

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 **85.3 Rt** nominal

Power consumption approx. **6.8 kW**

Pump capacity approx. 158.5 gpm



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. 50°F - 59°F higher than the air temperature

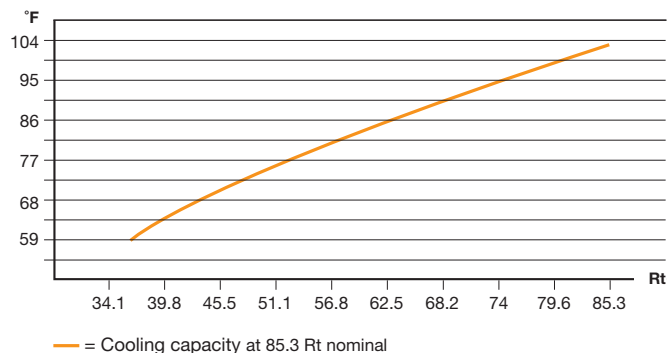
Particularities

- 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

External control panel



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) | Rt | 85.3 Rt - see diagram |
| Heat exchanger | | Made of stainless steel |
| Pump capacity | | Approx. 158.5 gpm 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 4'709 cfm |
| 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) | inch | 131.9×51.2×82.3 inch, incl. adjustable feet |
| Noise level (in 9.8 feet distance) | dBA | 68 dBA |
| Weight | lbs | 3'086 lbs empty |
| Control panel | | Delivered for separate inside use |
| Colour | | Silvergrey RAL 7001 |

Operating principle

