



## Specification of an air-cooled liquid cooling system (chiller, water chiller)

Company: \_\_\_\_\_  
Project: \_\_\_\_\_ Annual qty: \_\_\_\_\_  
Contact person: \_\_\_\_\_  
Phone: \_\_\_\_\_  
E-Mail: \_\_\_\_\_  
Author: \_\_\_\_\_ Date: \_\_\_\_\_

### Application description: (please add sketch)

### Ambient and installation conditions

Location:  Indoor  Outdoor  
Is the application locally higher up to the chiller? Yes  No, on the same level   
Geographical altitude (if known): \_\_\_\_\_ üNN  
Ambient contamination/pollution(if any): \_\_\_\_\_

### Technical requirement/data

Required cooling load: \_\_\_\_\_ kW  
Water Outlet Temperature: \_\_\_\_\_ °C  
Water Inlet Temperature: \_\_\_\_\_ °C  
Ambient temperature: \_\_\_\_\_ °C  
Power voltage: \_\_\_\_\_ V Phases: \_\_\_\_\_ PH Frequency: \_\_\_\_\_ Hz

### Temperature stability & control

Temperature stability: (at part load)  
(Standard  $\pm 2$  K):   $\pm 0,5$  K   $\pm 1,0$  K  
Control mode:  fixes set point (Standard)  "ambient tracking" (differential temperature control)

### Pump specification

Volume flow: \_\_\_\_\_ l/min  
Pressure head: \_\_\_\_\_ bar

### Heat transfer fluid/coolant

Coolant  water-glycol glycol-content \_\_\_\_\_ %  
 mineral oil ISO \_\_\_\_\_ / \_\_\_\_\_ cSt  
Certification/approval:  CE  EAC others \_\_\_\_\_



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### Additional data:

#### Configuration/accessories

- Liftung lugs / eye-bolts
- Automatic hydraulic bypass
- External flow switch
- Tank level switch
- Air filter, aluminium
- Shut-off valve (nonreturn-valve+solenoid-valve)
- Castors (wheels)
- Inline-filter coolant (cartridge mesh filter)
- Frame colour (Standard RAL 7035):
- Stainless steel housing
- Ironless water circuit
- Automatic tank refill function
- Without cooling tank
- Without coolant circulation pump
- Heater
- Dust-tight tank (not vacuum)

#### Notes:

\_\_\_\_\_

\_\_\_\_\_

**Set-point:** \_\_\_\_\_

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#### Electric

- Industrial connector
- Remote power control on/off
- Modbus RTU connection
- Phase sequence relay/Phase sequence monitoring

#### Others/more desires:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Missing information in the inquiry is substituted with acceptances, for this we assume no liability!

**Please send back filled out by email to [info@mbi-gmbh.de](mailto:info@mbi-gmbh.de) or by fax to 0049 72 51/ 30 20 409.  
Thank you!**