

Water Chiller

TT-108'000

Air cooled water chiller
for individual machines or multi-machine applications

For water temperatures from +10°C up to +40°C,
at ambient temperatures up to +45°C

Suitable for high ambient air and tropical installations

No unnecessary water
consumption due to a
closed water circuit



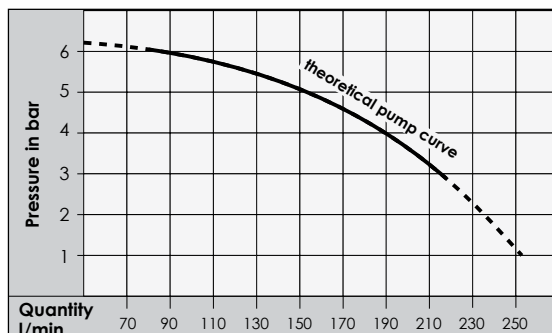
Operating principle

Two-pump system. One pump for internal circuit and one for the external circuit to the consumer. The unit is equipped with a corrosion free water tank with a content of approx. 360 litres. Once the water has cooled down to the required temperature, the compressor cuts out. It switches on again after the temperature has increased.

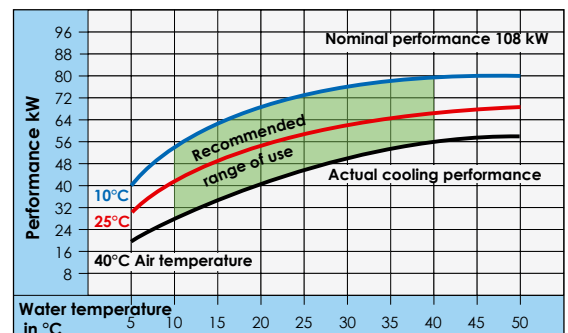
- Self-optimizing microprocessor controller with digital display of the set and actual temperature. With high precision regulation in $1/10^{\circ}$ range; can be adjusted to read °C or °F.
- All components in contact with water are made of corrosion resistant stainless steel.
- Long life expectancy due to the electronic control of the compressors operating time.
- Automatic or manual water refill.
- Automatic level control with prewarning at low water level.
- Horn in case of failure.
- All failures are visually indicated.



Pump capacity



Cooling capacity



TOOL-TEMP

HEADQUARTERS & MANUFACTURER

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Technical data

Temperature control	self-optimizing, electronic microprocessor controller MP-888 with digital display of the set and actual value. Automatic temperature monitoring.	
Cooling capacity <i>Nominal</i>	108 kW - see diagram	
Temperature range <i>Circulating water</i>	+10°C up to +40°C	
<i>Air temperature</i>	+2°C up to +45°C	
Content water tank	approx. 360 l	
Refrigerating agent	R-134a	
Pump capacity <i>External circuit</i>	at 100 l/min 6 bar;	at 190 l/min 4 bar
<i>Internal circuit</i>	approx. 200 l/min	
Compressor	hermetically sealed	
Condenser	air cooled, air inlet located on the side, blow out located on the top	
Air volume	2 x 8'000 m ³ /h (not relevant to WK)	
Power consumption	approx. 35 kW	
Connections <i>To mould</i>	1½" BSP female thread	
<i>From mould</i>	2" BSP female thread	
<i>Automatic water refill</i>	¾" BSP female thread	
<i>Drain</i>	1" BSP female thread	
<i>Cooling water in/out</i>	1" BSP female thread (only at WK)	
Dimensions (L×W×H)	2'000 × 1'300 × 2'090 mm, incl. feet	
Noise level (in 3 m distance)	70 dBA	
Weight	1'160 kg empty	
Colour	silvergrey RAL 7001	

TT-108'000 WK:

The same model is also available as water cooled version.

Required cooling water: minimum 1,5 bar water pressure.

With cooling tower water (approx. 30°C) approx. 130 l/min cooling water consumption

With tap water (approx. 10 - 15°C) approx. 50 - 75 l/min cooling water consumption

Electronic temperature controller MP-888

The electronic controller can be adjusted to indicate °C or °F. The upper turning on point and lower turning off point (hysteresis) of the temperature band can be adapted. Due to this, the time range between the start and stop point of the compressor is wider and the compressor has a longer life expectancy.



Set temperature / required temperature
Adjustable in 1/10° range

Actual temperature (effective temperature) displayed in 1/10° range