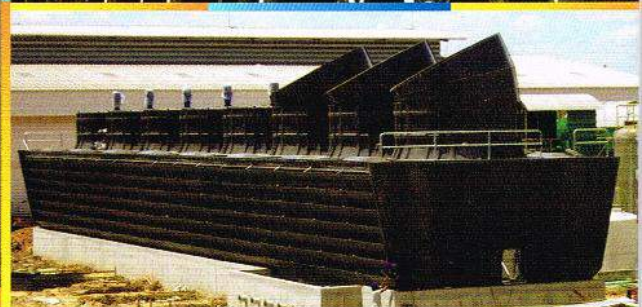
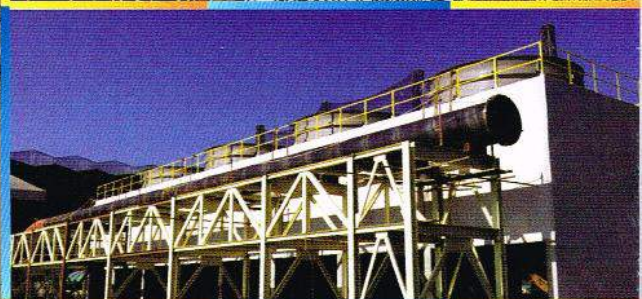
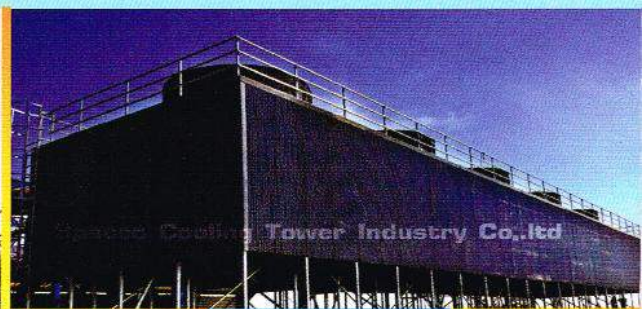




COOLING TOWER

SQUARE TYPE

**STA SERIES
CROSS FLOW
&
SCF SERIES
COUNTER FLOW**



Product Features

- Energy Saving
- Low Noise Level
- Low Drift Loss
- Quakeproof Design
- Guaranteed Thermal Performance
- Space Saver
- Compact Unit

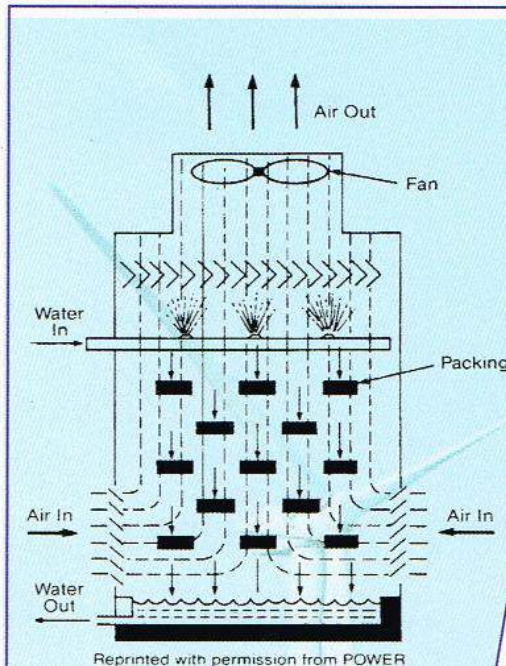
Spacco Cooling Tower Industry Co.,Ltd.

- Cooling Tower With New Design
- According to Client's Need
- Supply Cooling Tower for Both
- Counter Flow and Cross Flow
- Variety of material and part part for specific condition
- HDG/SUS/WOOD AND CONCRETE STRUCTURE

SPACCO COOLING TOWER INDUSTRY CO.,LTD.

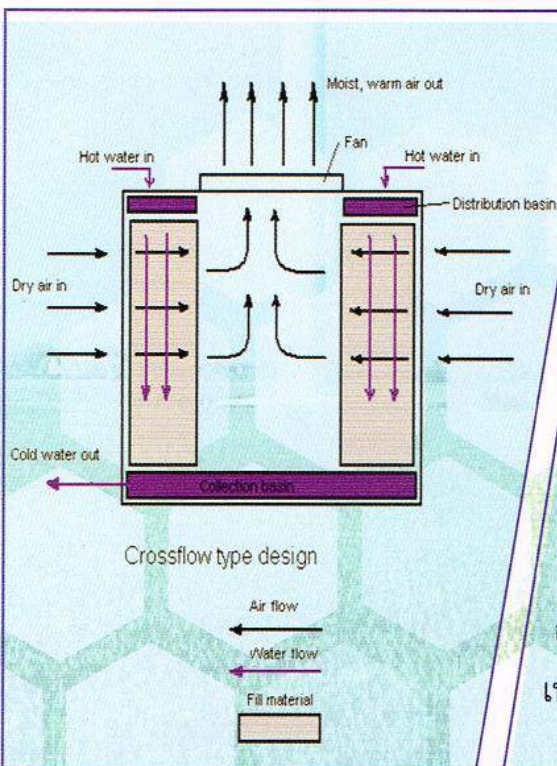
The Advantage of Counter Flow And Cross Flow

SCF MODEL (Counter Flow)



1. Counter Flow filler and water distribution system is sheltered and internal Cooling Tower panel. Thus the water is cleaner than Cross Flow system.
แผ่นรังผึ้งและระบบการกระจายน้ำปิดทึบอยู่ภายในตัวคูลลิ่งทาวเวอร์ จึงทำให้น้ำสะอาดกว่ารุ่น Cross Flow
2. No hot air recirculation from Cooling Tower
ไม่มีการไหลเวียนกลับของความร้อนที่ปล่อยออกมาจากตัวคูลลิ่งทาวเวอร์
3. Counter Flow maintenance cost is lower.
ค่าใช้จ่ายในการดูแลและบำรุงรักษาต่ำกว่า
4. Footing and Piping including Pump Head using less than Cross Flow System.
ปริมาณการพื้นฐานราก, งานท่อ และ แรงดันปั๊ม (pump head) ที่น้อยกว่า

STA MODEL (Cross Flow)

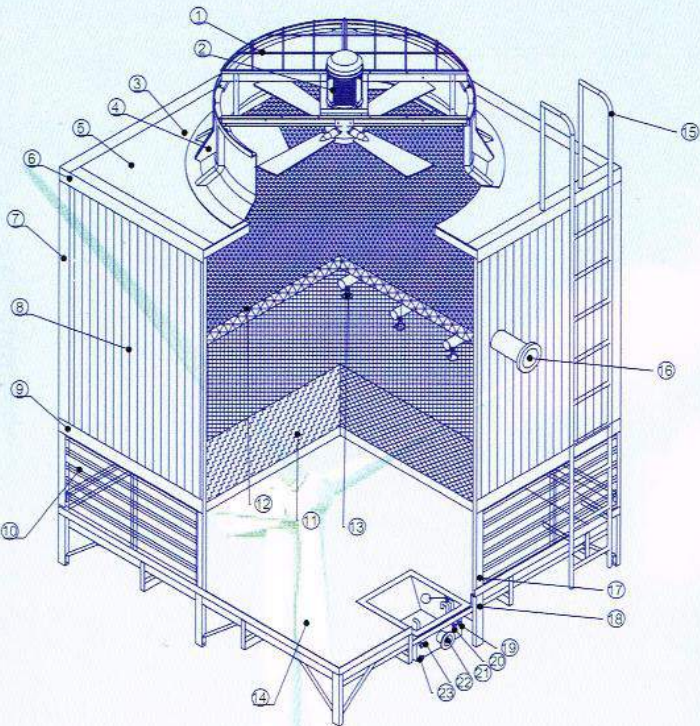


1. The noise from the water drop and Cooling Tower noise from Cross Flow is lower than Counter Flow.
ระดับเสียงของ Counter Flow มากกว่าไม่ว่าจะเป็นเสียงน้ำ หรือเสียงโดยรวม
2. Easy for installation because having less component.
ง่ายต่อการประกอบติดตั้ง
3. Lower Price if compare with Counter Flow.
ราคาต่ำกว่าถ้าเทียบกับรุ่น Counter Flow
4. Enable to access even in small sizing for services and maintenance
สามารถเข้าไปดูแลรักษาได้ง่ายกว่ารุ่น Counter Flow
เพราะมีช่องทางเดินไม่ว่าจะเป็นรุ่นที่มีขนาดเล็ก

Component Detail

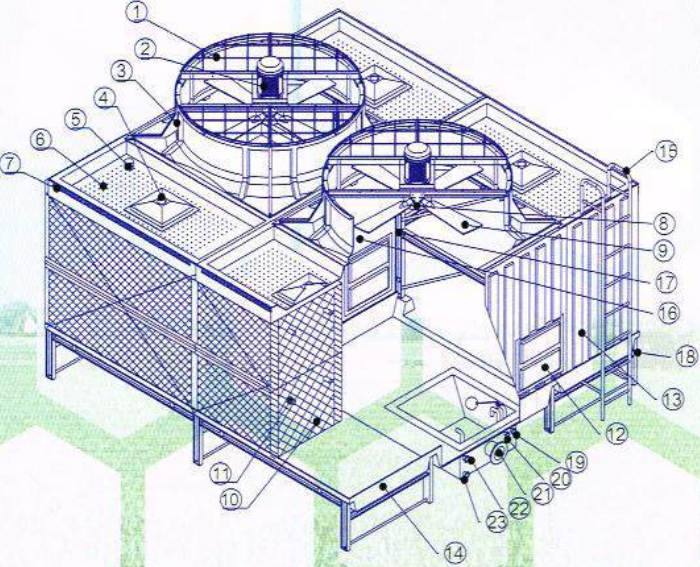
FRP Pultrusion, HDG and Wood Structure (Optional)

SCF COUNTER FLOW		No.	Description	FRP	HDG	PVC	Other
------------------	--	-----	-------------	-----	-----	-----	-------



		1	Fan Guard		✓		
		2	Motor				✓
		3	Fan Hub				✓
		4	Fan Stack	✓			
		5	Fan Deck	✓			
		6	Fan Blade	✓			✓
		7	Style Strip	✓			
		8	Casing	✓			
		9	Water Spatter Guard	✓			
		10	Louvers	✓		✓	
		11	Filler			✓	✓
		12	Drift Eliminators			✓	
		13	Spray Nozzle			✓	✓
		14	Cold Water Basin	✓			✓
		15	Lander	✓	✓		✓
		16	Hot Water Inlet Pipe		✓	✓	
		17	Framework	✓	✓		✓
		18	Basin Frame	✓	✓		✓
		19	Automatic make-up water				✓
		20	Make-up Water Inlet pipe		✓	✓	
		21	Cold Water outlet pipe		✓		
		22	Overflow		✓	✓	
		23	Drain		✓	✓	

STA CROSS FLOW		No.	Description	FRP	HDG	PVC	Other
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		1	Fan Guard		✓		
		2	Motor				✓
		3	Fan Stack	✓			
		4	Hot Water Inlet Port	✓			
		5	Hot Water Basin Overflow	✓			
		6	Hot Water Distribution Basin	✓			
		7	Style Strip	✓			
		8	Fan Hub				✓
		9	Fan Blade	✓			✓
		10	Filler			✓	✓
		11	Filler Support	✓	✓		
		12	Accessing door	✓			
		13	Casing	✓			
		14	Cold Water Basin	✓			
		15	Lander	✓	✓		✓
		16	Partition wall Dividing Cell	✓			
		17	Framework	✓	✓		✓
		18	Basin Frame	✓	✓		✓
		19	Automatic make-up water				✓
		20	Make-up Water Inlet pipe		✓	✓	
		21	Cold Water outlet pipe		✓		
		22	Overflow		✓	✓	
		23	Drain		✓	✓	

Selection Chart

● SUITABLE MODEL SELECTION CHART

Take the following operating conditions as an example :

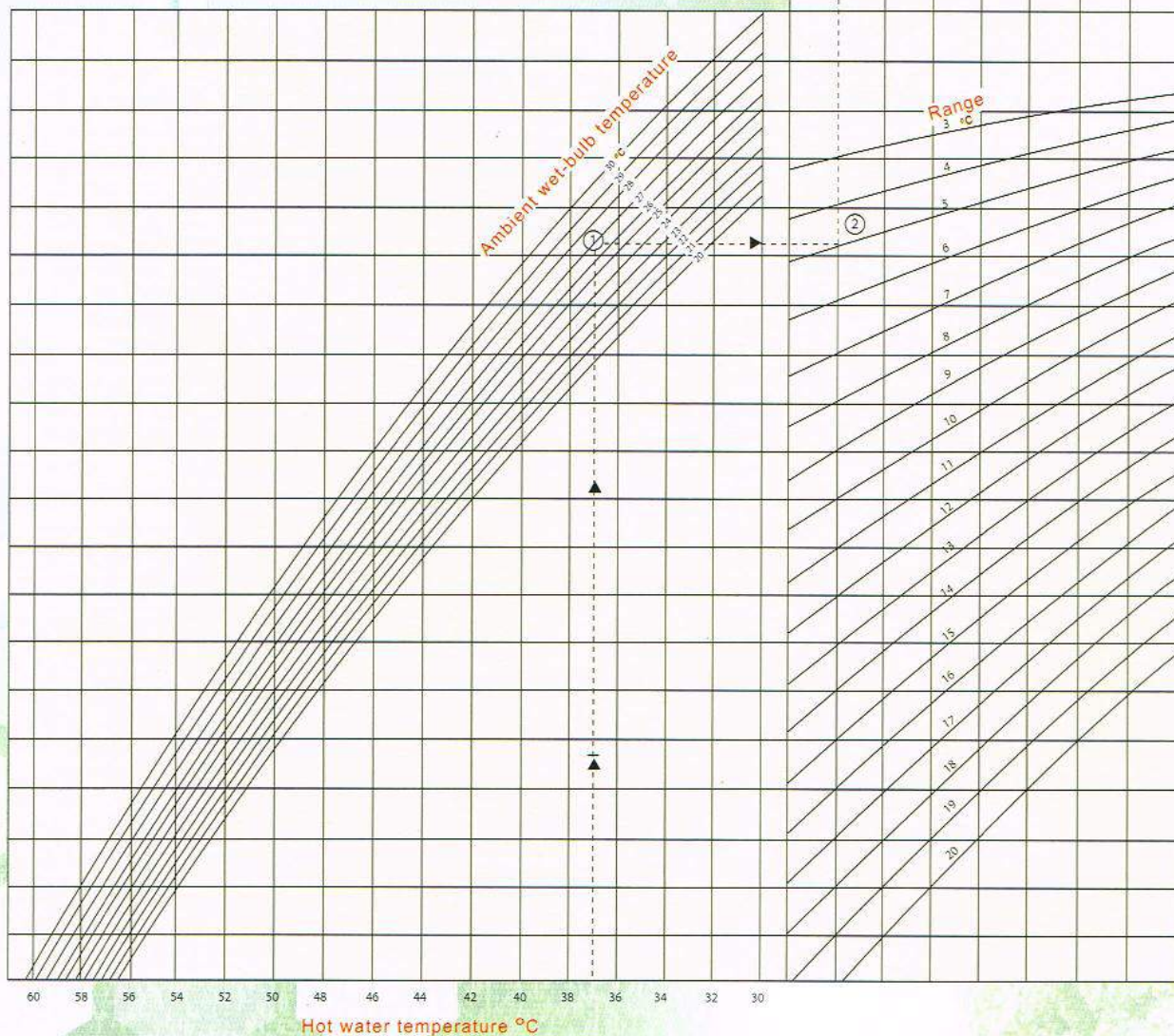
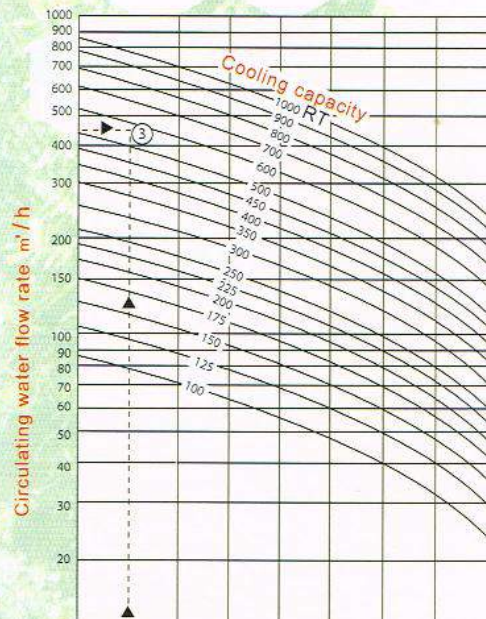
Hot water temperature :	37°C
Cold water temperature :	32°C
Range (hot-cold water temp. difference) :	5°C
Ambient wet-bulb temperature :	27°C
Circulating water flow rate :	450m ³ /h

How to read the chart

1. Trace up the Hot water temperature of 37°C vertically to find the intersecting point ① with the 27°C ambient wet-bulb temperature curve.
2. Shift the point ① to the right to find the intersection point ② with the 5°C range curve.
3. Then trace up again from the point ② to find the intersecting point ③ with the 450m³/h circulating water flow rate.
4. Now you notice the required cooling capacity of 560 tons; The suitable model in STA-600SUN or STA-600SUNI

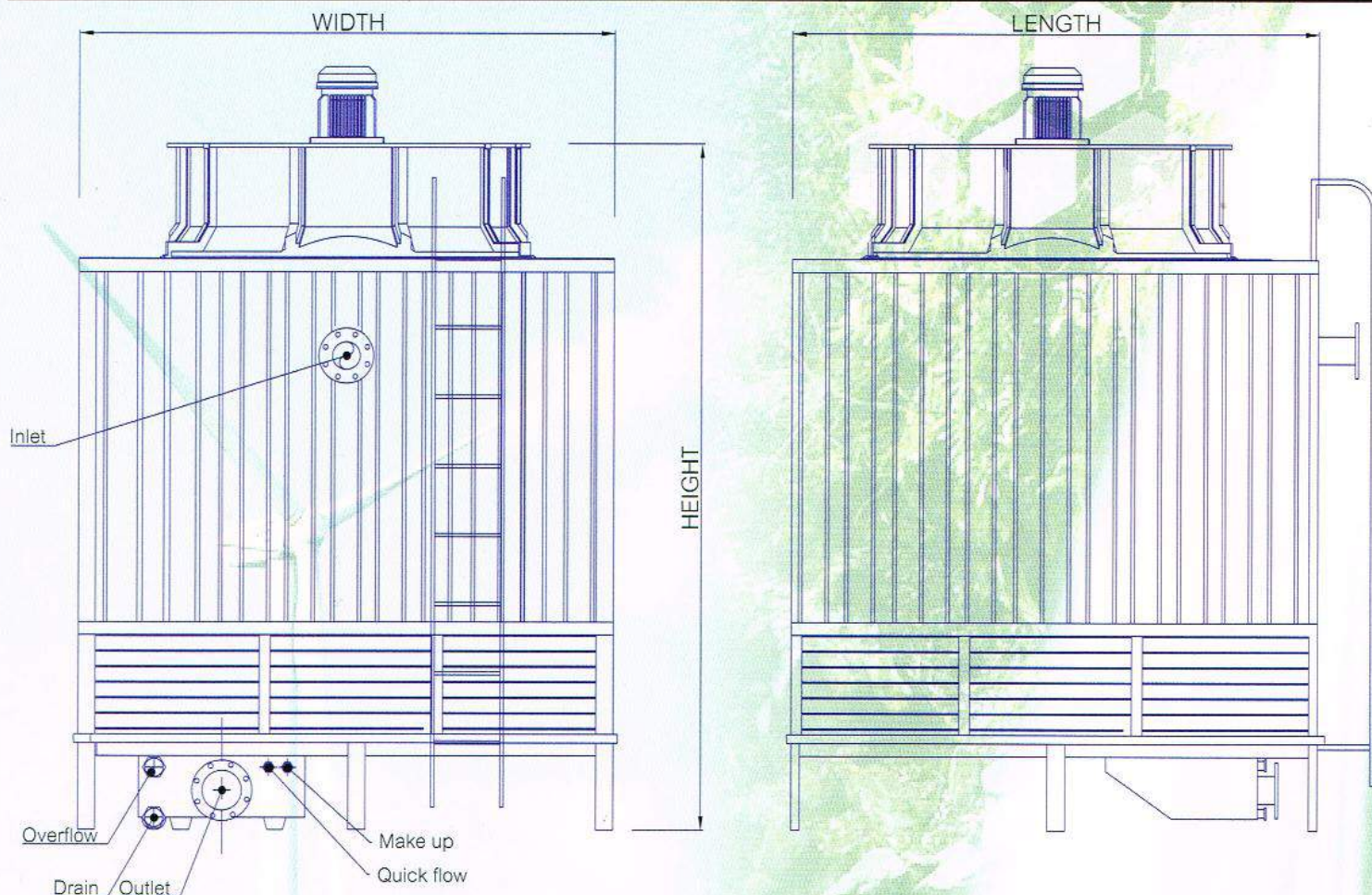
Remarks

1. For cooling tower hot water temperature exceeding 50°C, heat-resistant version should be used (delivered by special order).
2. If suitable model cannot be found from the chart, please inquire us.



Specification

SCF SERIES (SINGLE CELL)



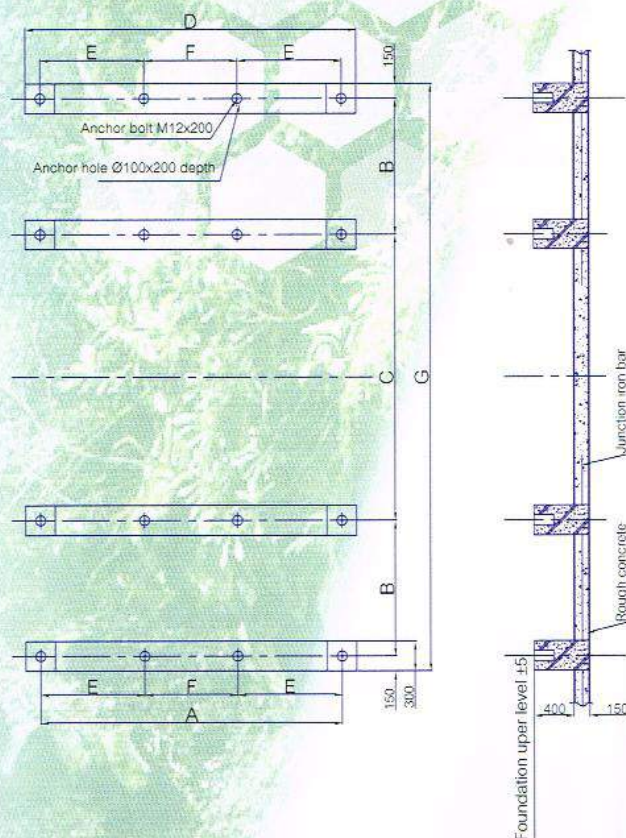
MODEL	FLOW RATE	DIMENSION		FAN DATA & MOTOR			PIPE CONNECTION						PUMP	WEIGHT
	L/MIN(m³/hr)	LENGTH(L)	HEIGHT(H)	FAN ø (mm.)	Motor		IN LET	OUT LET	DRAIN	OVER FLOW	MAKEUP	QUICK FLOW	HP	KG.
		WIDTH(W)			HP	POLE								
50	650 (39)	1600	3080	900	2HP	6	80 (3")	80 (3")	25 (1")	25 (1")	20(3/4")	20(3/4")	2.9	818
60	783 (47)	1600	3170	900	2HP	6	80 (3")	80 (3")	25 (1")	25 (1")	20(3/4")	20(3/4")	3.2	1045
80	1033 (62)	1850	3470	1200	2HP	6	100 (4")	100 (4")	25 (1")	25 (1")	20(3/4")	20(3/4")	3	1397
100	1300 (78)	2100	3610	1200	2HP	8	100 (4")	100 (4")	25 (1")	25 (1")	20(3/4")	25 (1")	3.3	1950
125	1625 (98)	2400	3690	1400	2HP	8	125 (5")	125 (5")	50 (2")	50 (2")	25 (1")	25 (1")	3.1	1970
150	1950 (117)	2400	3990	1400	3HP	8	150 (6")	150 (6")	50 (2")	50 (2")	25 (1")	25 (1")	3.4	2360
175	2275 (137)	2800	3680	1500	5HP	10	150 (6")	150 (6")	50 (2")	50 (2")	25 (1")	25 (1")	3	2460
200	2600 (156)	2800	3980	1800	5HP	10	150 (6")	150 (6")	63 (2 1/2")	63 (2 1/2")	25 (1")	25 (1")	3.5	2840
250	3250 (195)	3100	4250	1800	5HP	10	200 (8")	200 (8")	63 (2 1/2")	63 (2 1/2")	38 (1 1/2")	38 (1 1/2")	4	3510
300	3900 (234)	3400	5080	2100	7.5HP	10	200 (8")	200 (8")	80 (3")	80 (3")	38 (1 1/2")	38 (1 1/2")	4	3700
350	4560 (273)	3600	5080	2100	7.5HP	12	200 (8")	200 (8")	80 (3")	80 (3")	38 (1 1/2")	38 (1 1/2")	4	4300
400	5220 (312)	3800	5330	2400	10HP	12	200 (8")	200 (8")	80 (3")	80 (3")	38 (1 1/2")	38 (1 1/2")	4	5800
500	6500 (390)	4300	5450	2400	15HP	4	250 (10")	250 (10")	80 (3")	80 (3")	38 (1 1/2")	38 (1 1/2")	5	7506
600	7800 (468)	4700	5650	3050	20HP	4	250 (10")	250 (10")	80 (3")	80 (3")	38 (1 1/2")	38 (1 1/2")	5	8100
700	9160 (546)	5000	5650	3050	20HP	4	250 (10")	250 (10")	80 (3")	80 (3")	38 (1 1/2")	38 (1 1/2")	6	9000
800	10400(624)	5460	5980	3050	25HP	4	300 (12")	300 (12")	100 (4")	100 (4")	38 (1 1/2")	38 (1 1/2")	6	11250
900	11700(702)	5750	5980	3660	25HP	4	300 (12")	300 (12")	100 (4")	100 (4")	38 (1 1/2")	38 (1 1/2")	6	12480
1000	13000(780)	6050	5980	3660	30HP	4	300 (12")	300 (12")	100 (4")	100 (4")	50 (2")	50 (2")	6	15200
1250	16250 (975)	6800	6300	4270	40HP	4	300 (12")	300 (12")	100 (4")	100 (4")	50 (2")	50 (2")	6.5	21000
1500	19500 (1170)	7400	6430	4270	40HP	4	350 (14")	350 (14")	125 (5")	125 (5")	50 (2")	50 (2")	6.5	25000

MOTOR 4 POLE = GEAR **OR** V-BELT DRIVE

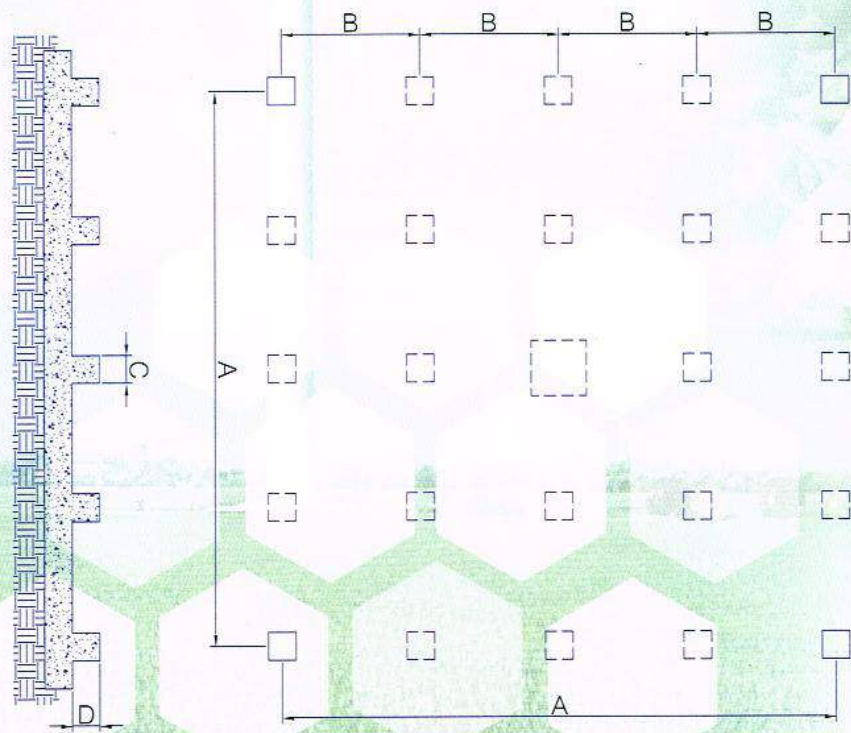
Foundation

STA MODEL

STA MODEL	A	B	C	D	E	F	G
100-125	1350	1115	1250	1450			3570
150-175	165	1115	1450	1760			3720
200	1930	1115	1650	2030			3920
250	2280	1115	1930	2400			4200
300	2280	1315	1930	2400			4580
350	3100	1115	2750	3150	1550		5020
400	3040	1370	2880	3090	1050	940	5670
500	3500	1380	3160	3650	1050	1400	5970
600	3800	1380	3700	4100	1150	1500	6750
700	3800	1380	3700	4100	1150	1500	6750
800	4400	1380	4000	4700	1250	2100	7050
1000	4400	1380	4000	4700	1250	2100	7050
400(200x2)	3860	1115	1650	4180			3920
500(250x2)	4460	1115	1930	4780			4200
600(300x2)	4460	1315	1930	4780			4600
700(350x2)	6100	1115	2750	6300	1550		5020
800(400x2)	4980	1380	2880	6180	1050	940	5670
1000(500x2)	7000	1115	3160	9620	1050	1400	5970



SCF MODEL



MODEL	A	B	C	D	E
					QTY
50-60	1500		200	300	4
80	1750		200	300	4
100	2000		200	300	4
125-150	2300		200	300	4
175-200	2300	1350	250	500	4
250	3000	1500	250	500	9
300	3300	1650	250	500	9
350	3500	1750	250	500	9
400	3700	1850	250	500	9
500	4200	2100	250	500	9
600	4600	1533	300	500	16
700	4900	1633	300	500	16
800	5350	1783	300	500	16
900	5650	1883	300	500	16
1000	5950	1983	300	500	16
1250	6700	1675	400	500	25
1500	7300	1825	400	500	25

E = ANCHOR BOLT

PLEASE CONTACT US FOR MULTIPLE CELL FOUNDATION IN DETAIL