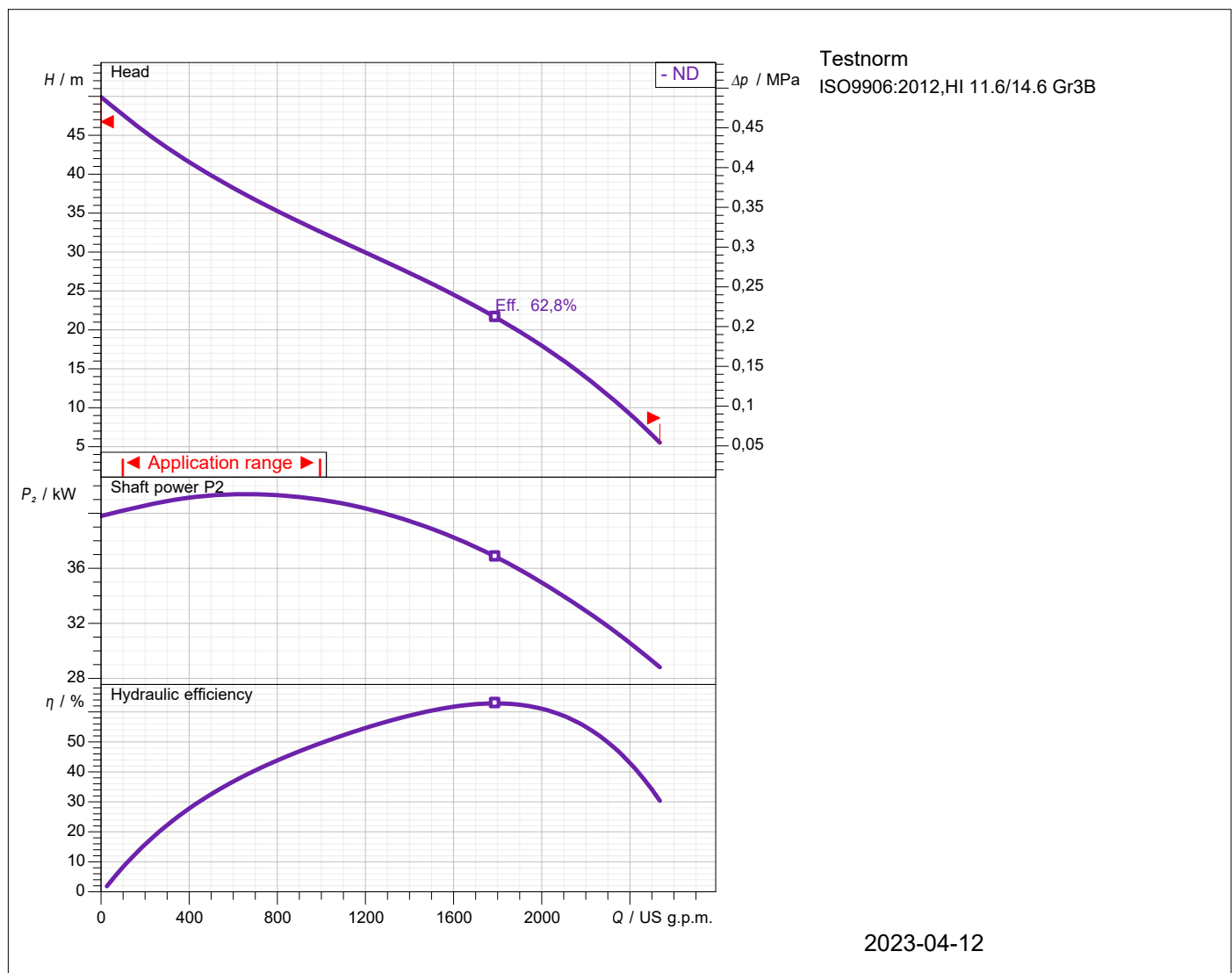


J 405 ND 60HZ

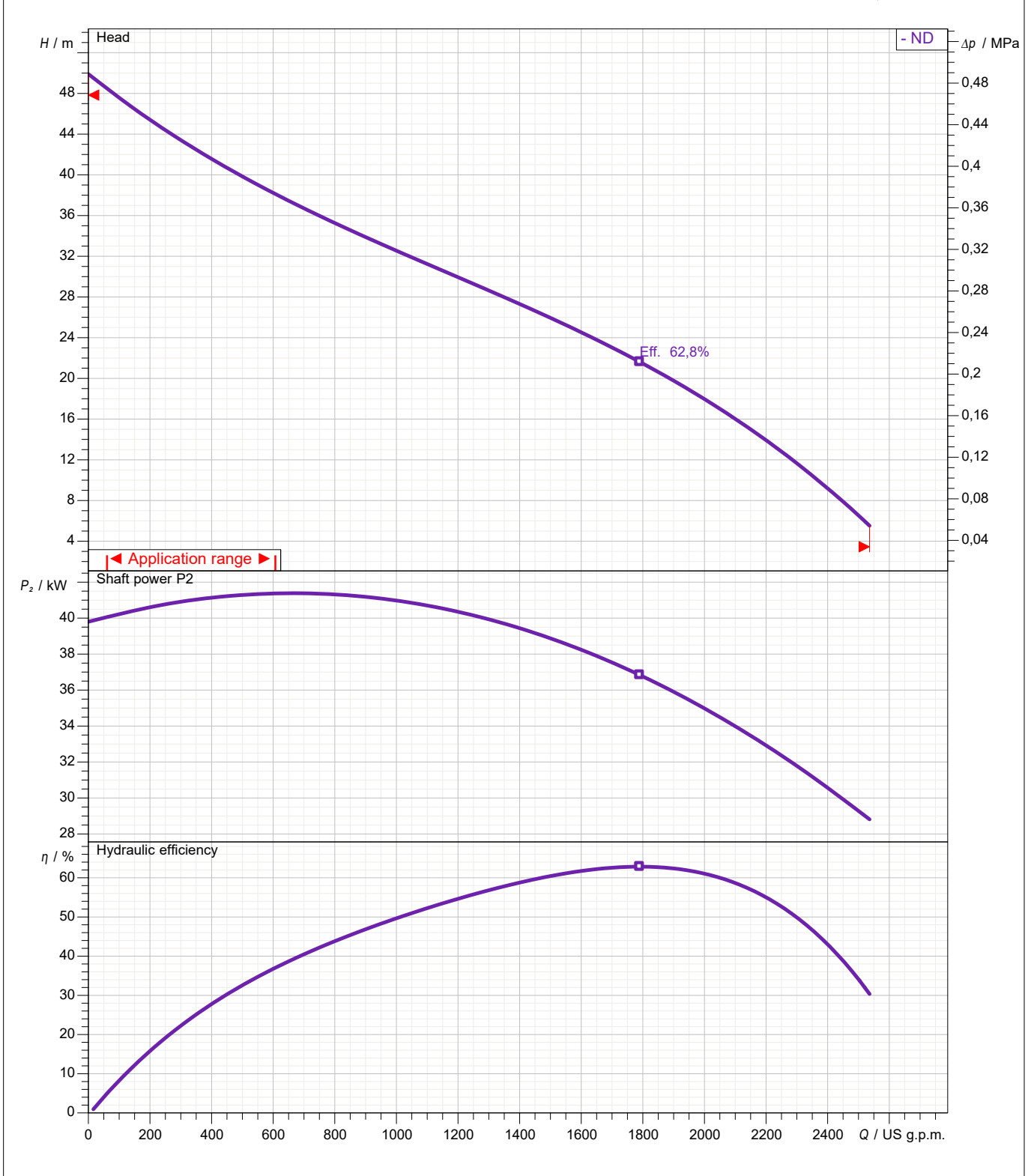


2023-04-12

Operating data specification Flow Efficiency NPSH Temperature 20 °C No. of pumps 1		Power input Head Rated power Fluid Water Nature of system Single head pump	
Pump data Type J 405 ND 60HZ Series J 205-604 N° of vanes Free passage Discharge flange 6" Moment of inertia		Make SULZER Impeller Semi-open impeller Impeller size 185 mm Suction flange 6" Type of installation Installation	
Motor data Rated voltage 460 V Rated power P2 43 kW Number of poles 2 Power factor 0,849 Starting current 491 A Starting torque Insulation class F		Frequency 60 Hz Nominal Speed 3450 1/min Efficiency 93,4 % Rated current 68 A Rated torque 119 Nm Degree of protection IP 68 No. starts per hour 15	

Curve number	Pump performance curves			SULZER	
Reference curve J405ND60HZ					

				Discharge 6"	Frequency 60 Hz
Density 998,3 kg/m ³	Viscosity 1,005 mm ² /s	Testnorm ISO9906:2012,HI 11.6/14.6 Gr3B		Rated speed 3450 1/min	Date 2023-04-12
Flow	Head	Shaft power	Power input	Rated power P2 43 kW	Hydraulic efficiency NPSH



Impeller size 185 mm	N° of vanes	Impeller Semi-open impeller	Solid size	Revision J405 ND-60Hz-AE
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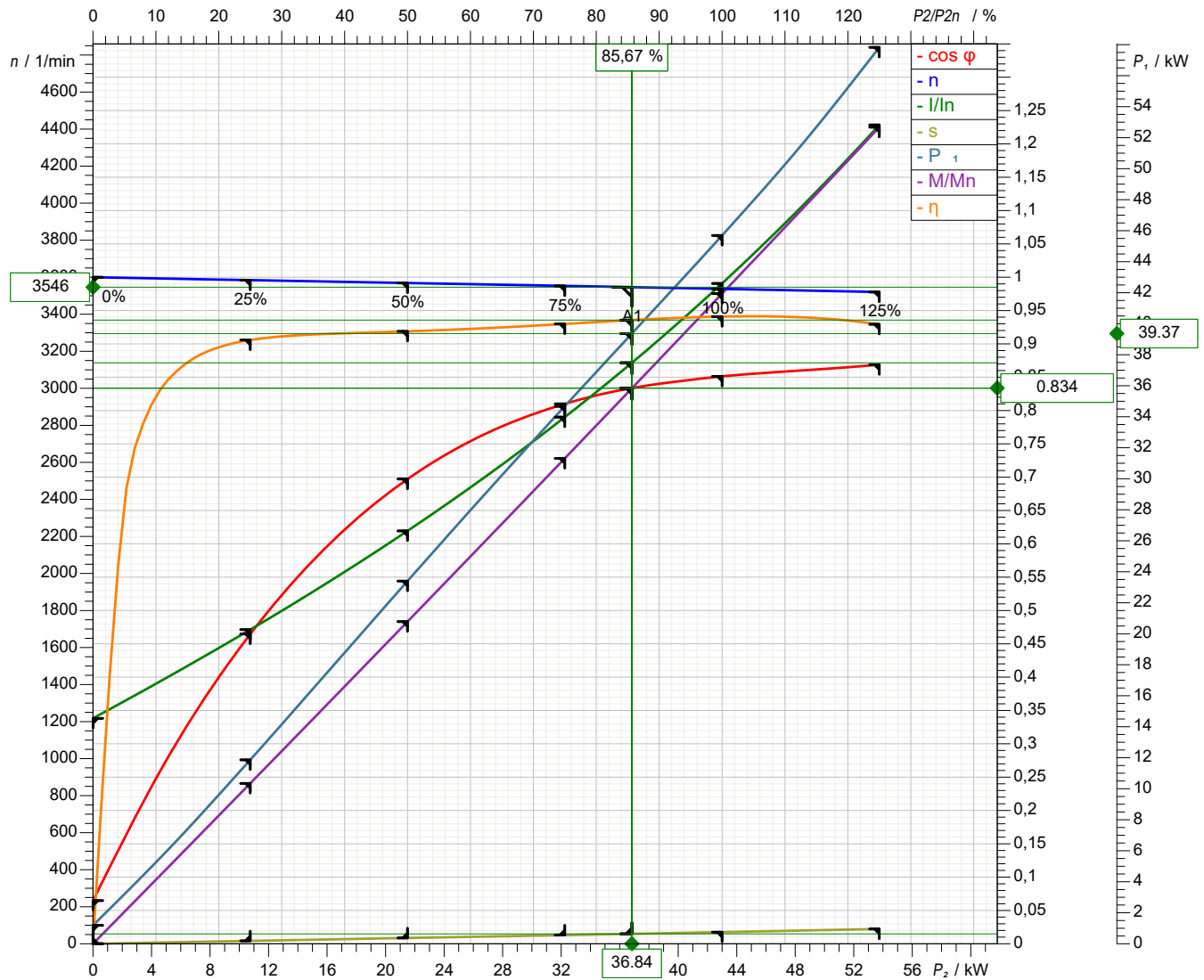
Frequency
60 Hz

Motor performance curve



JM420/2-60

Rated power 43 kW	Service factor 1	Nominal Speed 3450 1/min	Number of poles 2	Rated voltage 460 V	Date 2023-04-12
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Symbol	No loac	25 %	50 %	75 %	100 %	125 %
P ₂ / kW	0	10,75	21,5	32,25	43	53,75
P ₁ / kW	1,187	11,87	23,4	34,68	45,7	57,83
η / %	0	90,58	91,88	92,99	94,1	92,94
n / 1/min	3600	3584	3569	3553	3537	3520
cos φ	0,0647E	0,4648	0,6972	0,8101	0,8513	0,8689
I / A	23	32,05	42,13	53,73	67,37	83,54
s / %	0,00154E	0,4387	0,8686	1,302	1,75	2,223
M / Nm	0	28,64	57,53	86,67	116,1	145,8

Tolerance according to VDE 0530 T1 12.84 for rated power

Starting current 491 A	Starting torque	Moment of inertia	No. starts per hour 15
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