

PDS-PCP-0355

NTZ 238*060DT14

ISO-14-600

Technical Data

Nominal Flow	100 rpm $\Delta p = 0$	[m ³ /d]	14	Geometry Style		Multi Lobe	
		[bpd]	88	Engaged Cavities		10	
Design Pressure		[bar]	60	Operating Speed	min.*	[rpm]	10
		[psi]	870		max.*	[rpm]	500

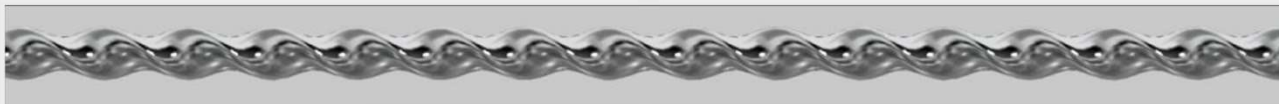
*(Manufacturer's Recommendation.)

Stator Data

Connection	API 5B	2 3/8" EU PIN	Maximum Outside Diameter (Coupling)		[mm]	77,8
				[in]	3,1	
Total Length	[mm]	1665	Weight	[kg]	20,4	
	[ft]	5,5		[lb]	45,0	

Rotor Data

Connection	API 11B	5/8" PIN	Coating	Chrome	Tickness [μ m]	Up to 500
Total Length	[mm]	2190	Swept Angle		[Degrees]	NA
	[ft]	7,2				
Maximum Rotor Diameter	[mm]	34,9	Weight		[kg]	10,1
	[in]	1,4			[lb]	22,3
Maximum Rotor Orbit Diameter	[mm]	41,4	Minimum Tubing Size		2.3/8" x 7,45 lb/ft	
	[in]	1,6				



Stop Pin Data

Stop Pin Length	[mm]	350
	[ft]	1,1
Maximum Axial Load	[kN]	98
	[lbf]	22000

Rotor Positioning Factor

Rod Size	5/8"	3/4"	7/8"	1"
k*	0,179	0,109	0,068	0,041

*(Applied in Accordance with Pump Instruction Manual.)

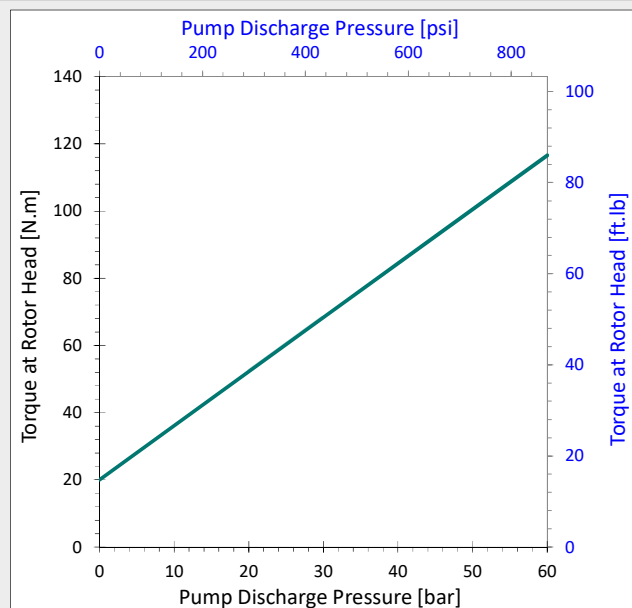
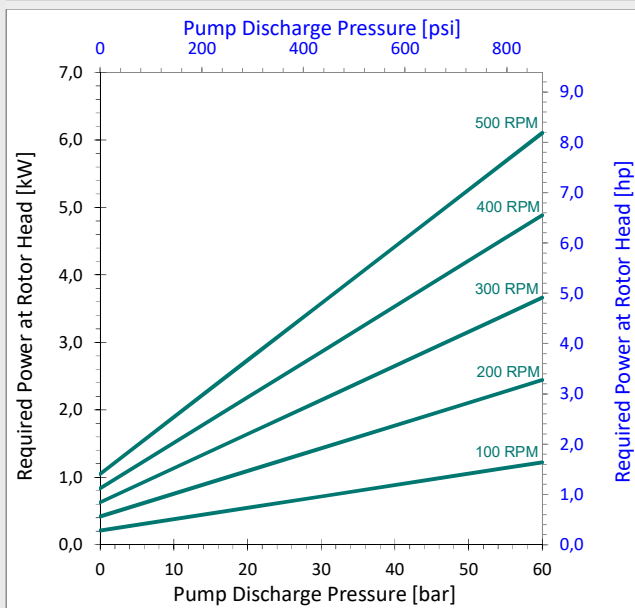
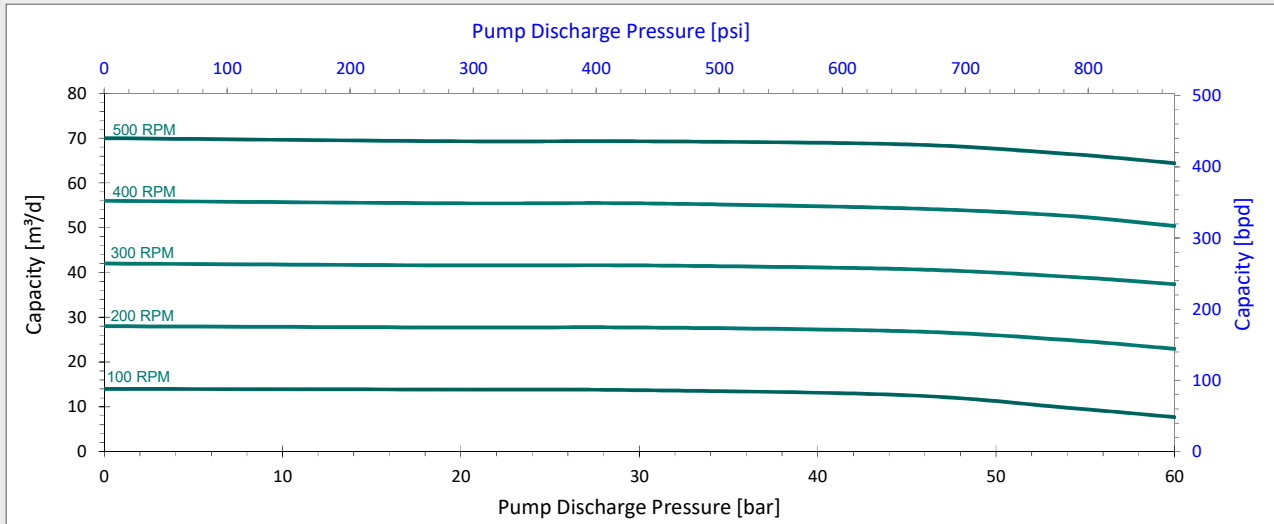
Rev.	00	Date	July 31, 2023
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Performance Curves and Efficiency of PCP



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