



### Construction

Close-coupled peripheral pumps (regenerative pumps) with turbine impeller.  
 T, TP: version with pump casing and lantern bracket in cast iron.  
 B-T, B-TP: version with pump casing and lantern bracket in bronze (the pumps are supplied fully painted).

### Applications

For clean liquids without abrasives, without suspended solids, non-explosive, non-aggressive for the pump materials.  
 For increasing network pressure (follow local specifications).  
 For the reduced dimensions, these pumps are very well suitable to be mounted in cooling and air-conditioning machines and equipments, circulation, boiler feed.

### Operating conditions

Liquid temperature from -10 °C to +90 °C.  
 Ambient temperature up to 40 °C.  
 Total suction lift up to 7 m.  
 Continuous duty.

### Motor

2-pole induction motor, 50 Hz ( $n \approx 2900$  rpm).  
**T, TP:** three-phase 230/400 V  $\pm 10\%$  up to 3 kW;  
 400/690 V  $\pm 10\%$  from 4 to 7,5 kW;  
**TM, TPM:** single-phase 230 V  $\pm 10\%$  with thermal protector.  
 Capacitor inside the terminal box.  
 Insulation class F.  
 Protection IP 54.

**Classification scheme IE3 for three-phase motors from 0,75 kW.**  
 Constructed in accordance with: EN 60034-1; EN 60034-30.  
 EN 60335-1, EN 60335-2-41.

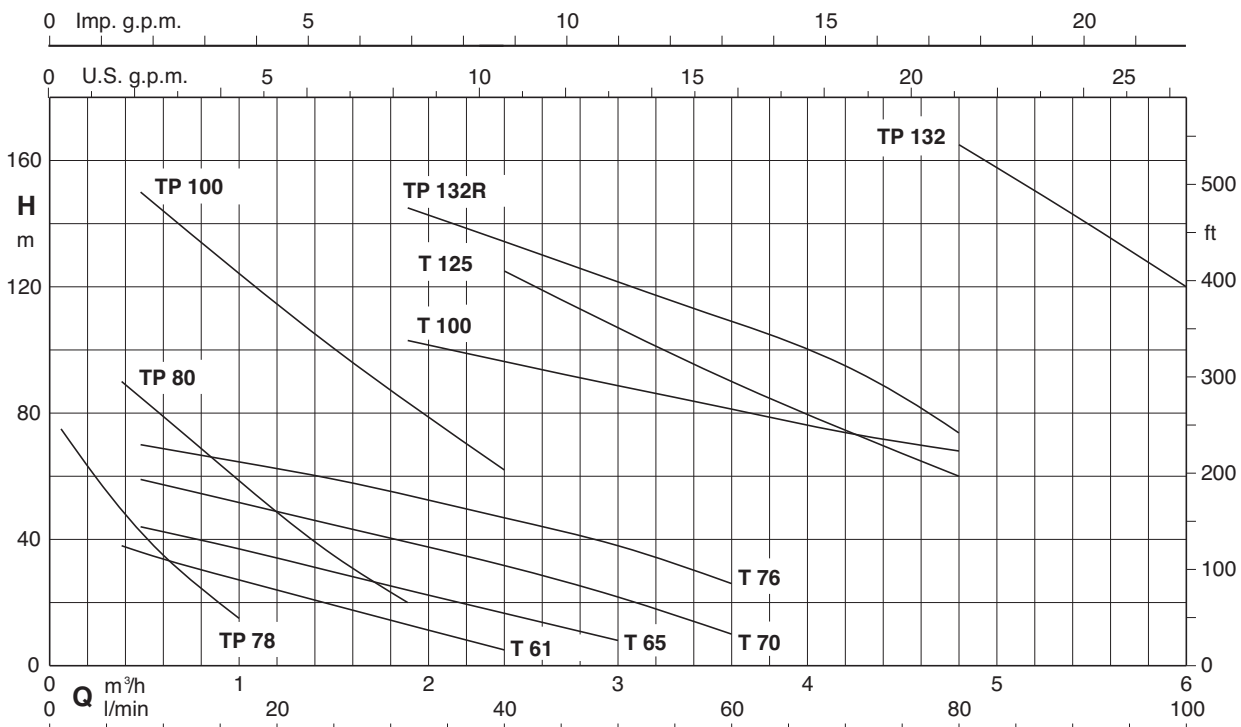
### Special features on request

- Other voltages.
- Frequency 60 Hz (as per 60 Hz data sheet).
- Protection IP 55.
- Special mechanical seal.
- Higher or lower liquid or ambient temperatures.
- Construction with bearing bracket.

### Materials

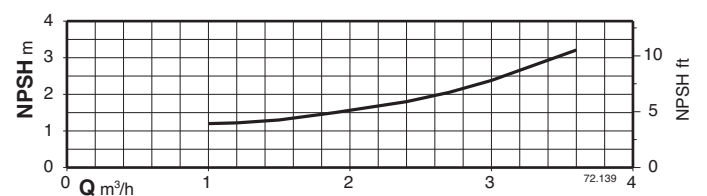
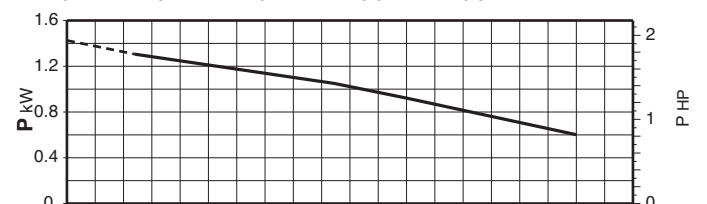
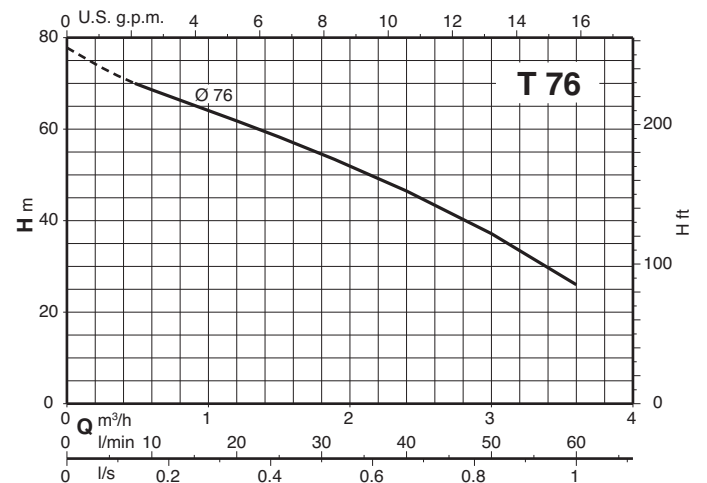
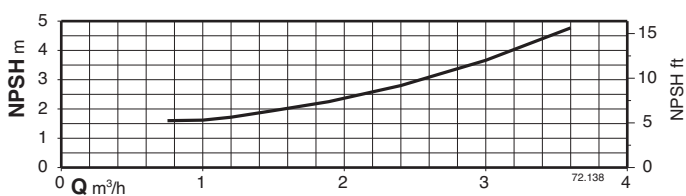
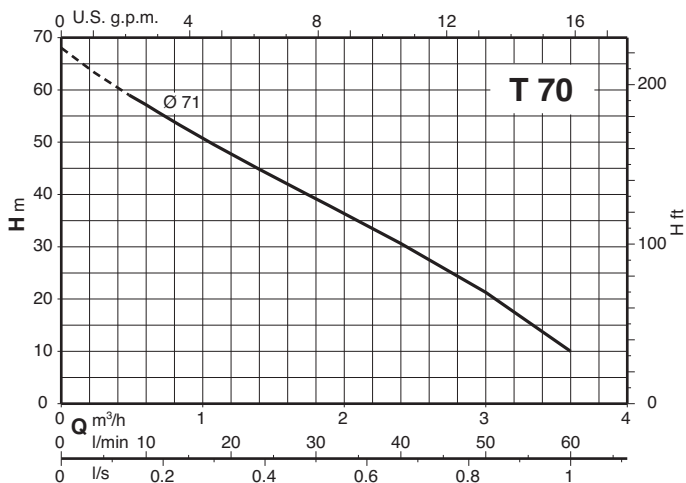
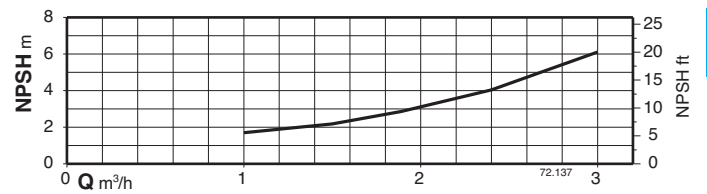
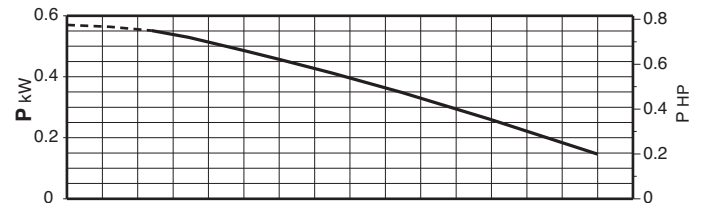
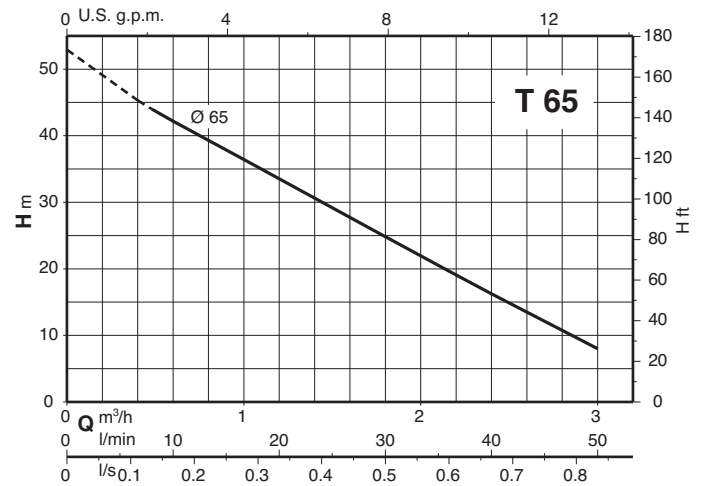
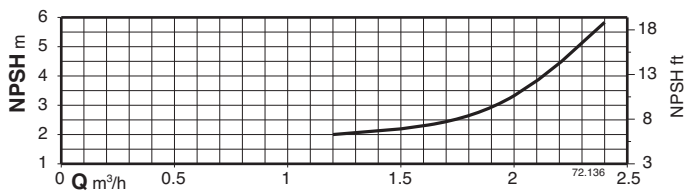
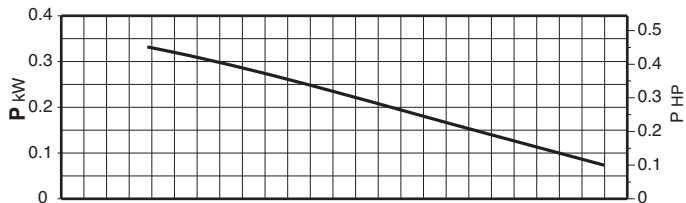
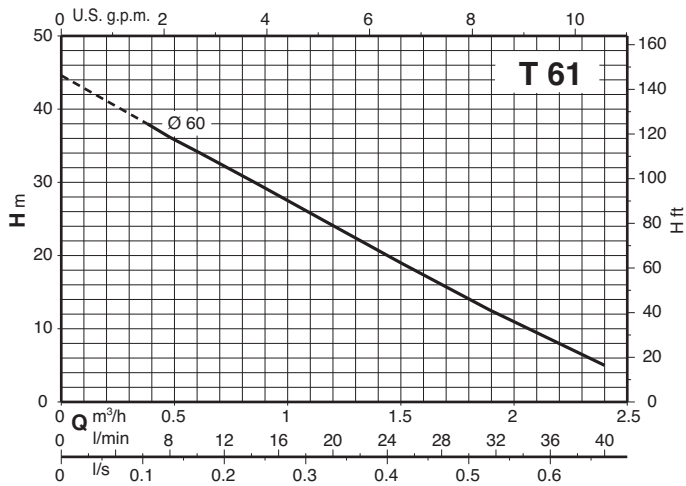
Components	T, TP	B-T, B-TP
Pump casing	Cast iron	Bronze
Lantern bracket	GJL 200 EN 1561	G-Cu Sn 10 EN 1982
Casing cover	Cast iron	Bronze
	GJL 200 EN 1561	G-Cu Sn 10 EN 1982
	Brass P- Cu Zn Pb 40 2 UNI 5705 for T 61-65-70, B-T 61-70	
Impeller	Brass P- Cu Zn 40 Pb 2 UNI 5705	
	Bronze G-Cu Sn 10 EN 1982 for T 125, TP 132-132R	
Shaft	Cr-Ni steel AISI 303 T 76, Tp 80-100	Cr-Ni-Mo steel AISI 316
	Chrome steel AISI 430 T 61-65-70-100-125, Tp 78-132-132R	
Mechanical seal	Carbon - Ceramic - NBR	

### Coverage chart $n \approx 2900$ rpm

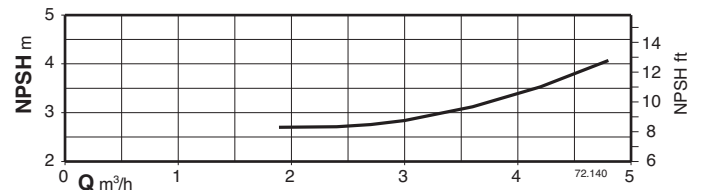
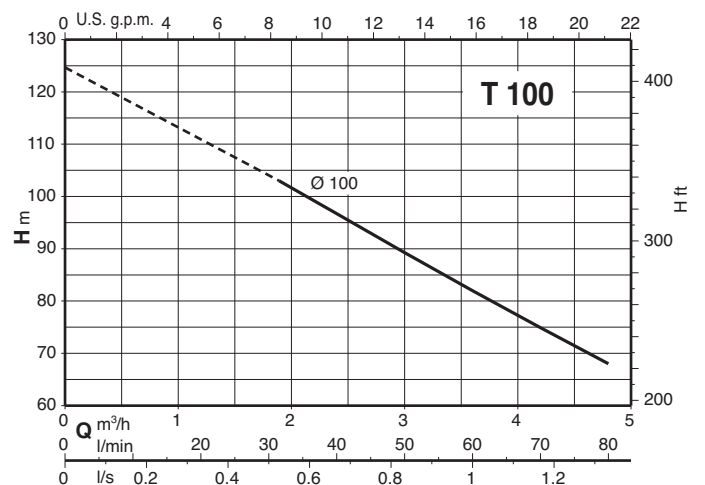
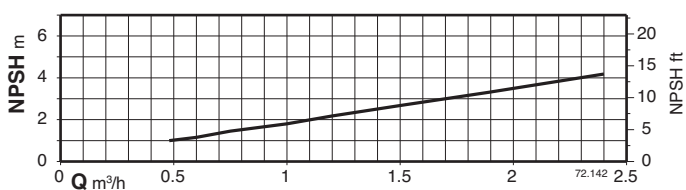
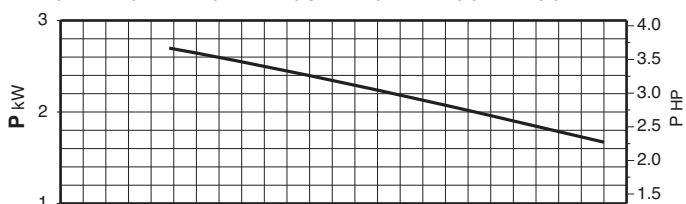
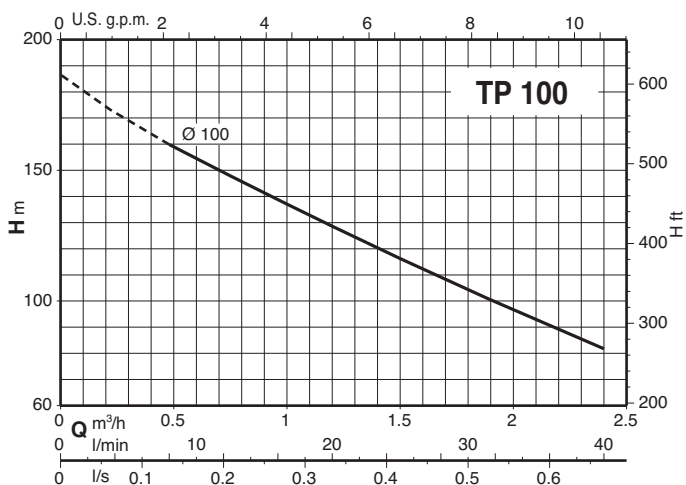
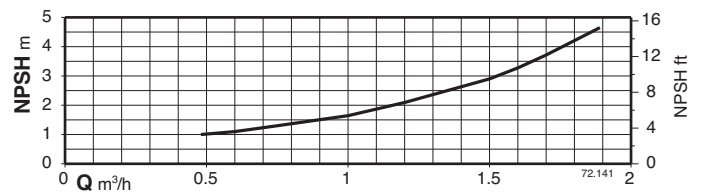
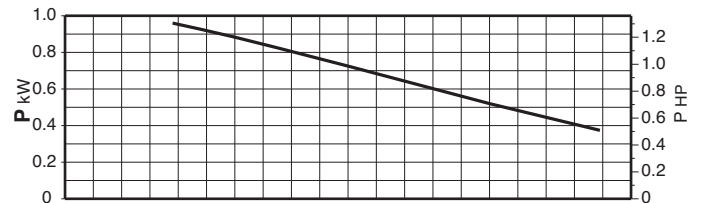
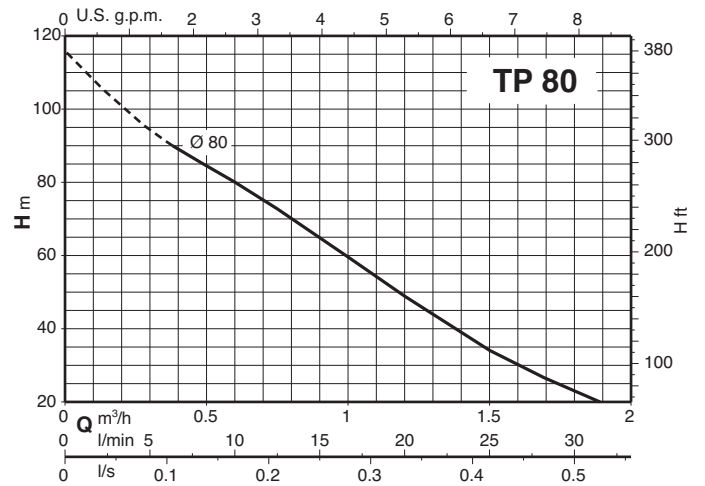
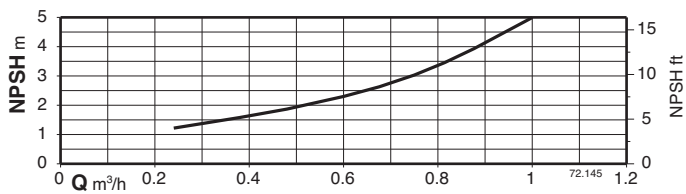
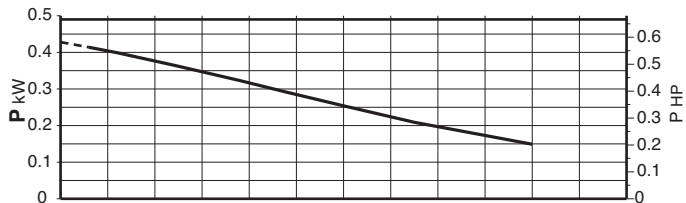
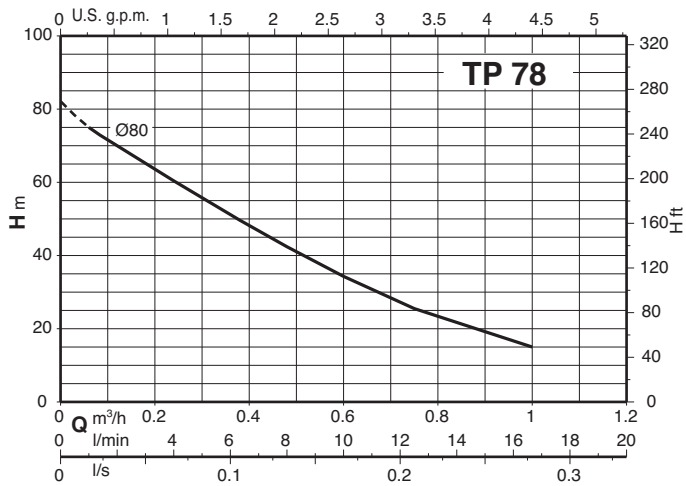




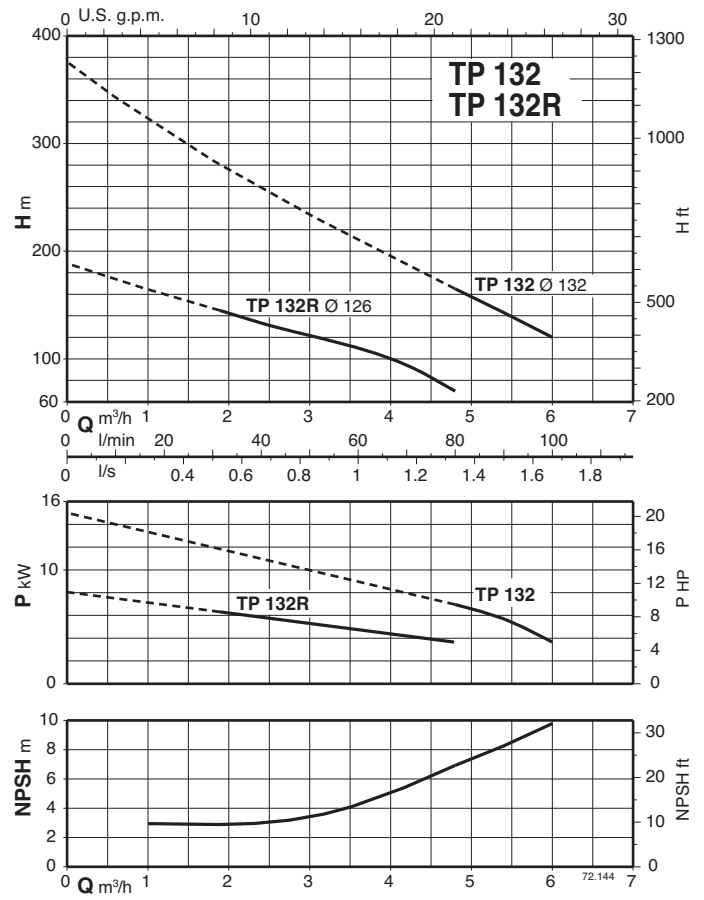
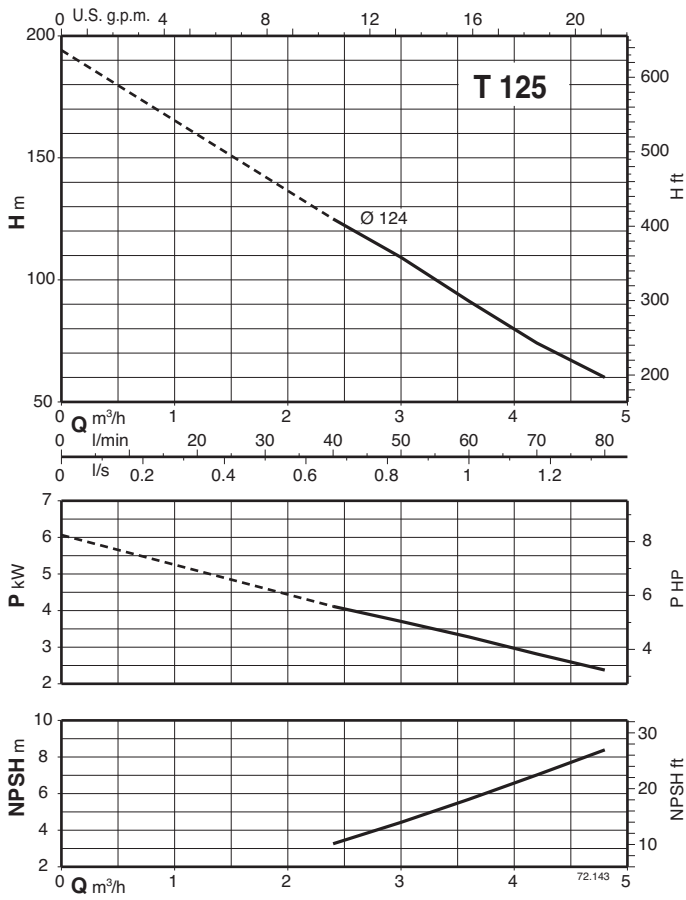
### Characteristic curves $n \approx 2900$ rpm



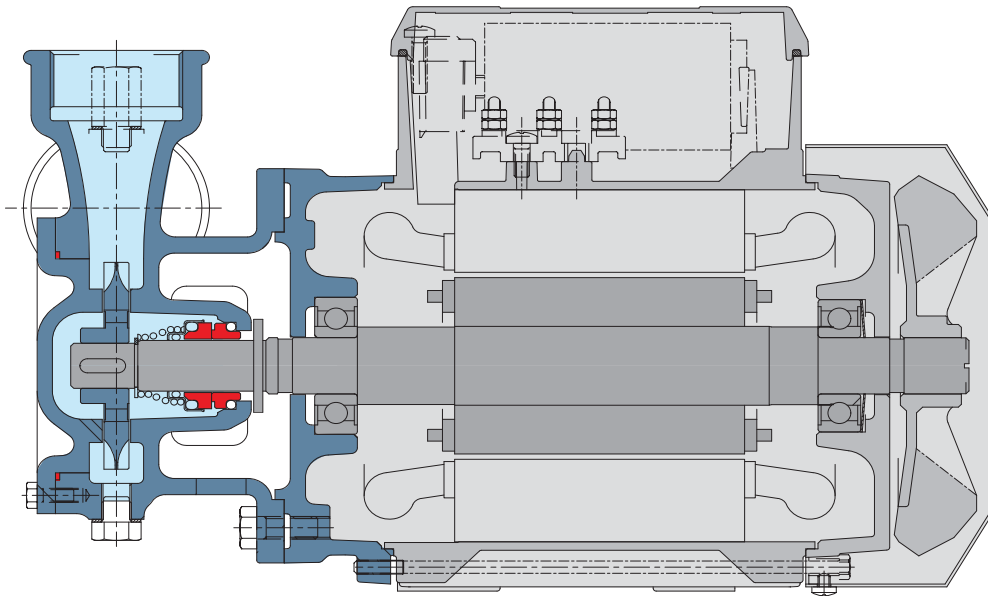
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### Features



#### Range

The high number of pumps in the range can meet the widest range of services required by the user.

#### Flexible

The option to choose between cast iron and bronze materials for the hydraulic parts in contact with the pumped liquid allows T-TP series pumps to be selected for use with different types of liquids.

#### Reliable

The bearing and shaft are designed to ensure the reduction of the stress, providing high reliability under all operating conditions.

#### Optimized hydraulics

The pump hydraulics are designed to ensure high performance and consistency of performance.