

GENIUS

GPC SERIES CROSSFLOW FRP COOLING TOWER

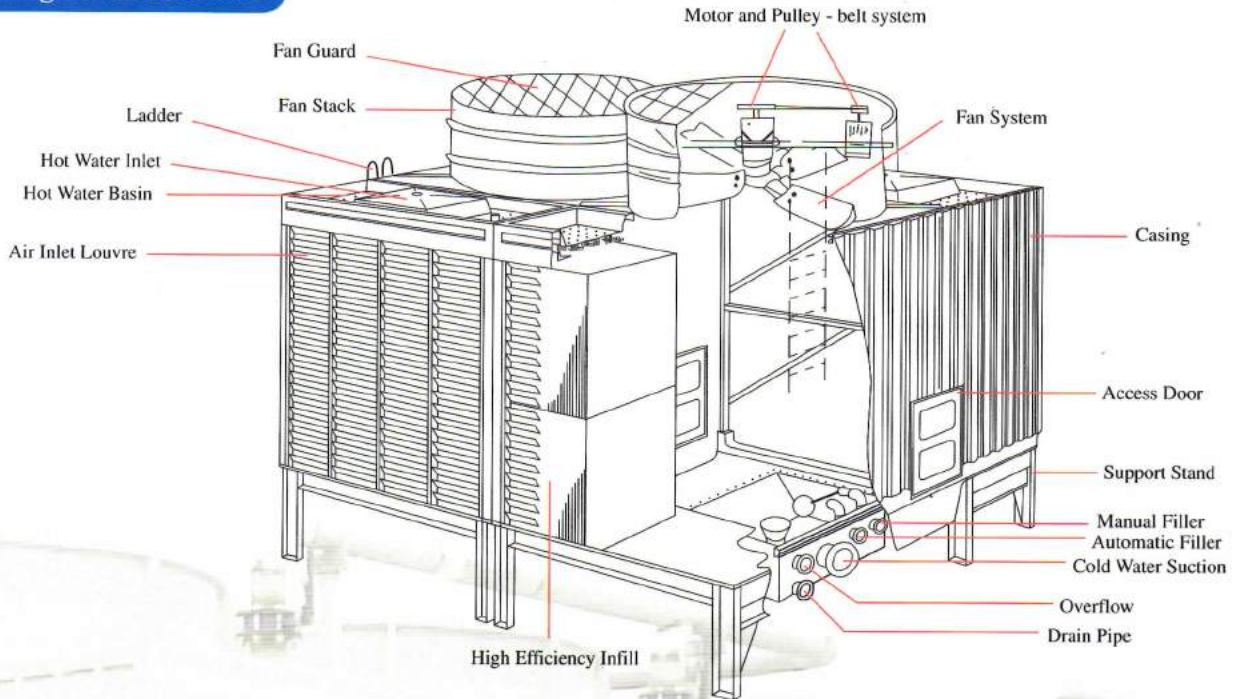


MEMBER

Job Reference



Cooling Tower Structure



Components and Feature

Low Noise Fan

Aerofoil-shaped axial fan blades are constructed from fiberglass reinforced polyester (FRP) by using high-grade chemical and weather resistant material with pre layer epoxy coating for the resistance of ultra violet ray. The fan hub is constructed from aluminum cast alloy.

All FRP fan sets are completed with factory preset fan pitch, static and dynamic balancing test.



Infill

Filler is vacuum-formed PVC film patented with indicate design for higher heat rejection.

The infill is enhanced with UV absorber and antioxidant stabilizer to enhance lifespan and durability and suitable for inlet hot water temperature operation up to 55°C. Infill block are bonded in compact small package design for easier handling and take out cleaning purpose.



Tower Steel Frame

All the cooling tower supporting steel and frames are hot dip galvanized and assembly by using stainless steel bolt and nuts to ensure corrosion resistance for longer life span.

Casing and Basing

The casing, hot and cold water distribution basin are made of FRP, an excellent non corrosive material.

Slopping cold water basin and depressed water sump provide complete self-cleaning during wash-down.

Space saving and light weight

Cross flow type cooling tower is designed with space saving concept with lower drift loss and noise level compare to conventional type (counter-flow) cooling tower.

Access Door / Internal walkway

Access door and internal walkway is furnished to provide convenient access into cooling tower for inspection and maintenance.



Technical Data For GPC Series (Low Noise Type)

Item	Single Cell										Two Cells				Three Cells				Four Cells												
	GPC	GPC	GPC	GPC	GPC	GPC	GPC	GPC	GPC	GPC	GPC	GPC	GPC	GPC	GPC	GPC	GPC	GPC	GPC	GPC	GPC	GPC	GPC	GPC	GPC	GPC	GPC	GPC			
Capacity	Cooling Capacity	100	125	150	175	200	225	250	300	350	400	450	500	600	700	800	900	1000													
	HRT	100	125	150	175	200	225	250	300	350	400	450	500	600	700	800	900	1000													
Overall Dimension	Heat Rejection	390000	487500	585000	682500	780000	877500	975000	1170000	1365000	1560000	1750000	1950000	2340000	2730000	2925000	3120000	3510000	3900000												
	Circulation Water	78	98	117	137	156	175	195	234	274	312	350	390	468	545	585	624	700	780												
	Width (W)	3300			3700	4000	4400			3700	4000	4400	4800	4000	4400	4800	4000	4400	4800												
	Length (L)	1910			1910	2110	2505			3820	4220	5010	5010	6330	7515	8440	10020														
Components Materials	Height (H)	3500			3500	3500			3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500												
	Steel Frame	Hot Dipped Galvanised Steel																													
Fan Assembly	Casing	FRP																													
	Filler Media	PVC																													
	Distribution Basin	FRP																													
	Cold Water Basin	FRP																													
	Water Sump	FRP																													
	Fan	FRP																													
Fan Stack	Fan Blade	FRP																													
	Hub	Aluminium Cast Alloy																													
Fan	Type	Axial Flow																													
	Diameter x Nos	1300 x 1	1500 x 1	1800 x 1	2000 x 1	2000 x 1	1800 x 2	1500 x 2	1800 x 2	2000 x 2	1800 x 3	2000 x 3	2000 x 3	1800 x 3	2000 x 3	2000 x 3	1800 x 4	2000 x 4	2000 x 4												
	Number of Blades	4																													
	Fan Speed (Approx.)	480	520	435	510	490	360	410	435	510	490	360	410	490	410	410	490	360	410	490	360	410	490	360	410	490	360	410	490	360	410
Drive System	V-belt Drive System																														
Power Source	415 V / 3 Ph / 50 Hz																														
Motor	Type	Totally enclosed fan cooled 3 phase induction motor, 4 pole																													
	Rated Output x Qty (Kw)	2.2 x 1	3.7 x 1	5.5 x 1	7.5 x 1	3.7 x 2	5.5 x 2	7.5 x 2	5.5 x 2	7.5 x 2	5.5 x 3	7.5 x 3	5.5 x 3	7.5 x 3	5.5 x 3	7.5 x 3	5.5 x 4	7.5 x 4	5.5 x 4	7.5 x 4											
Inlet Distribution	Open Gravity Type	Open Travity Type																													
	Inlet, mm	100 x 2	125 x 2	150 x 1	200 x 1	100 x 4	125 x 4	200 x 1	250 x 1	50 x 1	50 x 1	40 x 1	40 x 1	50 x 1	50 x 1	40 x 2	40 x 2	125 x 6	200 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	
Piping Dimension	Outlet, mm	125 x 1	150 x 1	50 x 1	50 x 1	100 x 4	125 x 4	200 x 1	250 x 1	50 x 1	50 x 1	40 x 1	40 x 1	50 x 1	50 x 1	40 x 2	40 x 2	125 x 6	200 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	
	Drain Pipe, mm	125 x 1	150 x 1	50 x 1	50 x 1	100 x 4	125 x 4	200 x 1	250 x 1	50 x 1	50 x 1	40 x 1	40 x 1	50 x 1	50 x 1	40 x 2	40 x 2	125 x 6	200 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	
Make-up	Auto Make-up, mm	25 x 1	25 x 1	25 x 1	25 x 1	40 x 1	40 x 1	40 x 1	40 x 1	50 x 1	50 x 1	40 x 1	40 x 1	50 x 1	50 x 1	40 x 2	40 x 2	125 x 6	200 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	
	Manual Make-up mm	25 x 1	25 x 1	25 x 1	25 x 1	40 x 1	40 x 1	40 x 1	40 x 1	50 x 1	50 x 1	40 x 1	40 x 1	50 x 1	50 x 1	40 x 2	40 x 2	125 x 6	200 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	50 x 2	
Weight	Evaporation Loss, %	0.98																													
	Drift loss, %	0.02																													
Weight	Dry	985	995	1250	1270	1300	1500	1550	2400	2430	2510	2900	2940	3800	4320	4330	5200	6000	6200												
	Operation	2150	2160	2630	2680	2850	3720	3770	5100	5140	5600	6900	7200	8500	10900	11000	11400	14500	14800												

Note:
 1. Normal cooling capacity is based on 13l/min / RT (1 RT = 3,900 Kcal/hr) at 37°C CHW, 32°C CCW and 27°CWB.
 2. The pump head required is approximately the height at the cooling tower.
 3. Manufacturer reserve the right to change the technical data for improvement of products without prior notice.

Technical Data For GPC-C Series (Compact Type)

Item	Single Cell		Two Cells		Three Cells		Four Cells		Five Cells		Six Cells		Seven Cells	
	GPC 280 C	GPC 320 C	GPC 560 C	GPC 640 C	GPC 840 C	GPC 960 C	GPC 1120 C	GPC 1280 C	GPC 1400 C	GPC 1600 C	GPC 1680 C	GPC 1920 C	GPC 1960 C	GPC 2240 C
Capacity	Cooling Capacity	HRT	280	320	560	640	840	960	1120	1280	1400	1600	1680	1920
	Heat Rejection	Kcal/Hr	835,000	960,000	1,665,000	1,930,000	2,500,000	2,880,000	3,372,000	3,860,000	4,790,000	4,810,000	5,030,000	5,760,000
Overall Dimension	Circulation Water	M ³ /Hr	148	165	298	320	420	500	590	675	720	850	880	990
	Width (W)	mm	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400
	Length (L)	mm	2505	2505	5010	5010	7515	7515	10020	10020	12525	12525	15030	15030
	Height (H)	mm	3500	4500	3500	4500	3500	4500	3500	4500	3500	4500	3500	4500
Steel Frame														
Casing														
FRP														
Filler Media														
PVC														
Distribution Basin														
FRP														
Cold Water Basin														
FRP														
Water Sump														
FRP														
Fan														
FRP														
Fan Stack														
FRP														
Fan Blade: FRP ; Hub: Aluminium Cast Alloy														
FRP														
Axial Flow														
Fan Assembly	Diameter x Nos	mm	2000 x 1	2000 x 2	2000 x 3	2000 x 4	2000 x 5	2000 x 6	2000 x 7					
	Number of Blades		4											
Motor	Fan Speed (Approx.)	rpm	428											
	Drive System		V-belt Drive System											
Power Source			415 V / 3 Ph / 50 Hz											
Type			Totally enclosed fan cooled (TEFC) 3 phase induction motor, 6 pole											
Inlet Distribution	Rated Output x Qty (Kw)		11 x 1	11 x 2	11 x 3	11 x 4	11 x 5	11 x 6	11 x 7					
	Open Gravity Type		Open Travity Type											
Piping Dimension	Inlet, mm		165 x 2	165 x 4	165 x 6	165 x 8	165 x 10	165 x 12	165 x 14					
	Outlet, mm		200 x 1	250 x 1	200 x 2	250 x 2	250 x 2	250 x 3	250 x 4					
	Drain Pipe, mm		50 x 1											
	Overflow, mm		50 x 1											
Make-up	Auto Make-up, mm		40 x 1											
	Manual Make-up, mm		40 x 1											
Evaporation Loss, %			0.98											
Drift loss, %			0.02											
Weight	Dry	Kg	1420	1790	2600	3350	4990	5120	6620	8150	7630	9780	8810	11390
	Operation	Kg	3300	3700	6100	7200	9200	10500	11980	14720	16820	20180	21050	23500

Note:
 1. Normal cooling capacity is based on 13 $\frac{1}{2}$ / min / RT (1 RT = 3,900 Kcal / hr) at 37 $\frac{1}{2}$ C CHW, 32 $\frac{1}{2}$ C CW and 27 $\frac{1}{2}$ C WB.
 2. The pump head required is approximately the height at the cooling tower.
 3. Manufacturer reserve the right to change the technical data for improvement of products without prior notice.

Technical Data For GPC-S Series (Super Low Noise Type)

Item	Single Cell										Two Cells				Three Cells				Four Cells						
	GPC 100S	GPC 125S	GPC 150S	GPC 175S	GPC 200S	GPC 225S	GPC 250S	GPC 300S	GPC 350S	GPC 400S	GPC 450S	GPC 500S	GPC 600S	GPC 700S	GPC 750S	GPC 800S	GPC 900S	GPC 1000S							
Capacity	Cooling Capacity	HRT																							
	Heat Rejection	Kcal/hr																							
	Circulation Water	M ³ /hr																							
Overall Dimension	Width (W)	mm																							
	Length (L)	mm																							
	Height (H)	mm																							
	Steel Structure	Hot Dipped Galvanised Steel																							
Components Materials	Casing	FRP																							
	Filler Media	PVC																							
	Distribution Basin	FRP																							
	Cold Water Basin	FRP																							
	Water Sump	FRP																							
	Fan	FRP																							
Fan Assembly	Fan Stack	FRP																							
	Type	Axial Flow																							
	Diameter x Nos	1300 x 1		1500 x 1		1700 x 1		2000 x 1		1500 x 2		1700 x 2		2000 x 2		1700 x 3		2000 x 3		1700 x 4		2000 x 4			
	Number of Blades	4																							
	Fan Speed (Approx.)	390		415		410		430		360		410		430		350		360		460		350		360	
	Drive System	V-belt Drive System																							
	Power Source	415 V / 3 Ph / 50 Hz																							
	Type	Totally Enclosed Fan Cooled (TEFC) 3 Phase Induction Motor, 4 Pole																							
	Rated Output x Qty (Kw)	2.2 x 1		3.7 x 1		5.5 x 1		7.5 x 1		3.7 x 2		5.5 x 2		7.5 x 2		5.5 x 3		7.5 x 3		5.5 x 4		7.5 x 4			
	Inlet Distribution	Open Gravity Type																							
Inlet mm		100 x 2		150 x 1		125 x 2		100 x 4		125 x 4		200 x 1		250 x 1		125 x 6		200 x 2		250 x 2		125 x 8			
Outlet mm		125 x 1		50 x 1		50 x 1		50 x 1		50 x 1		50 x 1		50 x 1		50 x 2		50 x 2		50 x 2		50 x 2			
Drain Pipe mm		50 x 1		50 x 1		50 x 1		50 x 1		50 x 1		50 x 1		50 x 1		50 x 2		50 x 2		50 x 2		50 x 2			
Overflow mm		25 x 1		25 x 1		40 x 1		40 x 1		50 x 1		50 x 1		40 x 2		40 x 2		50 x 2		50 x 2		50 x 2			
Auto Make-up mm		25 x 1		25 x 1		40 x 1		40 x 1		50 x 1		50 x 1		40 x 2		40 x 2		50 x 2		50 x 2		50 x 2			
Make-up	Manual Make-up mm																								
	Evaporation Loss, %	0.98																							
Weight	Drift loss, %	0.02																							
	Dry Operation	1100	1150	1280	1300	1520	1550	1550	2390	2450	2900	2950	4480	4980	4980	5980	6100	6200							
	Operation	2380	2400	2780	2790	3500	3720	3770	5320	5380	6900	6950	10900	10980	14500	14500	14500	14800							

Note:
 1. Normal cooling capacity is based on 13.7 min / RT (=3,900 Kcal / hr) at 37°C CHW, 32°C CW and 27°C WB.
 2. The pump head required is approximately the height at the cooling tower.
 3. Manufacturer reserve the right to change the technical data for improvement of products without prior notice.

Noise Level

Measuring method

- The measuring point at 45 degree upper distance, "Df", equal to the fan diameter, away from the top edge of the fan stack. Opposite of motor driven side. If fan diameter is less than 1.5m, the measuring point should be limited to 1.5m.

Low Noise Type

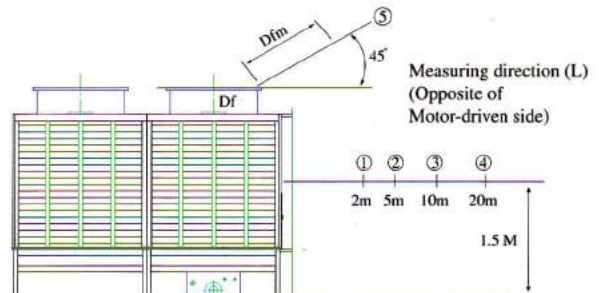
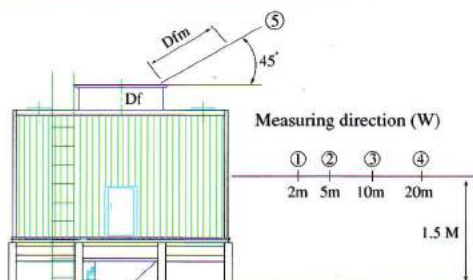
Model	Measuring direction	Measuring point		1	2	3	4	Measuring point Dfm
		Measuring distance	Measuring distance					
GPC 100	W/L	2 m	5 m	63.5/60	59/57	55/51.5	50.3/45.5	68
GPC 125	W/L	2 m	5 m	65/60.5	62.5/57.5	57/54	51/48	68.5
GPC 150	W/L	2 m	5 m	66.5/61	64/59.5	58/54.5	53/49	69
GPC 175	W/L	2 m	5 m	67.5/63	65/60	61/57	54/51	69.5
GPC 200	W/L	2 m	5 m	67.5/64.5	65.5/61	62/57.5	55/51.5	71
GPC 225	W/L	2 m	5 m	68/65	66/62	62.5/58	55.5/52	72
GPC 250	W/L	2 m	5 m	68.5/65.5	66/62.5	62.5/59	56/52.5	72.5
GPC 300	W/L	2 m	5 m	69/64	64.5/60	60/56	55/51.5	72.5
GPC 350	W/L	2 m	5 m	70/65	66/61	61/58	56/52.5	74
GPC 400	W/L	2 m	5 m	70.5/66	67/62.5	62/59.5	57/54	74.5
GPC 450	W/L	2 m	5 m	71/67	67.5/63	63.5/60	57/54.5	74.5
GPC 500	W/L	2 m	5 m	71/68	69/64.5	64.5/60.5	59.5/55	75.5
GPC 600	W/L	2 m	5 m	72/67	69.5/65	65/61	60.5/55	76
GPC 700	W/L	2 m	5 m	73/68	70.5/66	65.5/61	61/55	76.5
GPC 750	W/L	2 m	5 m	73.5/68.5	70.5/66.5	66/61	62/55.5	77
GPC 800	W/L	2 m	5 m	73.5/68.5	71.5/66.5	66.5/61.5	62.5/56	77
GPC 900	W/L	2 m	5 m	73.5/68.5	71.5/66.5	67/61.5	62.5/56	77
GPC 1000	W/L	2 m	5 m	74/69	71.5/66.5	67.5/61.5	62.5/56.5	78

Compact Type

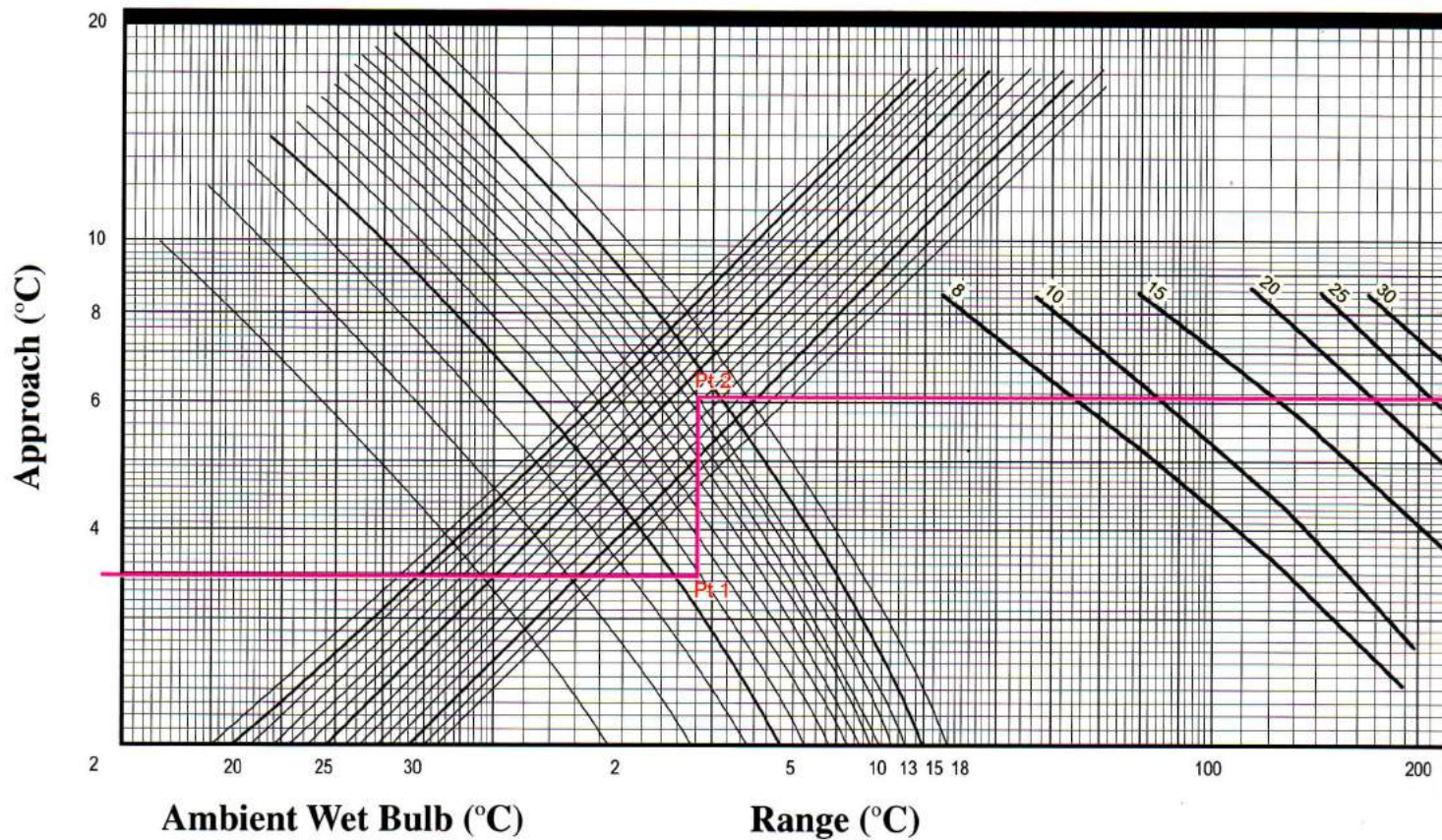
Model	Measuring direction	Measuring point		1	2	3	4	Measuring point Dfm
		Measuring distance	Measuring distance					
GPC 280 C	W/L	2 m	5 m	69/66	67/64.5	64.5/61	58.5/54.5	74.5
GPC 320 C	W/L	2 m	5 m	69.5/66	67/64.5	65/61	59/53	74.5
GPC 560 C	W/L	2 m	5 m	71.5/68.5	69.5/67	66.5/61.5	61.5/54.5	75
GPC 640 C	W/L	2 m	5 m	72/68.5	70/67.5	67/61.5	62/54.5	75
GPC 840 C	W/L	2 m	5 m	74.5/69.5	72/69.5	69.5/63.5	62.5/54.5	76
GPC 960 C	W/L	2 m	5 m	74.5/70	72/68	70/62.5	62.5/55	76
GPC 1120 C	W/L	2 m	5 m	75/70.5	72/68.5	70/62.5	62.5/55.5	77
GPC 1280 C	W/L	2 m	5 m	75.5/70	72.5/68.5	70.5/62.5	63/55.5	77
GPC 1400 C	W/L	2 m	5 m	75.5/70.5	72.5/69	70.5/62.5	63.5/56	78
GPC 1600 C	W/L	2 m	5 m	76/70.5	73/69	71/62.5	63.5/56	78
GPC 1680 C	W/L	2 m	5 m	76.5/71	73.5/69.5	71.5/63	64/56	78.5
GPC 1920 C	W/L	2 m	5 m	76.5/71	73.5/69.5	71.5/63	64/56	78.5
GPC 1960 C	W/L	2 m	5 m	77/71	73.5/69.5	72/63.5	64.5/56.5	79.5
GPC 2240 C	W/L	2 m	5 m	77.5/71.5	73.5/70	72.5/64	65/57	80.5

Super Low Noise Type

Model	Measuring direction	Measuring point		1	2	3	4	Measuring point Dfm
		Measuring distance	Measuring distance					
GPC 100 S	W/L	2 m	5 m	58.5/54.5	56/51	51/47.5	45/41	63
GPC 125 S	W/L	2 m	5 m	60.5/55.5	57/52.5	52.5/49	46.5/41.5	63.5
GPC 150 S	W/L	2 m	5 m	60.5/57	58/54	53/50	47.5/43.5	65
GPC 175 S	W/L	2 m	5 m	62.5/58	59.5/55	55.5/51	49/45	66
GPC 200 S	W/L	2 m	5 m	62.5/59	60.5/56	56/51.5	50.5/46	66.5
GPC 225 S	W/L	2 m	5 m	63/59	61/57	56.5/51.5	51/46	66.5
GPC 250 S	W/L	2 m	5 m	64/60	61.5/57	56.5/52	51.5/46.5	67.5
GPC 300 S	W/L	2 m	5 m	64.5/59.5	61.5/57	55/51	50/45	67.5
GPC 350 S	W/L	2 m	5 m	65/60	62.5/57.5	57.5/53.5	51.5/46	69
GPC 400 S	W/L	2 m	5 m	66/61	62.5/58	58/54.5	52.5/47	70
GPC 450 S	W/L	2 m	5 m	66.5/61.5	64/59	58/55	53/47.5	71
GPC 500 S	W/L	2 m	5 m	67.5/62	64.5/59	61/56	54/48	71.5
GPC 600 S	W/L	2 m	5 m	68/62	65/59.5	62/56	54.5/48.5	72
GPC 700 S	W/L	2 m	5 m	68.5/63	65.5/60.5	62/57	55/49.5	72.5
GPC 750 S	W/L	2 m	5 m	69/63.5	66/60.5	62.5/57	55.5/49.5	73
GPC 800 S	W/L	2 m	5 m	69/64	66/60.5	62.5/57.5	56/50	73
GPC 900 S	W/L	2 m	5 m	69/65	66.5/61	63/58	56.5/51	73.5
GPC 1000 S	W/L	2 m	5 m	70/65	67/61.5	63.5/57	57/51.5	74



GENIUS Cooling Tower Selection Chart



Cooling Tower Selection Procedure

Design Data:

Example 1

Water Inlet Temperature, T_1 : 97 °F (36.1 °C)
 Water Outlet Temperature, T_2 : 87 °F (30.5 °C)
 Ambient Wet Bulb, T_{WB} : 81 °F (27 °C)

Determine the following parameter:

Range = $T_1 - T_2$
 = 36.1 - 30.5 °C
 = 5.6 °C

Approach = $T_2 - T_{WB}$
 = 30.5 - 27.0 °C
 = 3.5 °C

Selection Procedure

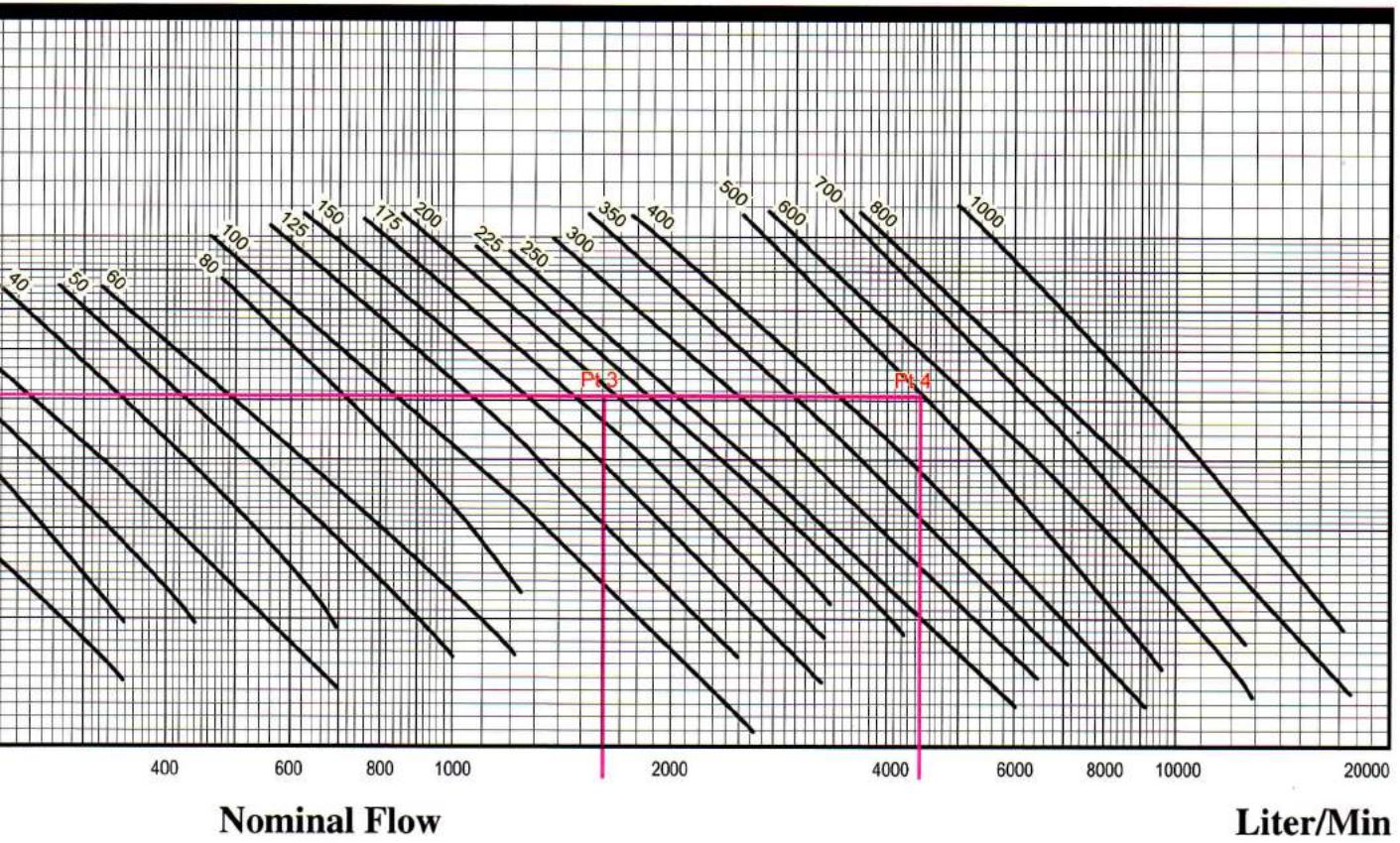
1. Determine the intersection point of **RANGE** and **APPROACH**. (Pt 1)
2. Draw perpendicular line up or down from the intersection point to the **AMBIENT WET BULB** line. (Pt 2)
3. Then, draw a line across the chart to meet the perpendicular line of **NOMINAL FLOW**.
4. For the flow of:

Example 1

1600 L/M : Capacity derived : 200 TR (Pt 3)
 Tower Model : GPC 200 or GPT 200

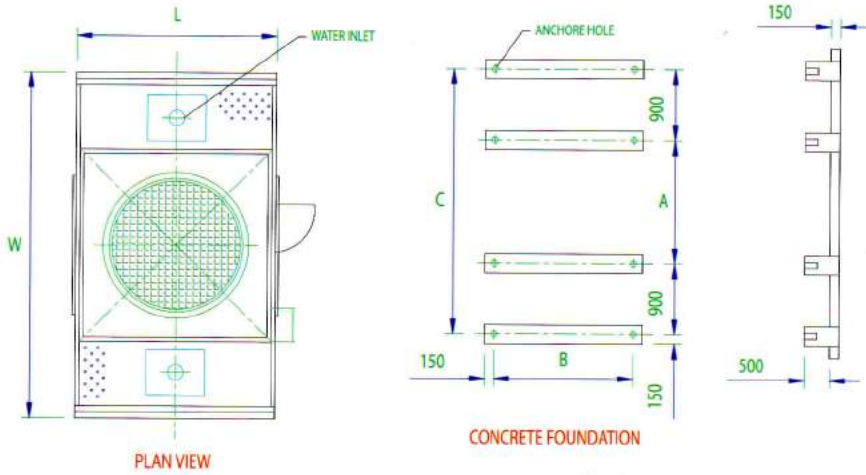
Example 2

4550 L/M : Capacity derived : 500 TR (Pt 4)
 Tower Model : GPC 500 or GPT 500



Project Name					
Cooling Tower					
Inlet Water Temp., T_1 °C					
Outlet Water Temp., T_2 °C					
Ambient Wet Bulb, T_{WB} °C					
Flow Rate (L/min)					
Range ($T_1 - T_2$) °C					
Approach ($T_2 - T_{WB}$) °C					
Cooling Tower Model					

One Cell



NOTE : ALL DIMENSION IN MM

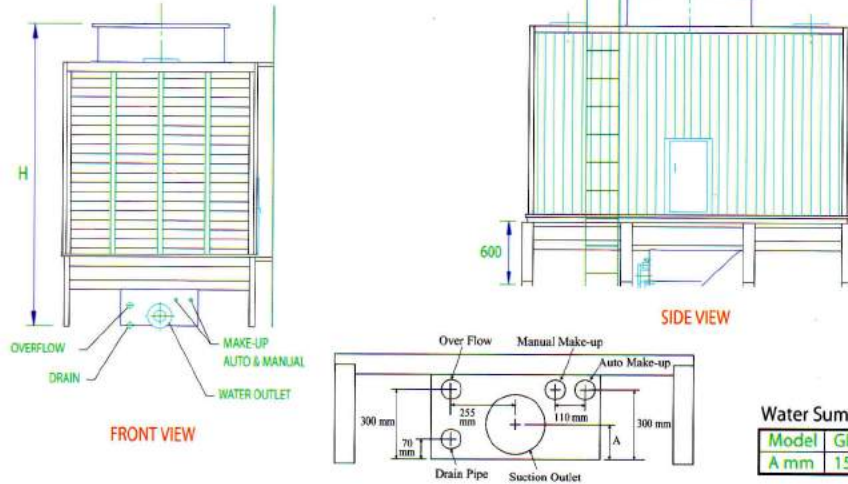
MODEL	TOWER DIMENSION			FOUNDATION DETAILS		
	L	W	H	A	B	C
GPC 100	1910	3300	3500	1380	1800	3180
GPC 125	1910	3300	3500	1380	1800	3180
GPC 150	1910	3700	3500	1680	1800	3480
GPC 175	1910	3700	3500	1680	1800	3480
GPC 200	2110	4000	3500	2000	2000	3800
GPC 225	2505	4400	3500	2400	2400	4200
GPC 250	2505	4400	3500	2400	2400	4200

GPC 280 C	2505	4400	3500	2400	2400	4200
GPC 320 C	2505	4400	4500	2400	2400	4200

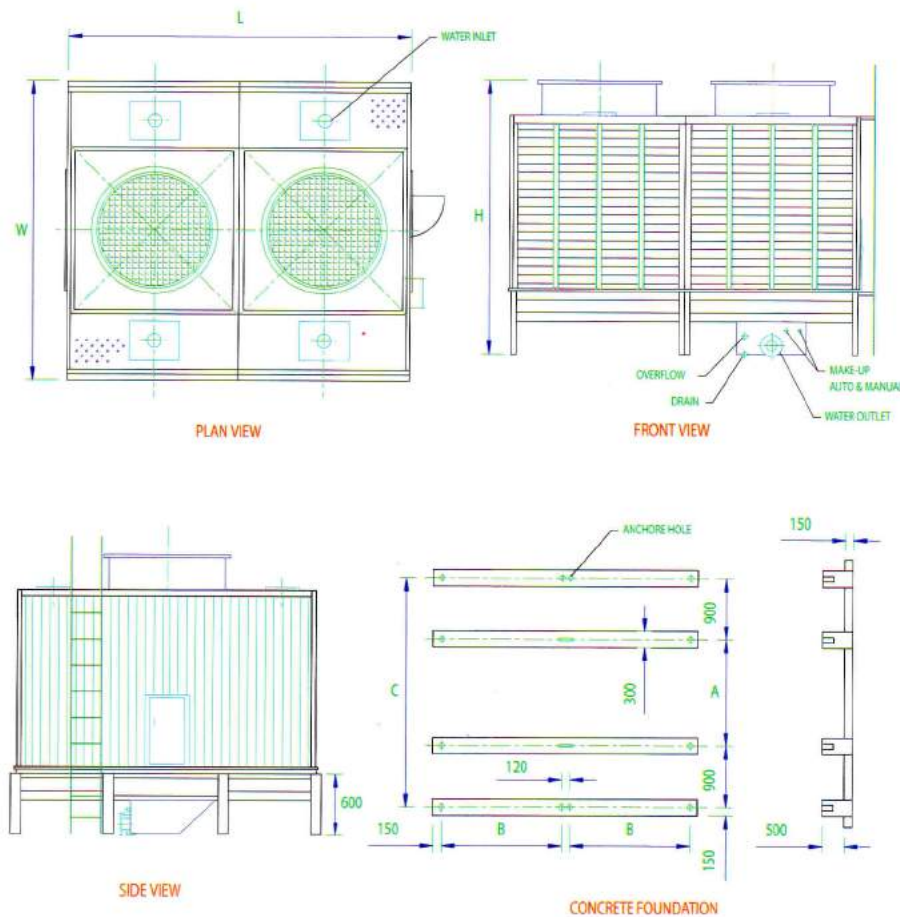
GPC 100 S	1910	3300	3850	1380	1800	3180
GPC 125 S	1910	3300	3850	1380	1800	3180
GPC 150 S	1910	3700	3850	1680	1800	3480
GPC 175 S	1910	3700	3850	1680	1800	3480
GPC 200 S	2110	4000	3850	2000	2000	3800
GPC 225 S	2505	4400	3850	2400	2400	4200
GPC 250 S	2505	4400	3850	2400	2400	4200

Water Sump Detail

Model	GPC 100	GPC 125	GPC 150	GPC 175	GPC 200	GPC 225	GPC 250
A mm	150	150	165	165	165	190	190



Two Cells



NOTE : ALL DIMENSION IN MM

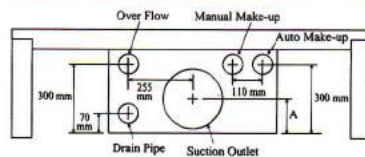
MODEL	TOWER DIMENSION			FOUNDATION DETAILS		
	L	W	H	A	B	C
GPC 300	3820	3700	3500	1680	1800	3480
GPC 350	3820	3700	3500	1680	1800	3480
GPC 400	4220	4000	3500	2000	2000	3800
GPC 450	5010	4400	3500	2400	2400	4200
GPC 500	5010	4400	3500	2400	2400	4200

GPC 560 C	5010	4400	3500	2400	2400	4200
GPC 640 C	5010	4400	4500	2400	2400	4200

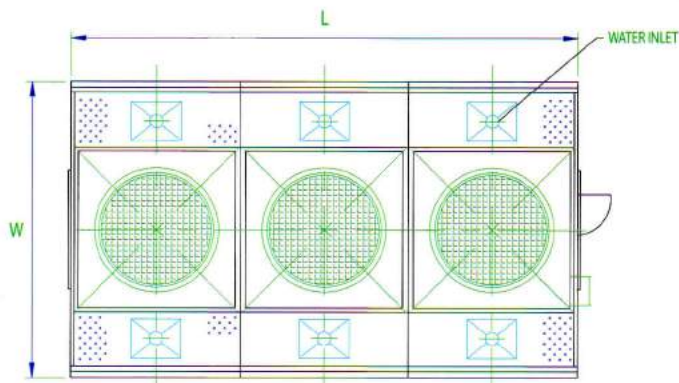
GPC 300 S	3820	3700	3850	1680	1800	3480
GPC 350 S	3820	3700	3850	1680	1800	3480
GPC 400 S	4220	4000	3850	2000	2000	3800
GPC 450 S	5010	4400	3850	2400	2400	4200
GPC 500 S	5010	4400	3850	2400	2400	4200

Water Sump Detail

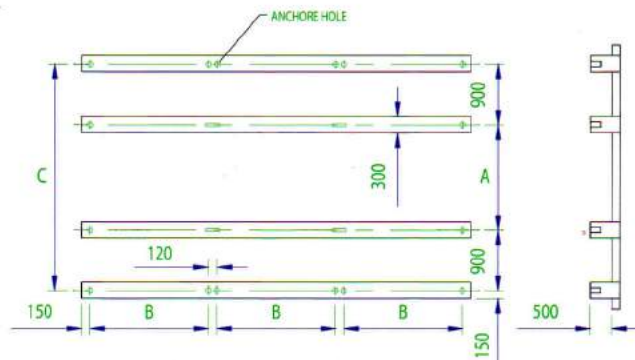
Model	GPC 300	GPC 350	GPC 400	GPC 450	GPC 500
A mm	190	190	215	215	215



Three Cells

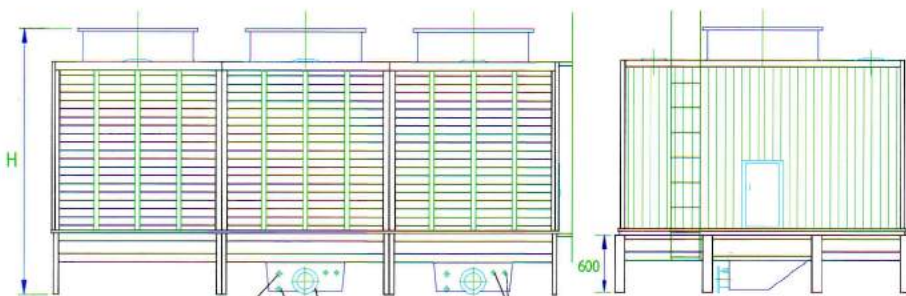


PLAN VIEW



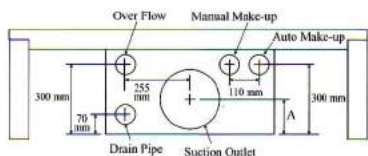
RC FOUNDATION DETAIL

NOTE : ALL DIMENSION IN MM



FRONT VIEW

SIDE VIEW

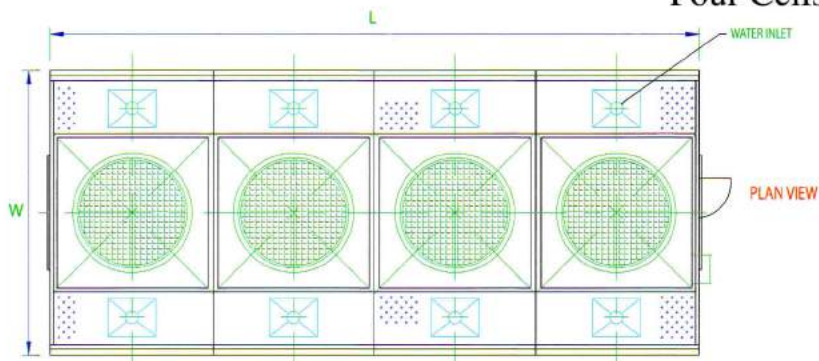


Water Sump Detail

Model	GPC 600	GPC 675	GPC 700	GPC 750
A mm	190	190	190	190

MODEL	TOWER DIMENSION			FOUNDATION DETAILS		
	L	W	H	A	B	C
GPC 600	6330	4000	3500	2000	2000	3800
GPC 675	7515	4400	3500	2400	2400	4200
GPC 700	7515	4400	3500	2400	2400	4200
GPC 750	7515	4400	3500	2400	2400	4200
GPC 840 C	7515	4400	3500	2400	2400	4200
GPC 960 C	7515	4400	4500	2400	2400	4200
GPC 600 S	6330	4000	3850	2000	2000	3800
GPC 700 S	7515	4400	3850	2400	2400	4200
GPC 750 S	7515	4400	3850	2400	2400	4200

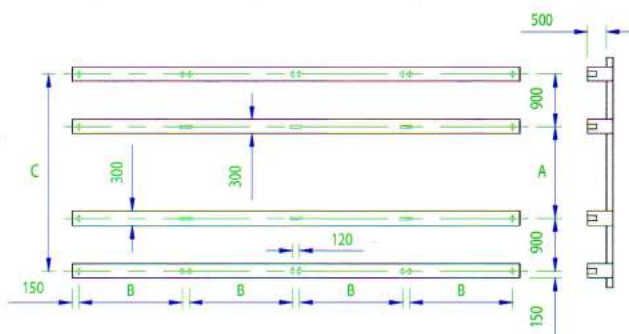
Four Cells



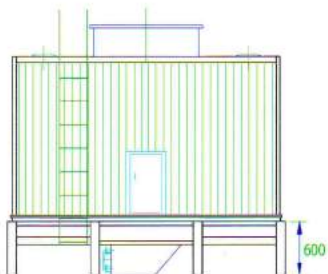
PLAN VIEW

NOTE : ALL DIMENSION IN MM

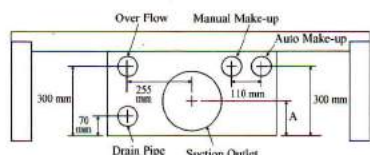
MODEL	TOWER DIMENSION			FOUNDATION DETAILS		
	L	W	H	A	B	C
GPC 800	8400	4000	3500	2000	2000	3800
GPC 900	10020	4400	3500	2400	2400	4200
GPC 1000	10020	4400	3500	2400	2400	4200
GPC 1120 C	10020	4400	3500	2400	2400	4200
GPC 1280 C	10020	4400	4500	2400	2400	4200
GPC 800 S	8400	4000	3850	2000	2000	3800
GPC 900 S	10020	4400	3850	2400	2400	4200
GPC 1000 S	10020	4400	3850	2400	2400	4200



RC FOUNDATION DETAIL

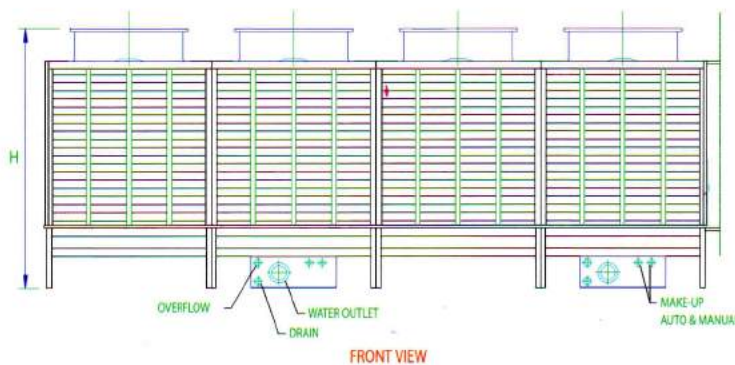


SIDE VIEW



Water Sump Detail

Model	GPC 800	GPC 900	GPC 1000
A mm	215	215	215



FRONT VIEW



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