

TECHNICAL SHEET
TIMBER INDUCED DRAUGHT CROSS FLOW COOLING TOWER
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C MDF-031

TECHNICAL SPECIFICATION

Model No.	:	C MDF-031
<u>Technical Specification:</u>		
Water Flow Rate	:	2000 LPM
Hot Water Temperature	:	42 °C
Cold Water Temperature	:	32 °C
Wet Bulb Temperature	:	28 °C
Range	:	10 °C
Approach	:	4 °C
Evaporation loss	:	1.66 %
Drift loss	:	0.001%
Heat Dissipation	:	1200000 Kal / hr
Wind Pressure	:	100 mph
Relative Humidity	:	80%
Capacity of Fan	:	55000 CFM
Pumping Head	:	14 feet
Operating Weight	:	5400 kg
Empty Weight	:	4050 kg
<u>Technical Dimensions:</u>		
Length / Width / Height of Tower	:	2600 MM / 5840 MM x 3800 MM
No. of Fan Cells/Fans	:	01 No. / 01 No.
Diameter/No of Blades of Fan	:	1800 mm / 6 Nos
HP / RPM of the Motor	:	7.5 HP / 720 RPM /3 Phase / 415Volt / 50 Hz/ 5.8 BHP
Motor Type & Insulation	:	TEFC / IP 55 / Induction motor / F Class
<u>Material Of Construction:</u>		
Tower Structure,	:	As-Cu Treated Pine Timber
Splash Bars	:	As-Cu Treated Pine Timber / PVC
Eliminator Blades	:	As-Cu Treated Pine Timber / PVC
Fills Support Grids	:	SS 304
Hot Water Basin	:	BWR GRADE ISI BRAND Marine Plywood
Nut & Bolt	:	HDG
Nails	:	SS 304
Nozzles	:	PP Flower Type
Flow Control Valve	:	NA
Cold Water Basin	:	RCC, Purchaser Scope
Fan & Fan Drive	:	Direct driven
RCC Basin	:	Purchaser scope
Fan Cylinder	:	FRP
Motor Make	:	Sabar / Hindustan