

TT-708 Y

Oil temperature control unit

Heating and cooling device for large consumers

- with high flow rate and big expansion tank



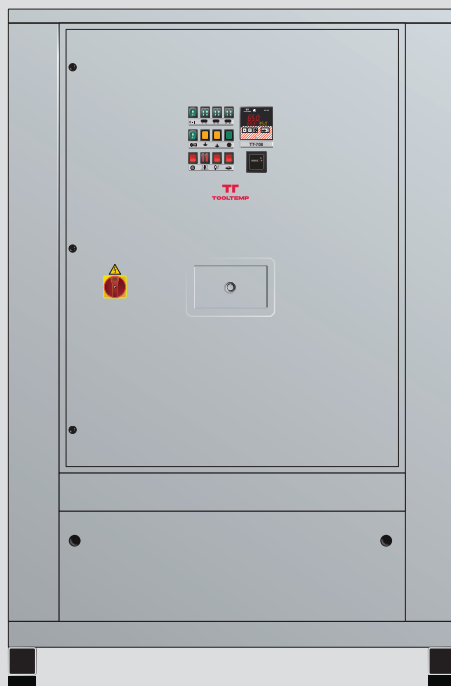
Oil up to 300°C

Heating capacity **72 kW | 120 kW | 144 kW**

Cooling capacity **600 kW**

Cooling system indirect

Applications: rollers, plates, large consumers



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 temperature control
- Heating switchable in stages
- Heaters with cascade connection
- Pressure display
- With pressure regulation

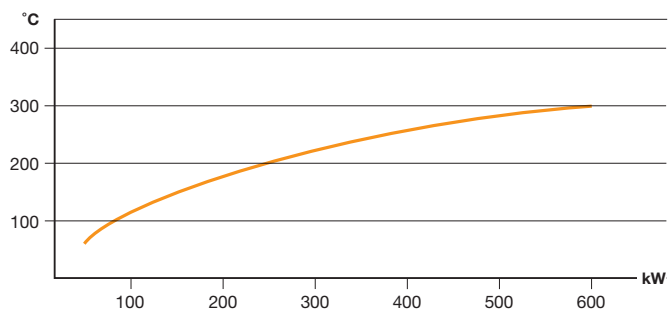
Construction

- 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

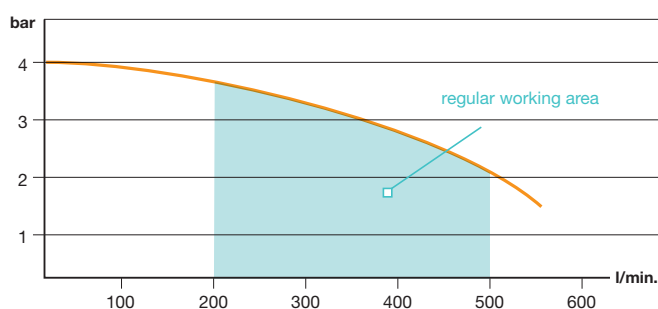
- Level control for dry run protection
- Expansion vessel with safety shut-off in case of overflow
- Electronic temperature limitation and monitoring in the controller
- Mechanical safety thermostats
- Visual and acoustic fault indications
- Integrated circuit breakers
- Main switch, transformer and motor protection switch

Cooling capacity



— = Cooling capacity at 12°C cooling water temperature depending on the cooling water quantity and effective oil flow fluctuations up and down possible

Pump capacity



— = In practice achievable values permanent internal bypass considered

Technical data

| Product attribute | Unit | TT-708 Y | | |
|---|------|--|-------------------|-------------------|
| 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 | 72 kW | 120 kW | 144 kW |
| Switchable in stages | | 16/16/16/8/8/8 | 24/24/24/16/16/16 | 32/32/32/16/16/16 |
| | | Automatic switching of the required heating power | | |
| Cooling capacity | | Approx. 600 kW - see diagram | | |
| Pump capacity | | | | |
| Motor | kW | 7.5 kW | | |
| Pressure mode | | Max. 4 bar / max. 200 - 500 l/min - see diagram | | |
| Expansion tank capacity | | 130 litres | 130 litres | 130 litres |
| Filling amount | | 100 litres | 200 litres | 100 litres |
| Expansion volume | | 100 litres | 100 litres | 100 litres |
| Frequency inverter for regulation of pressure | | Yes | Yes | Yes |
| Connections | | | | |
| Oil circuit | | Flange connection DN 50, flange outside Ø 165 mm, with 4 holes Ø 18 mm on a screw hole circle of 125 mm, recommended sealing: 100 x 60 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 | | Approx. 1'100 kg | Approx. 1'270 kg | Approx. 1'270 kg |
| Colour | | Silvergrey RAL 7001 | | |