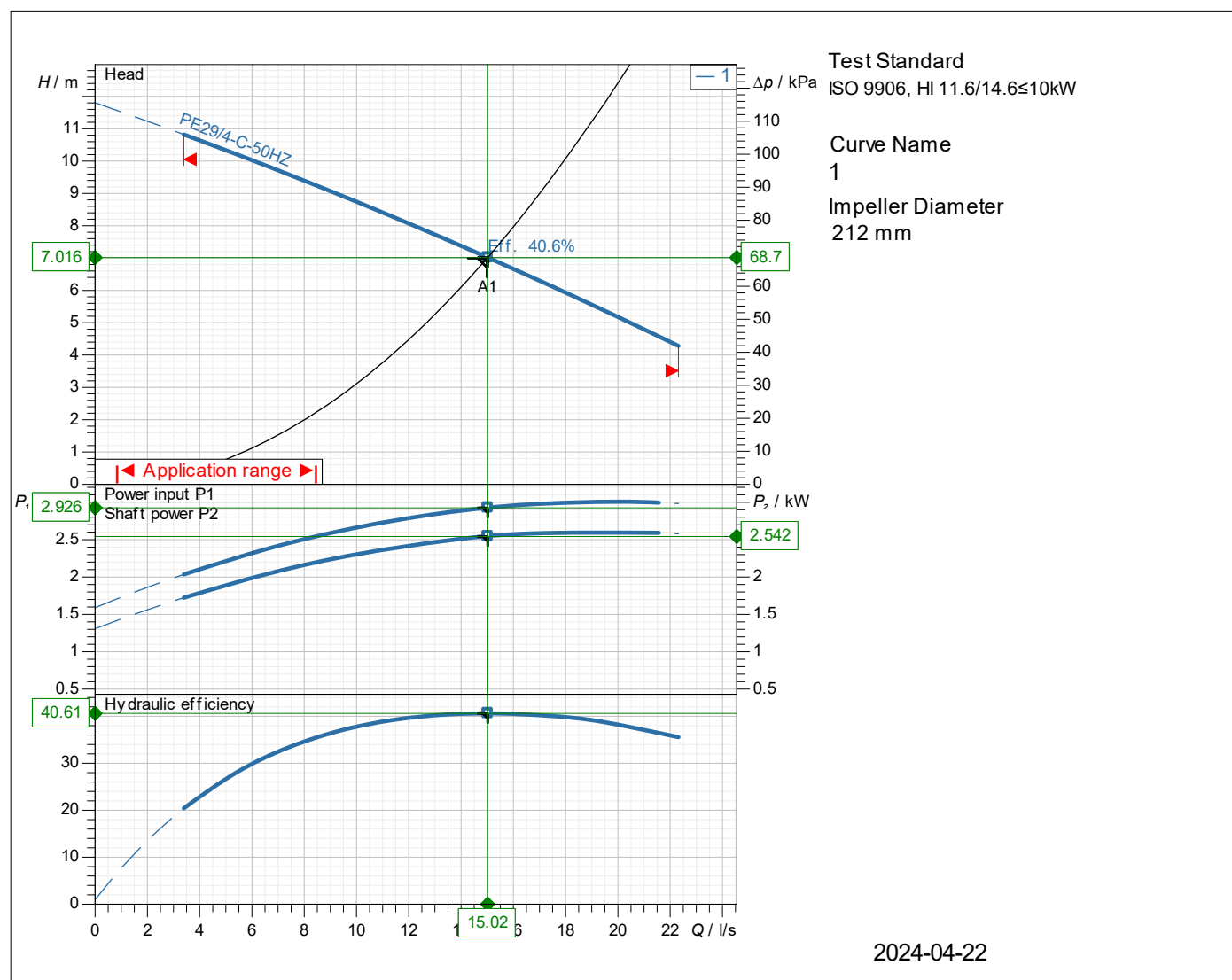
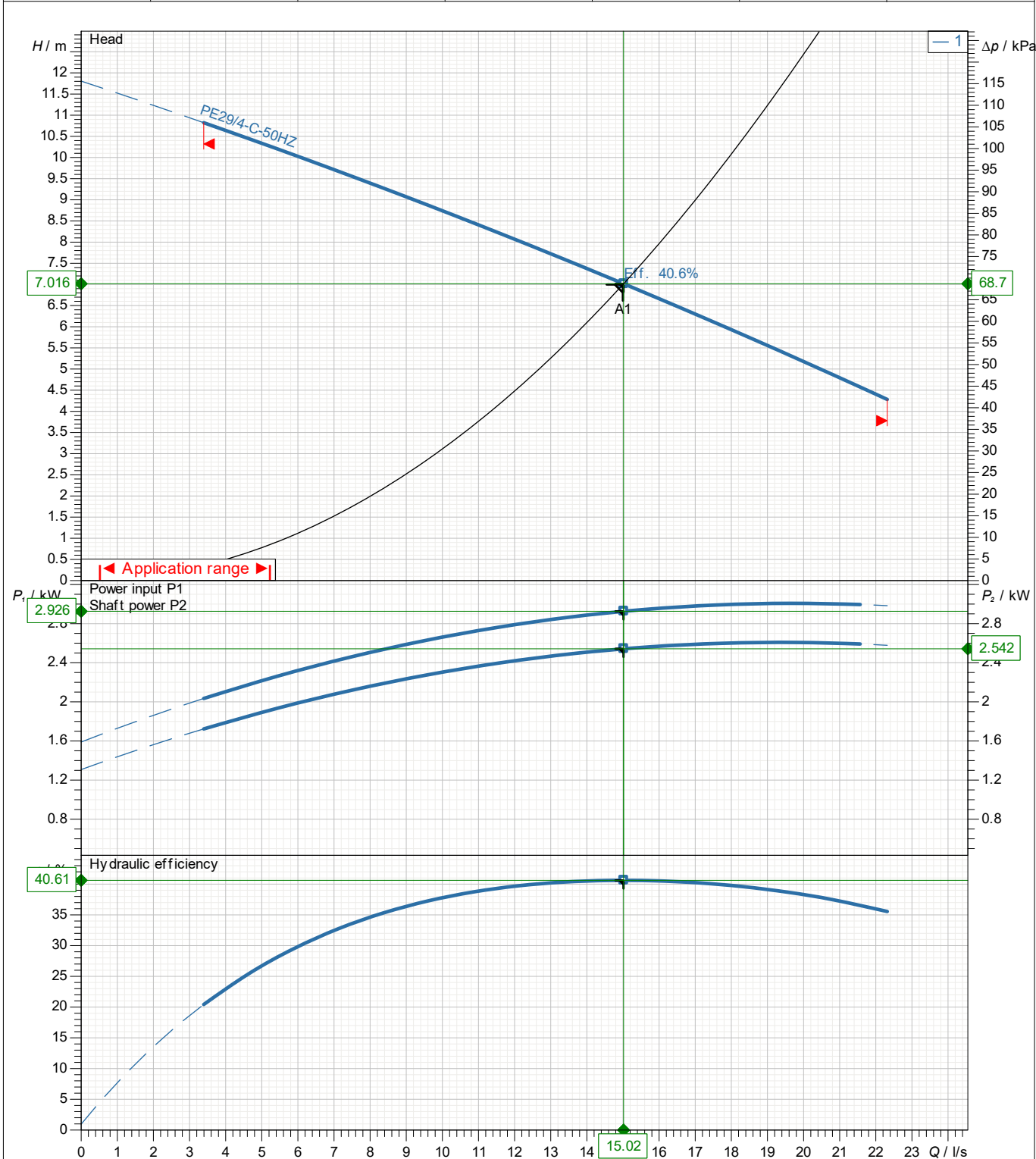


XFP 80C VX 50HZ



Operating data specification		Power input	2.93 kW
Flow	15.02 l/s	Head	7.02 m
Efficiency	40.6 %	Shaft power	2.54 kW
NPSH	2.27 m	Fluid	Wastewater precleaned
Temperature	20 °C	Nature of system	Single head pump
No. of pumps	1		
Pump data			
Type	XFP 80C VX 50HZ	Make	SULZER
Series	XFP PE1-PE3	Impeller	Vortex impeller
N° of vanes	6	Impeller size	212 mm
Free passage	80 mm	Suction flange	DN80
Discharge flange	DN80	Type of installation	Wet well installation with pedestal
Moment of inertia	0.0095 kg m ²		
Motor data			
Rated voltage	400 V	Frequency	50 Hz
Rated power P2	2.95 kW	Nominal Speed	1440 1/min
Number of poles	4	Efficiency	87.8 %
Power factor	0.76	Rated current	6.4 A
Starting current	36 A	Rated torque	19.6 Nm
Starting torque	28.4 Nm	Degree of protection	IP 68
Insulation class	H	No. starts per hour	15

Curve number		Pump performance curves SULZER XFP 80C VX 50HZ				
Reference curve XFP80C-VX 50HZ						
					Discharge DN80	Frequency 50 Hz
Density	Viscosity	Test Standard			Rated speed	Date
998.2 kg/m³	1 mm²/s	ISO 9906, HI 11.6/14.6≤10kW			1447 1/min	2024-04-22
Flow	Head	Shaft power	Power input	Rated power P2	Hyd. efficiency	NPSH
15.02 l/s	7.02 m	2.54 kW	2.93 kW	2.95 kW	40.6 %	2.27 m



Wet well installation with pedestal

Impeller size 212 mm	N° of vanes 6	Impeller Vortex impeller	Solid size 80 mm	Revision
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Frequency
50 Hz

PE1

Motor performance curve

SULZER

PE29/4-C-50HZ

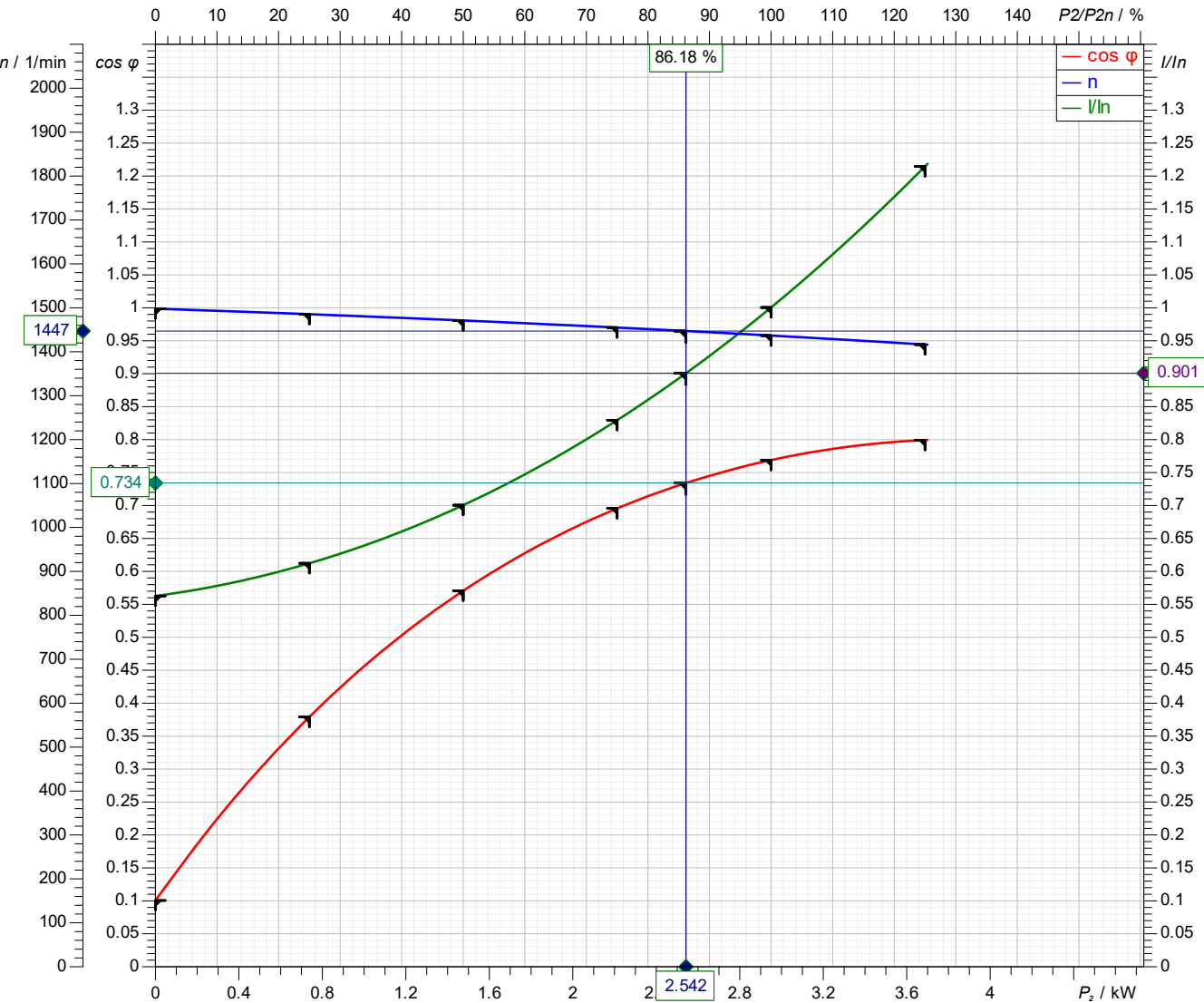
Rated power
2.95 kW

Nominal Speed
1437 1/min

Number of poles
4

Rated voltage
400 V

Date
2024-04-22



Symbol	No load	25 %	50 %	75 %	100 %	125 %
P_2 / kW	0	0.7375	1.475	2.212	2.95	3.688
P_1 / kW	0.251	1.029	1.772	2.559	3.411	4.305
I / A	3.601	3.919	4.484	5.309	6.404	7.774
$\cos \varphi$	0.1006	0.3791	0.5706	0.6956	0.7689	0.7993
n / 1/min	1498	1485	1471	1455	1437	1416
s / %	0.1356	0.9685	1.92	2.997	4.211	5.573
M / Nm	0	4.741	9.574	14.52	19.61	24.86
η / %	0	71.66	83.22	86.48	86.48	85.66

Tolerance according to VDE 0530 T1 12.84 for rated power

Starting current
36 A

Starting torque
28.4 Nm

Moment of inertia
0.009 kg m²

No. starts per hour
15