

# TT-216'000

## Chiller

- two-pump system
- suitable for high ambient temperatures
- water cooled version available
- optional without tank



Temperature range +50°F up to +104°F

Cooling capacity **61.4 Rt** nominal

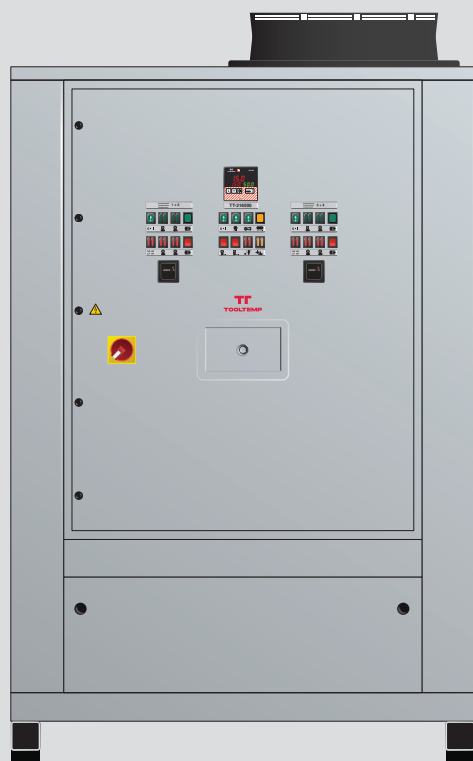
Pump capacity

53 gpm 73 psi

106 gpm 51 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 or °F and l/min or gal/min
- Automatic or manual refill

## Working principle

- Two-pump system: one pump controls the internal circuit, the other is responsible for the water circuit to the consumer
- The compressor cools the water supply in the unit to a required temperature
- The resulting warm exhaust air is blown upwards by fans

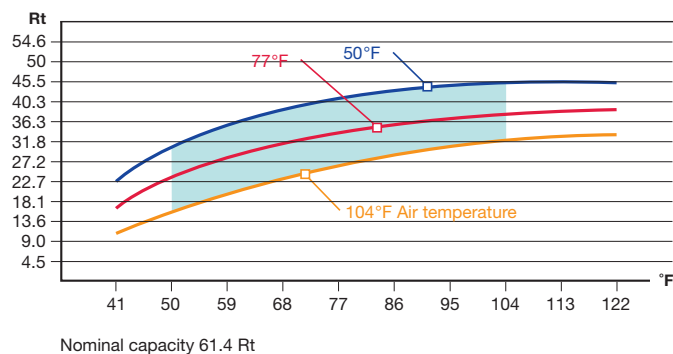
## Construction

- Proven pump with mechanical seal
- 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 adjustable feet

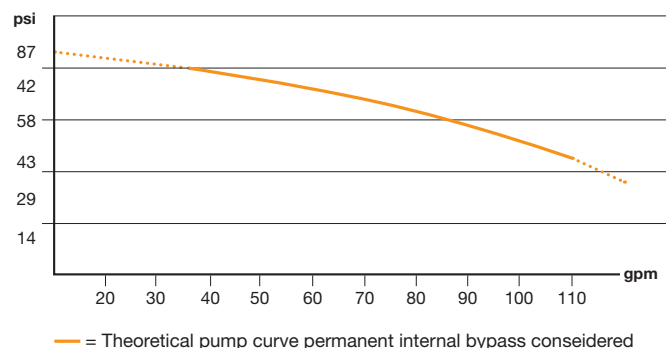
## Safety features

- 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-216'000
<b>Temperature control</b>		Self-optimizing, electronic microprocessor controller MP-888 with digital display of the set and actual value. Automatic temperature monitoring.
<b>Cooling capacity</b> (Nominal capacity)	Rt	61.4 Rt - 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>Content water tank</b>	gal.	Approx. 158.5 gallons
<b>Refrigerating agent</b>		R-134a
<b>Pump capacity</b>		
External circuit		At 53 gpm 73 psi; at 106 gpm 51 psi – see diagram
Internal circuit		Approx. 132 gpm
<b>Compressor</b>		Hermetically sealed
<b>Condenser</b>		Air cooled, air inlet located on the side, blow out located on the top
<b>Air volume</b>		4 x 4'409 cfm (not relevant to WK water cooled)
<b>Power consumption</b>	kW	Approx. 66 kW
<b>Connections</b>		
To mould		2" NPT female thread
From mould		2" NPT female thread
Automatic water refill		3/8" NPT female thread
Drainage		1" NPT female thread
Cooling water (WK)		
Inlet		2" NPT female thread (only at water-cooled)
Outlet		2" NPT female thread (only at water-cooled)
<b>Dimensions (LxWxH)</b>	inch	131.9x51.2x82.3 inch, incl. adjustable feets
<b>Noise level</b> (in 9.8 feet distance)	dBA	70 dBA
<b>Weight</b>	lbs	4'497 lbs empty
<b>Colour</b>		Silvergrey RAL 7001

**TT-216'000 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. 54.4 gpm cooling water consumption

with tap water (approx. 50 - 59°F) approx. 26.4 - 39.6 gpm cooling water consumption.