

TT-29'800 WK

Chiller

Water-cooled system for low working temperatures with water glycol:
from -25°C to +25°C



Temperature range -25°C up to +25°C

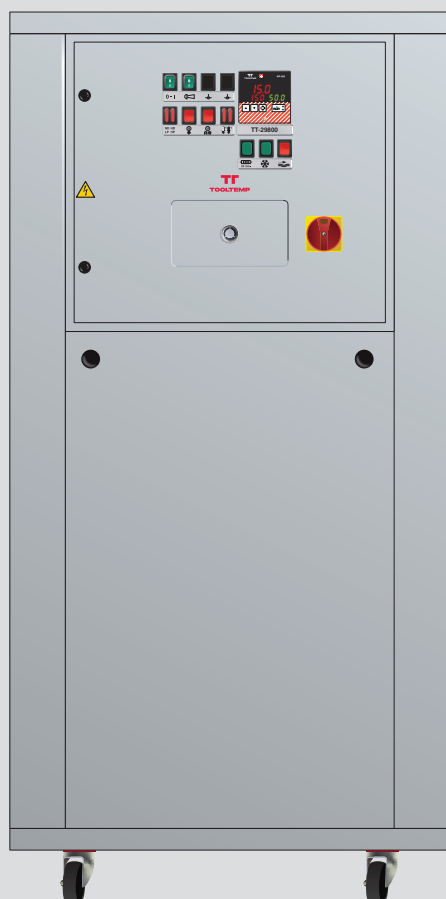
Cooling capacity **54 kW** nominal

Heating capacity **12 kW**

Pump capacity 140 l/min; max. 4.8 bar

Refrigerating agent R-404a

Ambient temperature up to +45°C



Functions

- Self-optimizing temperature controller with temperature display 1/10°C – steps
- Display in °C or °F and l/min or gal/min
- Digital flow display and monitoring
- Automatic or manual refill

Working principle

- As soon as the water supply in the unit has reached the required temperature, the compressor switches off until the temperature rises again
- The switch-on point can be programmed on the digital controller
- The circulation pump continues to run continuously

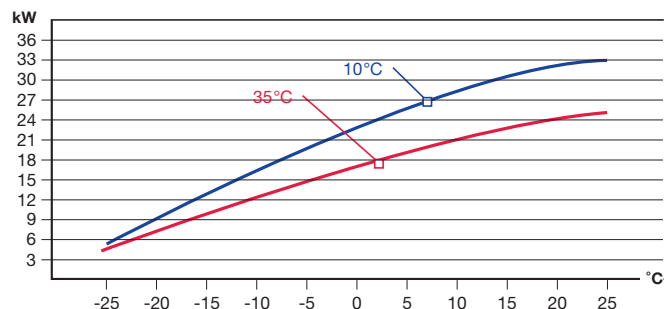
Construction

- Proven pump with mechanical seal
- Long life expectancy due to the electronic control of the compressors operating time
- All parts in contact with water are made of stainless steel or bronze
- Unit on Castors

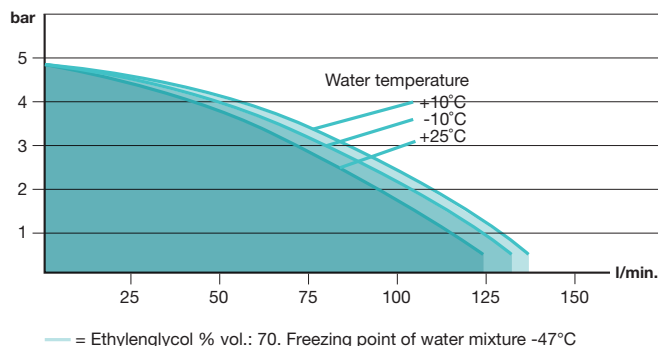
Safety features

- Automatic level control with prewarning at low water level
- Electronic temperature limitation and monitoring in the controller
- Mechanical safety thermostats
- Visual and acoustic fault indications
- Integrated circuit breakers
- Main switch, transformer and motor protection switch

Cooling capacity



Pump capacity



Technical data

Product attribute	Unit	TT-29'800 WK
Temperature control		Self-optimizing, electronic microprocessor controller MP-888 with digital display of the set and actual value. Automatic temperature monitoring.
Flow control		Electronically, with digital display and automatic control of the minimum flow.
Cooling capacity (Nominal capacity)	kW	54 kW – see diagram
Temperature range	°C	-25°C up to +25°C
Content water tank	l	Min. 120 litres, max. 170 litres
Refrigerating agent		R-404a
Pump capacity		Max. 4.8 bar / max. 140 l/min - see pump diagram
Compressor		Hermetically sealed
Condenser		Water cooled
Required water amount		Approx. 60 - 90 l/min with cooling tower water at max. 35°C approx. 40 - 50 l/min with tap water at 10-15°C
Power consumption	kW	Approx. 15 kW
Connections		
To mould		1" BS female thread
From mould		1" BS female thread
Drainage		½" BS female thread
Cooling water		
Inlet		1" BS female thread
Outlet		1" BS female thread
Dimensions (L×W×H)	mm	1'100×790×1'660 mm, inclusive castors
Noise Level (in 3 m distance)	dBA	66 dBA
Weight	kg	Approx. 390 kg empty
Colour		Silvergry RAL 7001