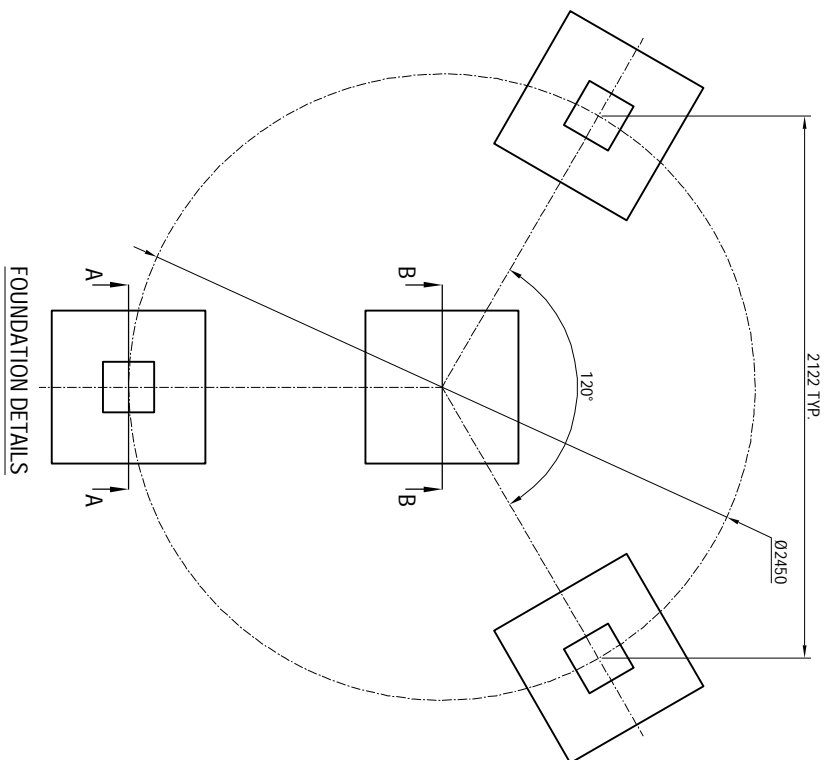
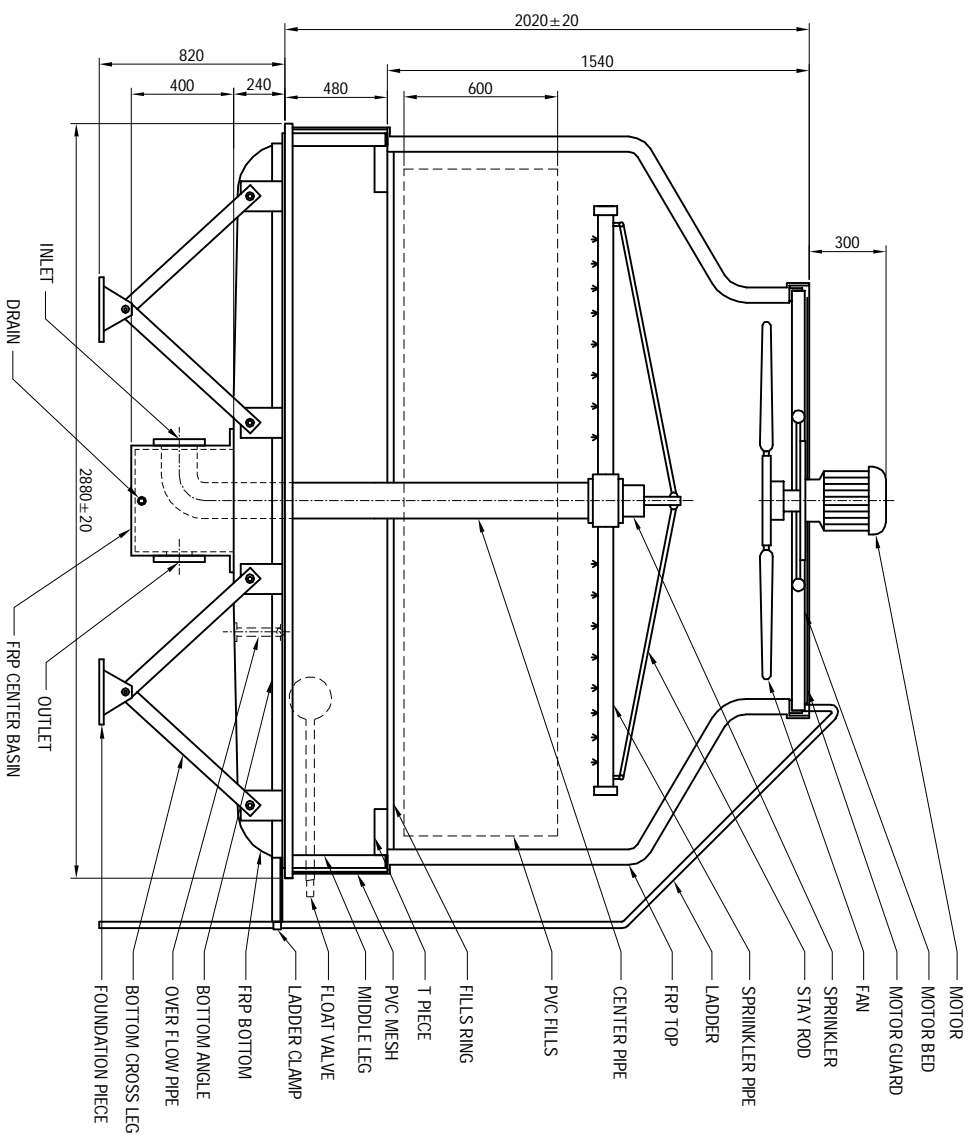


TOLERANCE ON LINEAR DIMENSIONS, IF NOT SPECIED	
DIM. RANGE	ALLOWABLE LIMITS
OVER 0.5 TO 6	±0.1
OVER 6 TO 20	±0.2
OVER 20 TO 120	±0.3
OVER 120 TO 315	±0.5
OVER 315 TO 1000	±0.8
OVER 1000 TO 2000	±1.2
OVER 2000 TO 4000	±2
>4000	±3



TECHNICAL SPECIFICATION - GC1T100H			PARAMETERS	
SL. NO.	DESCRIPTION	UOM	INDUCED DRAFT, COUNTERFLOW, EVAPORATIVE TYPE	
1	TYPE OF COOLING TOWER			
2	COOLING CAPACITY	TR	100	
3	OVERALL TOWER DIMENSIONS	mm	Ø 2880 x 3140 H	
4	AIR INLET SIZE	mm	Ø 2750 x 400 H	
5	MATERIAL OF TOWER STRUCTURE		FRP & HOT DIP GALVANIZED MS	
6	MATERIAL OF DOWNER		FRP	
7	MATERIAL OF PIPING		FRP & PVC	
8	MOTOR			
	POWER / SPEED / MAKE		5 HP / 960 rpm / NAVUG	
	TYPE		6 POLES, DUTY ST. IP-55, EXTENDED SHATT	
	CLASS OF INSULATION		F	
	SUPPLY		415 V, 50Hz	
	RATED CURRENT	Amps	8.4 Amps	
	CURRENT CONSUMED	Amps	7.5 Amps	
9	FAN			
	TYPE		AXIAL FLOW & DIRECT DRIVEN	
	FAN DIAMETER	mm	Ø 1400	
	NUMBER OF BLADES	NOS	6	
	MATERIAL OF BLADES		ALUMINIUM	
	MATERIAL OF HUB		CAST ALUMINIUM	
	TYPE OF BALANCING		DYNAMIC	
10	FILLS			
	STRUCTURE		HONEYCOMB FILLS BLOCK	
	MATERIAL		RIGID PVC / FILM TYPE FILLS, HT-55 °C	
	SIZE	mm	600L x 150 W x 300H	
	QUANTITY	NOS	140	
	SURFACE AREA	m²	750	
11	WATER DISTRIBUTION SYSTEM			
	TYPE		ROTATING SPRINKLER - 5"	
	MATERIAL		ALUMINIUM & PVC	
	WORKING PRE-SURE	bar(s)	0.8 - 1	
12	WATER LOSS & FASTENERS		SS / GI	
13	WATER LOSSES & REQUIREMENT			
	EVAPORATION LOSS (MAXIMUM)	%	0.59	
	SPRAY LOSS (MAXIMUM)	%	0.25	
	DRIFT LOSS (MAXIMUM)	%	0.2	
	BLOW DOWN LOSS (MAXIMUM)	%	0.46	
	MAKE UP WATER REQUIREMENT (PEAK)	%	1.5	
14	PIPE FITTINGS			
	WATER INLET		ANSI - 5" NB, IS2062	
	WATER OUTLET		ANSI - 5" NB, IS2062	
	FLOAT VALVE		1 1/2" BSP	
	OVER FLOW		2" BSP	
	DRAIN		1" BSP	
15	BASIN CAPACITY	litres	925	
16	SHIPPING WEIGHT	kg/CELL	425 - APPROXIMATE	
17	OPERATING WEIGHT	kg/CELL	1900 - APPROXIMATE	

	NAME/SIGN	DATE
	SD	04.03.07
	MAANI	08.08.16
	DRAWNI	

**GEM EQUIPMENTS (P) LTD**

**COIMBATORE - 641 407**

NOTE:

2. FOUNDATION BOLT - M12x150mm, 6NOS

REV. NO	DATE	REVISION DETAILS			ALT. BY	CHKD. BY	APPD. BY	AREA	DCR. NO.
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MACHINED SURFACE AS PER IS: 2102 (Med)		DRAWING NO.		REV	
PROPERTY MATERIAL		1783		0	
THE INFORMATION AND IDEAS DISCLOSED IN THIS DRAWING IS THE EXCLUSIVE PROPERTY OF GEM EQUIPMENTS AND MAY NOT BE REPRODUCED USED OR DISCLOSED WITHOUT THE WRITTEN PERMISSION OF GEM EQUIPMENTS.		A3/ALL DIMENSIONS ARE IN mm		SCALE NTS SHEET 1 OF 1	