

TT-508 X

Oil temperature control unit

Heating and cooling device for large consumers



Oil from 176°F to 572°F

Heating capacity

81'891 BTU/hr

163'783 BTU/hr

Cooling capacity **480 kW**

Cooling system indirect

Applications: rollers, plates, large consumers



Functions

- Self-optimizing temperature controller with temperature display 1/10°F – 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

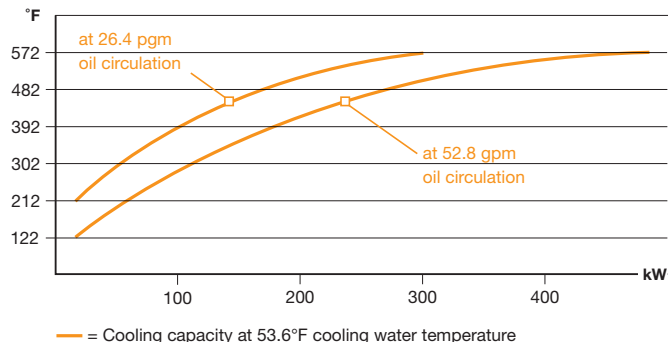
Construction

- 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

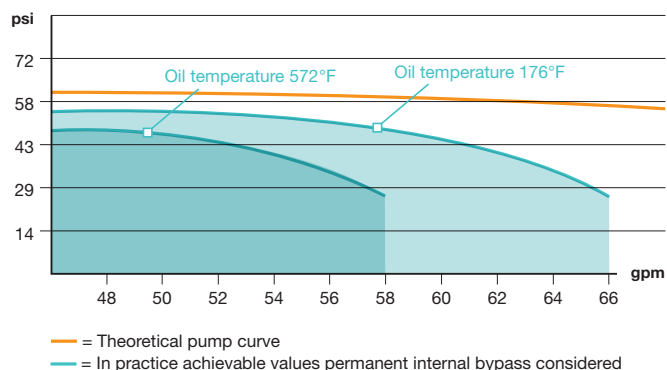
Safety features

- 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

Product attribute	Unit	TT-508 X	
Temperature range	°F	Up to 572°F 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	BTU/hr	81'891 BTU/hr	163'782 BTU/hr
Switchable in stages		8/8/8	8/8/8/8/8/8
		Automatic switching of the required heating power	
Cooling capacity		Max. 480 kW - see diagram	
Cooling water consumption		29 gpm (minimum 10.5 gpm, but leads to strong reduction of cooling capacity)	
Pump capacity			
Motor	HP	5.4 HP	
Pressure mode		Max. 58 psi / max. 69 gpm – see diagram	
Expansion tank capacity		25.3 gallons	
Filling amount		19.8 gallons	
Expansion volume		19.8 gallons	
Connections			
Oil circuit		Flange connection DN 32, flange outside Ø 5.5 inch, with 4 holes Ø 0.7 inch on a screw hole circle of 3.9 inch, recommended sealing: 3.1 x 1.6 x 0.07 inch	
Cooling water		1½" NPT female thread (required water pressure 21.7 - 58 psi)	
Dimensions (LxWxH)	inch	67.3x31.1x60.6 inch, incl. adjustable feet	
Weight	lbs	Approx. 1'146 lbs empty	
Colour		Silvergrey RAL 7001	