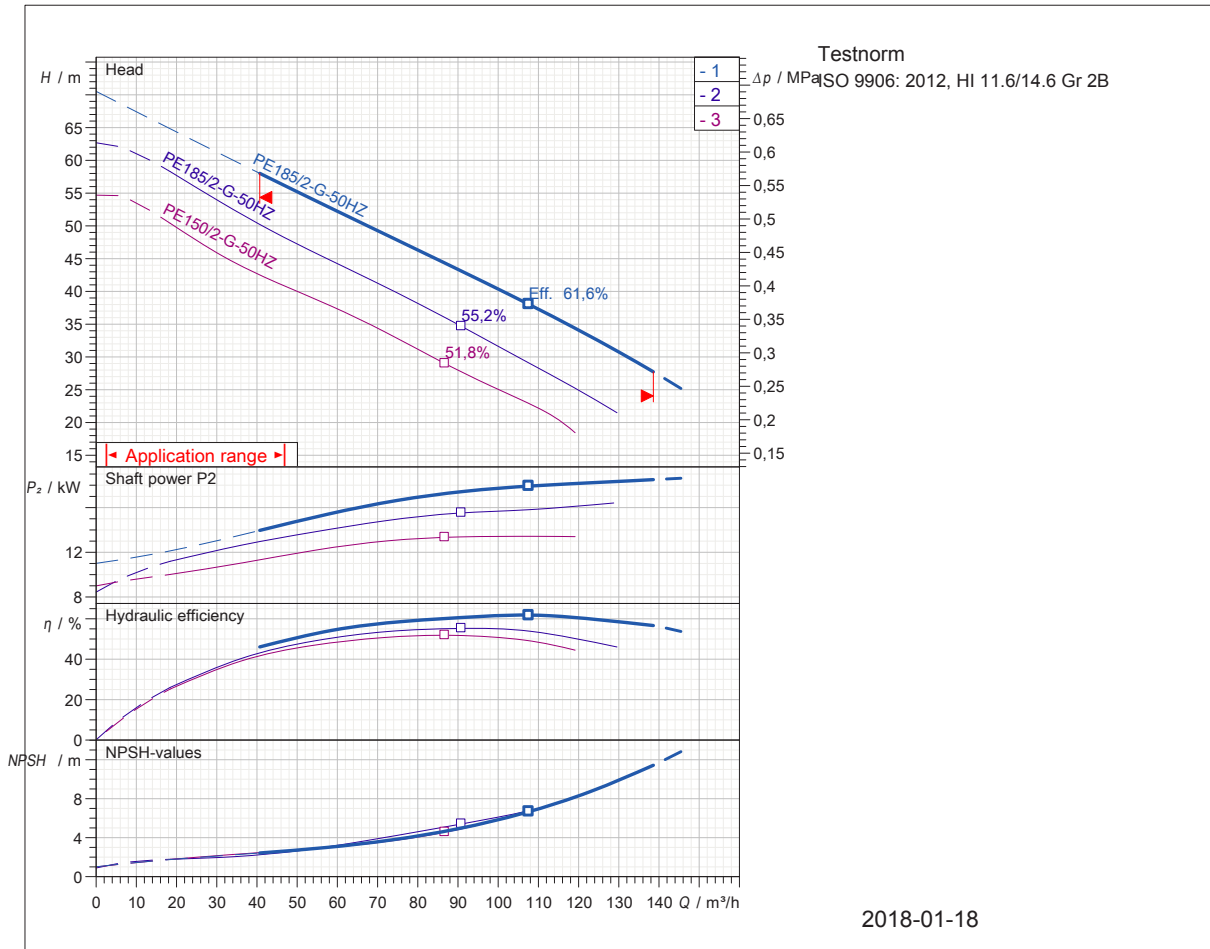




SULZER XFP101G PE185 SUBMERSIBLE DEWATERING PUMP



2018-01-18

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	
Type	XFP101G CB1 50HZ	Impeller	SULZER
Series	XFP PE1-PE3	Impeller size	Contrabloc impeller, 1 vane
N° of vanes	1	Suction flange	215 mm
Free passage	50 mm	Type of installation	DN100
Discharge flange	DN100		
Moment of inertia	0,0174 kg m ²		Not chosen
Motor data		Frequency	
Rated voltage	400 V	Nominal Speed	50 Hz
Rated power P2	18,5 kW	Efficiency	2930 1/min
Number of poles	2	Rated current	92,4 %
Power factor	0,857	Rated torque	33,7 A
Starting current	246 A	Degree of protection	60,3 Nm
Starting torque	137 Nm	No. starts per hour	IP 68
Insulation class	H		15

Sulzer reserves the right to change any data and dimensions without prior notice and can not be held responsible for the use of information contained in this software.

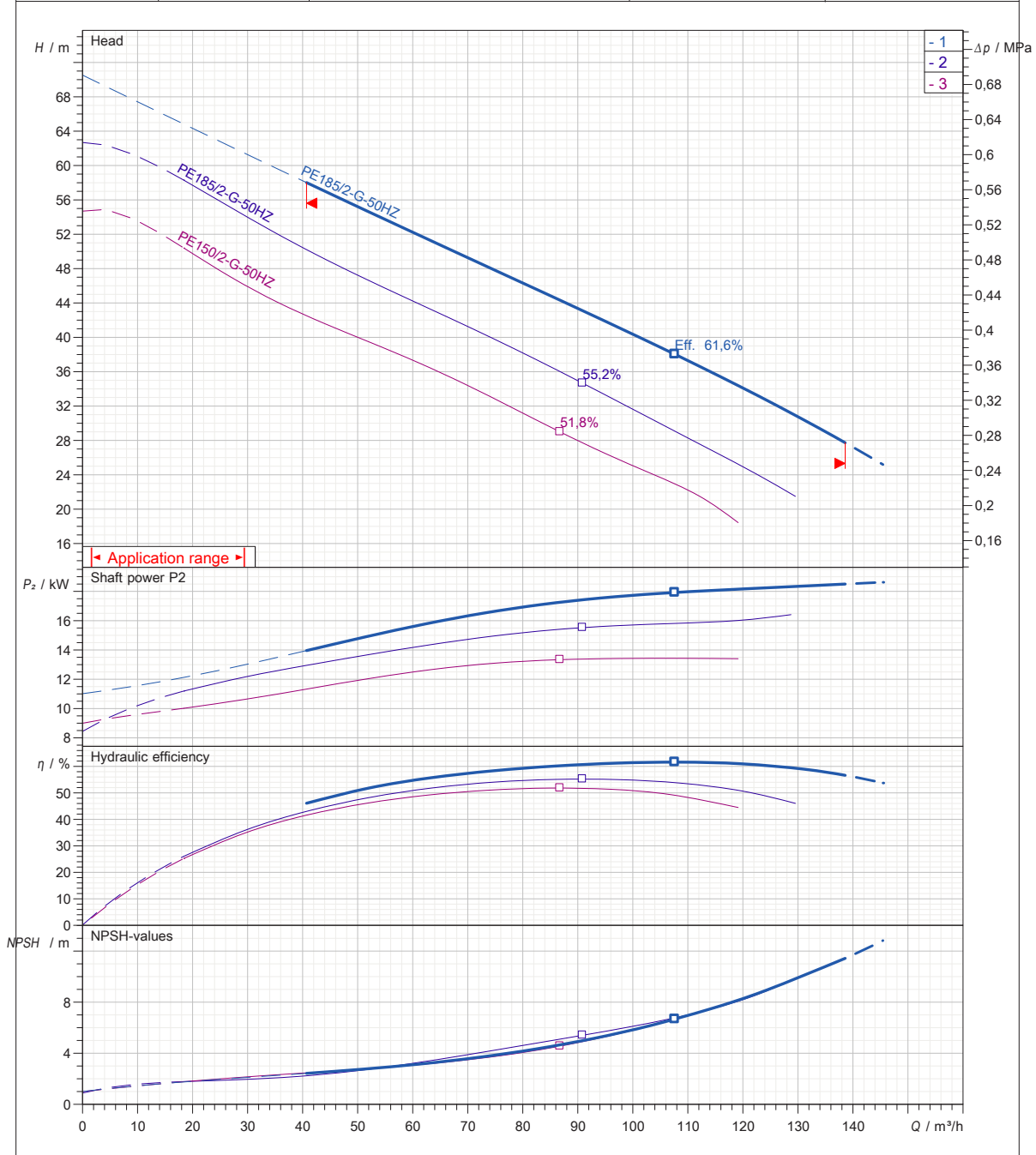
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Data version Mar-2017





SULZER XFP101G PE185 SUBMERSIBLE DEWATERING PUMP

Density 998,3 kg/m ³	Viscosity 1 mm ² /s	Testnorm ISO 9906: 2012, HI 11.6/14.6 Gr 2B	Discharge DN100	Frequency 50 Hz
Flow	Head	Rated power	Rated speed 2933 1/min	Date 2018-01-18
			Hydraulic efficiency	NPSH



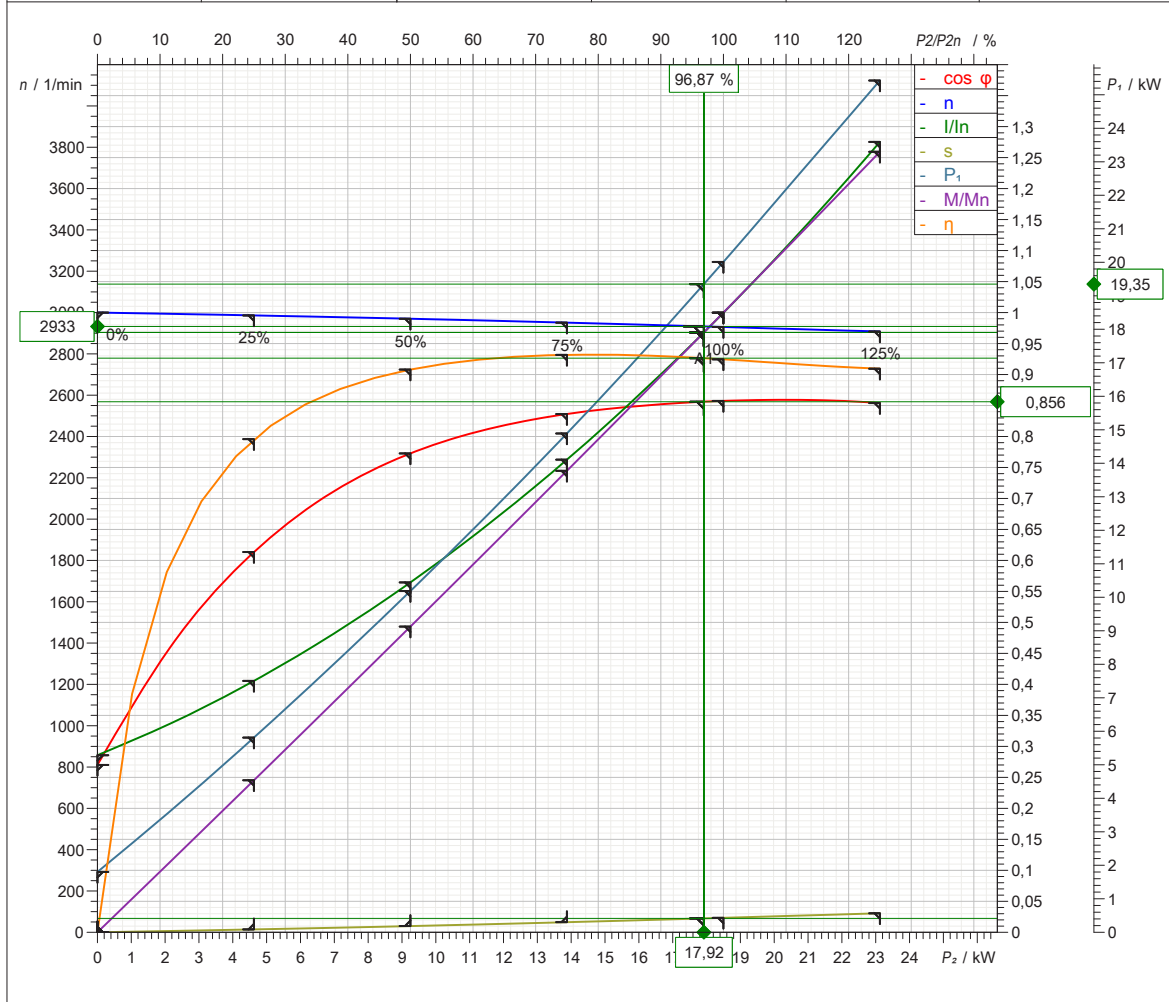
Impeller size 215 mm	N° of vanes 1	Impeller Contrabloc impeller, 1 vane	Solid size 50 mm	Revision
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SULZER XFP101G PE185 SUBMERSIBLE DEWATERING PUMP

Rated power 18,5 kW	Service factor 1,3	Nominal Speed 2930 1/min	Number of poles 2	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	1,802	5,812	10,19	14,89	20,01	25,43
η / %	0	79,58	90,8	93,18	92,45	90,94
n / 1/min	3000	2986	2970	2951	2930	2908
$\cos \varphi$	0,2701	0,6136	0,7728	0,8362	0,8574	0,8539
I / A	9,63	13,67	19,03	25,7	33,69	42,98
s / %	0,000264€	0,4653	1,003	1,631	2,335	3,066
M / Nm	0	14,79	29,74	44,9	60,3	75,94

Tolerance according to VDE 0530 T1 12.84 for rated power

Starting current 246 A	Starting torque 137 Nm	Moment of inertia 0,0901 kg m ²	No. starts per hour 15
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