

TT-300'000

Closed cooling tower

Closed cold water circuit without cooling compressor

- ideal addition to the extension of a refrigeration plant
- for outdoor or indoor use



Cooling capacity **300 kW** nominal

Power consumption approx. **6.8 kW**

Pump capacity approx. 600 l/min



Working principle

- The unit is equipped with two stainless steel heat exchangers placed laterally
- Four high-performance fans on the top of the unit generate an air flow through the heat exchangers
- The cold ambient air circulates through the heat exchangers and detract heat out of the process water
- The air is blown out on top of the unit by the fans
- A suction tank is installed before the pump it guarantees a problem free working of the unit and prevents the pump from dry run

Advantages of a closed cooling tower

- On contrary to an open cooling tower there is no cooling water consumption
- The close system also prevents the cooling water circuit from being soiled
- The water temperature depends on the ambient air temperature
- Therefore the reachable temperature of the circulating water is approx. 10°C - 15°C higher than the air temperature

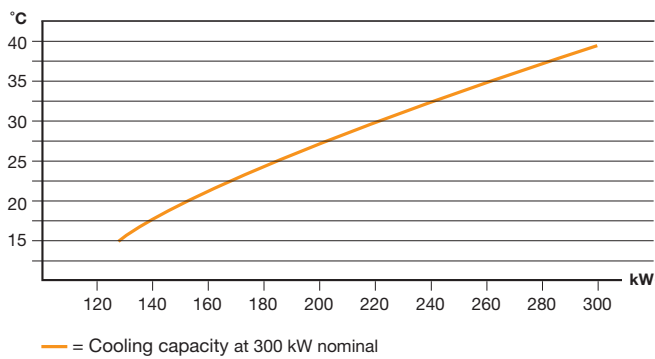
External control panel



Particularities

- The heat exchangers and die pipe work are completely manufactured from stainless steel
- Separate control panel for inside use
- The max. air temperature until the dry cooling tower should run is adjustable on the upper controlling instrument

Cooling capacity



Device installation

Installation

The model TT-300'000 is designed for:

- Outside use
- Roof protection during winter times is recommended
- Separate control panel for inside use

Technical data

Product attribute	Unit	TT-300'000
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)	kW	300 kW - see diagram
Heat exchanger		Made of stainless steel
Pump capacity		Approx. 600 l/min. with suction device for ground tank
Ventilators		4 pieces, each with 1,1 kW power consumption. Air inlet located on side, blow out located on top.
Air volume		4 x 8'000 m ³ /h
Power consumption	kW	Approx. 6,8 kW
System		Separate water tank with process pump from water tank to consumer is required
Dimension (L×W×H)	mm	3'350×1'300×2'090 mm, incl. adjustable feet
Noise level (in 3 m distance)	dBA	68 dBA
Weight	kg	1'400 kg empty
Control panel		Delivered for separate inside use
Colour		Silvergrey RAL 7001

