

®

Harrison

EVAPORATIVE AIR COOLER



HARRISON COOLING TOWERS PVT LTD

INDUSTRIAL EVAPORATIVE AIR COOLER



EVAPORATIVE COOLING PAD

- High heat transfer co-efficient
- Self cleaning
- Longer working life



COOLER FAN MOTOR

- High quality sealed motor
- Water proof
- Casing made from High heat transfer alloy metal

FAN



- Optimized for heavy duty continuous operation
- Made from weather resistant Engineering plastic
- Dynamically balanced for low noise operation



INTEGRAL CONTROL PANEL

- Big white LCD display
- Temperature display
- Humidity display
- Auto on/off
- Date and time clock



AUTO FILL

- Float valve made from weather resistant Engineering plastic
- Automatically keeps water level up



WATER PUMP


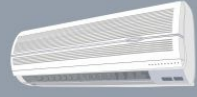


- Permanent magnet synchronous motor
- High foot frame
- No burn run without water



HOUSING

- Single piece moulded seamless body.
- No leakage
- Almost 20 years working life

COMPARISON WITH OTHER COOLING & VENTILATION DEVICES

Type	Evaporative cooler 	Refrigerative air conditioner 	Centrifugal fan 	Ceiling fan 
Capacity	18000cmh	400,000BTU/hr	40,000cmh	1400mm. Dia
Power (Kw)	1.1	54	7.5	0.075
Cover area (sqm)	1000	1000	1000	1000
Air change per hour	30	0	30	0
Units required	8	2	3	83
Total Kw	8.8kw	108.0kw	22.5kw	6.2kw
Electricity cost per year (16 hrs, 365 days)	51,392 kwh	630,720 kwh	131,400kwh	36,353.6kwh
Cost with reference to Refrigerative air conditioner	8.15%	100%	20.83%	5.76%

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HARRISON COOLING TOWERS PVT. LTD.

PLOT No.43, STREET No.7, LAGOON ROAD, MALWANI,
MALAD(WEST), MUMBAI-400095, INDIA

TELEFAX :+91 22 28885256

Tel:+91 91365 53925

91365 53926

91365 53927

91365 53928

E-Mail:harrisontower@gmail.com
info@harrisoncoolingtower.com

URL:www.harrisoncoolingtower.com