

**FAMCO**  
هایپر صنعت



**water passion**

تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)، روبروی پالایشگاه نفت پارس، پلاک ۱۲

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# 1959

## WHO WE ARE

WE WANT TO CONTINUE THAT WHICH WAS STARTED MANY YEARS AGO BY VINICIO METTIFOGO, FOUNDER AND PIONEER.

Calpeda is a family owned company with an history of 61 years.

Today, we are a reality that has evolved over the years, always looking to the future with a spirit that has brought us to being a respected reference point in the great world of water.

Our history has taken our tradition and strength to you, acknowledged for our professionalism, quality, reliability and service.



2020

## CALPEDA TODAY

Employees: 250  
Offices: Montorso V. (Vicenza) Italy  
Main factory: 30,000 sq. metres (covered)  
Types of pumps: more than 2,000  
Power outputs: from 0.5 kW to 200 kW





### 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 60034-30-1.  
EN 60335-1, EN 60335-2-41.

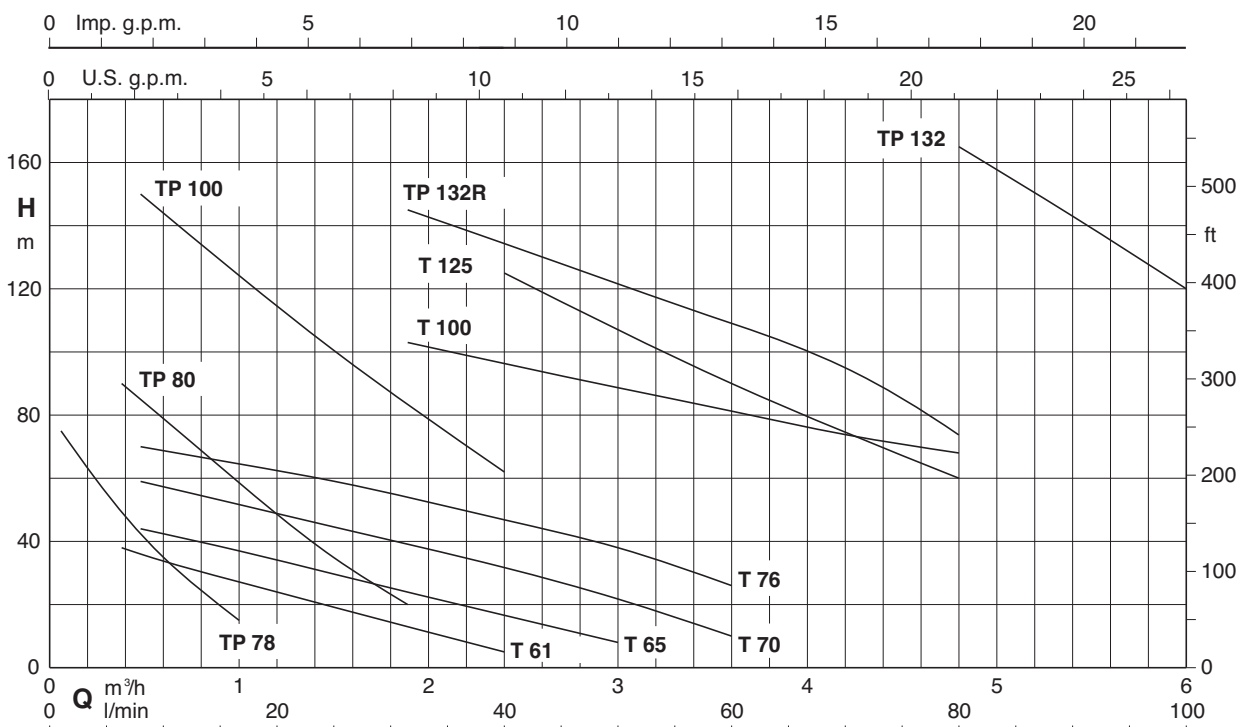
### Materials

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	

### Special features on request

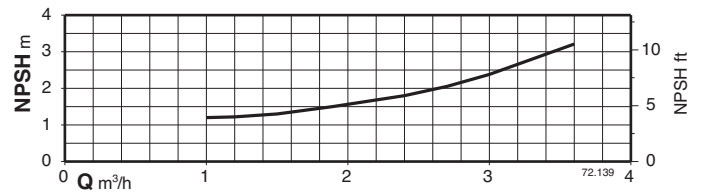
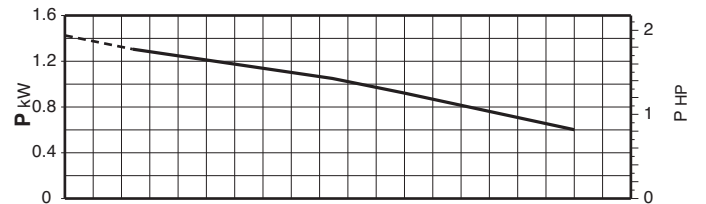
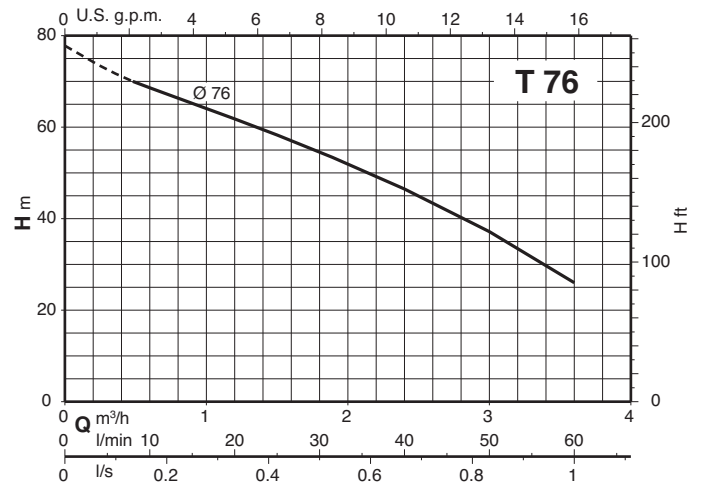
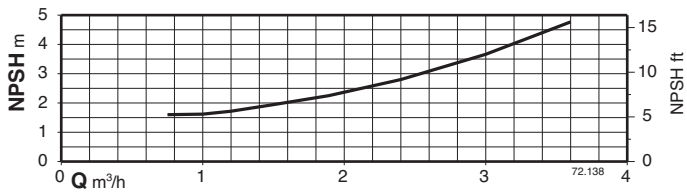
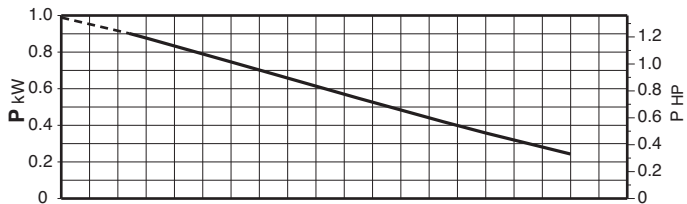
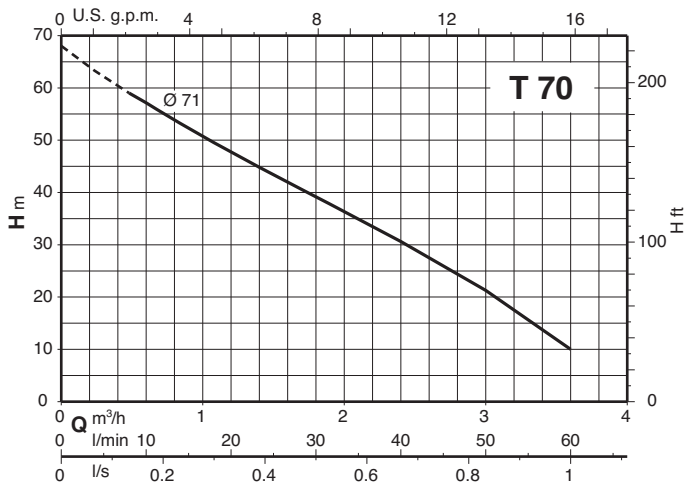
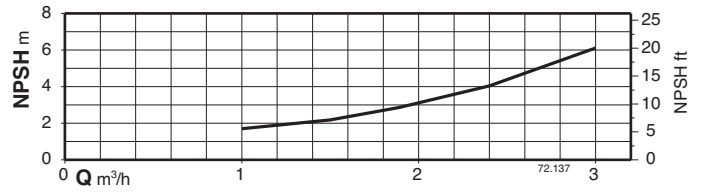
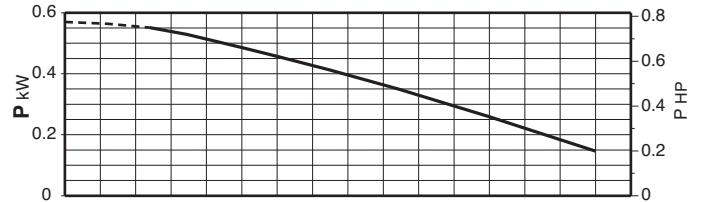
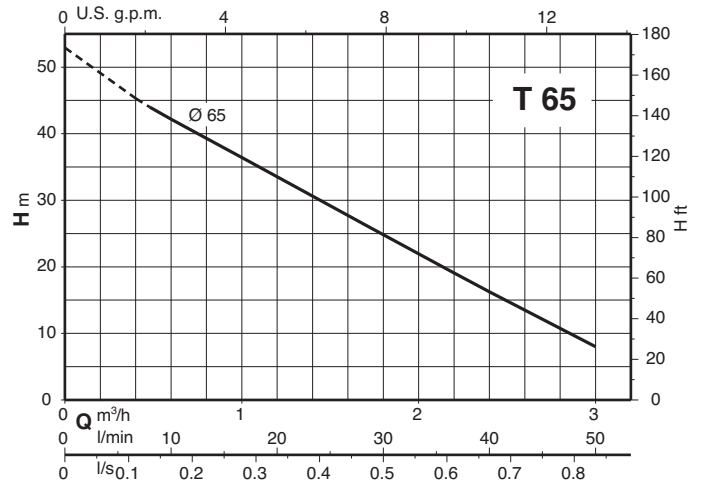
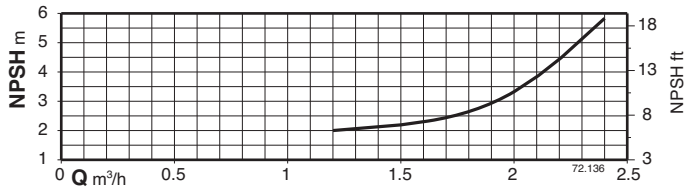
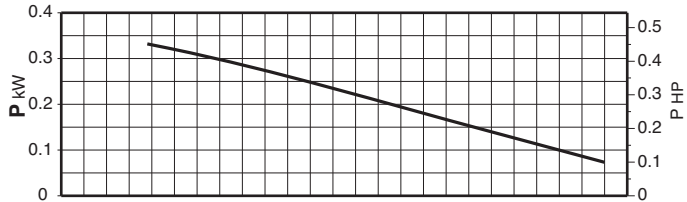
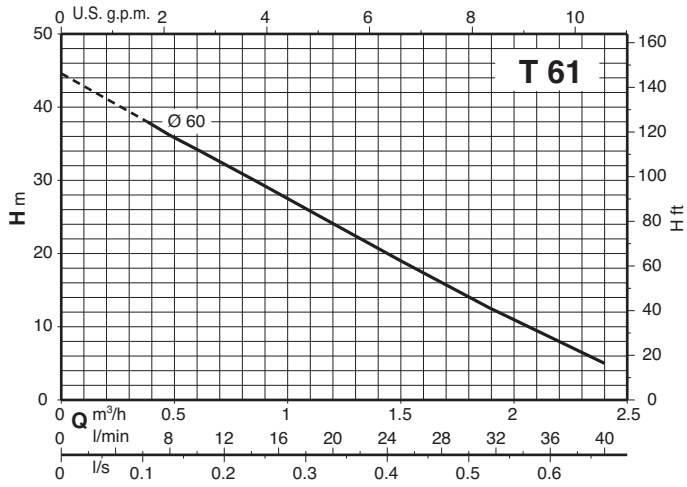
- Other voltages.
- Frequency 60 Hz (as per 60 Hz data sheet).
- Protection IP 55.
- Special mechanical seal.
- Higher or lower liquid or ambient temperatures.
- Construction with bearing bracket.

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

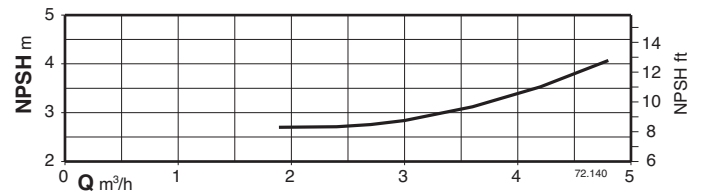
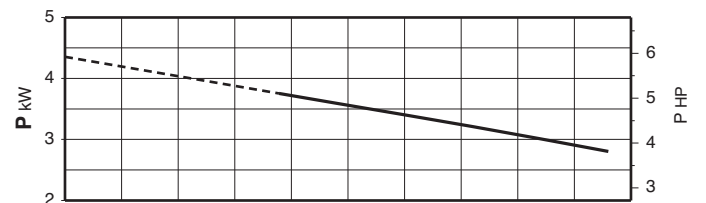
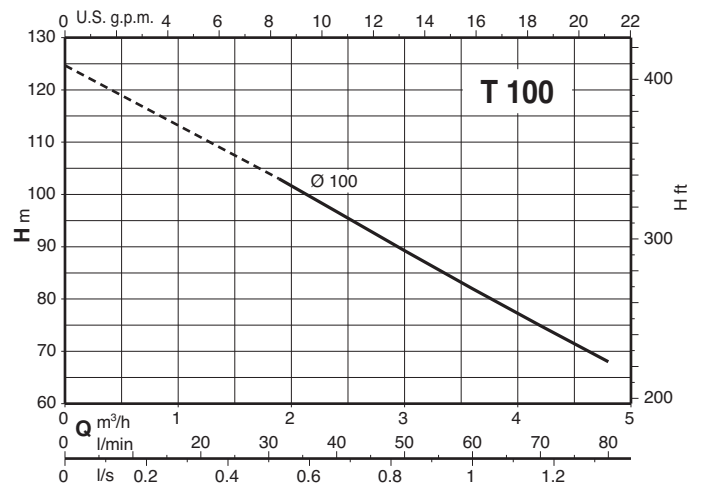
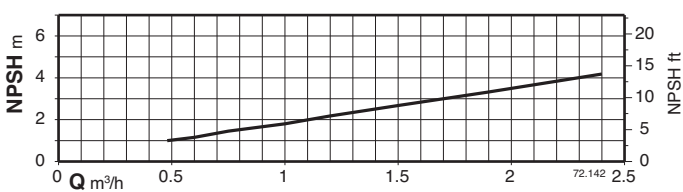
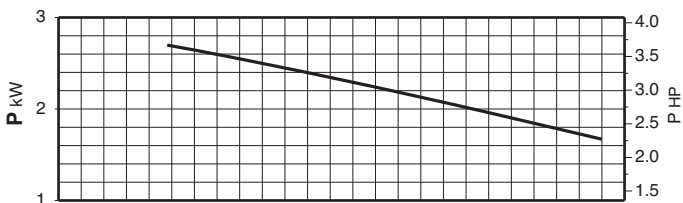
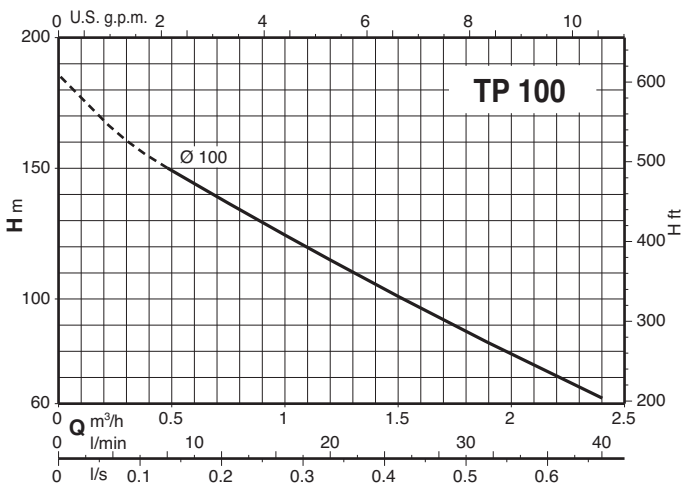
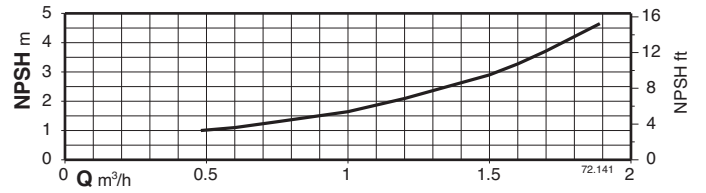
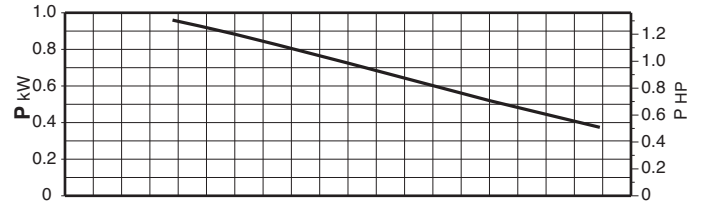
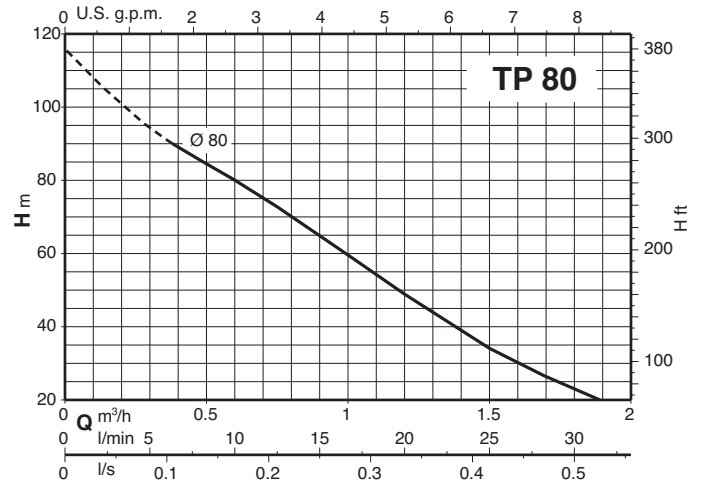
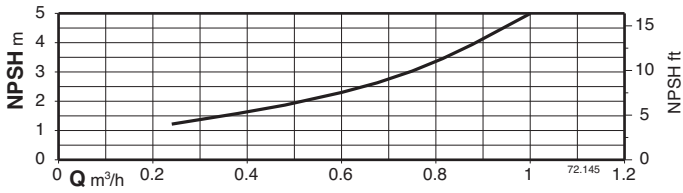
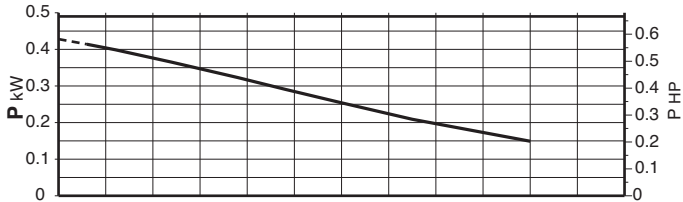
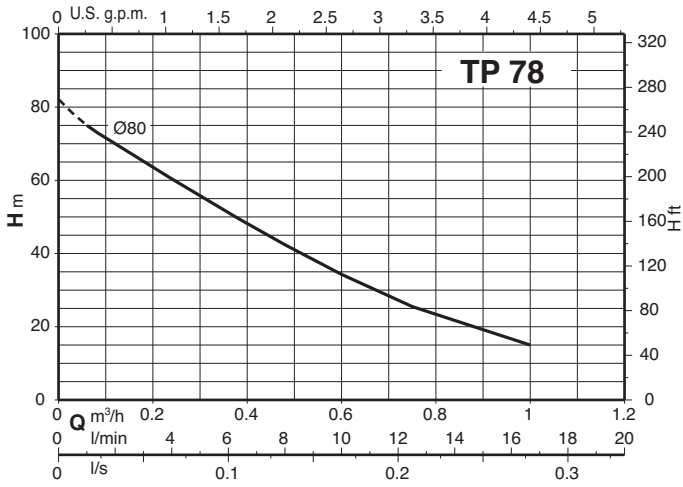




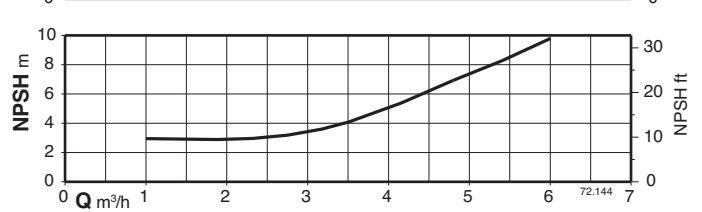
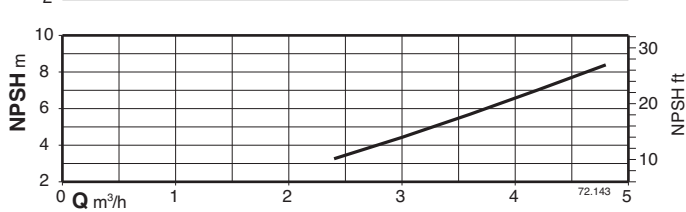
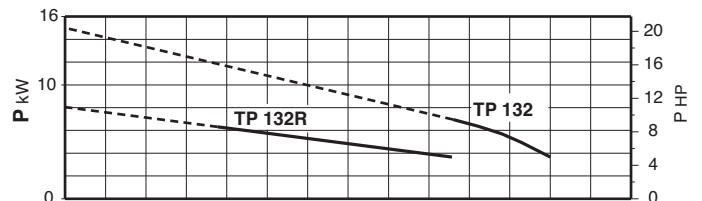
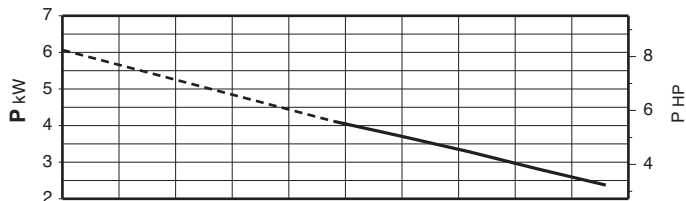
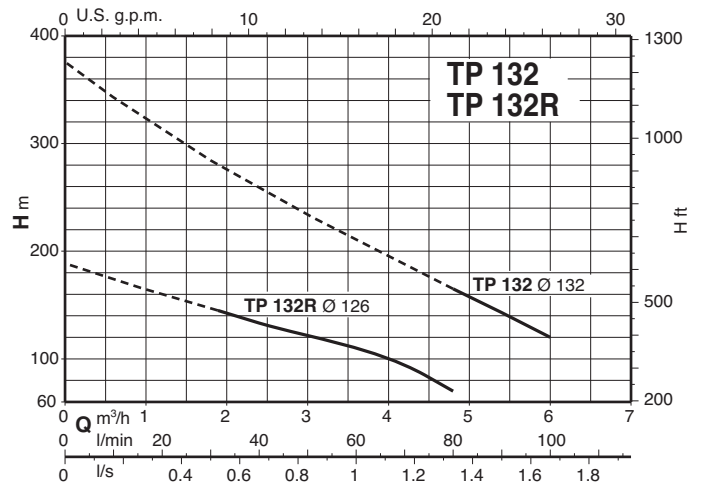
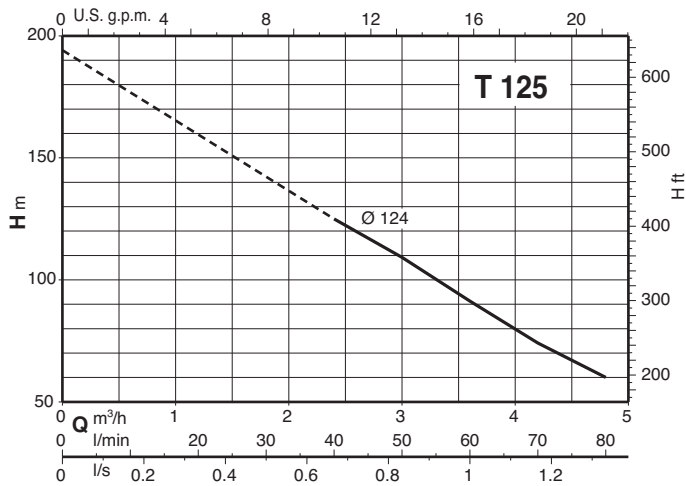
**Characteristic curves  $n \approx 2900$  rpm**



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

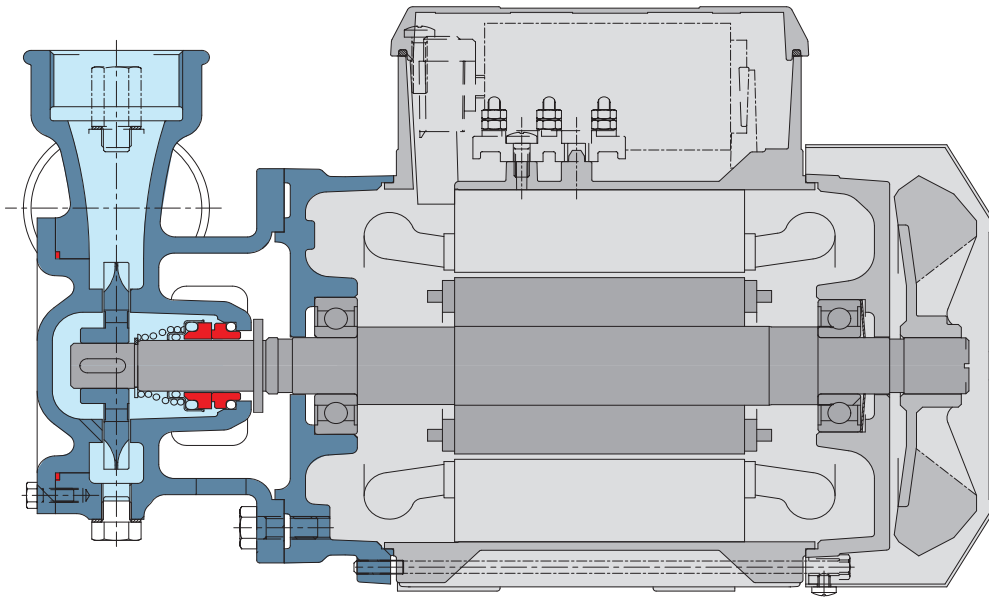


**Characteristic curves n ≈ 2900 rpm**





**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.



### Construction

Close-coupled peripheral pump (regenerative pump) with turbine impeller. Compact, patented construction with single-piece motor casing and pump-side wall. Protected against water entering the motor from outside.

CT: version with pump casing in cast iron.

B-CT: version with pump casing 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.

### Operating conditions

Liquid temperature up to 60 °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).

**CT 61:** three-phase 230/400 V  $\pm 10\%$ .

**CTM 61:** single-phase 230 V  $\pm 10\%$ , with thermal protector. Capacitor inside the terminal box.

Insulation class F.

Protection IP 54.

Constructed in accordance with: EN 60034-1; EN 60335-1, EN 60335-2-41.

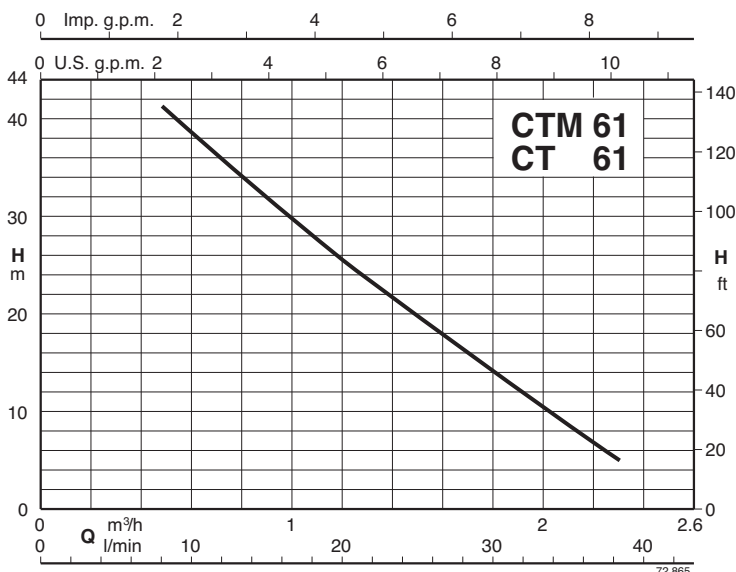
### Special features on request

- Other voltages.
- Frequency 60 Hz (as per 60 Hz data sheet).
- Special mechanical seal.

### Materials

Components	CT 61	B-CT 61
Pump casing	Cast iron GJL 200 EN 1561	Bronze G-Cu Sn 10 EN 1982
Casing cover motor side	Brass P- Cu Zn Pb 2 UNI 5705	
Impeller	Brass P- Cu Zn Pb 2 UNI 5705	
Shaft	Chrome steel 1.4104 EN 10088 (AISI 430)	
Mechanical seal	Carbon - Ceramic - NBR	

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



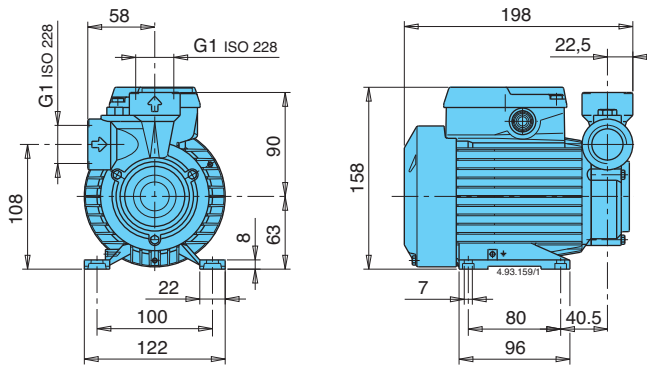
**Performance n ≈ 2900 rpm**

3~	230V 400V		1~	230V	P <sub>1</sub>	P <sub>2</sub>		Q	0,48	0,6	0,75	0,96	1,2	1,5	1,89	2,3	
	A	A				A	kW										kW
<b>CT 61/A</b>			<b>CTM 61/A</b>														
<b>B-CT 61/A</b>	1,9	1,1	<b>B-CTM 61/A</b>	2,5	0,55	0,33	0,45	<b>H m</b>	41	38,5	35,5	31	25,5	19	11	5	

H Total head in m.

P<sub>2</sub> Rated motor power output.

**Dimensions and weights**



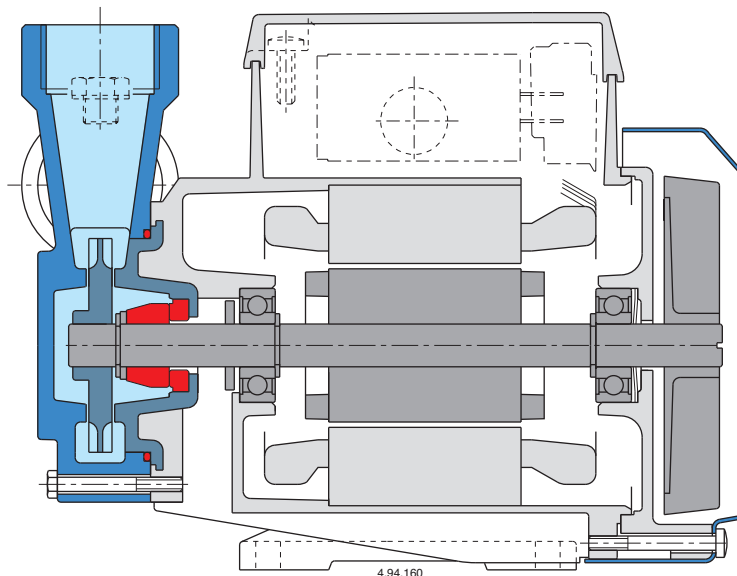
CT 61/A **4,9** kg  
 CTM 61/A **5** kg  
 B-CT 61/A **5,1** kg  
 B-CTM 61/A **5,2** kg

تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)، روبروی پالایشگاه نفت پارس، پلاک ۱۲ Tel: ۰۲۱ - ۴۸۰۰۰۰۴۹ Fax: ۰۲۱ - ۴۴۹۹۴۶۴۲

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**Features**





### Construction

Close-coupled peripheral pump (regenerative pump) with turbine impeller.  
Compact, patented construction with single-piece motor casing and pump-side wall.  
Protected against water entering the motor from outside.

### 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.

### Operating conditions

Liquid temperature up to 60 °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).

**CT 60:** three-phase 230/400 V  $\pm 10\%$ .

**CTM 60:** single-phase 230 V  $\pm 10\%$ , with thermal protector.  
Capacitor inside the terminal box.

Insulation class F.

Protection IP 54.

Constructed in accordance with: EN 60034-1;  
EN 60335-1, EN 60335-2-41.

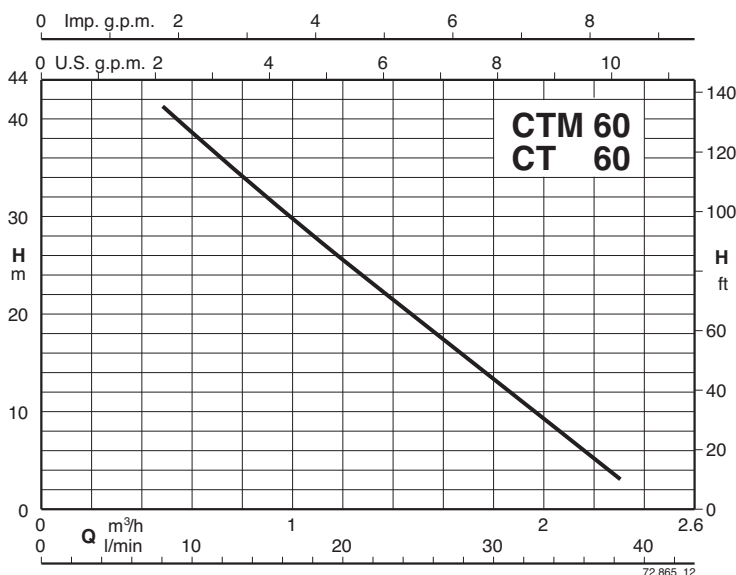
### Materials

Components	Materials
Pump casing	Cast iron GJL 200 EN 1561
Casing cover motor side	Brass P- Cu Zn Pb 2 UNI 5705
Impeller	Brass P- Cu Zn Pb 2 UNI 5705
Shaft	Chrome steel 1.4104 EN 10088 (AISI 430)
Mechanical seal	Carbon - Ceramic - NBR

### Special features on request

- Other voltages.
- Frequency 60 Hz (as per 60 Hz data sheet).
- Special mechanical seal.

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



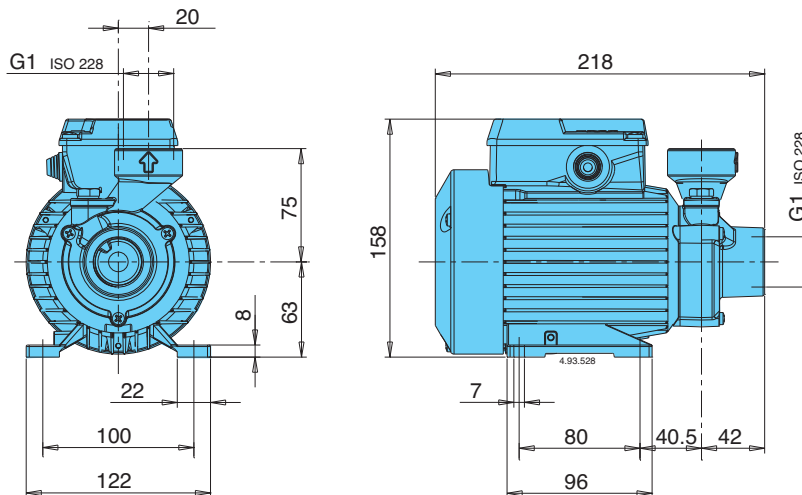
**Performance  $n \approx 2900$  rpm**

3~	230V 400V		1~	230V	P <sub>1</sub>	P <sub>2</sub>		Q									
	A	A				A	kW		kW	HP	m <sup>3</sup> /h	0,48	0,6	0,75	0,96	1,2	1,5
								l/min	8	10	12,5	16	20	25	31,5	38	
<b>CT 60/A</b>	1,9	1,1	<b>CTM 60/A</b>	2,5	0,55	0,33	0,45	<b>H m</b>	41	38,5	35,5	31	25,5	19	11	3	

H Total head in m.

P<sub>2</sub> Rated motor power output.

**Dimensions and weights**



CT 60/A **4,9** kg  
CTM 60/A **5** kg

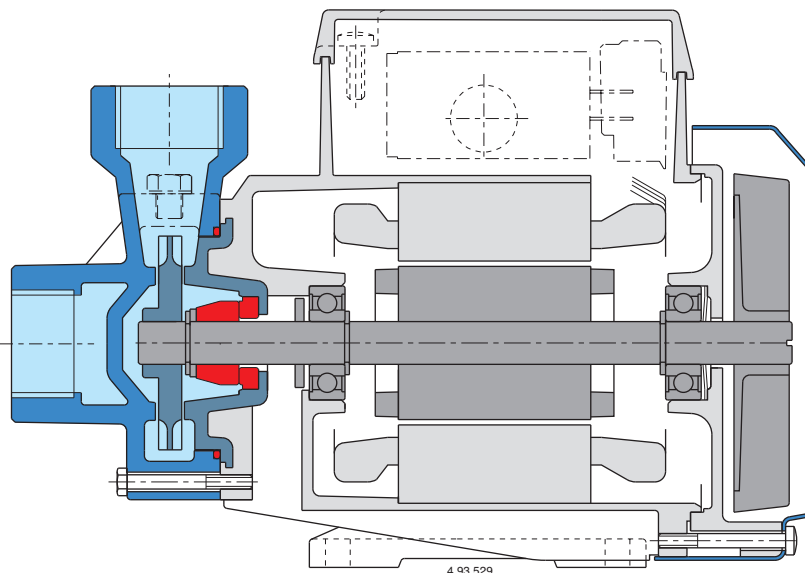
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**Features**



Patented