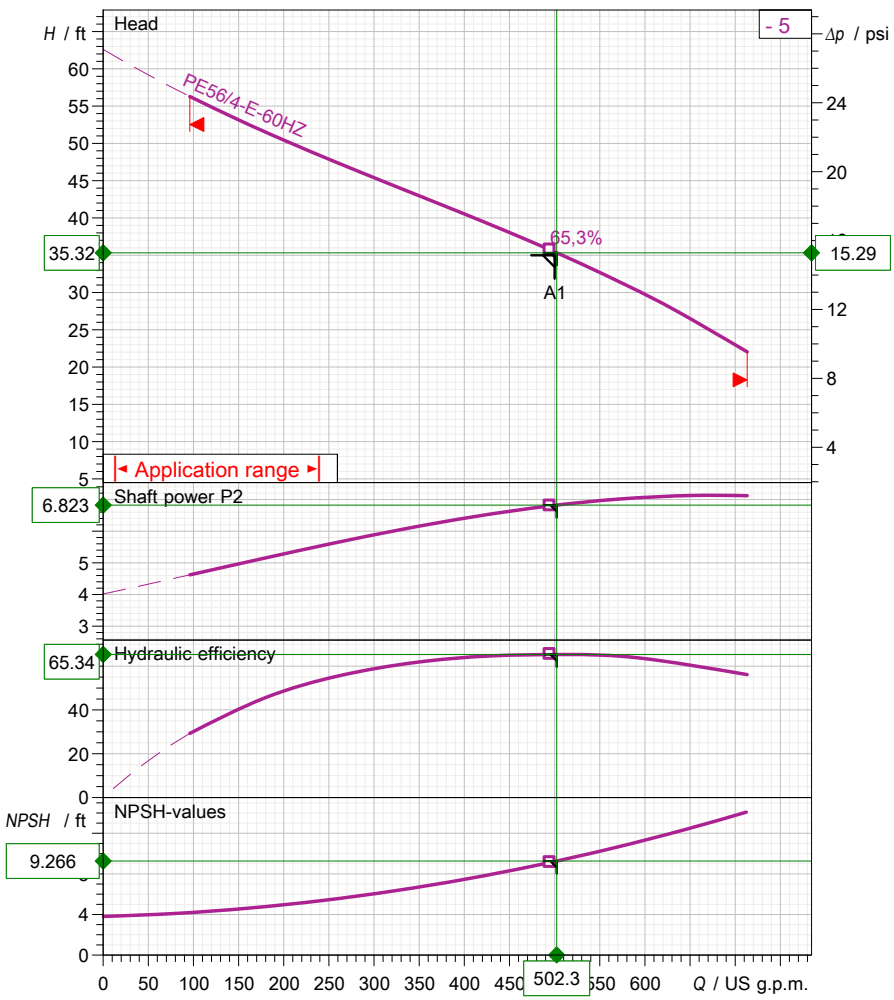
XFP100E CB1 60HZ



Testnorm
ISO 9906: 2012, HI 11.6/14.6 ≤10kW

2016-05-24

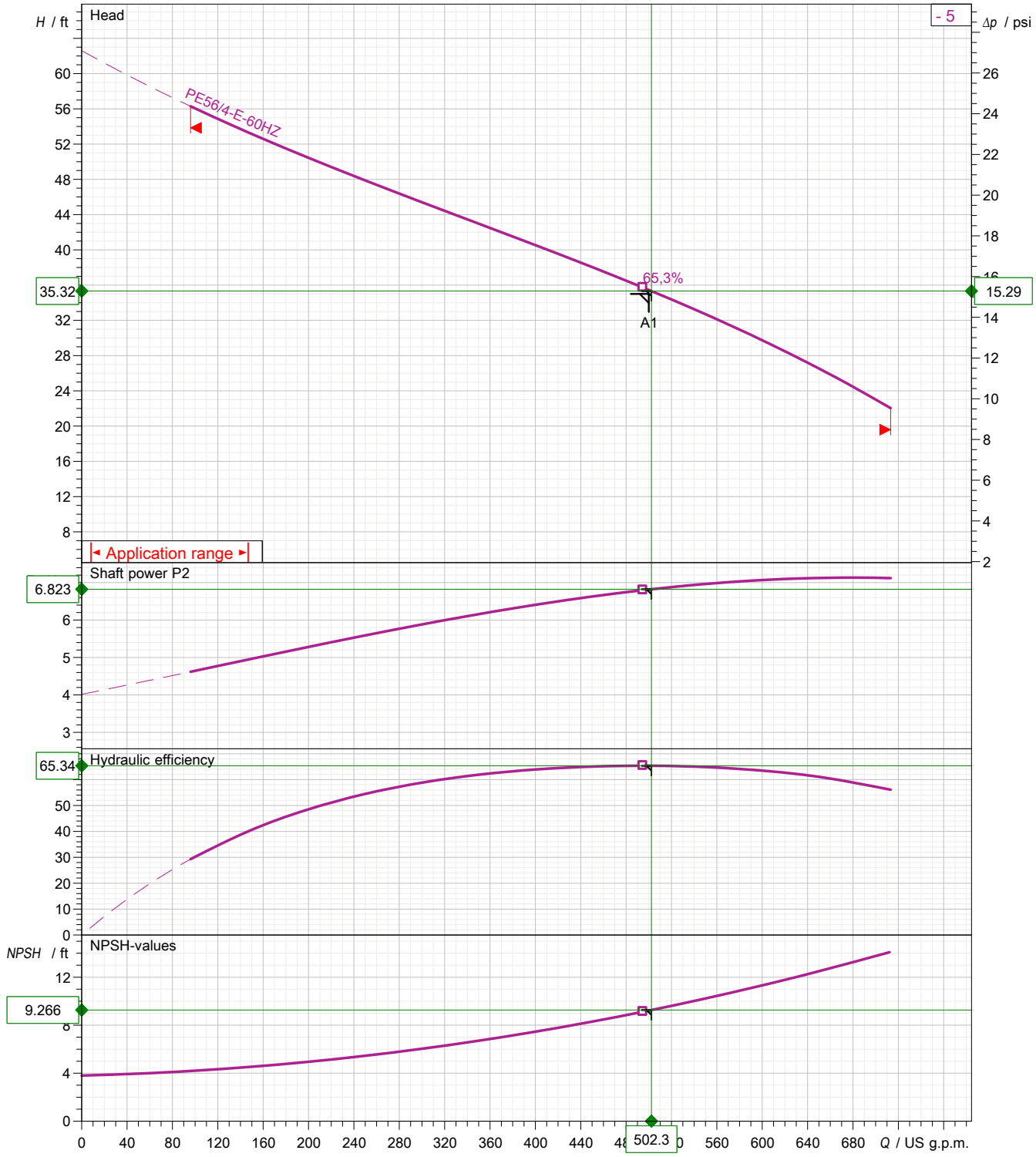
Operating data specification			
Flow	502 US g.p.m.	Head	35,3 ft
Efficiency	65,3 %	Shaft power	6,82 hp
NPSH	9,27 ft	Fluid	Wastewater
Temperature	68 °F	Nature of system	Single head pump
No. of pumps	1		
Pump data			
Type	XFP100E CB1 60HZ	Make	SULZER
Series	XFP PE1-PE3	Impeller	Contrablock Plus impeller, 1 vane
N° of vanes	1	Impeller size	7,68 inch
Free passage	3,15 inch	Suction flange	DN100
Discharge flange	DN100	Type of installation	Wet Well installation with pedestal
Motor data			
Rated voltage	460 V	Frequency	60,0 Hz
Rated power P2	7,51 hp	Nominal Speed	1760 rpm
Number of poles	4	Efficiency	91,7 %
Power factor	0,778	Rated current	9,86 A
Starting current	59,9 A	Rated torque	22,4 lbf ft
Starting torque	62,4 lbf ft	Degree of protection	IP 68
Insulation class	H	No. starts per hour	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.

Curve number	Pump performance curves	
Reference curve XFP100E CB1 60HZ	**XFP100E CB1 60HZ**	

SULZER

			Discharge	Frequency
			DN100	60 Hz
Density	Viscosity	Testnorm	Rated speed	Date
62,31 lb/ft³	1 mm²/s	ISO 9906: 2012, HI 11.6/14.6 ≤10kW	1762 rpm	2016-05-24
Flow	Head	Rated power	Hydraulic efficiency	NPSH
502 US g.p.m.	35,3 ft	6,82 hp	65,3 %	9,27 ft



Impeller size	N° of vanes	Impeller	Solid size	Revision
7,68 inch	1	Contrablock Plus impeller, 1 vane	3,15 inch	

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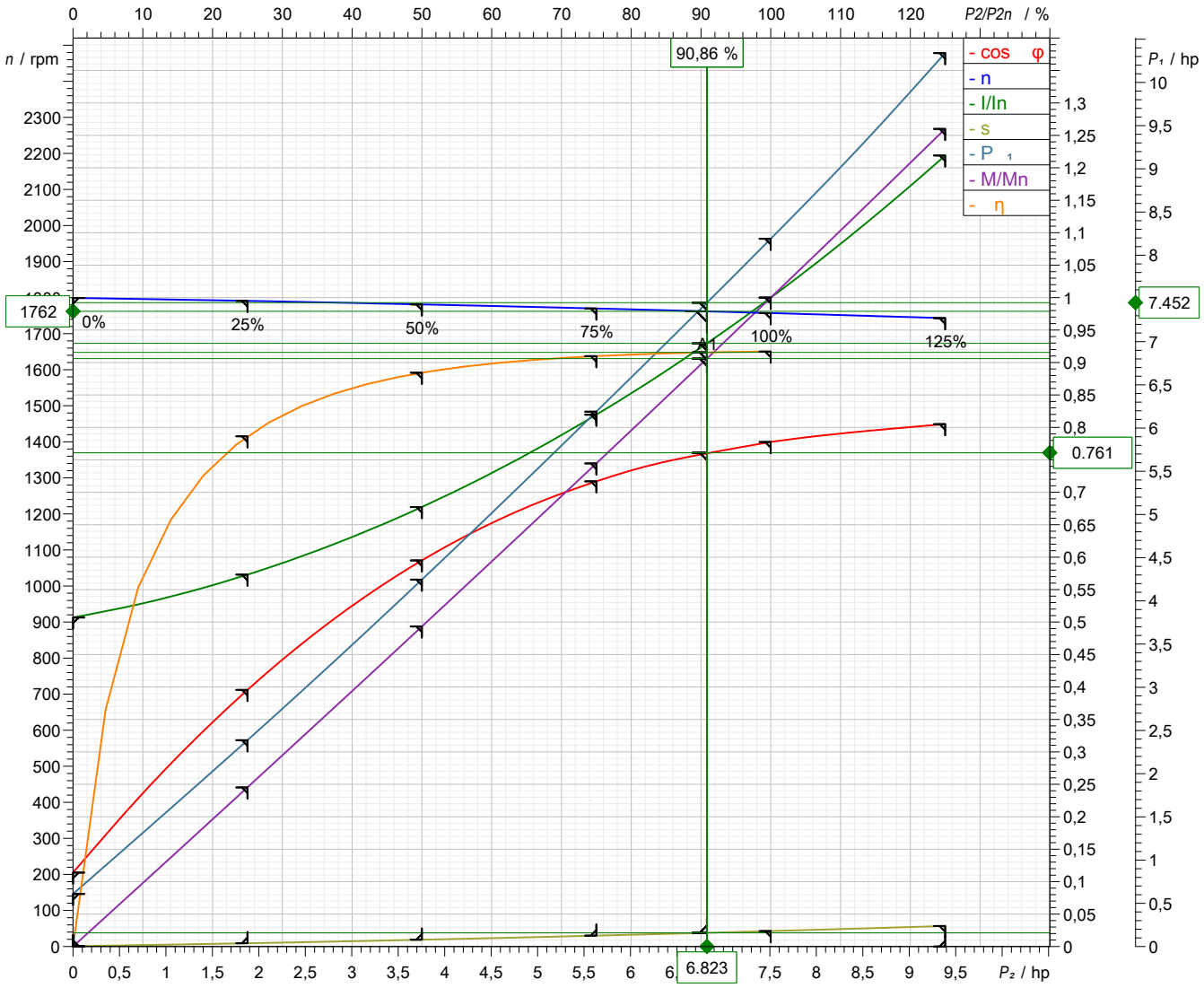
Frequency	Motor performance curve	
60 Hz	PE56/4-E-60HZ	SULZER

Rated power	Service factor	Nominal Speed	Number of poles	Rated voltage	Date
7,51 hp	1,3	1760 rpm	4	460 V	2016-05-24



Symbol	No loac	25 %	50 %	75 %	100 %	125 %
P_2 / hp	0	1,877	3,755	5,632	7,51	
P_1 / hp	0,6085	2,388	4,246	6,19	8,191	10,34
η / %	0	78,63	88,43	90,98	91,69	
n / rpm	1799	1791	1781	1770	1757	1743
cos φ	0,1139	0,3955	0,595	0,717	0,7775	
I / A	5	5,651	6,679	8,081	9,859	
s / %	0,05467	0,5044	1,047	1,675	2,384	3,168
M / lbf ft	0	5,506	11,07	16,72	22,45	28,29

Tolerance according to VDE 0530 T1 12.84 for rated power

Starting current	Starting torque	Moment of inertia	No. starts per hour
59,9 A	62,4 lbf ft	0,617 lb ft²	15

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