

TT-510 X

Oil temperature control unit

Heating and cooling device for large consumers



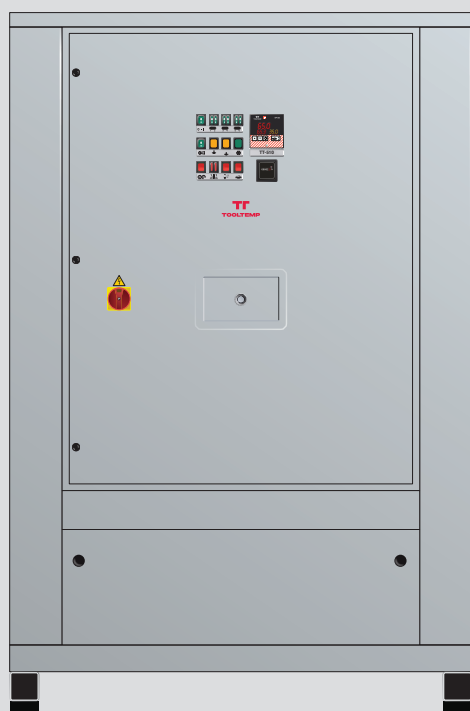
Oil from 80°C to 300°C

Heating capacity **96 kW**

Cooling capacity **480 kW**

Cooling system indirect

Applications: rollers, plates, large consumers



Functions

- Self-optimizing temperature controller with temperature display 1/10°C – steps
- Display in °C to or °F and l/min or gal/min
- Digital flow display and monitoring
- Automatic temperature control
- Heating switchable in stages
- Heaters with cascade connection
- Pressure display

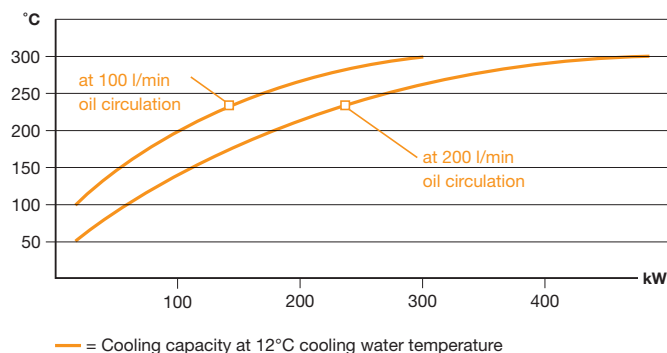
Construction

- High-performance centrifugal pump
- Hot oil circuit with bypass, which ensures the internal oil circulation when the valves are closed
- Limescale free heat exchanger
- No cracking of the oil thanks to special heating construction
- Expansion tank with drip pan
- Unit on adjustable feet

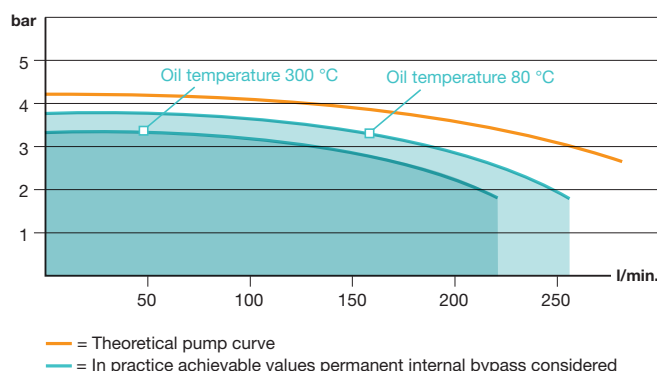
Safety features

- Level control for dry run protection
- Expansion vessel with safety shut-off in case of overflow
- 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

Produkt attribute	Einh.	TT-510 X
Temperature range	°C	Up to 300°C with heat transfer oil TOOL-THERM SH-3
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.
Heating capacity	kW	96 kW
Switchable in stages		16/16/16/16/16/16 Automatic switching of the required heating power
Cooling capacity		Max. 480 kW - see diagram
Cooling water consumption		110 l/min (minimum 40 l/min, but leads to strong reduction of cooling capacity)
Pump capacity		
Motor	kW	4 kW
Pressure mode		Max. 4 bar / max. 260 l/min – see diagram
Expansion tank capacity		130 litres
Filling amount		125 litres
Expansion volume		100 litres
Connections		
Oil circuit		Flange connection DN 32, flange outside Ø 140 mm, with 4 holes Ø 18 mm on a screw hole circle of 100 mm, recommended sealing: 80 x 42 x 2 mm
Cooling water		1½" BSP female thread (required water pressure 1.5 - 4 bar)
Dimensions (L×W×H)	mm	2'150×1'300×1'950 mm, incl. adjustable feet
Weight	kg	Approx. 845 kg empty
Colour		Silvergrey RAL 7001