TWISTERPUMP

TECHNICAL DATA



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1. Technical Specifications

General Characteristics

Product:	Positive displacement pump
Approach:	Rotary-piston slide-rotor
Direction of rotation:	Bidirectional
Noise level:	60-80 dB(A)
Mounting:	Horizontal or vertical

Model Range Parameters

Design pressure:	16 bar (standard) 40 bar (as option)
Vacuum:	- 0.92 bar
Capacity:	Up to 250 m³/h[1]
Fluid temperature:	Up to 180°C[2]
Ambient temperature:	- 30°C to 70°C [3]
Particle size:	Up to 2.5 mm
Viscosity:	Up to 250,000 mPa·s

[1] Higher capacity pumps up to 1,000 m³/h can be delivered as custom orders.
[2] Higher fluid temperatures up to 450°C can be handled with custom configurations.
[3] The temperature range can be extended by applying additional heating or cooling solutions.

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Casing

Flange design standard:	DIN or ANSI
Flange position:	Inline

Seals

Seal type options:	Single mechanical component seal (standard) Cartridge single or double seal (as option)

Bearings

Type:	Spherical roller / deep groove ball, sealed for life

Materials

Rotor options:	Rigor 1.2363 Stainless steel AISI 316
Contact surface treatment:	Boronizing
Casing options:	Stainless steel AISI 304 Stainless steel AISI 316 Ductile cast iron GJS 500-14
Shaft’s rotating part:	EN 1.7225

Finishing

Color options:	RAL5000 (standard) Other RAL colors as option
Corrosion protection standard:	ISO 12944 C3 (standard) Other classes as option

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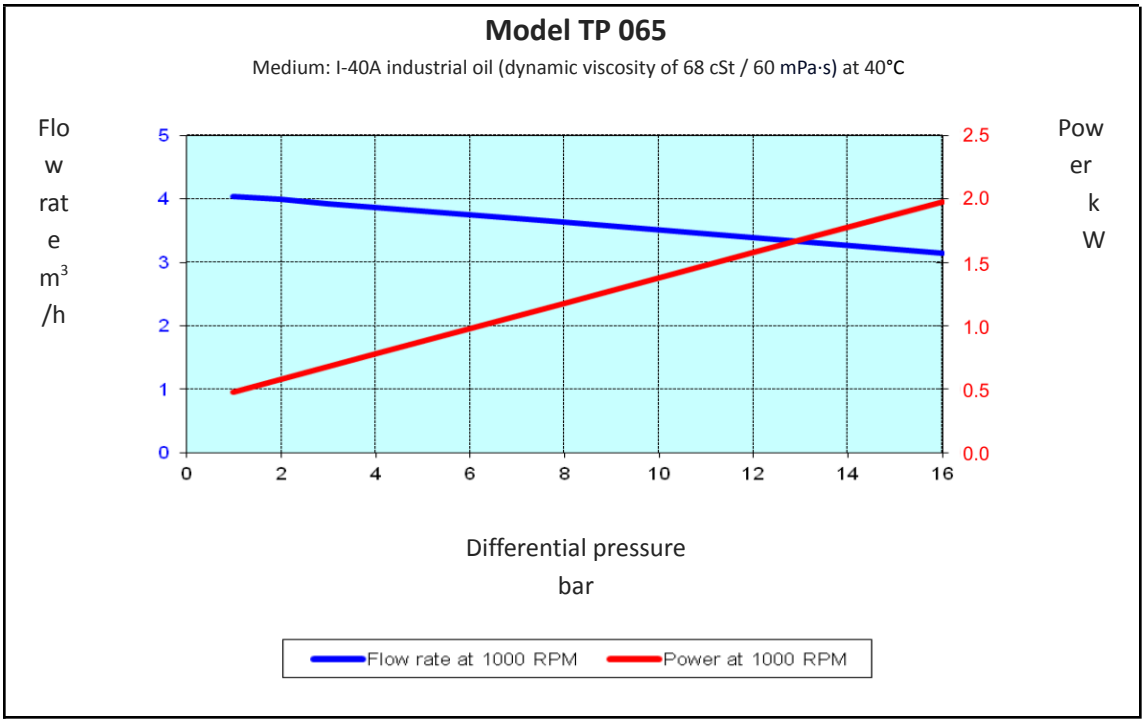
Standard Model Parameters

Parameter	**TP 065**	**TP 092**	**TP 116**	**TP 130**	**TP 195**	**TP 260**	**TP 360**
Capacity [m³/h]:	3	10	20	30	60	120	250
Design pressure [bar]:	16	16	16	16	16	16	16
Rotational speed [RPM] min. / max.:	50 / 1,000	30 / 1,000	30 / 1,000	30 / 1,000	30 / 600	30 / 500	30 / 300
Displacement [l] per revolution:	0.063	0.19	0.35	0.53	1.75	4.00	10.83
Weight [kg]:	25	33	64	65	159	315	520

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2. Performance curves

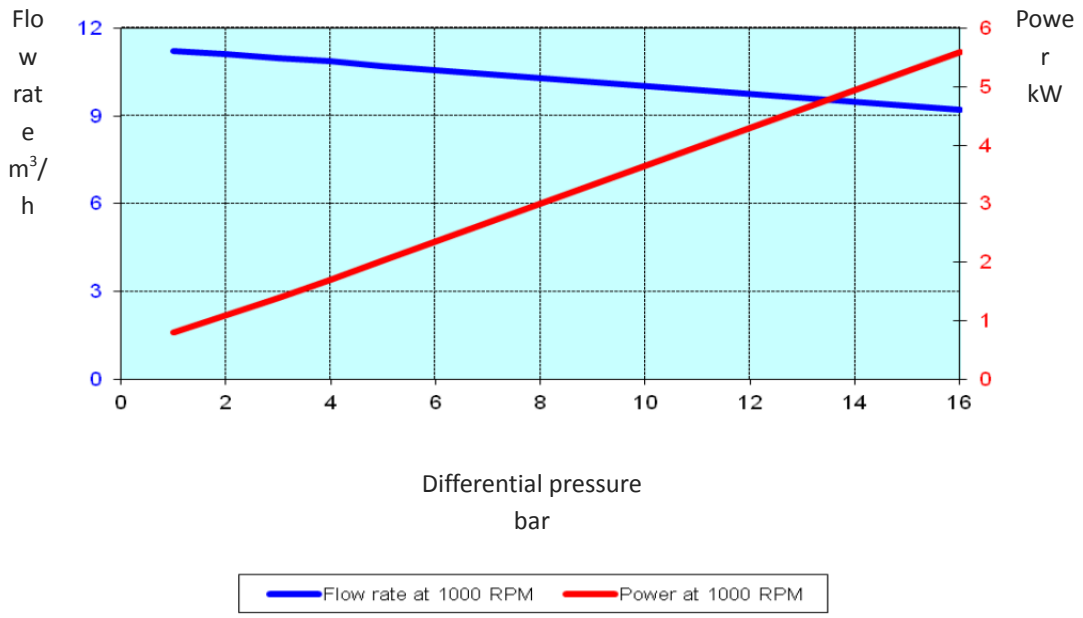
The following graphs display TwisterPump standard models' performance curves measured running the pumps with **I-40A industrial oil (dynamic viscosity of 68 cSt / 60 mPa·s) at 40°C**. In the graphs, the power consumption value means the total power consumed by the pump electric drive and a frequency converter. Tolerances are in accordance with VDMA 24284 Group II.



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Model TP 092

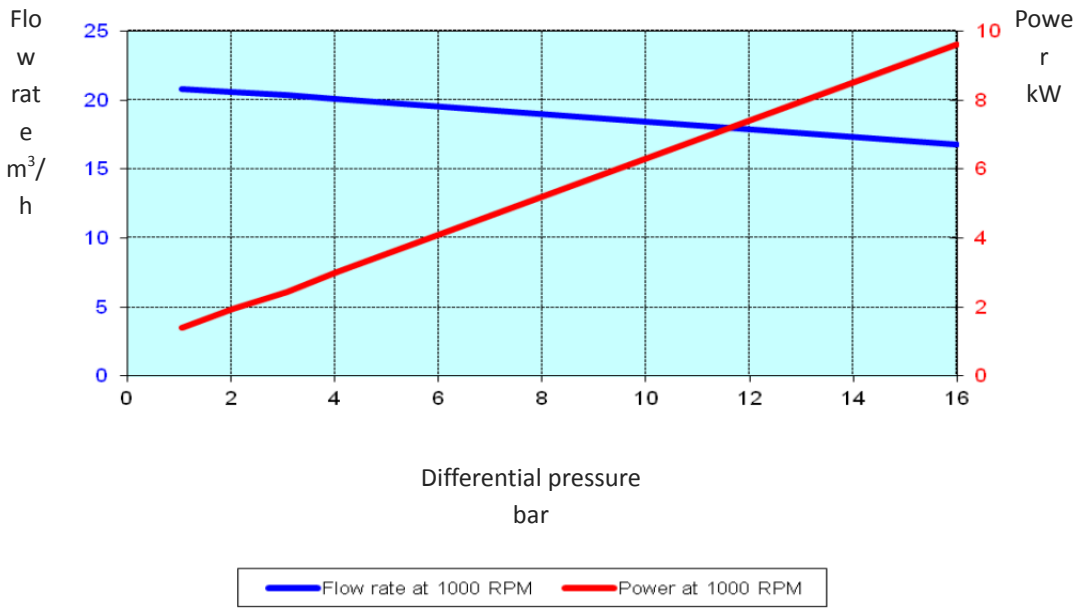
Medium: I-40A industrial oil (dynamic viscosity of 68 cSt / 60 mPa·s) at 40°C



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Model TP 116

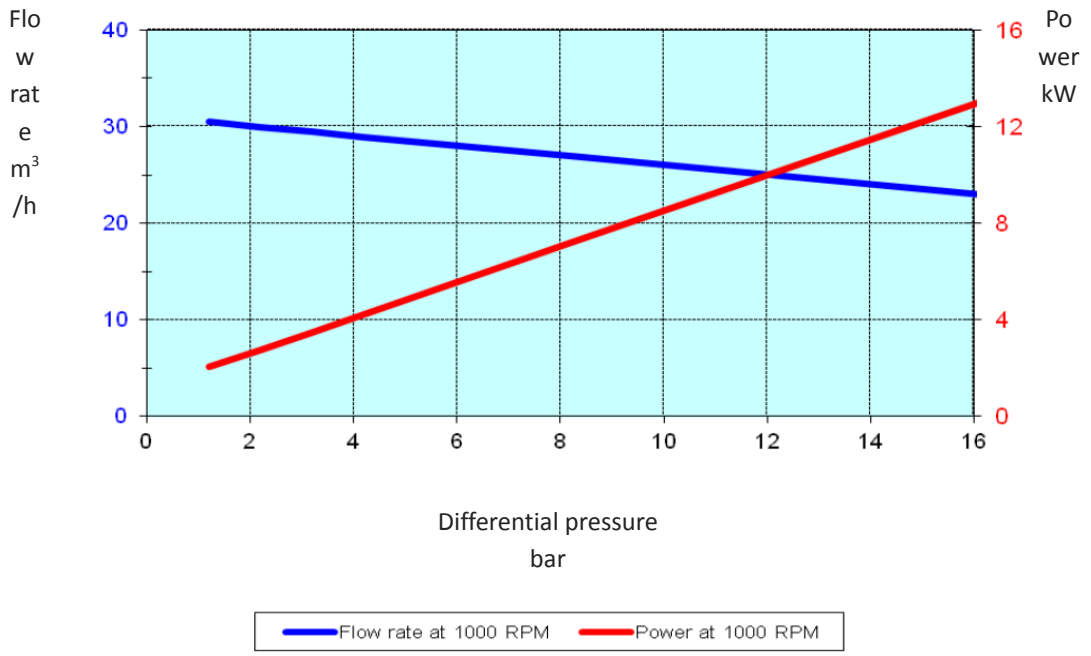
Medium: I-40A industrial oil (dynamic viscosity of 68 cSt / 60 mPa·s) at 40°C



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Model TP 130

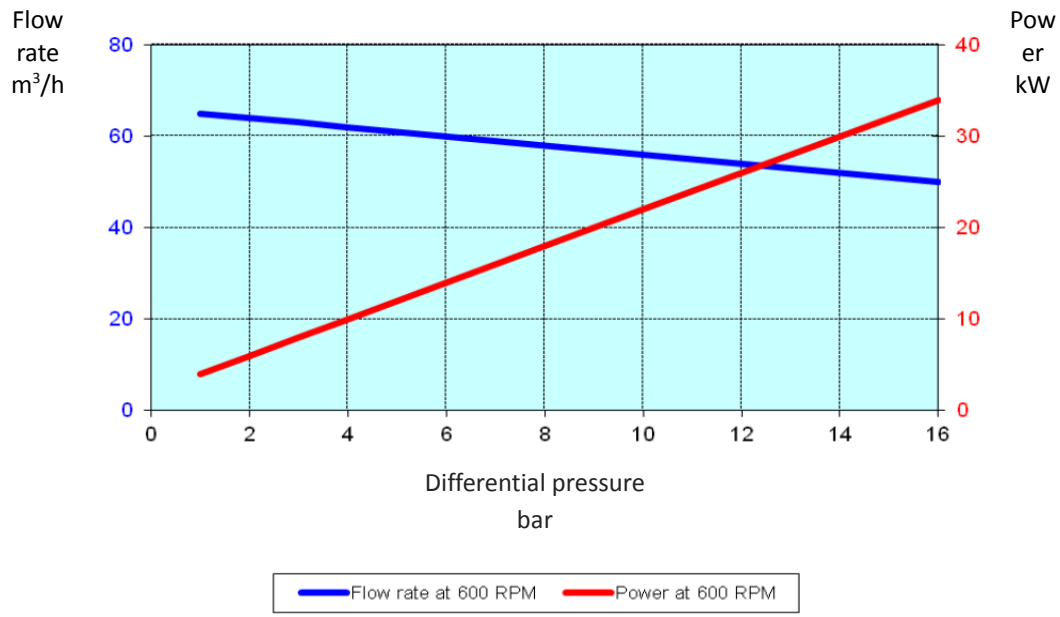
Medium: I-40A industrial oil (dynamic viscosity of 68 cSt / 60 mPa·s) at 40°C



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Model TP 195

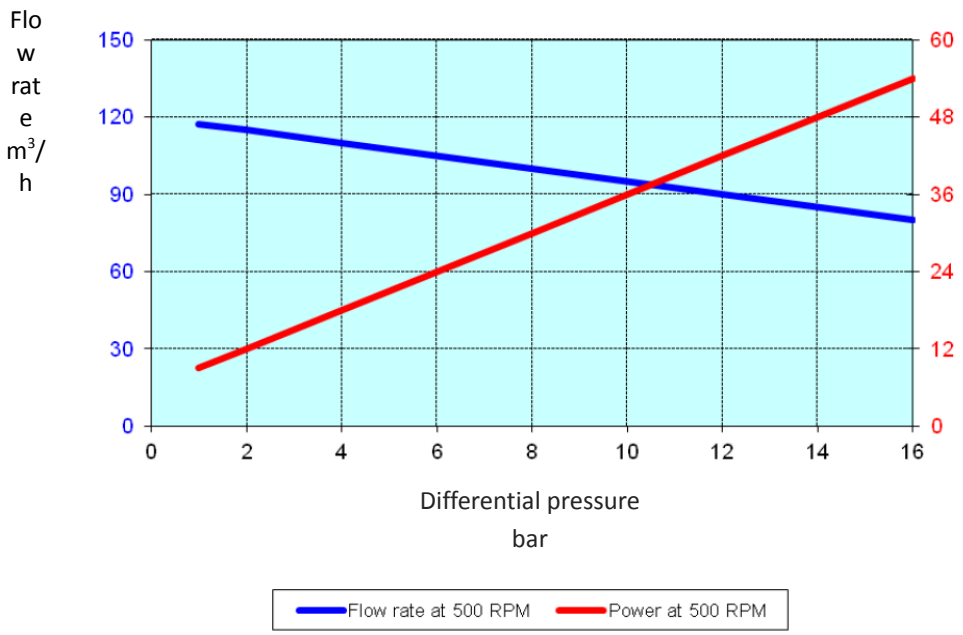
Medium: I-40A industrial oil (dynamic viscosity of 68 cSt / 60 mPa·s) at 40°C



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Model TP 260

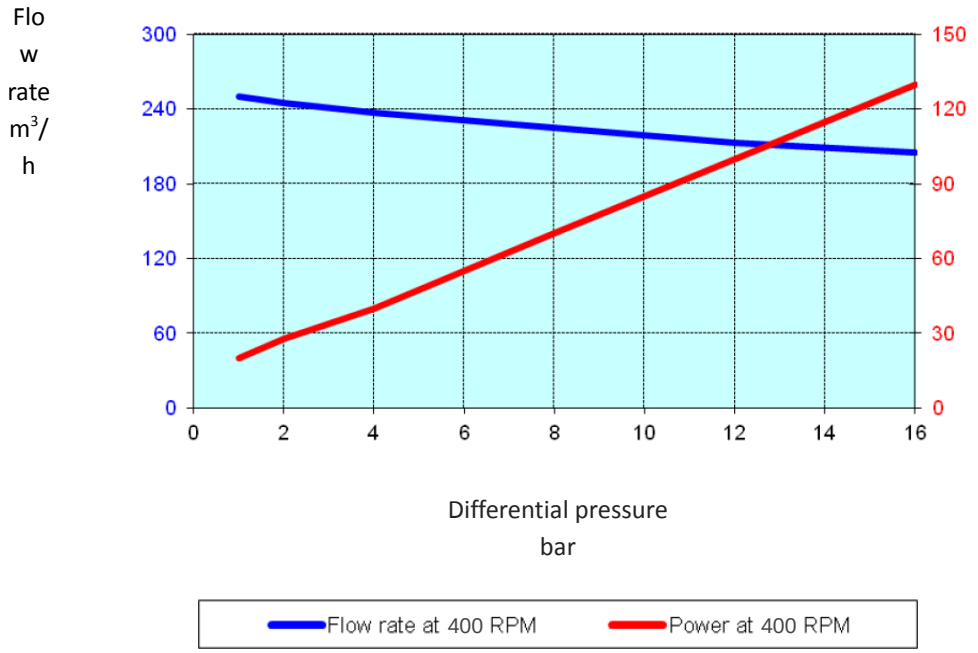
Medium: I-40A industrial oil (dynamic viscosity of 68 cSt / 60 mPa·s) at 40°C



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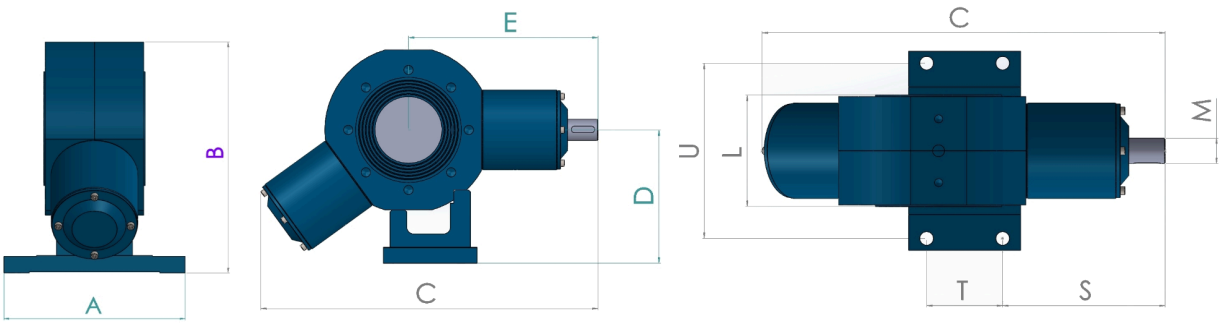
Model TP 360

Medium: I-40A industrial oil (dynamic viscosity of 68 cSt / 60 mPa·s) at 40°C



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3. GA Drawings



Parameter	TP 065	TP 092	TP 116	TP 130	TP 195	TP 260	TP 360
Width (A) [mm]:	175	175	250	250	250	390	368
Height (B) [mm]:	220	248	320	320	426	517	625
Length (C) [mm]:	383	426	512	512	712	931	1,113
Port size:	2'' BSP	DN 65 PN16	DN 100 PN16	DN 100 PN16	DN 150 PN16	DN 200 PN16	DN 250 PN16
Port / shaft centre height (D) [mm]:	140	158	200	200	265	327	385
Distance E [mm]:	221	242.5	288	288	394	530	631.5
Width L [mm]:	100	106	140	140	200	270	368
Distance M [mm]:	22	28	32	32	40	60	75
Distance S [mm]:	166	184	208	208	300	423	493
Distance T [mm]:	65	65	95	95	120	165	242
Distance U [mm]:	150	150	220	220	220	340	300
Weight [kg]:	25	33	64	65	159	315	520