

TT-510 X

Oil temperature control unit

Heating and cooling device for large consumers



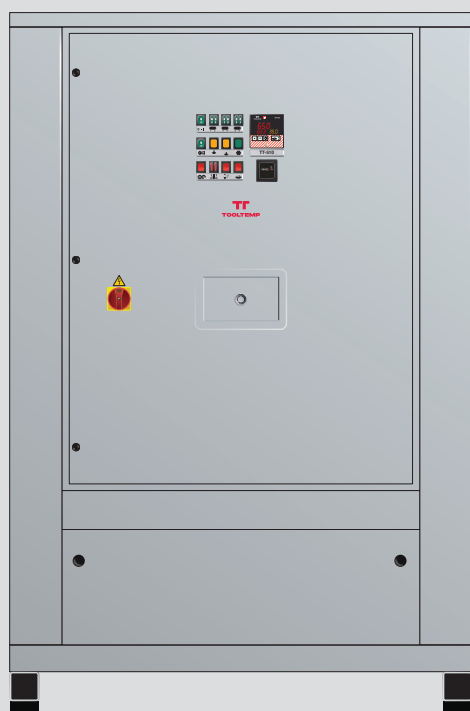
Oil from 80°C to 300°C

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

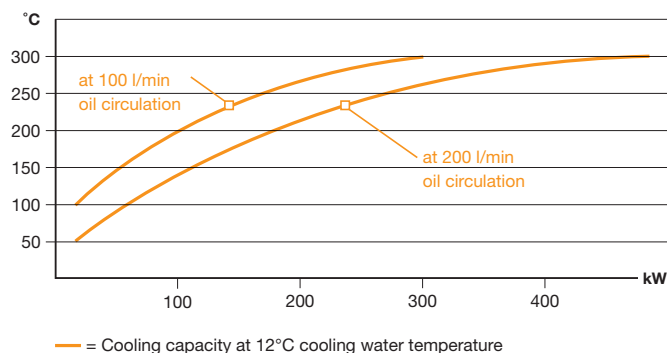
Construction

- 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

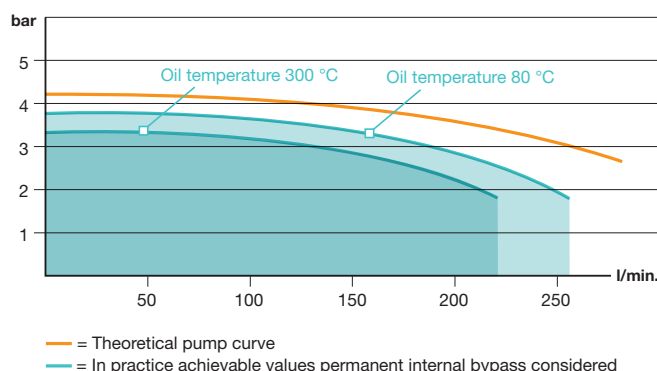
Safety features

- 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 |