

## COOLING TOWER SERIES RANGE MNK-SMALL

The compact MNK series cooling towers enable cost effective and energy saving cooling of heat processes in plants of all kinds. The circulation water is re-cooled based on the principles of evaporation.

### CONSTRUCTION AND FUNCTIONING

The series consist of 5 sizes. All models are supplied by us ready for connection at the installation site. If required, we can carry out erection, commissioning as well as performance testing. Each model consists of an all-plastic design (GRP polyester).

The following components characterize the MNK-series:

- cold water basin (GRP polyester)
- water distribution system\*
- sprayers\*
- high efficient in fill\*
- drift eliminator\*
- \*all components in PP, temperature resistant up to 80 °C
- axial fan with GRP blades
- motor gear unit
- air inlet louvers in plastic
- all hardware in stainless steel
- complete unit is corrosion-free

The MNK series are designed to meet all kinds of operating parameters:

- high heat load
- small approach
- high inlet temperatures

- high water throughput
- minimal drift losses
- economic power consumption

Tell us your actual operating conditions and we offer you the optimum cooling tower size.

Due to special conditions, we complete our cooling towers with special features:

- outlet silencer
- inlet silencer
- noise laths basin
- winterization
- control systems



Also polluted and waste water cooling are part of our expertise.



Within our range types, we can offer you special solutions:

- standard cooling towers
- mechanical draft cell type towers
- special cooling towers
- revamp of large cooling towers of all designs, i.e. natural draft, mechanical draft, (counter flow and cross flow)
- cooling water systems

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### TECHNICAL DATA:

Size	Fan (mm)	Dimensions (mm)			Water flow (m <sup>3</sup> /h)	Heat load tf*=21°C  kW	Motor  max. kW	Sound power level  dB(A)
		Diameter	Length	Width				
MNK 16	710	1330	1330	3800	8 - 40	256 - 426	0,80 - 2,50	93
MNK 25	900	1940	1330	3850	11 - 60	384 - 698	1,25 - 4,00	93
MNK 32	1000	1940	1940	3950	17 - 90	575 - 956	1,90 - 6,00	93
MNK 45	1240	2580	1940	3950	23 - 120	767 - 1279	2,50 - 8,00	95
MNK 56	1385	2580	2580	4000	31 - 160	1023 - 1700	3,30 - 10,50	95

The above mentioned heat loads are valid when the inlet water temperature of 45 °C is cooled down to 25 °C at a wet bulb temperature of 21 °C. The dimension "H" varies, depending on the motor power.

\*tf = wet bulb temperature