

MHM · MCT-X SERIES

MHM Cross-Flow Cooling Tower

Square cross-flow tower, 50–1500 TR per cell, low pump head, easy hot-basin cleaning.

Origin: Assembled in Bangladesh · Category: Cooling Towers



CAPACITY PER

CELL

50–1500 TR

TYPE

**Cross-flow,
induced draft**

BASIN

**Gravity hot-
water basin**

FAN MOTOR

2.2–37 kW

CELLS

1–8 in line

WARRANTY

12 months

Overview

Cross-flow towers take hot water through gravity-fed hot-water basins over the fill, so pump head is lower and the basins can be cleaned while the tower runs. The MCT-X uses multi-cell modular construction for large chiller plants and steel mills.

Available with belt-drive or direct-drive fans, FRP or galvanised casing, and optional VFD fan control for energy saving during winter.

Design features

FRP casing, UV-stabilised

Glass-fibre reinforced polyester shell with gel-coat finish that does not chalk or crack in direct sun.

PVC honeycomb infill

High-surface-area film fill, 0.38–0.5 mm sheet, resists algae and easy to lift out for cleaning.

Aluminium alloy axial fan

Adjustable-pitch blades matched to the motor for lowest kW per TR.

Rotary sprinkler or fixed nozzle

ABS sprinkler head or PP spray nozzles for uniform water distribution over the fill.

Hot-dip galvanised structure

All steel members hot-dip galvanised; stainless-steel fasteners on request.

Drift eliminators

PVC eliminators keep drift loss under 0.01% of circulation rate.

Typical applications

- Central chiller plants above 500 TR
- Steel and re-rolling mills
- Power plants and captive generation
- Chemical and fertiliser plants

Technical data — MCT-X Series

Model	Capacity (TR)	Water flow (m³/h)	Fan dia (mm)	Motor (kW)	L × W × H (mm)	Dry weight (kg)
MCT-X-100	100	78	1500	3	2400 × 2400 × 3200	950
MCT-X-250	250	195	2400	7.5	3600 × 3600 × 3800	2100
MCT-X-500	500	390	3000	15	4800 × 4800 × 4400	3900
MCT-X-800	800	624	3600	22	6000 × 6000 × 4800	6100
MCT-X-1500	1500	1170	4800	37	8400 × 8400 × 5600	11200

Ratings at standard conditions stated in the facts above. Intermediate capacities, alternative voltages and special options on request; MHM selects the model for your load, ambient and water conditions.



Selection, installation and after-sales by MHM Engineering

Send your capacity, ambient / water conditions and site drawings to sales@mhmmachineries.com or call +880 1321-206755. Every MHM unit is commissioned by our own engineers and covered by an annual maintenance contract with genuine spares stocked in Dhaka.