

# TT-14'500 H

## Chiller

Air-cooled chiller

- with switchable heating
- with flow control
- water cooled version available



Temperature range +50°F up to +104°F

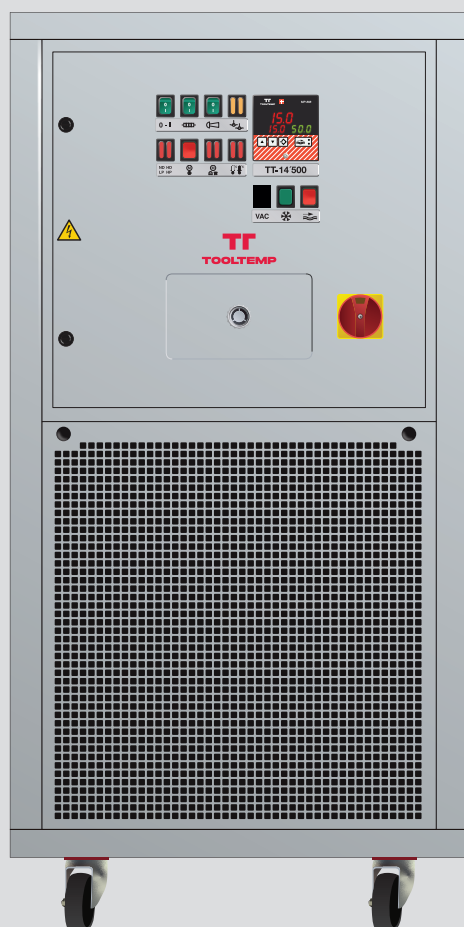
Cooling capacity **4 Rt** nominal

Heating capacity **20'473 BTU/hr**

Pump capacity 20 gpm; max. 123 psi

Refrigerating agent R-134a

Ambient temperature up to +113°F



## 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
- Integrated heating
- Automatic or manual refill

## Working principle

- The cooling compressor cools the content of the water tank to a required temperature
- The resultant heat leaves the unit through the rear and the side panels

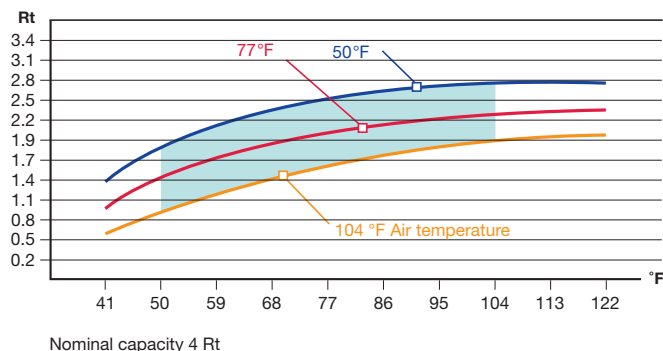
## Construction

- Submersible sealless pump made from bronze
- Long life expectancy due to the electronic control of the compressors operating time
- All parts in contact with water are made of stainless steel or bronze
- Unit on castors

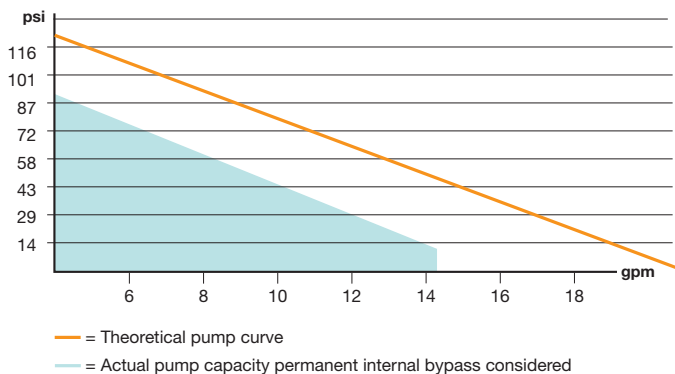
## Safety features

- Automatic level control with prewarning at low water level
- 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-14'500 H
<b>Temperature control</b>		Self-optimizing, electronic microprocessor controller MP-888 with digital display of the set and actual value. Automatic temperature monitoring.
<b>Flow control</b>		Electronically, with digital display and automatic control of the minimum flow.
<b>Cooling capacity</b> (Nominal capacity)	Rt	<b>4 Rt</b> – see diagram
<b>Temperature range</b>		
Circulating water	°F	+50°F up to +104°F
Air temperature	°F	+35.6°F up to +113°F
<b>Heating</b>	BTU/hr	<b>20'473 BTU/hr</b> , manual switchable
<b>Content water tank</b>	gal.	Approx. 13.2 gallons
<b>Refrigerating agent</b>		R-134a
<b>Pump capacity</b>		Max. 123 psi / max. 20 gpm - see pump diagram
<b>Compressor</b>		Hermetically sealed
<b>Condenser</b>		Air cooled, air inlet located on the front, blow out located on the side/rear
<b>Air volume</b>	cfm	1'677 cfm (not relevant to WK water-cooled)
<b>Power consumption</b>	kW	Approx. 8 kW (heating mode approx. 8 kW, cooling mode approx. 5 kW)
<b>Connections</b>		
To/from mould		¾" NPT female thread
Automatic water refill		¾" NPT female thread
Drainage		¾" NPT female thread
Cooling water (WK)		
Inlet		¾" NPT female thread (only at WK water-cooled)
Outlet		¾" NPT female thread (only at WK water-cooled)
<b>Dimensions (LxWxH)</b>	inch	37.4x26x51.2 inch, incl. castors
<b>Noise level (in 9.8 feet distance)</b>	dBA	68 dBA
<b>Weight</b>	lbs	419 lbs empty
<b>Colour</b>		Silvergrey RAL 7001, optional: stainless steel housing, not varnished

**TT-14'500 WK:** The same model is also available as a water cooled version.

Required cooling water: min. 21.7 psi water pressure

With cooling tower water (approx. 86°F) approx. 5.2 - 10.5 gpm cooling water consumption

With tap water (approx. 50 - 59°F) approx. 2.6 - 5.2 gpm cooling water consumption