



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 ($n = 2900$ 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 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.

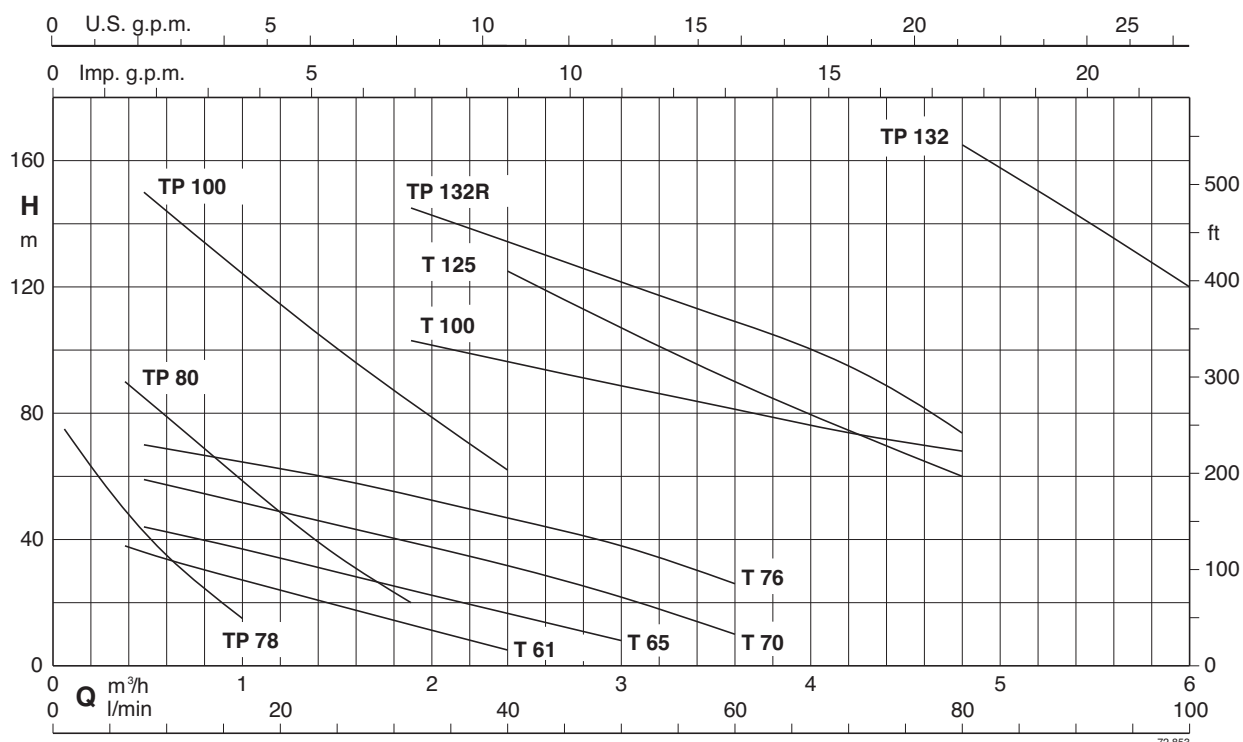
Materiales

Components	T, TP	B-T, B-TP
Pump casing	Cast iron	Bronze
Lantern bracket	GJL 200 EN 1561	G-Cu Sn 10 EN 1982
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	Cr-Ni-Mo steel
	T 76, Tp 80-100	
	Chrome steel AISI 430	
	T 61-65-70-100-125, Tp 78-132-132R	AISI 316
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.

Coverage chart $n \approx 2900$ rpm



Performance $n \approx 2900$ rpm

[illegible]

P1 Maximum power input.

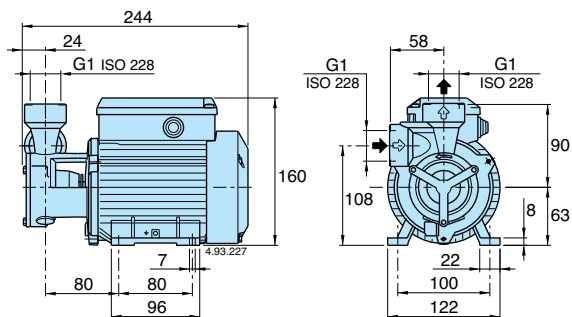
B-T, B-TM = Bronze construction.

H Total head in m.

* Maximum suction lift 2-3 m.

P2 Rated motor power output.

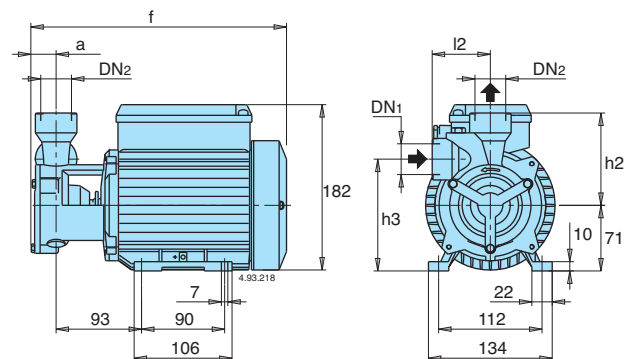
Dimensions and weights



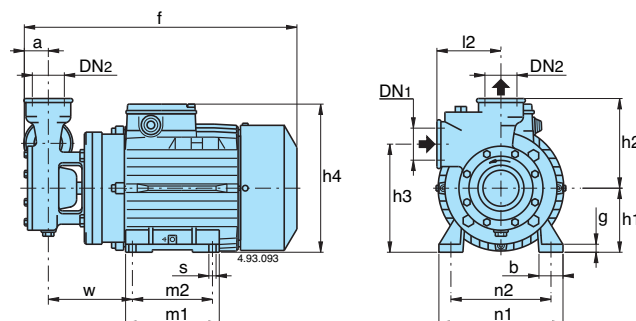
T 61E: kg 6,3

B- T 61E: kg 6,5

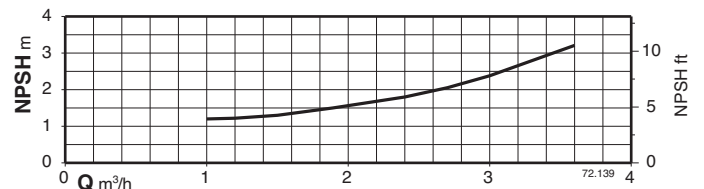
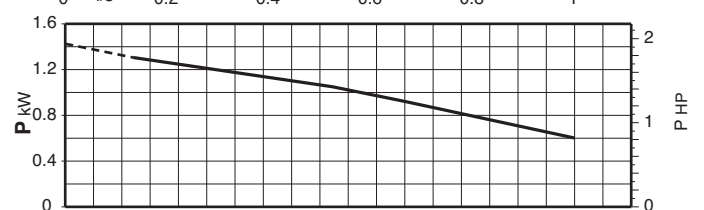
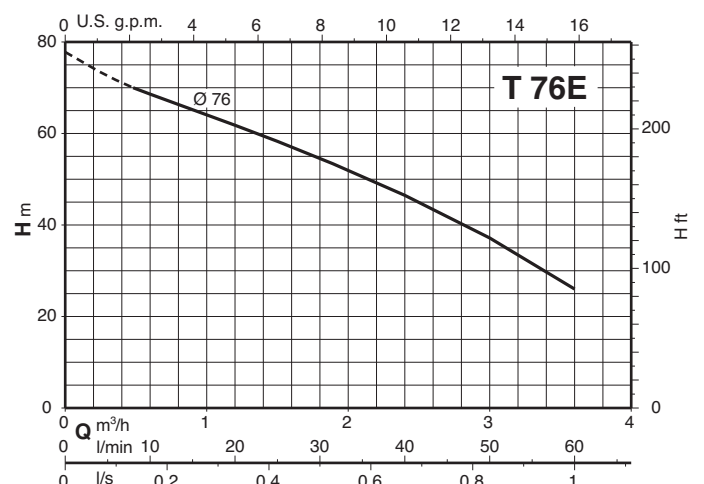
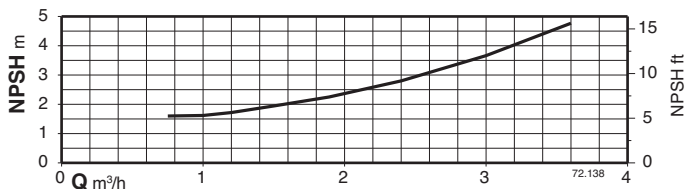
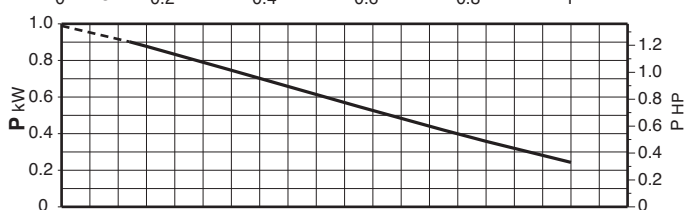
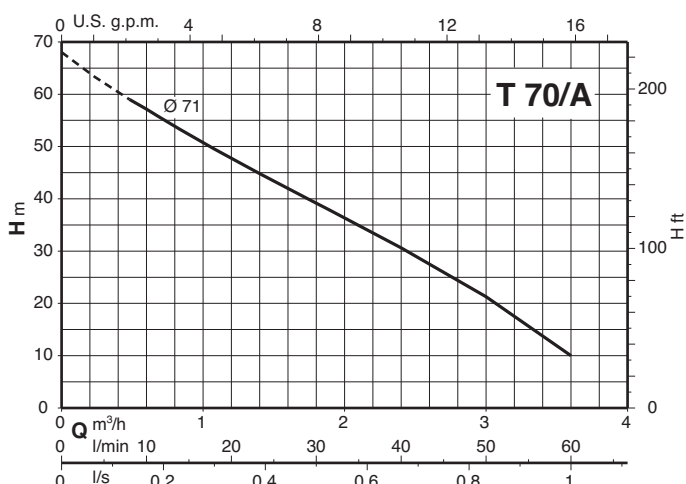
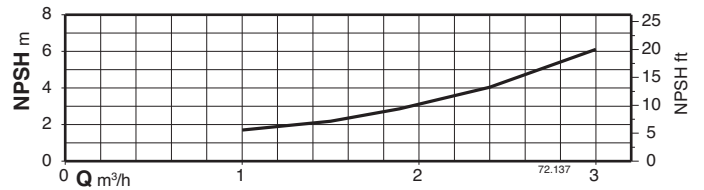
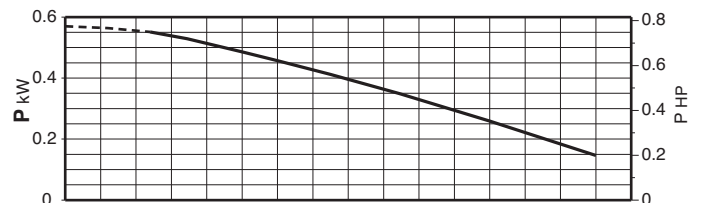
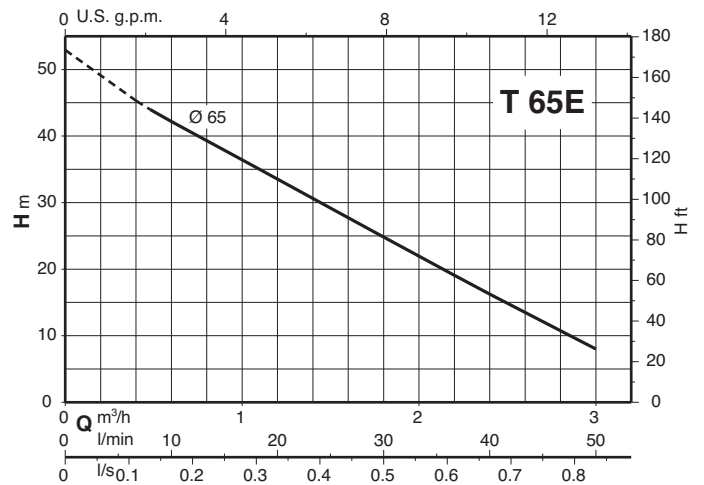
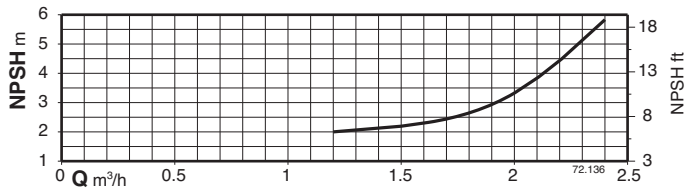
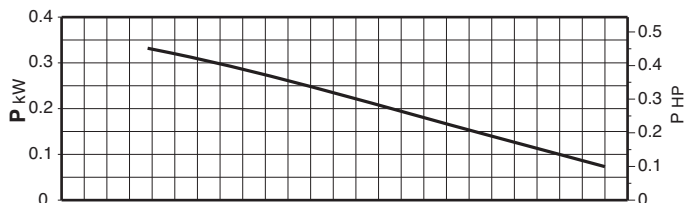
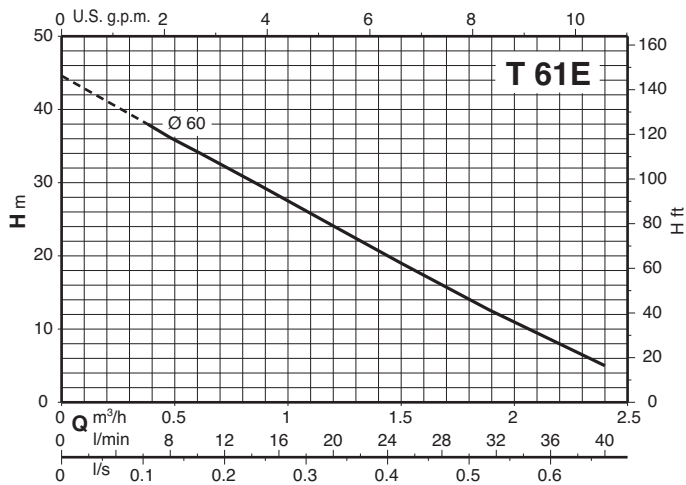
T 65E: kg 7,3



TYPE	DN1	DN2	mm					kg	
			a	f	h2	h3	l2	T	B-T
T 70/A B-T 70/A	G 1	G 1	24	278	100	121	63	11,2	11,6
TP 78/A B-TP 78/A	G 1/2	G 1/2	22	276	80	127	56	8,2	8,8

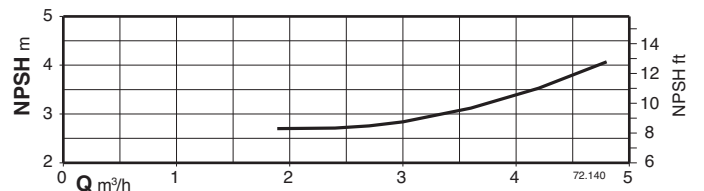
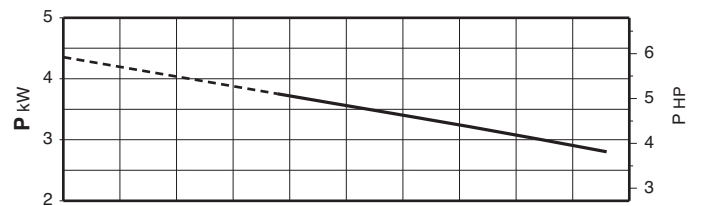
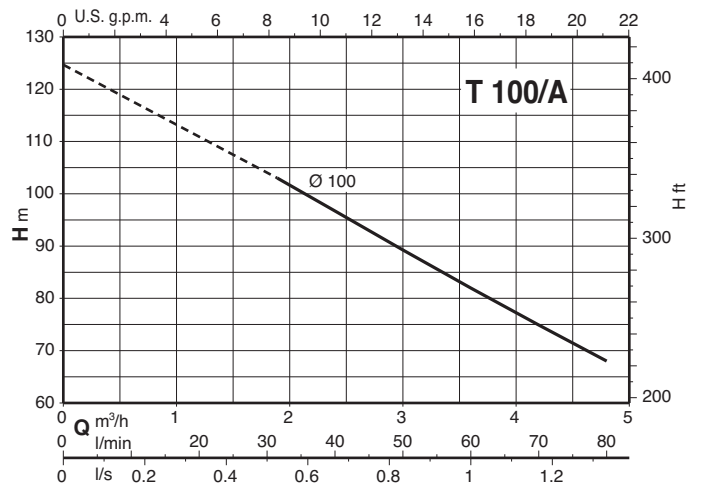
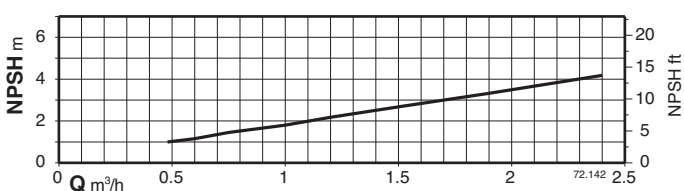
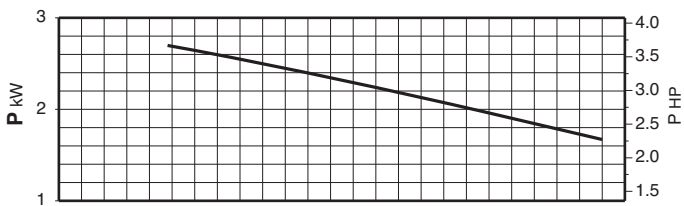
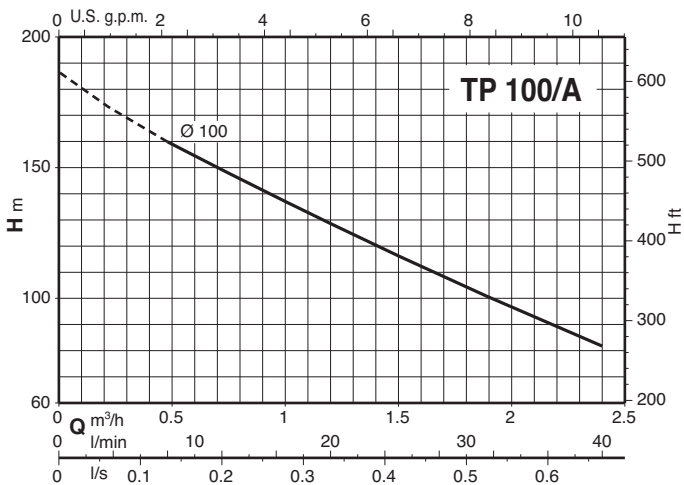
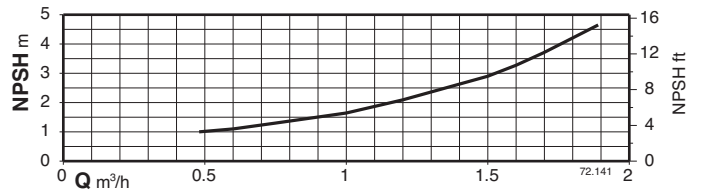
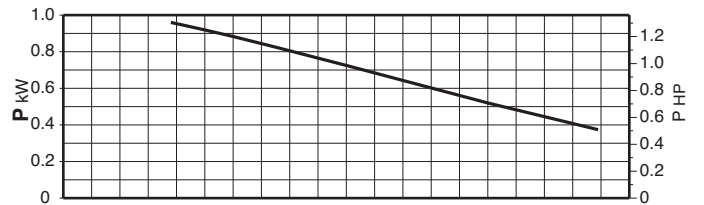
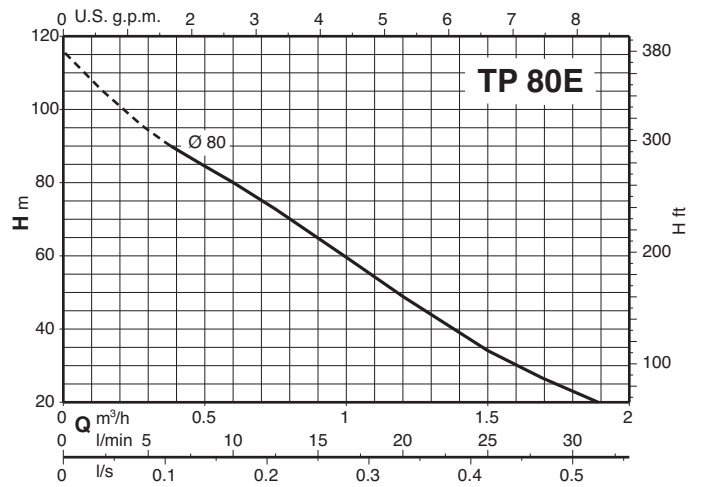
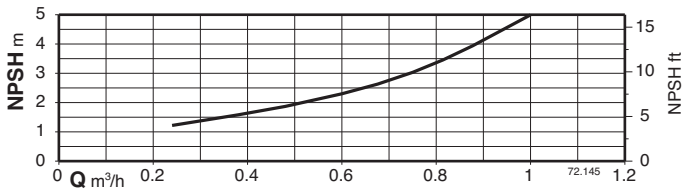
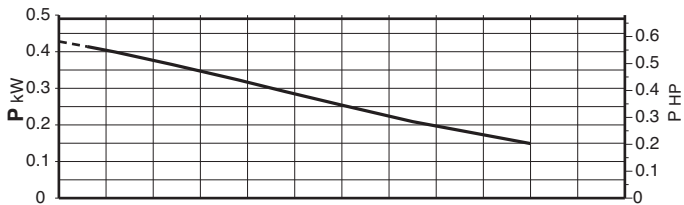
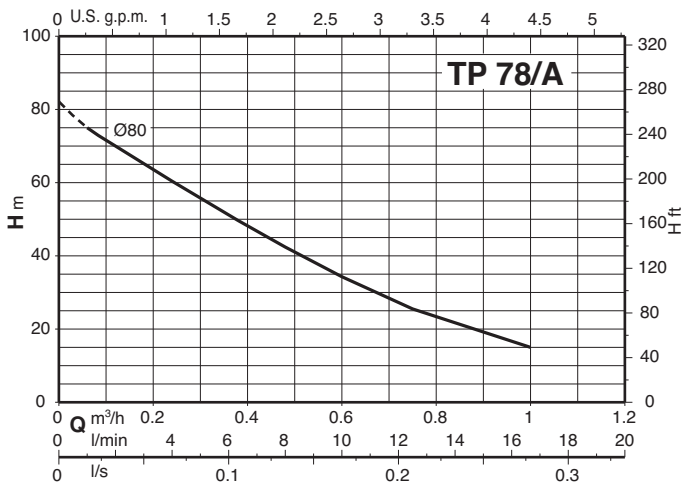


TYPE	DN1	DN2	mm																kg	
	ISO 228		a	f	h1	h2	h3	h4	m1	m2	n1	n2	b	s	l1	l2	w	g	T, TP	B-TP
T 76E –	G 1 1/4	G 1 1/4	26	338	80	112	136	203	117	100	155	125	30	9	-	80	105	10	18,4	-
T 100/A –	G 1 1/4	G 1 1/4	32	410	90	130	161	226	152	125	180	140	40	9,5	-	95	121	12	32,5	-
T 125/A –	G 1 1/4	G 1 1/4	32	470	90	155	170	226	152	125	180	140	40	9,5	-	90	195	12	39,5	-
TP 80E B-TP 80E	G 3/4	G 3/4	27	332	80	90	135	203	117	100	155	125	30	9	-	60	104	10	16,4	16,8
TP 100/A –	G 3/4	G 3/4	27	387	80	100	142	203	117	100	155	125	30	9	-	65	113	10	23,2	-
TP 132R/A – TP 132/A –	G 1 1/4	G 1 1/4	42	485	112	160	202	272	180	140	230	190	50	11,5	-	100	183	14	53,6 58,5	- -

Characteristic curves $n \approx 2900$ rpm


T, TP Peripheral Pumps

Characteristic curves $n \approx 2900$ rpm



Characteristic curves $n \approx 2900$ rpm
