

TT-108'000

Chiller

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



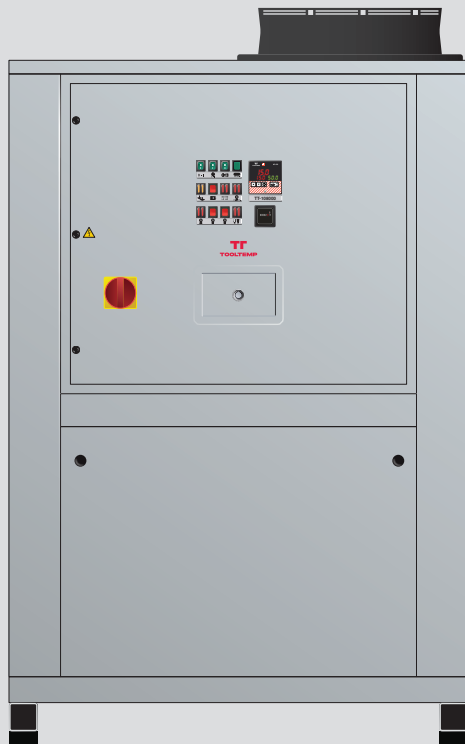
Temperature range +50°F up to +104°F

Cooling capacity **30.7 Rt** nominal

Pump capacity
26 gpm, 87 psi
53 gpm, 58 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

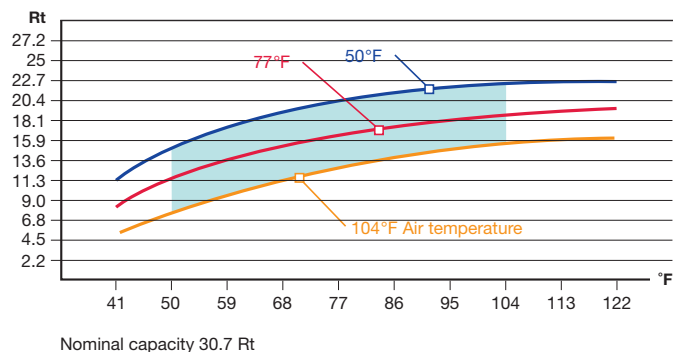
Construction

- 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

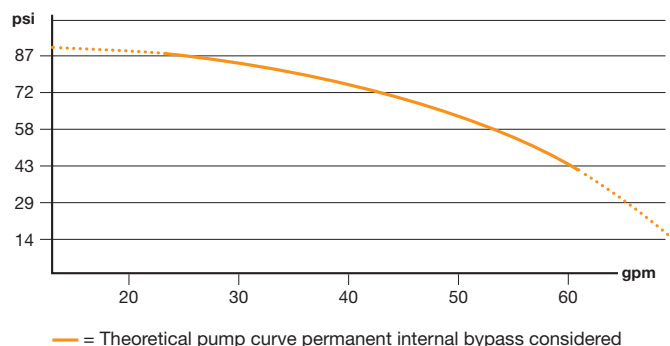
Safety features

- 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 attributes	Unit	TT-108'000
Temperature control		Self-optimizing, electronic microprocessor controller MP-888 with digital display of the set and actual value. Automatic temperature monitoring.
Cooling capacity (Nominal capacity)	Rt	30.7 Rt - see diagram
Temperature range		
Circulating water	°F	+50°F up to +104°F
Air temperature	°F	+35.6°F up to +113°F
Content water tank	gal.	approx. 95.1 gallons
Refrigerating agent		R-134a
Pump capacity		
External circuit		At 26 gpm 87 psi; at 53 gpm 58 psi – see diagram
Internal circuit		Approx. 52.8 gpm
Compressor		Hermetically sealed
Condenser		Air cooled, air inlet located on the side, blow out located on the top
Air volume		2 x 4'709 cfm (not relevant to WK)
Power consumption	kW	Approx. 35 kW
Connections		
To mould		1½" NPT female thread
From mould		2" NPT female thread
Automatic water refill		¾" NPT female thread
Drainage		1" NPT female thread
Cooling water (WK)		
Inlet		1" NPT female thread (only at water-cooled)
Outlet		1" NPT female thread (only at water-cooled)
Dimensions (LxWxH)	inch	78.7x51.2x82.3 inch, incl. adjustable feet
Noise level (in 9.8 feet distance)	dBA	70 dBA
Weight	lbs	2'557 lbs empty
Colour		Silvergrey RAL 7001

TT-108'000 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. 34.3 gpm cooling water consumption
 with tap water (approx. 50 - 59°F) approx. 13.2 - 19.8 gpm cooling water consumption.