

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 572°F

Heating capacity

245'674 BTU/hr

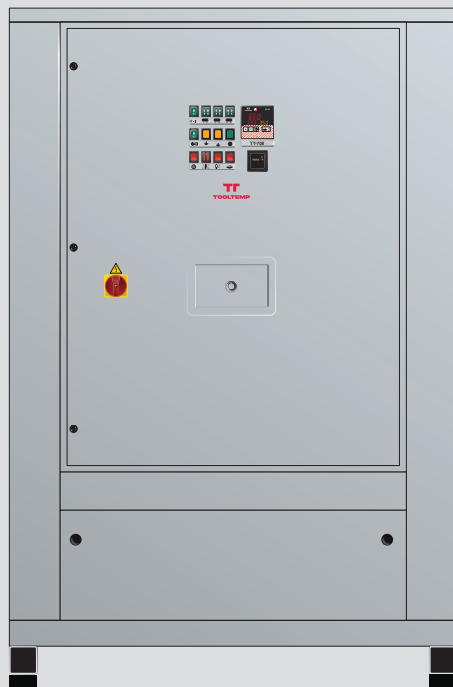
409'457 BTU/hr

491'348 BTU/hr

Cooling capacity **600 kW**

Cooling system indirect

Applications: rollers, panels, 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
- With pressure regulation

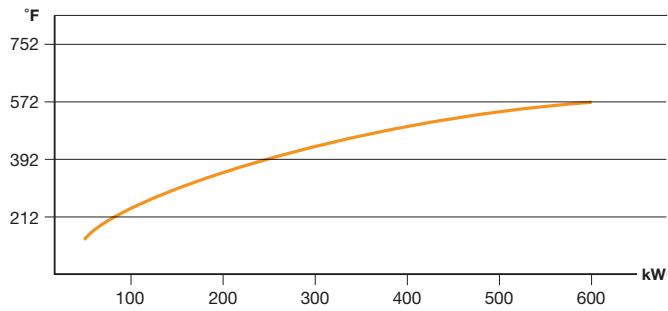
Construction

- 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

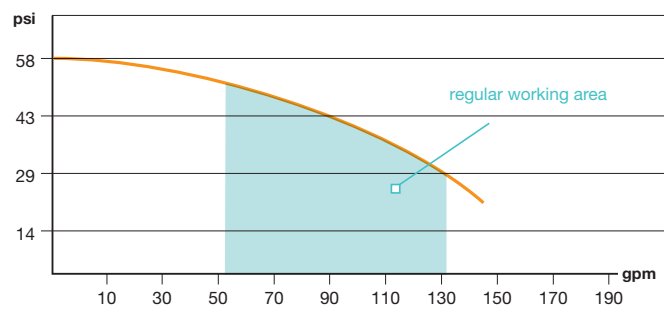
- Level control for dry run protection
- Expansion vessel with safety shut-off in case of overflow
- Electronic temperature limitation and monitoring in the controller
- Mechanical safety thermostats
- Visual and acoustic fault indications
- Integrated circuit breakers
- Main switch, transformer and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

Cooling capacity



— = Cooling capacity at 53.6°F 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	°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	245'674 BTU/hr	409'457 BTU/hr	491'348 BTU/hr
Switchable in stages		16/16/16/8/8/8	24/24/24/16/16/16	32/32/32/16/16/16
Cooling capacity	kW	Approx. 600 kW - see diagram		
Pump capacity				
Motor	HP	10.1 HP		
Pressure mode		Max. 58 psi / approx. 53 - 132 gpm - see diagram		
Expansion tank capacity		34.3 gallons	34.3 gallons	34.3 gallons
Filling amount		26.4 gallons	52.8 gallons	52.8 gallons
Expansion volume		26.4 gallons	26.4 gallons	26.4 gallons
Frequency inverter for regulation of pressure		Yes	Yes	Yes
Connections				
Oil circuit		Flange connection DN 50, flange outside Ø 6.5 inch, with 4 holes Ø 0.7 inch on a screw hole circle of 5 inch, recommended sealing: 4 x 2.3 x 0.07 inch		
Cooling water circuit		1½" NPT female thread (required water pressure 21.7 - 58 psi)		
Dimensions (LxWxH)	inch	84.7x51.2x76.8 inch		
Weight	lbs	Approx. 2'425 lbs	Approx. 2'800 lbs	Approx. 2'800 lbs
Colour		Silvergrey RAL 7001		