technotrans

power to transform

# mako series

air-water- /water-water-chiller systems

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| model MA | | 0110 | 0230 | 0400 | 0560 | 0730 |
|---|---|---|---|---|---|---|
| effectively available cooling capacity at 50 Hz | kW | 1.1 | 2.3 | 4.0 | 5.6 | 7.3 |
| temperature stability | °C | +/-1/0,5/0,1 | | | | |
| setpoint range | °C | 15–30 | | | 15–25 | |
| flow temperature | °C | 20 | | | | |
| ambient temperature | °C | 32 | | | | |
| tank volume | l | 32 | | | 69 | |
| flow cooling medium | l/min | 10 | | 25 | | 40 |
| external pressure drop | bar | 3 | | | | |
| power supply | V/Hz | 230 V 50/60 Hz | | 400/460 V 3 Ph 50/60 Hz | | |
| refrigerant | type | R134a | | | | |
| water connections | IG | ½“ | | ¾“ | 1“ | |
| sound pressure level | dB(A) | 62 | | 61 | 60 | |
| dimensions (width / depth / height) | mm | 450x450x700 | 450x450x905 | | 600x600x1225 | |
| weight | kg | 65 | 75 | 90 | 125 | 130 |

## Equipment

– suitable for DI water or water with additives
– water bypass valve set
– temperature accuracy ≤ 0.1 K
– remote start via 24 V DC signal
– speed-controlled fanr
– level indication
– interface RS 232 etc.

## Options

– conductivity regulation and display
– ambient temperature display
– pressure measurement and display
– second flow measurement
– heating/temperature/cooling capacity measurement
– air filter
– water filters, DI-cartridge and pressure relief valve
– interface Ethernet, RS 485 etc.

## Advantages at a glance:

– add-on cooling unit
– compact and modern design
– modular construction
– low noise and vibration
– energy efficient
– multifunctional controller platform
– suitable for a variety of fluid media (water-glycol, di etc.)
– temperature stability ≤ 0,1 K
– reduced footprint

## Perfectly coordinated technology

A robust refrigeration technology, customized for the respective application is the prerequisite for a reliable, stable and economic production process.

For more than 50 years the termotek/technotrans group is a strong and competent partner for cooling, temperature control and filtration, and offers high quality system solutions for the graphics, laser and tooling industries worldwide.
In order to fulfill the increasing demands for modularity and flexibility, termotek has developed a platform, the new mako series, with which customized cooling systems can be put together using standardized modules and assemblies.

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