 (2)	25 (1)	25 (1)	25 (1)	2.25 (3)	1470 (58)	950 (33500)	5-8	650 (1430)	1890 (4170)	61.5	2620	1310		400	300	300	350	3.0
SPC 175	2275 (601)	2565 (101)	3340 (131 1/2)	150 (6)	150 (6)	50 (2)	40 (1 1/2)	25 (1)	25 (1)	4 (5)	1805 (71)	1150 (40600)	5-7	1112 (2450)	1900 (4190)	62	3200	2261 (89)	100 (4)	500	300 (12)	300	350	3.2
SPC 200	2600 (687)	2718 (107)	3340 (131 1/2)	150 (6)	150 (6)	50 (2)	40 (1 1/2)	25 (1)	25 (1)	4 (5)	1805 (71)	1250 (44100)	5-7	1280 (2820)	2280 (5030)	62	3200	2261 (89)	100 (4)	500	300 (12)	300	350	3.2
SPC 225	2925 (773)	2860 (110)	3340 (131 1/2)	150 (6)	150 (6)	50 (2)	40 (1 1/2)	25 (1)	25 (1)	4 (5)	1805 (71)	1474 (52100)	5-7	1750 (3860)	3450 (7610)	62.5	3200	2261 (89)	100 (4)	500	300 (12)	300	350	3.6
SPC 250	3250 (859)	3080 (123)	3860 (154 3/4)	200 (8)	200 (8)	80 (3)	50 (2)	38 (1 1/2)	32 (1 1/4)	5.5 (7.5)	2426 (95 1/2)	1750 (61800)	5-6	1000 (2200)	3530 (7780)	63	3280	2320	100	600	300	300	300	3.6
SPC 300	3900 (1030)	3685 (145)	4400 (173 3/4)	200 (8)	200 (8)	80 (3)	50 (2)	38 (1 1/2)	32 (1 1/4)	8 (10)	2426 (95 1/2)	2200 (77700)	3.5-5	1255 (2783)	4060 (8950)	63	4318	3048	100	610	300	300	300	3.6
SPC 350	4550 (1202)	3683 (145)	4673 (187 1/2)	200 (8)	200 (8)	80 (3)	50 (2)	38 (1 1/2)	32 (1 1/4)	8 (10)	2426 (95 1/2)	2200 (77700)	3.5-5	1423 (3130)	4160 (9170)	64	4674	3302	100	610	300	300	300	3.6
SPC 400	5200 (1374)	4080 (163)	4673 (187 1/2)	200 (8)	200 (8)	80 (3)	50 (2)	38 (1 1/2)	32 (1 1/4)	12 (15)	2985 (117 1/2)	2600 (91800)	2.5-4	1755 (3861)	7230 (15940)	65.5	4674	3302	100	610	300	300	300	4.0
SPC 500	6500 (1717)	4153 (163 1/2)	5588 (220)	250 (10)	250 (10)	80 (3)	50 (3)	38 (1 1/2)	32 (2)	12 (15)	2985 (117 1/2)	2600 (91800)	2.5-4	2233 (4913)	7750 (17090)	66	5385	2692	100	610	300	300	350	4.0
SPC 600	7800 (2061)	4710 (185 1/2)	6600 (260)	250 (10)	250 (10)	80 (3)	50 (3)	38 (1 1/2)	32 (2)	15 (20)	3400 (134)	3750 (132400)	2.5-3.5	2808 (6177)	10300 (22710)	66.5	6500	2488	140	800	300	300	350	5.0
SPC 700	9100 (2404)	5110 (201)	6600 (260)	250 (10)	250 (10)	80 (3)	50 (3)	38 (1 1/2)	32 (2)	15 (20)	3400 (134)	3750 (132400)	2.5-3.5	3115 (6853)	10900 (24030)	67	6500	2488	140	800	300	300	350	5.0
SPC 800	10400 (2748)	5295 (208)	7600 (299 1/4)	300 (12)	300 (12)	110 (4)	110 (4)	50 (2)	50 (2)	18 (25)	3600 (141 1/4)	5000 (176600)	2.5-3.5	3732 (8210)	13900 (30710)	68	7500	2870	140	800	300	300	350	6.0
SPC 1000	13000 (3434)	5695 (224 1/4)	7600 (299 1/4)	300 (12)	300 (12)	110 (4)	110 (4)	50 (2)	50 (2)	22 (30)	3600 (141 1/4)	5400 (190700)	2.5-3.5	4378 (9631)	14800 (32630)	69	7500	2870	140	800	300	300	350	6.0
SPC 1250	16250 (4290)	5895 (232)	7600 (299 1/4)	300 (12)	300 (12)	110 (4)	110 (4)	50 (2)	50 (2)	30 (40)	4100 (156)	6500 (229500)	2.5-3.5	5128 (11282)	16000 (35275)	75	7500	2870	140	800	300	300	350	6.5
SPC 1500	19500 (5152)	6220 (244 1/4)	8430 (331 1/4)	350 (14)	350 (14)	110 (4)	110 (4)	50 (2)	50 (2)	40 (50)	4200 (168)	7500 (262500)	2.5-3.5	6019 (13242)	26500 (58406)	75	8300	2574	400	800	300	300	550	6.5

Nominal Flow Based On-Water in 37°C (98.6°F), Water Out 32°C (89.6°F), and ambient 27°C WB (80.6°F WB)

Normal cooling capacity is based on 13 l/min / RT (one RT = 3,900 kCal / h) at 37°C outlet water temperature and 27°C ambient wet bulb temperature, For motor of 5.5 kW and above, installation of stardelta starter is required.

Specifications listed in this catalogue are subject to change without further notice for technical improvement of our products.



Quick Selection Chart For Cooling Tower Quantity & Temperature

Unit : L / min

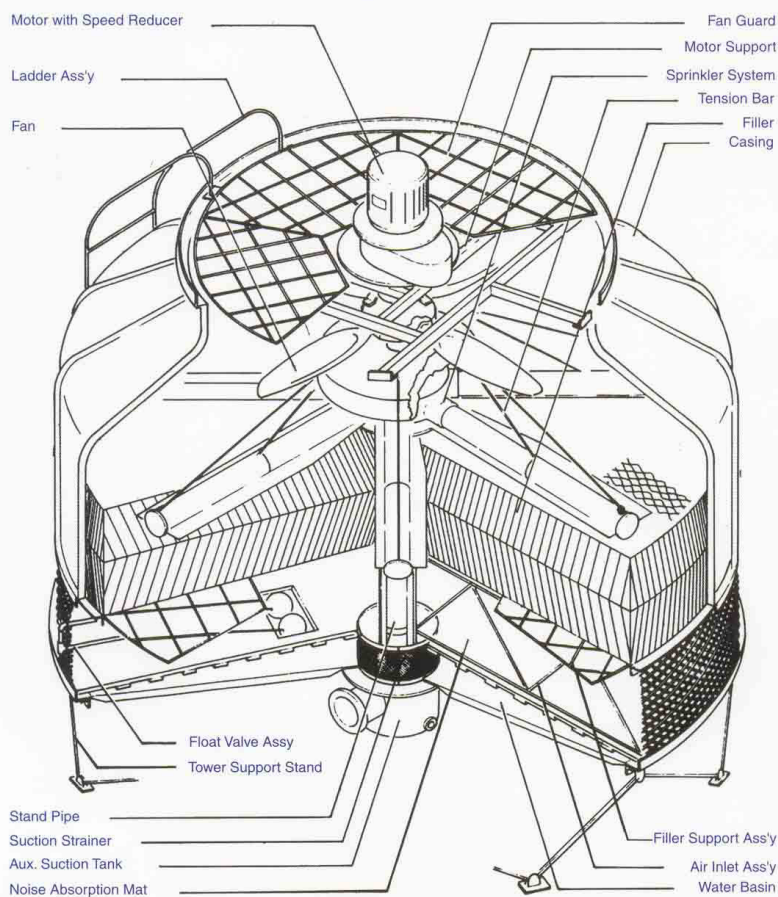
Ambient Wet Bulb Range (°C)		27°C										28°C										29°C										30°C										31°C									
		15°C		18°C		5°C		6°C		7°C		8°C		9°C		10°C		11°C		5°C		6°C		7°C		8°C		9°C		10°C		11°C		5°C		6°C		7°C		8°C		9°C		10°C		11°C					
Inlet		50	45	50	38	37	36	38	37	40	39	38	41	40	39	41	40	45	43	42	41	44	43	42	41	39	38	37	40	39	38	41	40	39	38	41	40	39	38	41	40	39	38	41	40	39					
Outlet		35	30	32	33	32	31	32	31	33	32	31	33	32	31	32	31	35	33	32	31	33	32	31	33	32	31	34	33	32	35	34	33	34	33	35	34	33	34	33	35	34	33	34	33	35	34				
Model																																																			
SPC 10		85	42	55	137	112	87	96	76	102	86	68	93	78	62	73	60	105	77	65	76	72	65	62	144	117	91	151	119	93	158	121	96																		
SPC 15		130	66	79	204	170	130	144	116	155	130	104	140	118	95	109	90	160	122	100	82	110	92	78	213	170	137	226	175	138	213	170	149																		
SPC 20		172	95	118	270	225	175	193	153	205	172	137	188	155	123	142	115	210	158	130	128	145	122	124	285	230	181	302	238	186	300	230	183																		
SPC 25		221	113	142	338	280	223	244	195	260	219	175	239	200	150	184	150	270	204	170	149	188	159	145	355	290	231	377	297	235	355	280	220																		
SPC 30		270	130	166	405	340	270	295	236	315	265	213	290	245	195	225	185	330	250	210	170	230	195	165	425	350	280	435	377	327	425	350	280	220																	
SPC 40		365	190	235	540	450	365	400	326	425	360	295	385	335	275	305	255	440	340	290	240	320	275	230	570	465	375	604	476	372	610	480	380																		
SPC 60		580	300	375	820	700	560	610	510	660	560	465	600	520	430	480	405	690	535	460	380	500	430	370	860	720	590	906	714	558	930	720	650																		
SPC 70		690	370	460	930	810	660	720	605	775	665	555	705	620	518	580	488	820	643	550	465	605	520	450	960	840	680	1057	833	651	970	835	690																		
SPC 80		800	440	545	1040	920	760	830	700	890	770	645	810	720	605	680	570	950	750	640	550	710	610	530	1040	960	780	1203	952	744	1040	940	770																		
SPC 100		970	505	630	1370	1150	935	1020	850	1100	930	770	1020	870	725	810	680	1150	890	760	640	840	750	620	1430	1200	975	1510	1190	930	1550	1300	1040																		
SPC 125		1200	630	775	1670	1420	1150	1250	1040	1360	1140	950	1240	1070	890	1000	830	1380	1110	940	790	1030	900	760	1740	1480	1200	1837	1487	1162	1830	1570	1300																		
SPC 150		1450	770	945	2000	1700	1380	1520	1260	1640	1390	1160	1500	1290	1070	1210	1010	1720	1340	1150	960	1250	1080	930	2100	1760	1450	2265	1785	1395	2200	1850	1570																		
SPC 175		1700	900	1110	2360	2020	1620	1790	1480	1930	1640	1360	1760	1520	1260	1430	1190	2020	1580	1350	1130	1450	1270	110	2480	2090	1720	2642	2082	1627	2650	2140	1860																		
SPC 200		1930	1020	1260	2650	2270	1830	2020	1670	2180	1850	1540	2000	1730	1440	1620	1340	2300	1790	1530	1280	1650	1450	1240	2800	2350	1930	3020	2380	1860	2900	2450	2060																		
SPC 225		2060	1060	1320	3000	2500	2030	2200	1800	2350	2000	1670	2180	1860	1540	1745	1450	2480	1900	1630	1370	1750	1550	1300	3150	2600	2130	3397	2677	2092	3300	2800	2330																		
SPC 250		2430	1280	1560	3400	2900	2320	2540	2100	2380	1930	2500	2150	1790	1790	2000	1690	2870	2200	1900	1600	2100	1800	1550	3600	2990	2450	3775	2975	2325	3920	3400	2610																		
SPC 300		2830	1450	1800	4000	3350	2730	2980	2450	3200	2700	2280	2950	2550	2080	2350	1950	3350	2600	2200	1850	2400	2100	1770	3150	3500	2880	4530	3670	2790	4400	3800	3020																		
SPC 350		3430	1810	2200	4700	4000	3250	3550	2950	3850	3250	2720	3550	3000	2540	2820	2360	4050	3150	2700	2250	2550	2950	2500	4900	4100	3400	6285	4165	3250	5200	4100	3610																		
SPC 400		4100	2200	2700	5650	4800	3900	4250	3550	4600	3900	3250	4200	3650	3060	3420	2850	4900	3800	3250	2750	3550	3050	2850	5900	5000	4100	6040	4760	3720	6400	5400	4500																		
SPC 500		5300	2850	3500	6750	5800	4800	5250	4400	5650	4850	4050	5250	4550	3850	4270	3640	6000	4750	4150	3450	4500	3950	3400	7050	6000	5000	7550	5950	4650	7550	6250	5250																		
SPC 600		5950	3100	3870	8100	6900	5650	6150	5100	6600	5700	4700	6150	5250	4400	4950	4170	7000	5450	4700	3950	5100	4450	3800	8550	7200	5850	9060	7140	5580	9150	7800	5950																		
SPC 700		7300	3900	4800	9400	8100	6600	7250	6100	7800	6700	5650	7250	6300	5250	5940	5000	8400	6550	5700	4800	6250	5400	4650	9850	8400	6950	10570	8330	6510	10450	8700	7550																		
SPC 800		7900	4200	5150	10800	9200	7500	8200	6750	8850	7500	6300	8150	7000	5850	6550	5500	9400	7300	6150	5250	6800	5900	5050	11300	9500	7800	12080	9520	7440	12100	9800	8250																		
SPC 1000		10750	5900	7250	13500	11600	9600	10600	8800	11350	9750	8250	10650	9200	7800	8700	7400	12100	9600	8400	7100	9150	8050	6900	14100	12000	10000	15100	11900	9300	15100	12500	10800																		
SPC 1250		13000	7000	8000	16500	14000	12600	13600	11500	14000	12500	11000	13650	12300	10500	11300	10200	15000	12600	11200	9300	12500	11400	9500	18000	15000	13000	18875	14875	11625	17100	15600	11900																		
SPC 1500		17500	8600	11400	22000	19500	17300	19500	18700	18800	14700	13800	16200	13800	11800	13100	11800	19200	14800	12600	9500	14400	13000	11200	19500	16300	14900	22650	17850	13950	14625	15900	14875																		

For other Temperature Conditions of Air and Water Please Contact **SPACCO COOLING TOWER INDUSTRY**

Standard Material

COMPONENTS	STANDARD SPC SERIES MODEL		
	SPC 10-80	SPC 100-225	SPC 250-1500
FAN	ALUMINIUM ALLOY	FIBREGLASS REINFORCED POLYESTER OR ALUMINIUM ALLOY	
MOTOR	200/380 V., 380/660 V., 50/60 Hz. (OTHERS VOLTAGE AVAILABLE)		
TYPE OF DRIVE	DIRECT		V-BELT OR GEAR SPEED REDUCER
CASING	FIBER GLASS REINFORCED (F.R.P.)		
ELIMINATOR	F.R.P.		
SPRINKLER HEAD	F.O.M.	SUS, COPPER ALLOY OR ALUMINIUM ALLOY	
FILLER	POLYVINYL CHLORIDE (P.V.C.)		
AIR INLET MESH	P.V.C. BAN-MESH / PE BAN-MESH		
FLOAT VALVE	SINGLE VALVE	TWIN VALVE	
SUCTION TANK	MILD STEEL OR GALVANIZED IRON PIPE (STAINLESS STEEL AVAILABLE)		F.R.P. OR MILD STEEL
TOWER SUPPORT STAND	GALVANIZED IRON PIPE (STAINLESS STEEL AVAILABLE)		
LADDER			

Construction Outline : Standard SPC Series (For Low Noise SPC/LN Including Noise Absorption Mat,Optional)



For Further Technical Information & detail Please Contact :
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