

# TT-708 Y

## Oil temperature control unit

Heating and cooling device for large consumers

- with high flow rate and big expansion tank



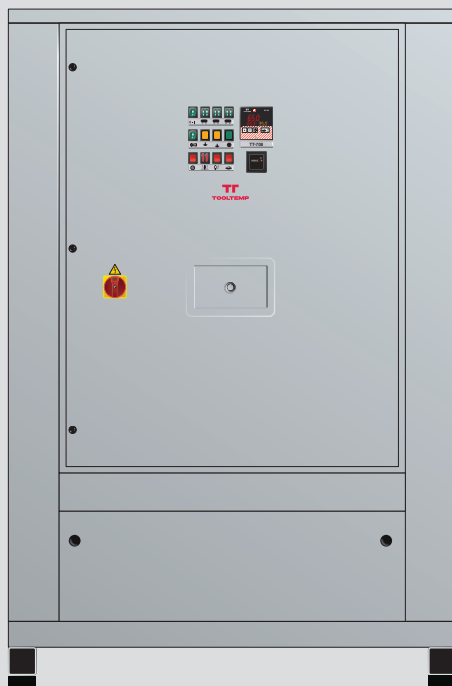
Oil up to 300°C

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

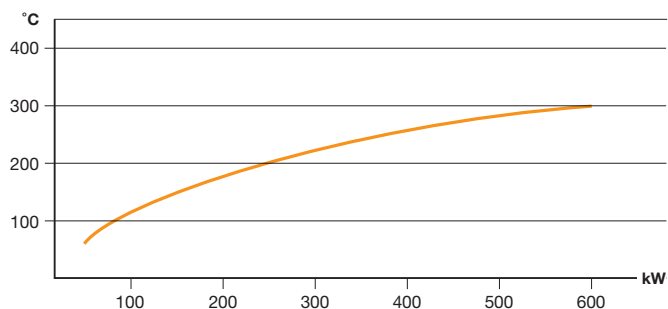
## Construction

- 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

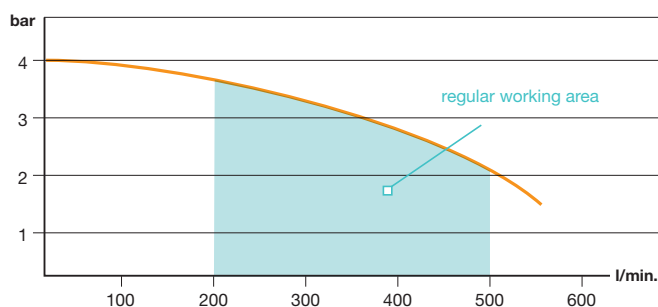
- Level control for dry run protection
- Expansion vessel with safety shut-off in case of overflow
- Electronic temperature limitation and monitoring in the controller
- Mechanical safety thermostats
- Visual and acoustic fault indications
- Integrated circuit breakers
- Main switch, transformer and 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	<b>72 kW</b>	<b>120 kW</b>	<b>144 kW</b>
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. <b>600 kW</b> - 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		