



TECHNICAL SPECIFICATION - SCT 300L			
SL. NO.	DESCRIPTION	UOM	PARAMETERS
1	TYPE OF COOLING TOWER		INDUCED DRAFT, COUNTER FLOW, EVAPORATIVE TYPE
2	COOLING CAPACITY	TR	300
3	OVERALL TOWER DIMENSIONS	mm	3310 W x 3160 D x 3810 H
4	AIR INLET SIZE	mm	1000 H
5	MATERIAL OF TOWER STRUCTURE		FRP & HOT DIP GALVANIZED MS
6	MATERIAL OF LOUVER		FRP
7	MATERIAL OF PIPING		FRP & PVC
8	MOTOR		
POWER / SPEED / MAKE / QTY.			12.5 HP / 570 rpm / NAVYUG / 1 NO
TYPE			8 POLES, DUTY-S1, IP-55, EXTENDED SHAFT, EN-8
CLASS OF INSULATION			F
SUPPLY			415 V, 50Hz
RATED CURRENT		Amps	21 Amps
CURRENT CONSUMED		Amps	18.9 Amps
9	FAN		
TYPE			AXIAL FLOW & DIRECT DRIVEN
FAN DIAMETER / QTY.			Ø 2200 mm / 1 NO
NUMBER OF BLADES		NOS	4
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, LT-55 °C
SIZE		mm	600 L x 150 W x 300 H
QUANTITY		NOS	208
SURFACE AREA		m²	1120
11	WATER DISTRIBUTION SYSTEM		
TYPE			FIXED NOZZLE
MATERIAL			PVC, NON CLOG
WORKING PRESSURE		bar(G)	0.8 - 1
MATERIAL OF FASTENERS			SS / GI
12	WATER LOSSES & REQUIREMENT		
EVAPORATION LOSS (MAXIMUM)		%	0.59
SPARY 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 - 8" NB, IS2062
WATER OUTLET			AS PER CUSTOMER SCOPE
15	BASIN CAPACITY	litres	AS PER CUSTOMER REQUIREMENT
16	SHIPPING WEIGHT	kg/CELL	1270 - APPROXIMATE
17	OPERATING WEIGHT	kg/CELL	2400 - APPROXIMATE