

MHM · MCT-R SERIES

MHM FRP Counter-Flow Cooling Tower

Round bottle-type FRP counter-flow tower, 10–1000 TR,
rotary sprinkler, PVC infill.

Origin: Assembled in Bangladesh · Category: Cooling Towers


CAPACITY
RANGE
10–1000 TR
TYPE
**Counter-flow,
induced draft**
CASING
**FRP, UV-
stabilised**
FAN MOTOR
**0.75–22 kW
IP55**
APPROACH
3–4 °C
WARRANTY
12 months

Overview

The MCT-R is the workhorse cooling tower on Bangladeshi factory roofs: a round FRP casing with a rotary sprinkler over PVC honeycomb infill and a direct-drive axial fan. Counter-flow airflow gives a close approach to wet-bulb, which matters in Dhaka summers when wet-bulb reaches 29 °C.

Towers are assembled in MHM's Mirpur workshop and delivered with hot-dip galvanised structure, drift eliminators, float valve and inlet strainer. Infill, nozzles, sprinklers, fans and motors are stocked as genuine spares.

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.

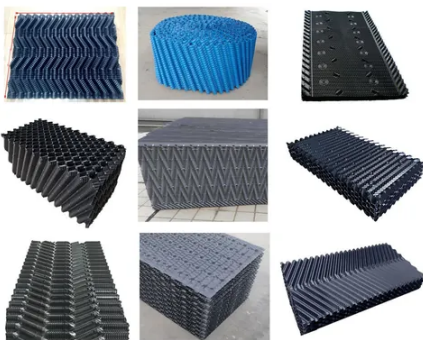
Typical applications

- Water-cooled chiller plants
- Injection moulding machines
- Steel re-rolling and induction furnaces
- Generator jacket cooling
- Air compressor after-cooling

Technical data — MCT-R Series

Model	Capacity (TR)	Water flow (m ³ /h)	Fan dia (mm)	Motor (kW)	Dia × H (mm)	Dry weight (kg)
MCT-R-050	50	39	1200	1.5	1900 × 2600	380
MCT-R-100	100	78	1500	2.2	2600 × 3000	640
MCT-R-200	200	156	2100	5.5	3600 × 3600	1150
MCT-R-300	300	234	2400	7.5	4300 × 3900	1650
MCT-R-500	500	390	3000	11	5500 × 4400	2700
MCT-R-800	800	624	3600	18.5	6900 × 5200	4300

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.