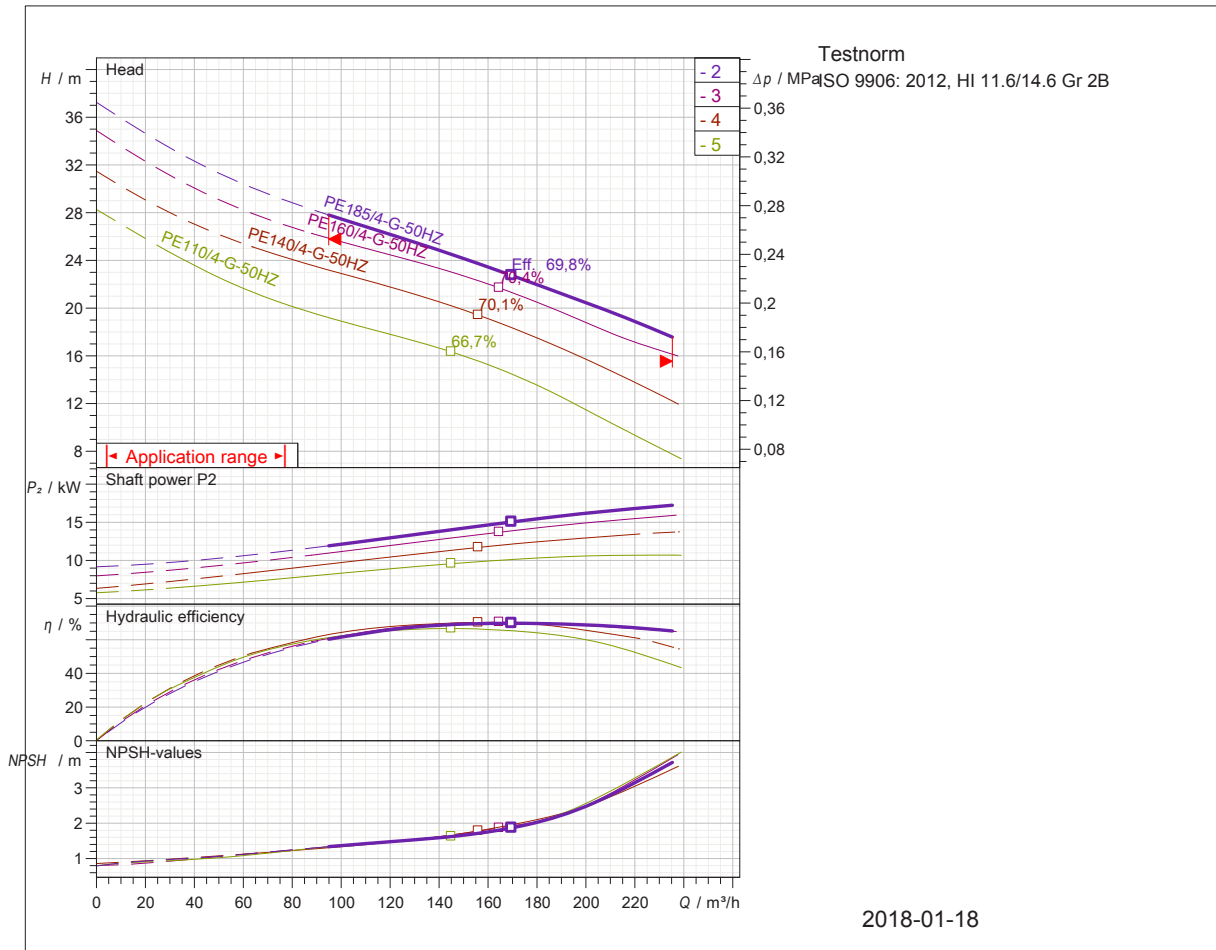


SULZER XFP100G PE185 SUBMERSIBLE DEWATERING PUMP



Operating data specification		Head	
Flow		Shaft power	
Efficiency		Fluid	Water
NPSH		Nature of system	Single head pump
Temperature	20 °C		
No. of pumps	1		
Pump data		Make	SULZER
Type	XFP100G CB1 50HZ	Impeller	Contrablock Plus impeller, 1 vane
Series	XFP PE1-PE3	Impeller size	300 mm
N° of vanes	1	Suction flange	DN100
Free passage	100 mm	Type of installation	Not chosen
Discharge flange	DN100		
Moment of inertia	0,118 kg m ²		
Motor data		Frequency	50 Hz
Rated voltage	400 V	Nominal Speed	1470 1/min
Rated power P2	18,5 kW	Efficiency	92,6 %
Number of poles	4	Rated current	36,9 A
Power factor	0,782	Rated torque	120 Nm
Starting current	320 A	Degree of protection	IP 68
Starting torque	440 Nm	No. starts per hour	15
Insulation class	H		

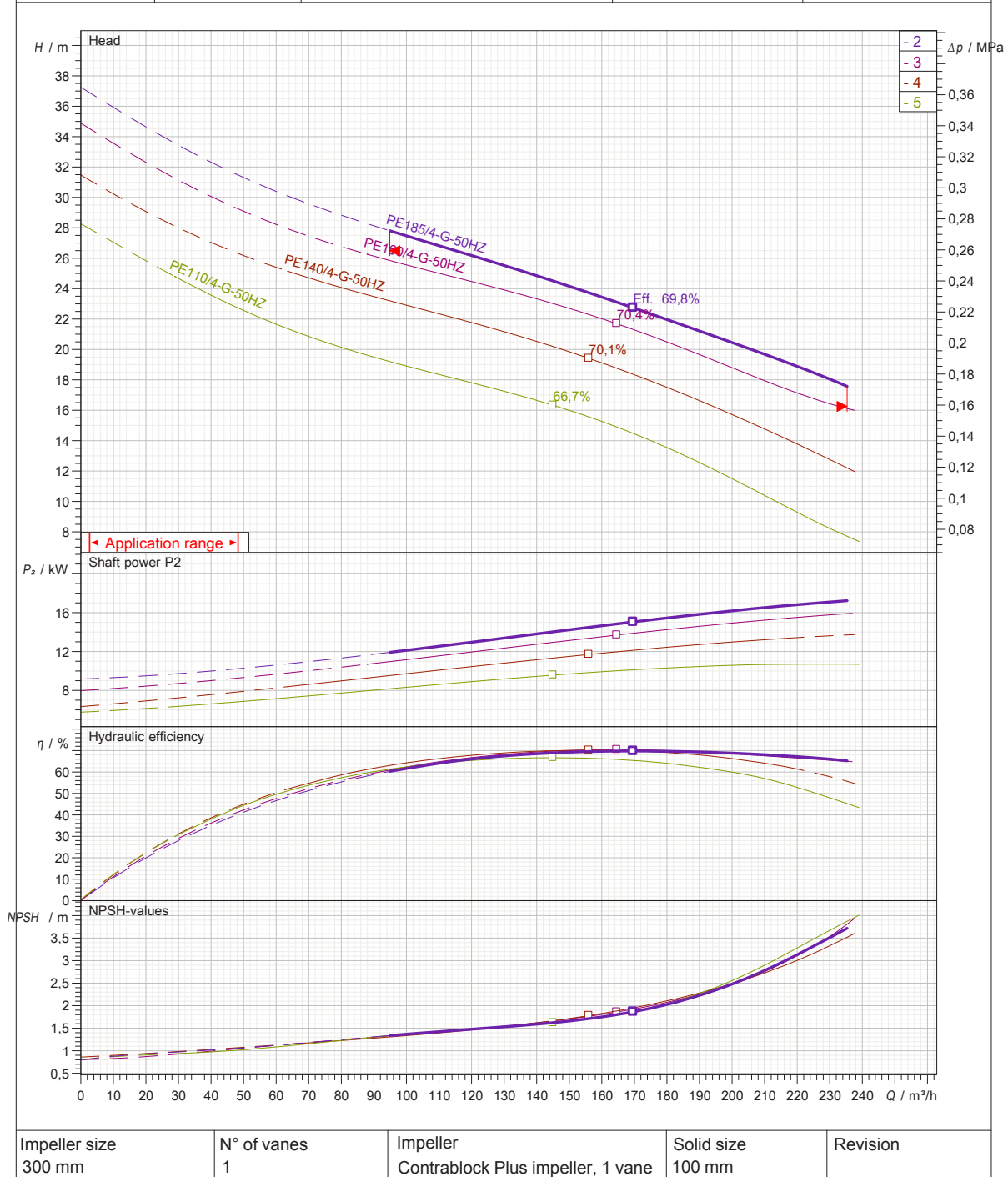
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SULZER XFP100G PE185 SUBMERSIBLE DEWATERING PUMP

			Discharge DN100	Frequency 50 Hz
Density 998,3 kg/m³	Viscosity 1 mm²/s	Testnorm ISO 9906: 2012, HI 11.6/14.6 Gr 2B	Rated speed 1474 1/min	Date 2018-01-18
Flow	Head	Rated power	Hydraulic efficiency	NPSH



Impeller size 300 mm	N° of vanes 1	Impeller Contrablock Plus impeller, 1 vane	Solid size 100 mm	Revision
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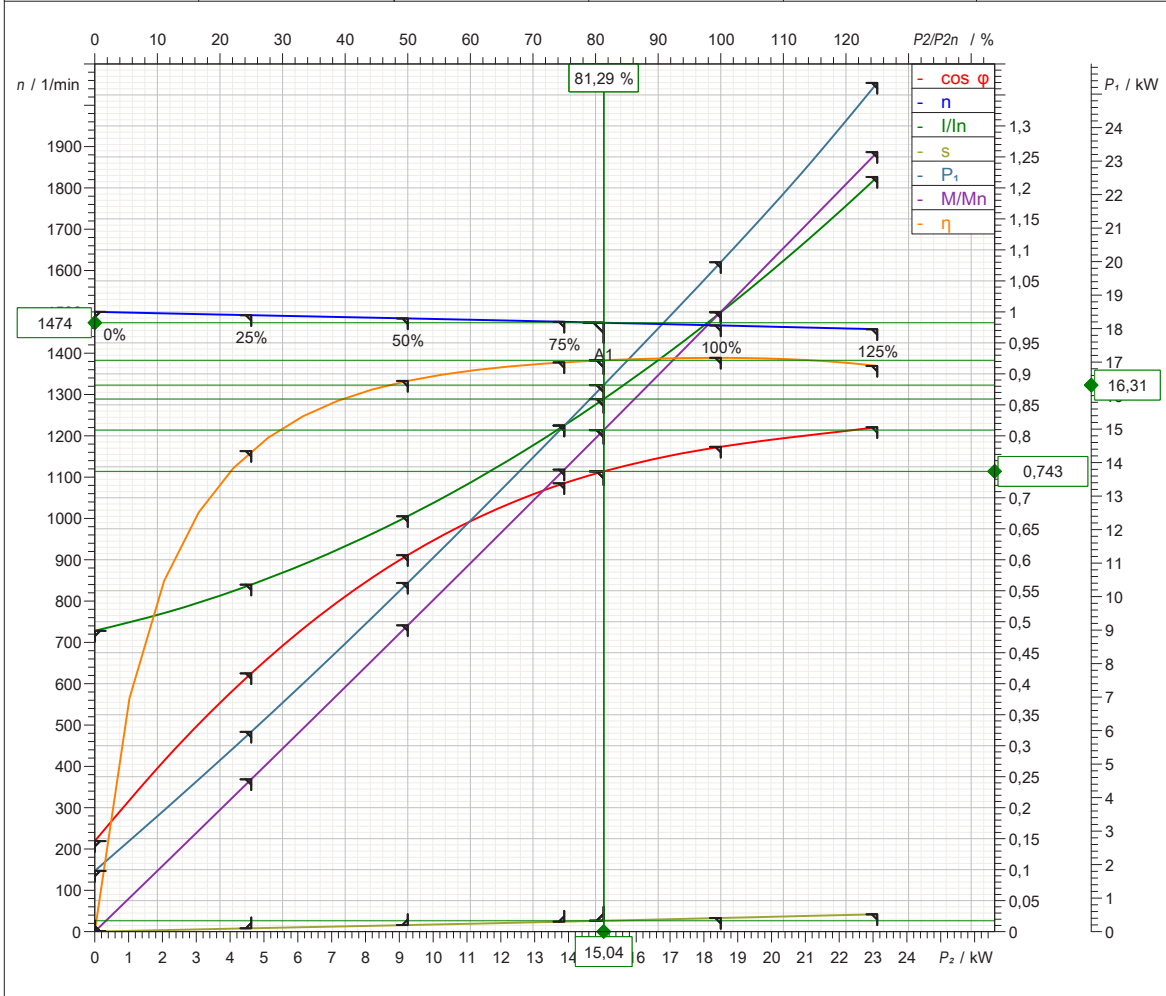
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SULZER XFP100G PE185 SUBMERSIBLE DEWATERING PUMP

Rated power 18,5 kW	Service factor 1	Nominal Speed 1470 1/min	Number of poles 4	Rated voltage 400 V	Date 2018-01-18
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Symbol	No load	25 %	50 %	75 %	100 %	125 %
P ₂ / kW	0	4,625	9,25	13,88	18,5	23,12
P ₁ / kW	1,812	5,965	10,41	15,11	19,98	25,34
η / %	0	77,54	88,86	91,86	92,58	91,27
n / 1/min	1500	1492	1484	1476	1467	1458
cos φ	0,146	0,4168	0,6075	0,7234	0,7822	0,8139
l / A	17,91	20,66	24,73	30,14	36,87	44,93
s / %	0	0,5373	1,059	1,608	2,196	2,801
M / Nm	0	29,6	59,52	89,77	120,4	151,5

Tolerance according to VDE 0530 T1 12.84 for rated power

Starting current 320 A	Starting torque 440 Nm	Moment of inertia 0,217 kg m ²	No. starts per hour 15	
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