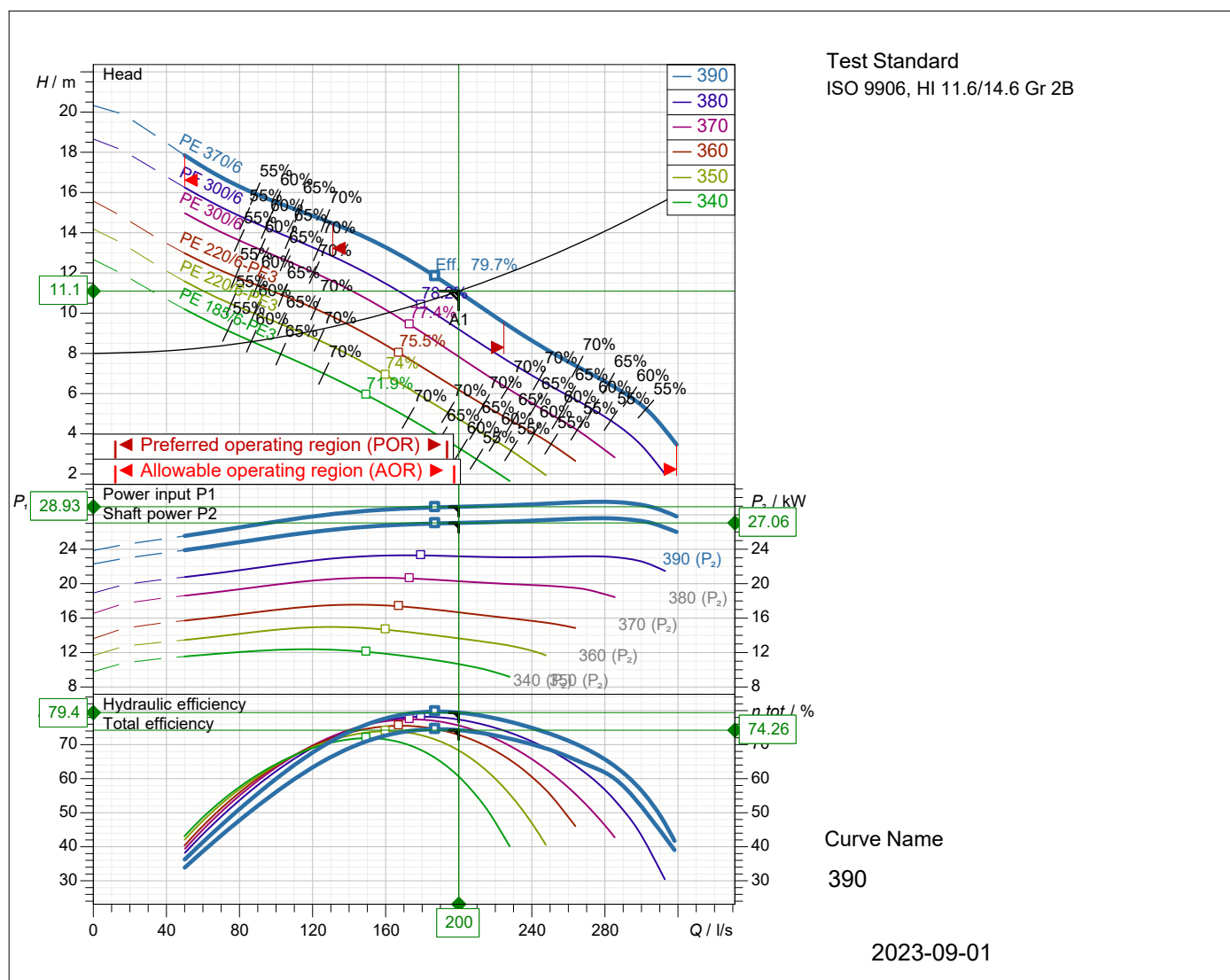
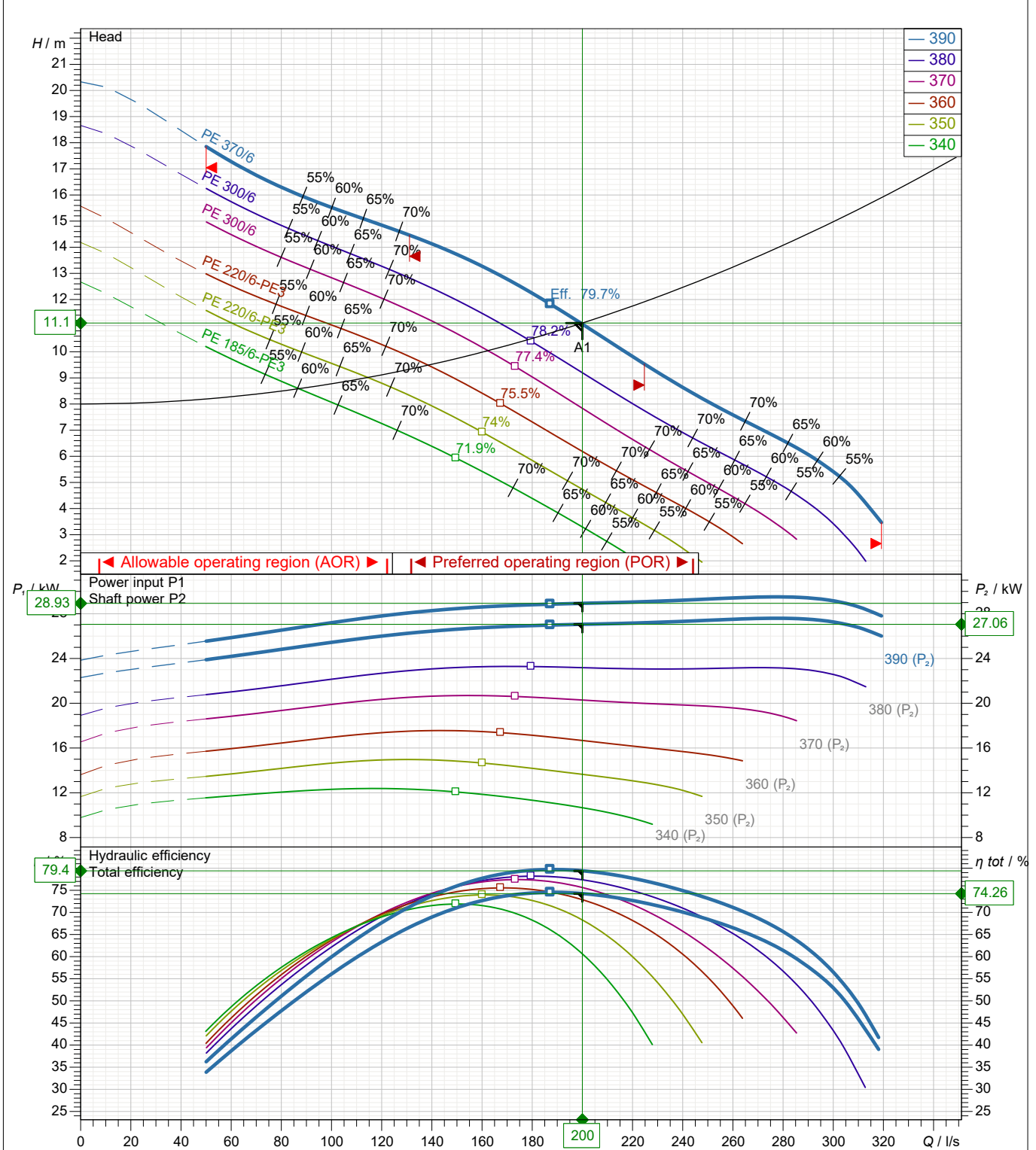


XFP255J-CB2 50 HZ



Operating data specification		Power input 28.9 kW	
Flow	200 l/s	Head	11.1 m
Efficiency	79.4 %	Shaft power	27.1 kW
NPSH	3.01 m	Fluid	Wastewater
Temperature	20 °C	Nature of system	Single head pump
No. of pumps	1		
Pump data		Make SULZER	
Type	XFP255J-CB2 50 HZ	Impeller	Contrablock Plus impeller
Series	XFP PE4-PE7	Impeller size	390 mm
N° of vanes	2	Suction flange	DN250
Free passage	90 x 120 mm	Type of installation	Dry well horizontal installation
Discharge flange	DN250		
Moment of inertia	0.43 kg m ²		
Motor data		Frequency 50 Hz	
Rated voltage	400 V	Nominal Speed	979 1/min
Rated power P2	37 kW	Efficiency	93.1 %
Number of poles	6	Rated current	70 A
Power factor	0.818	Rated torque	361 Nm
Starting current	427 A	Degree of protection	IP 68
Starting torque	794 Nm	No. starts per hour	15
Insulation class	H(140)		

Curve number		<div>Pump performance curves</div> <div>XFP255J-CB2 50 HZ</div>					<div>SULZER</div>	
Reference curve XFP255J-CB2 50 HZ								
						Discharge DN250	Frequency 50 Hz	
Density 998.2 kg/m³	Viscosity 1 mm²/s	Test Standard ISO 9906, HI 11.6/14.6 Gr 2B				Rated speed 985 1/min	Date 2023-09-01	
Flow 200 l/s	Head 11.1 m	Shaft power 27.1 kW	Power input 28.9 kW	Rated power P2 37 kW	Hyd. efficiency 79.4 %	NPSH 3.01 m		



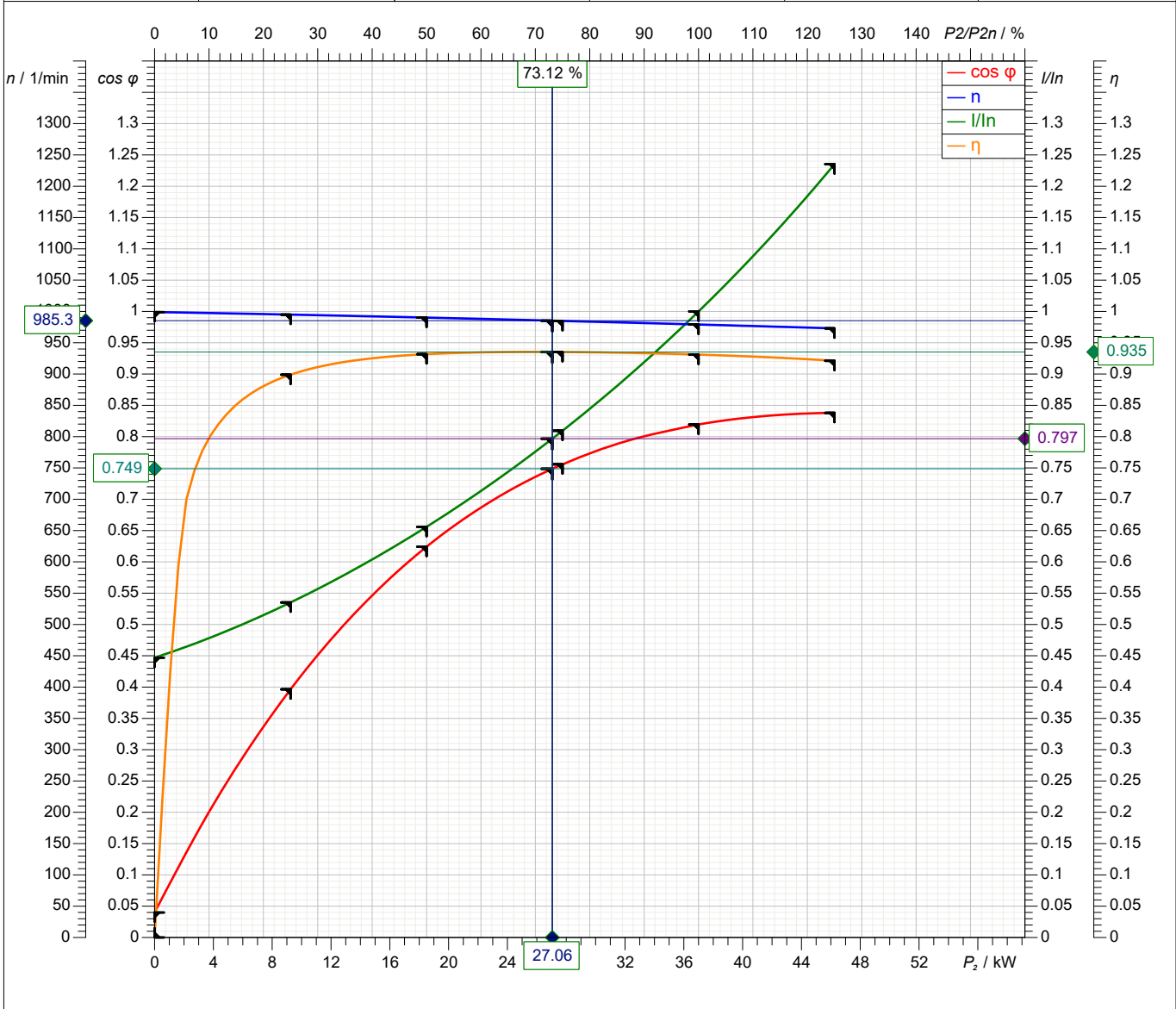
Dry well horizontal installation

Impeller size 390 mm	N° of vanes 2	Impeller Contrablock Plus impeller	Solid size 90 x 120 mm	Revision
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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.

Spaix® 6-23.2 - 2023/08/01 (Build 1226), 64 bit
Data version July 23.1

Rated power 37 kW	Service factor	Nominal Speed 979 1/min	Number of poles 6	Rated voltage 400 V	Date 2023-09-01
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Symbol	No load	25 %	50 %	75 %	100 %	125 %
P ₂ / kW	0	9.25	18.5	27.75	37	46.25
P ₁ / kW	0.8651	10.29	19.85	29.67	39.74	50.21
I / A	31.28	37.46	45.92	56.66	70	86.47
cos φ	0.03991	0.3964	0.6241	0.7559	0.8195	0.8381
n / 1/min	999	994.9	990.2	984.8	979.1	973
s / %	0.09841	0.5079	0.9841	1.516	2.092	2.702
M / Nm	0	88.78	178.4	269.1	360.9	453.9
η / %	0	89.9	93.18	93.52	93.1	92.12

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Tolerance according to VDE 0530 T1 12.84 for rated power					
Starting current 427 A	Starting torque 794 Nm	Moment of inertia 0.61 kg m²	No. starts per hour 15		