

PDS-PCP-0576

## NTZ 278\*100DIT14.6 (Insertable PCP)

### ISO-14.6-1000

#### Technical Data

Nominal Flow	100 rpm $\Delta p = 0$	[m <sup>3</sup> /d]	14,6	Geometry Style	Multi Lobe		
		[bpd]	92		Engaged Cavities	17	
Design Pressure	[bar]	100		Operating Speed		min.*	[rpm]
	[psi]	1450			max.*	[rpm]	500

\*(Manufacturer's Recommendation.)

#### Insert Set Data

Seating Type	N11-25 Nipple (API 11AX)		Maximum Outside Diameter	[mm]	59,6
Minimum Tubing Size	2 7/8" x 6,5 lb/ft			[in]	2,3
Rod Size Connection	API 11B	7/8" PIN	Pump Total Weight	[kg]	76
				[lb]	168,1

Pump Total Length	[mm]	6909
	[ft]	22,7

#### Rotor Data

Length	[mm]	3660	
	[ft]	12,0	
Weight	[kg]	11	
	[lb]	24,4	
Coating	Chrome	Tickness [μm]	Up to 500
Swept Angle		[Degrees]	NA

#### Stator Data

Length	[mm]	3135
	[ft]	10,3
Weight	[kg]	27
	[lb]	58,8



#### Rotor Positioning Data

Spacing Length	[mm]	350			
	[ft]	1,1			
Rod Size	5/8"	3/4"	7/8"	1"	
k*	0,117	0,067	0,037	0,017	

\*(Applied in Accordance with Pump Instruction Manual.)

#### Anchoring Data

Seat Seal Type		Elastomer Seal or PTFE Cups Seal	
Axial Load	Anchor	[kgf]	200
		[lbf]	441
	Unanchor	[kgf]	1000
		[lbf]	2205

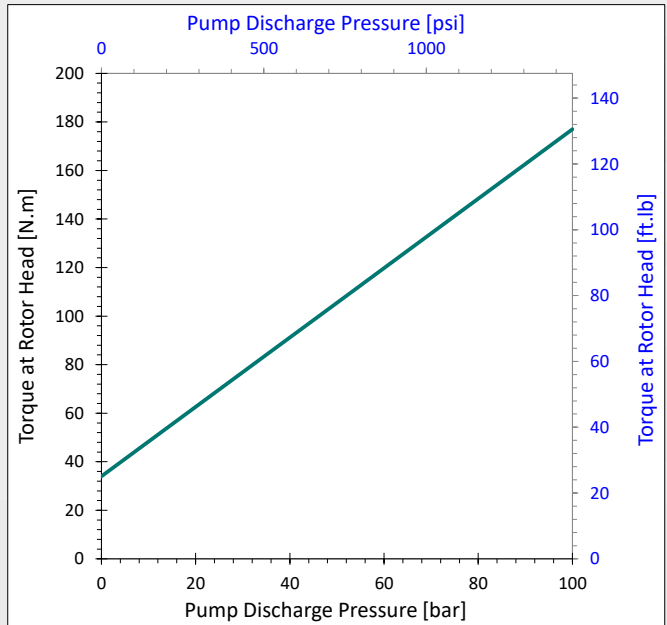
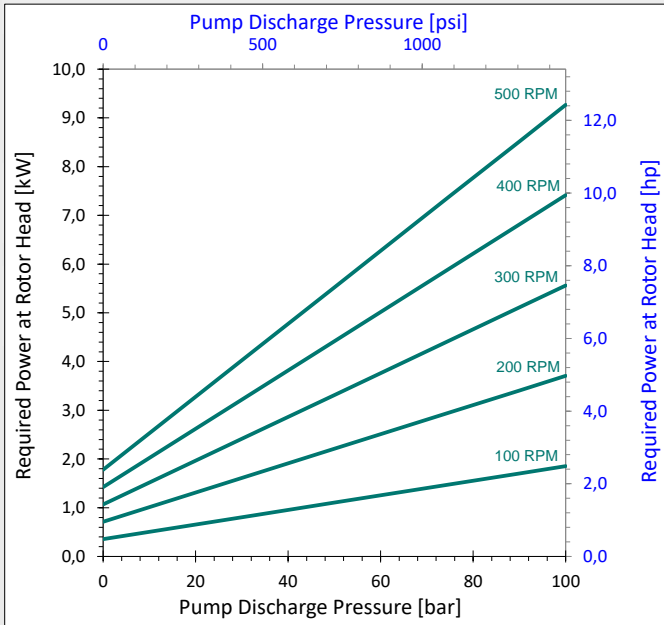
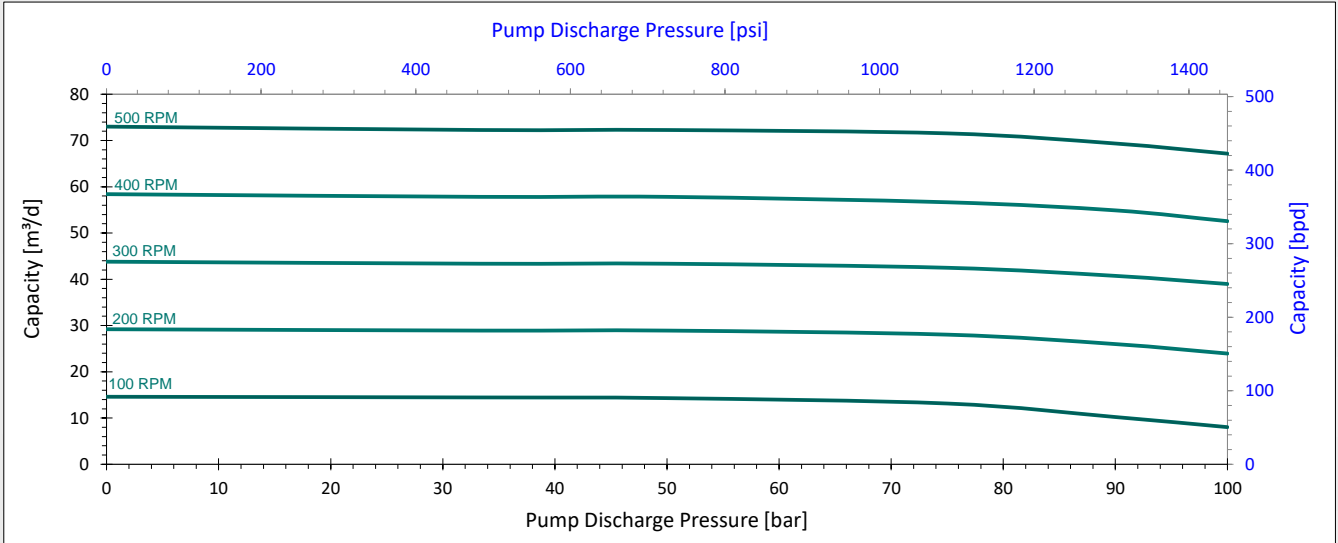
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#### Performance Curves and Efficiency of PCP



**Notes:**

- \* The pump was tested with water using a standard rotor, whose dimensions are according to our tolerance classes.
- \* Tolerance classes of PCP are based on our experience combining good performance and long life.
- \* The optimum performance will be reached after a running time of approximately 100 hours.
- \* Volumetric displacement of pumps can vary within a range of -5% and +10% at zero head.
- \* Pump performance will vary with each application.

#### Documentation

Instruction Manual	NETZSCH Progressing Cavity Pump
Elastomer	NTZ Elastomer Overview