

# TT-510 X

## Oil temperature control unit

Heating and cooling device for large consumers



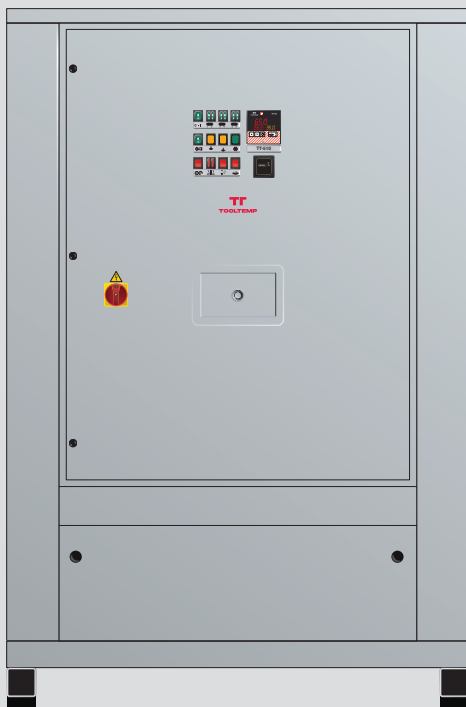
Oil from 176°F to 572°F

Heating capacity **327'565 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 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

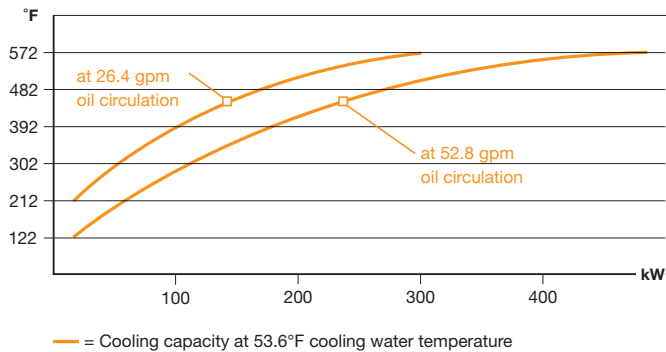
## Construction

- 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

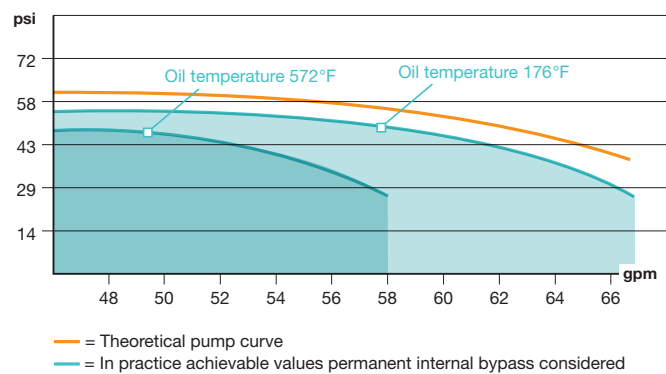
## Safety features

- 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	°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	kW	<b>327'565 BTU/hr</b>
Switchable in stages		16/16/16/16/16/16 Automatic switching of the required heating power
Cooling capacity		Max. <b>480 kW</b> - 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		23.4 gallons
Filling amount		33 gallons
Expansion volume		26.4 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	84.7x51.2x76.8 inch, incl. adjustable feet
Weight	lbs	Approx. 1'863 lbs empty
Colour		Silvergrey RAL 7001