



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, 60 Hz ($n \approx 3450$ rpm).
 T, TP: three-phase 220/380 V.
 TM, TPM: single-phase 220 V, with thermal protector.
 Capacitor inside the terminal box.

Insulation class F.
 Protection IP 54.

Classification scheme IE2 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.

Materiales

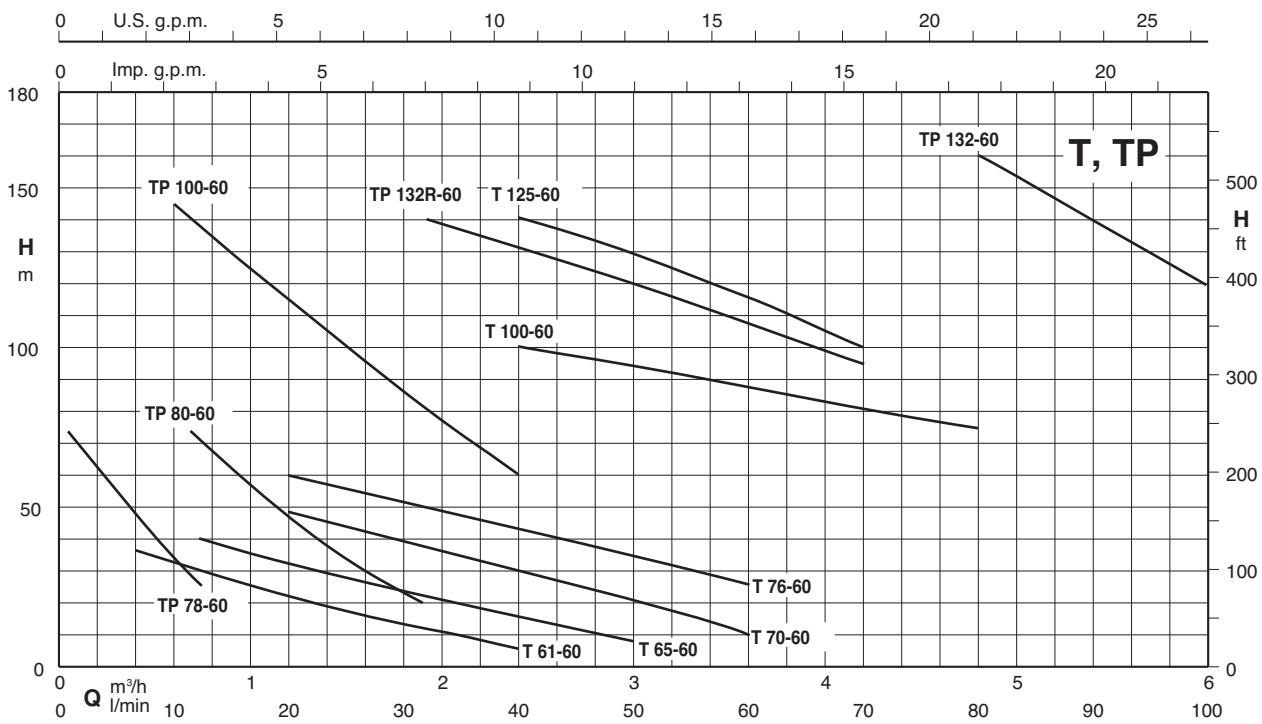
Components	T, TP	B-T, B-TP
Pump casing	Cast iron	Bronze
Lantern bracket	GJL 200 EN 1561	G-Cu Sn 10 EN 1982
Casin cover	Cast iron	Bronze
	GJL 200 EN 1561	G-Cu Sn 10 EN 1982
	Brass P- Cu Zn 40 Pb 2 UNI 5705 for T 61-65-70, B-T 61-70	
Impeller	Brass P- Cu Zn 40 Pb 2 UNI 5705 Bronze G-Cu Sn 10 EN 1982 for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

Special features on request

- Other voltages.
- Protection IP 55.
- Special mechanical seal
- Higher or lower liquid or ambient temperatures.

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Coverage chart $n \approx 3450$ rpm



Performance n ≈ 3450 rpm

	3 ~ 220V 380V			1 ~ 220V		P ₂		Q m ³ /h																			
	A	A	IA/IN	A	IA/IN	kW	HP		l/min	1	2	4	6,3	8	10	12,5	16	20	25	31,5	40	50	60	70	80	90	100
B- T 61E-60	2,4	1,4	3,2	B- TM 61E-60	3,1	2,5	0,33	0,45																			
B- T 65E-60	3,1	1,8	4,8	B- TM 65E-60	4,2	2,6	0,45	0,6																			
B- T 70-60/A	4,5	2,6	6,8	B- TM 70-60/A	7,2	3	0,75	1																			
T 76E-60	6,4	3,7	4,9	TM 76E-60	8,9	2,9	1,1	1,5																			
T 100-60/A		11,2	7,8					4	5,5																		
T 125-60/A		13,7	8,7					5,5	7,5																		
B- TP 78-60/A	2,6	1,5	3,5	B- TPM 78-60/A	3,4	2,3	0,37	0,5																			
B- TP 80E-60	4	2,3	4,8	B- TPM 80E-60	6,5	2,9	0,75	1																			
TP 100-60/A	11,5	6,6	5,1					2,2	3																		
TP 132R-60/A		17	9,2					7,5	10																		
TP 132-60/A		17	9,2					7,5	10																		

IA/IN = D.O.L. starting current / Rated current

B-T, B-TM = Bronze construction.

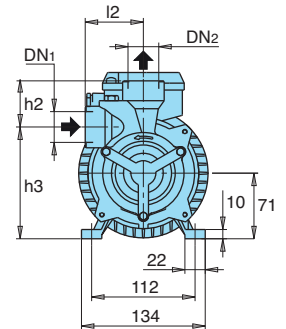
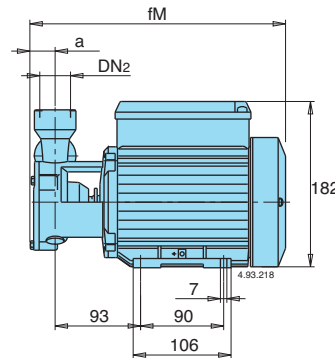
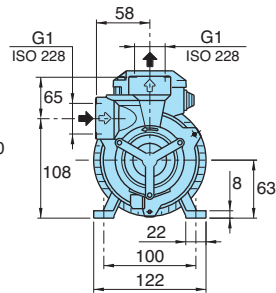
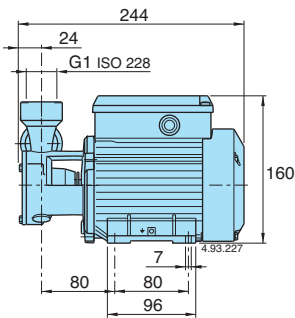
H Total head in m.

* Maximum suction lift 2-3 m.

P₂ Rated motor power output.

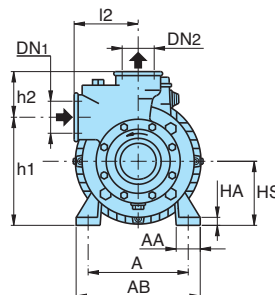
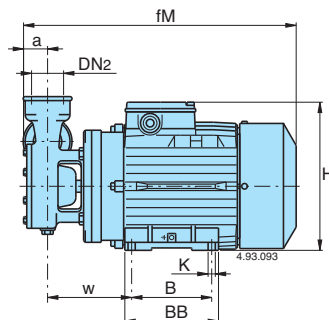
Tolerances according to UNI EN ISO 9906:2012.

Dimensions and weights



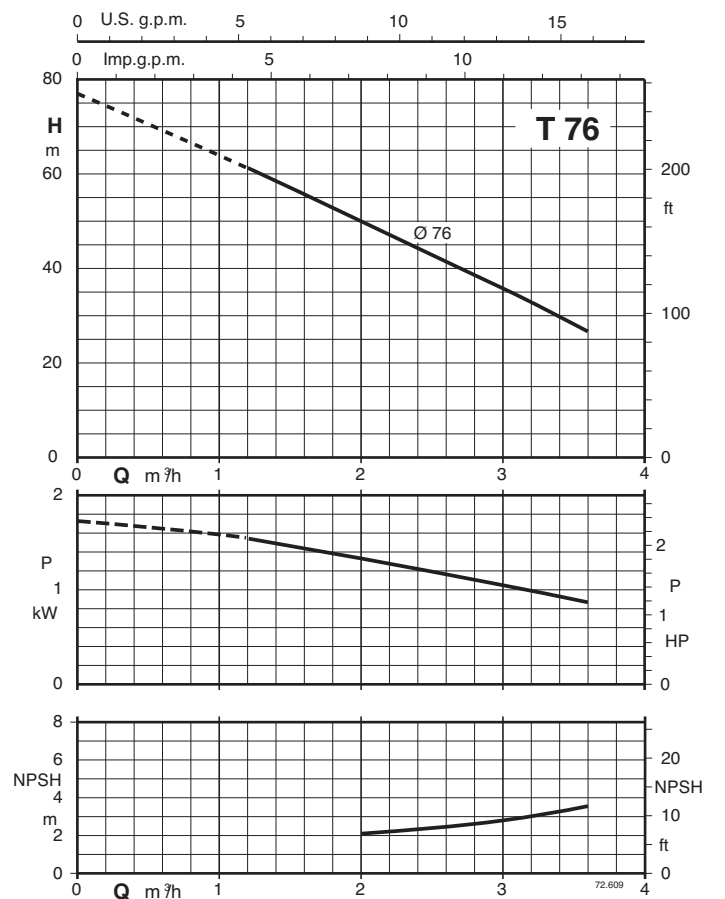
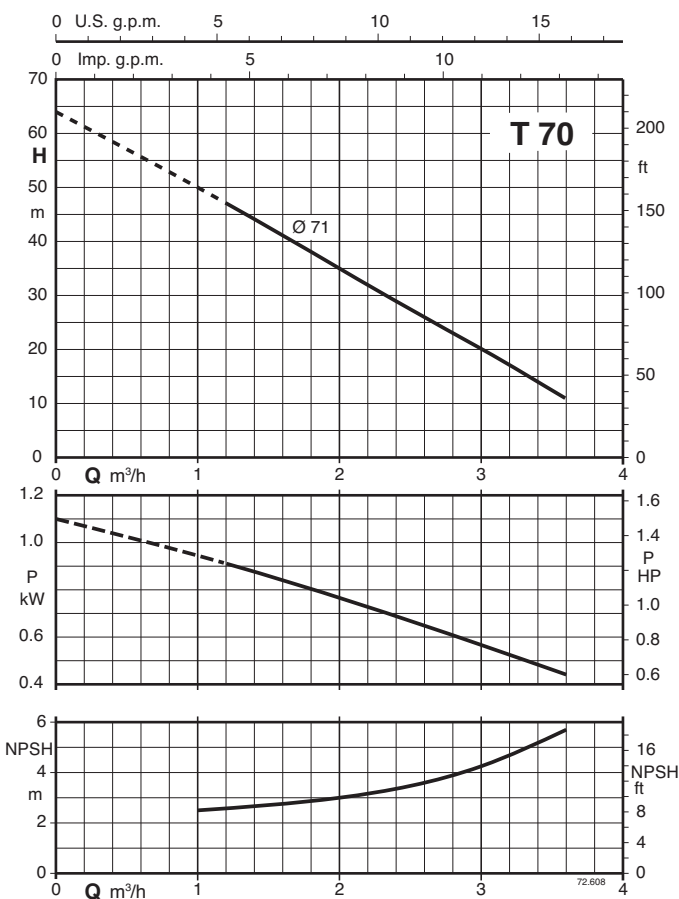
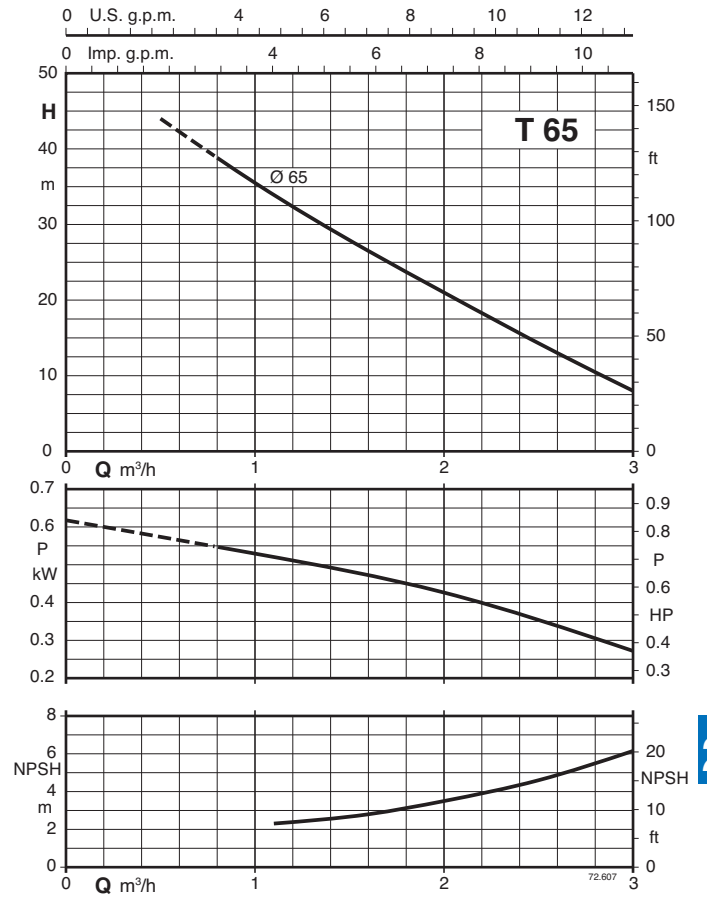
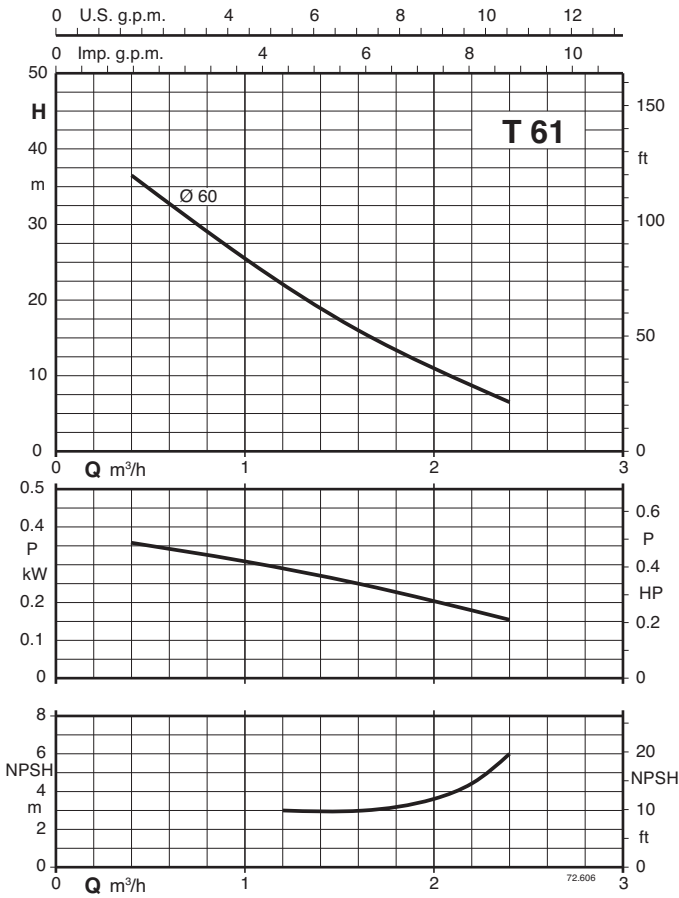
- T 61E-60: kg 6,3
- B- T 61E-60: kg 6,5
- T 65E-60: kg 7,3
- B- T 65E-60: kg 7,5

TYPE	DN1 ISO 228	DN2	mm					kg	
			a	fM	h2	h1	l2	T	B-T
T 70-60/A B-T 70-60/A	G 1	G 1	24	278	50	121	63	11,2	11,6
TP 78-60/A B-TP 78-60/A	G 1/2	G 1/2	22	276	24	127	56	8,2	8,8

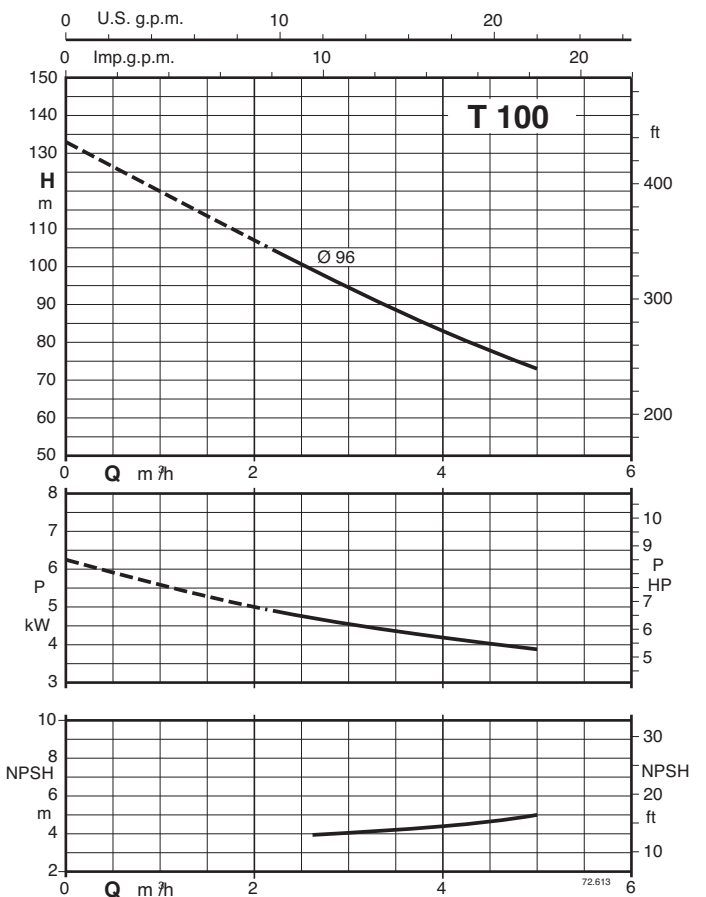
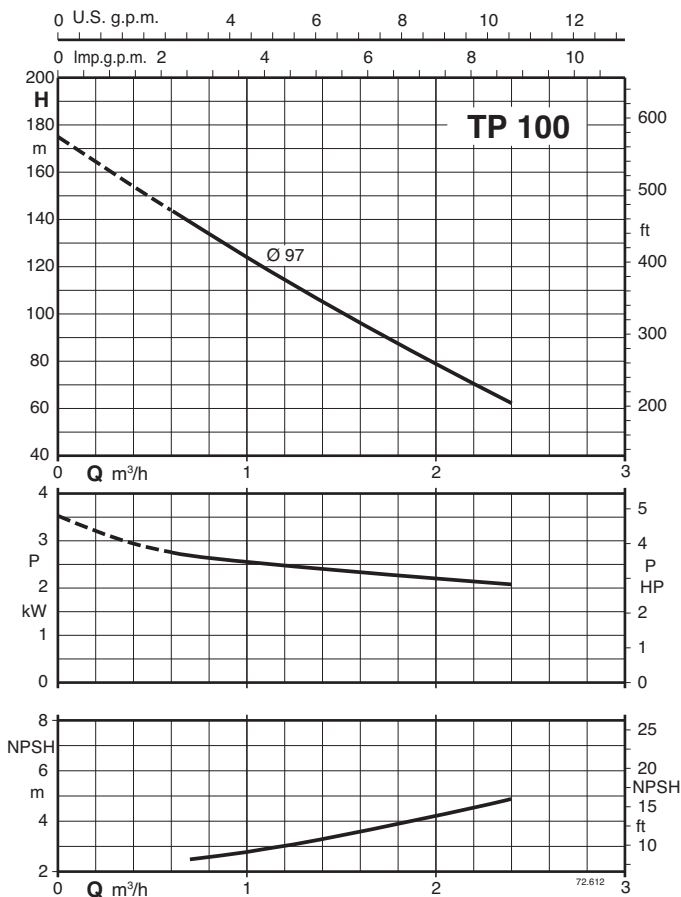
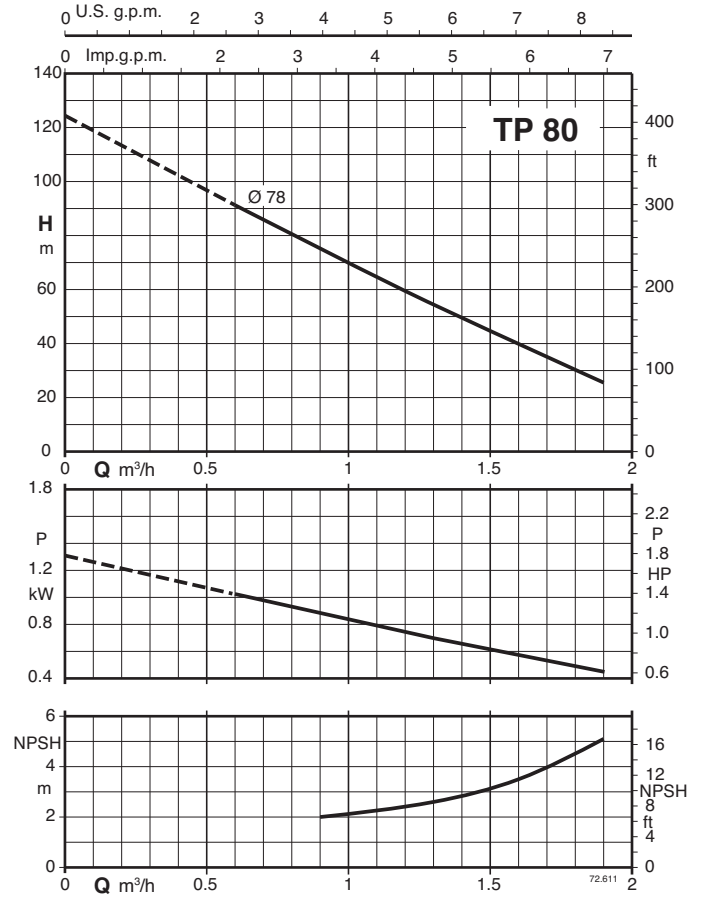
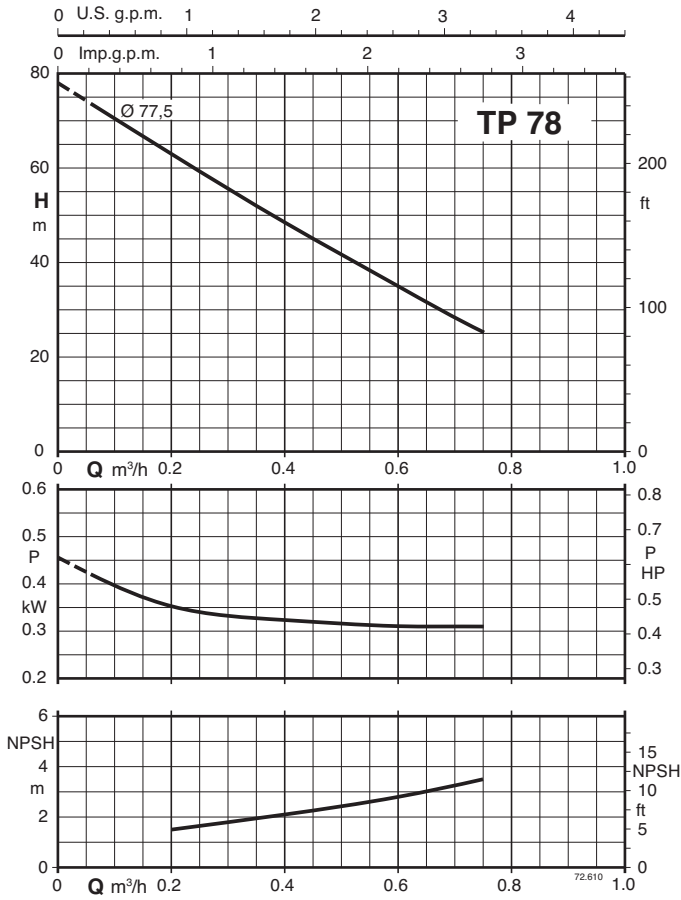


TYPE	DN1 ISO 228	DN2	mm														kg			
			a	fM	HS	h2	h1	H	BB	B	AB	A	AA	K	l2	w	HA	T, TP	B-TP	
T 76E-60	-	G 1 1/4	G 1 1/4	26	338	80	56	136	208	117	100	155	125	30	9	80	105	10	18,4	-
T 100-60/A	-	G 1 1/4	G 1 1/4	32	410	90	59	161	226	152	125	180	140	40	9,5	95	121	12	32,5	-
T 125-60/A	-	G 1 1/4	G 1 1/4	32	505	112	75	192	272	180	140	230	190	50	11,5	90	209	14	39,5	-
TP 80E-60 B-TP 80E-60	G 3/4	G 3/4	G 3/4	27	332	80	35	135	208	117	100	155	125	30	9	60	104	10	16,4	16,8
TP 100-60/A	-	G 3/4	G 3/4	27	387	80	38	142	208	117	100	155	125	30	9	65	113	10	23,2	-
TP 132R-60/A	-	G 1 1/4	G 1 1/4	42	485	112	70	202	272	180	140	230	190	50	11,5	100	183	14	58,5	-
TP 132-60/A	-	G 1 1/4	G 1 1/4	42	485	112	70	202	272	180	140	230	190	50	11,5	100	183	14	58,5	-

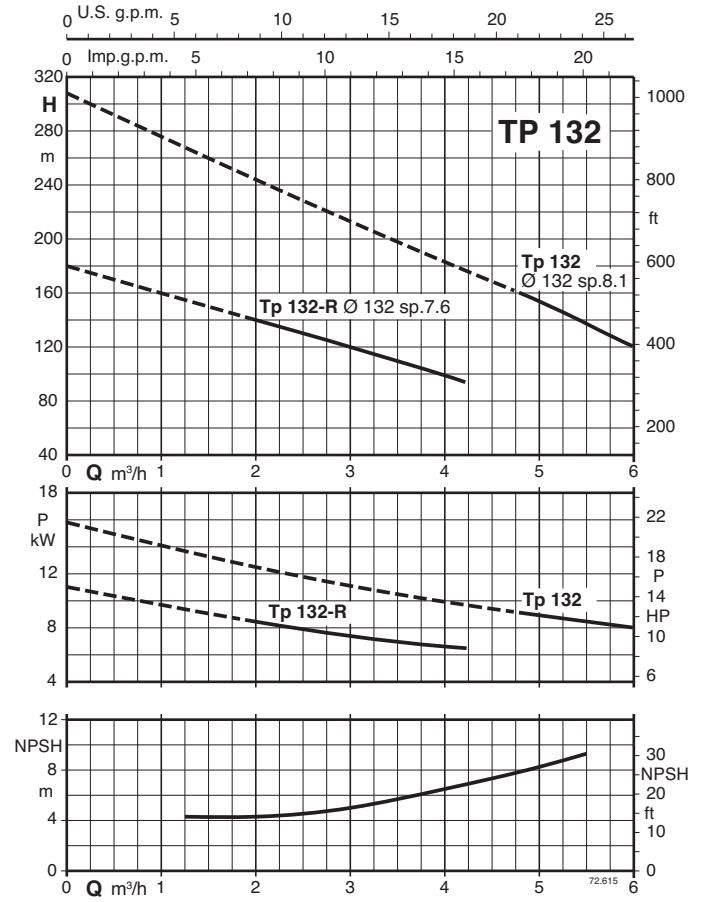
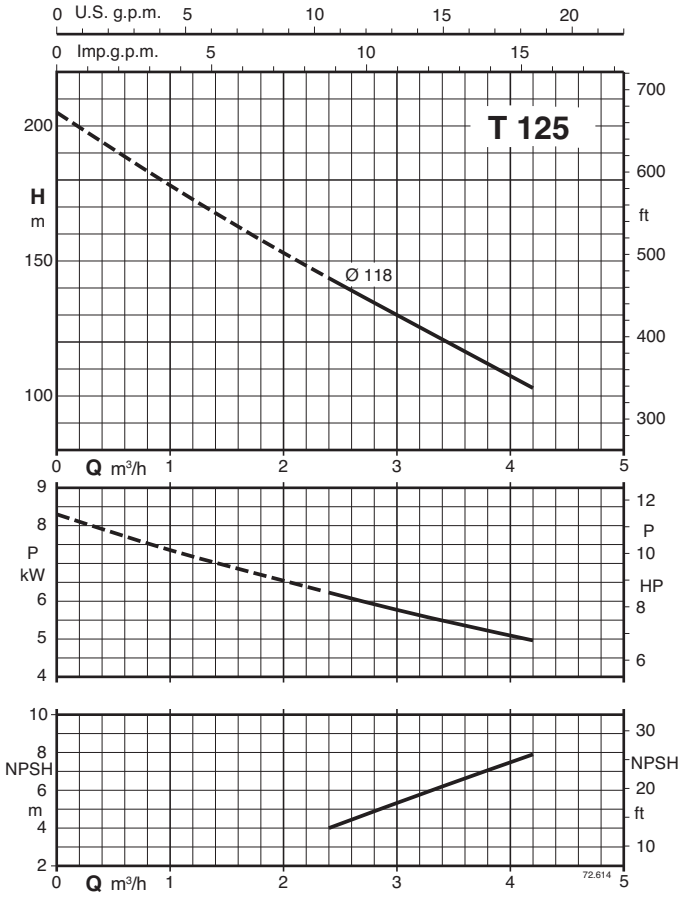
Characteristic curves $n \approx 3450$ rpm



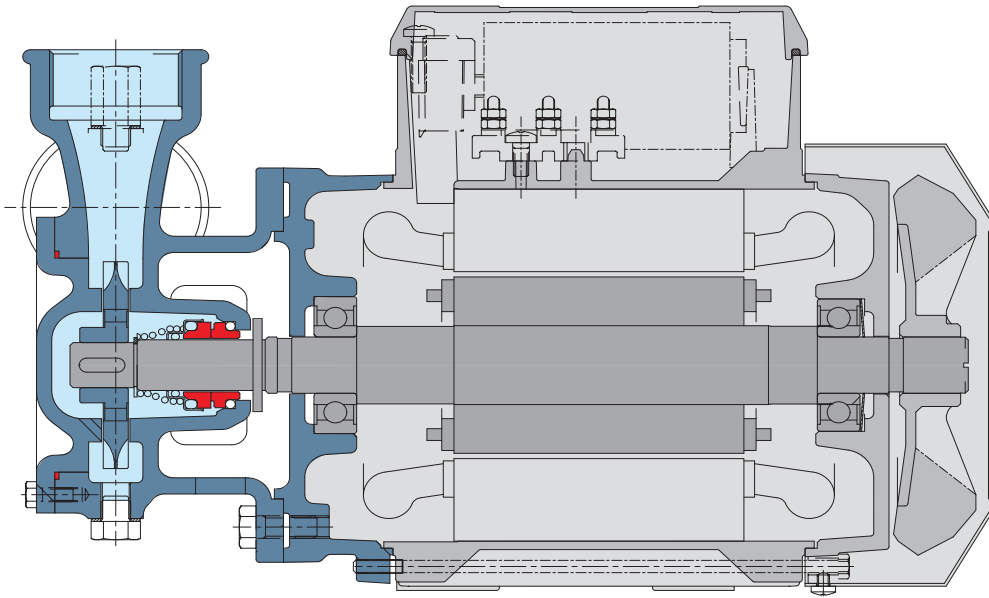
Characteristic curves $n \approx 3450$ rpm



Characteristic curves $n \approx 3450$ rpm



Features

**Range**

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

Flexibility

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.

Reliability

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.