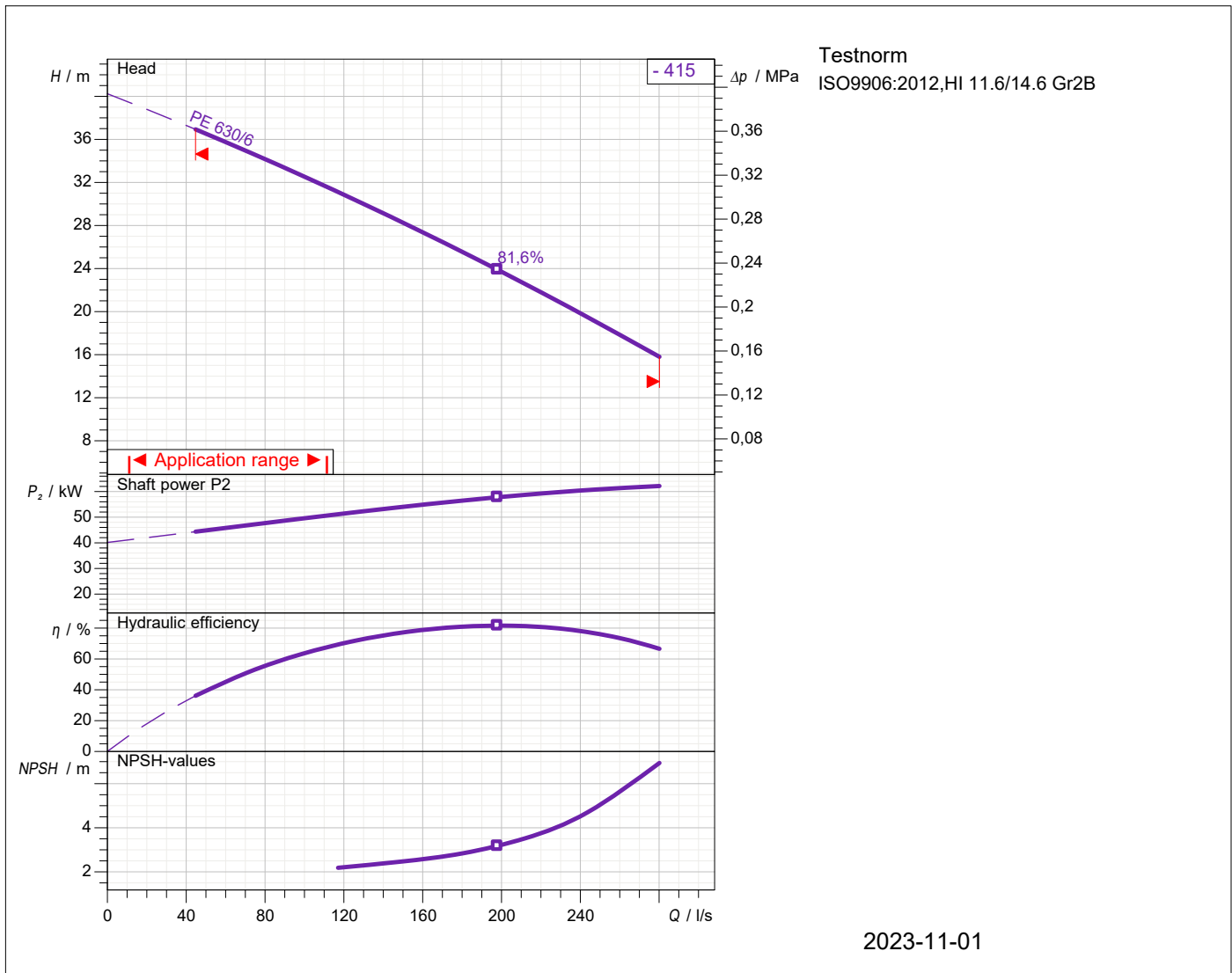
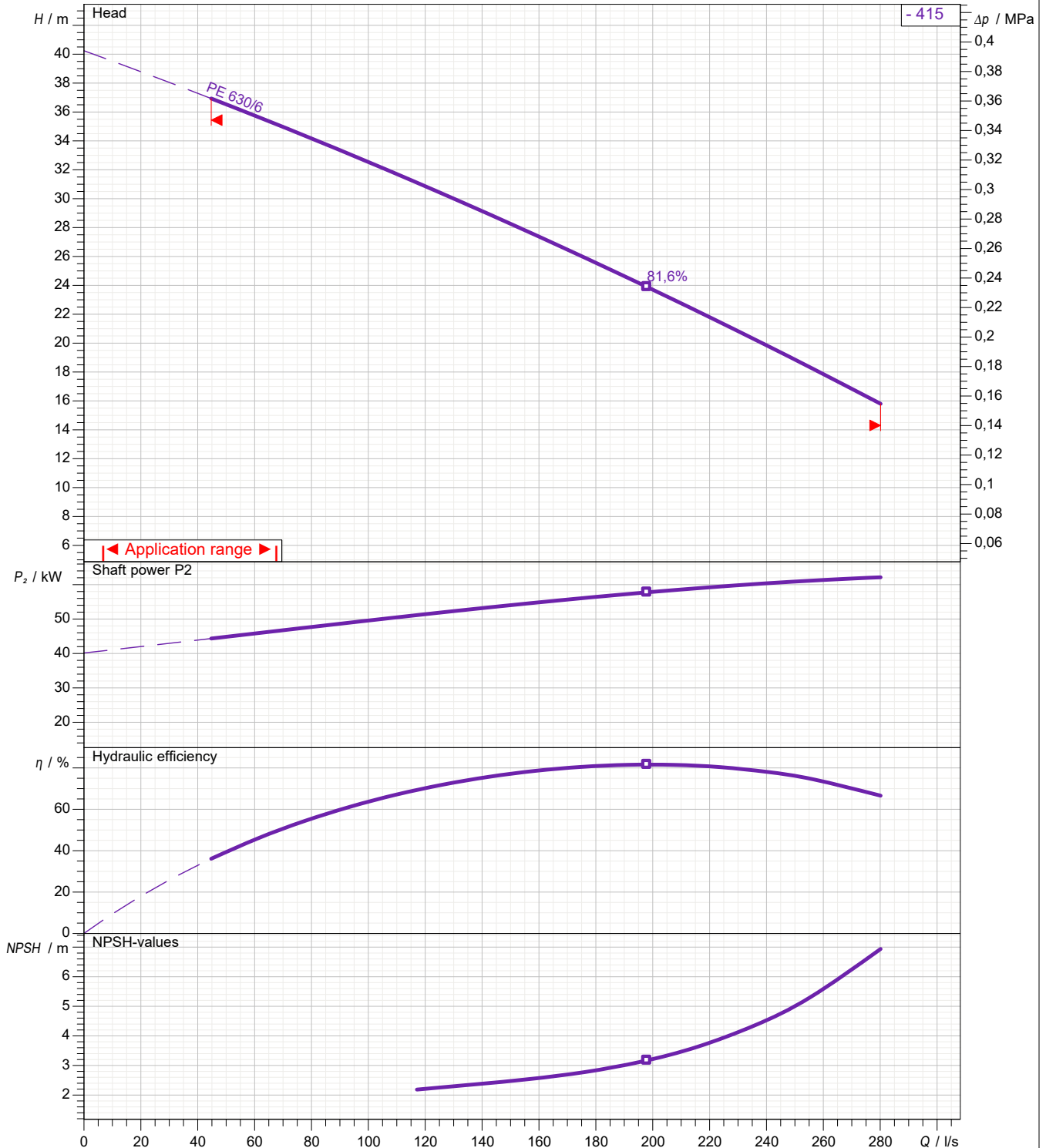


# XFP 250M-CH2 60 HZ



<b>Operating data specification</b> Flow Efficiency NPSH Temperature 20 °C No. of pumps 1		Power input Head Rated power Fluid Water Nature of system Single head pump	
<b>Pump data</b> Type XFP 250M-CH2 60 HZ Series XFP PE4-PE7 N° of vanes 2 Free passage 110 x 90 mm Discharge flange DN250 Moment of inertia 1,13 kg m <sup>2</sup>		Make SULZER Impeller 2-vane channel impeller Impeller size 415 mm Suction flange DN250 Type of installation wet well vertical installation 2"	
<b>Motor data</b> Rated voltage 480 V Rated power P2 63 kW Number of poles 6 Power factor 0,808 Starting current 992 A Starting torque 1720 Nm Insulation class H(140)		Frequency 60 Hz Nominal Speed 1190 1/min Efficiency 94,5 % Rated current 99,2 A Rated torque 506 Nm Degree of protection IP 68 No. starts per hour 15	

Curve number		<b>Pump performance curves</b> <b>XFP 250M-CH2 60 HZ</b>			<b>SULZER</b>	
Reference curve XFP 250M-CH2 60 HZ						
				Discharge DN250	Frequency 60 Hz	
Density 998,3 kg/m <sup>3</sup>	Viscosity 1,005 mm <sup>2</sup> /s	Testnorm ISO9906:2012,HI 11.6/14.6 Gr2B			Rated speed 1191 1/min	Date 2023-11-01
Flow	Head	Shaft power	Power input	Rated power P2 63 kW	Hydraulic efficiency	NPSH



Impeller size 415 mm	N° of vanes 2	Impeller 2-vane channel impeller	Solid size 110 x 90 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® 4, Version 4.3.12 - 2020/05/28 (Build 328)  
Data version Aug 2020

Frequency  
60 Hz

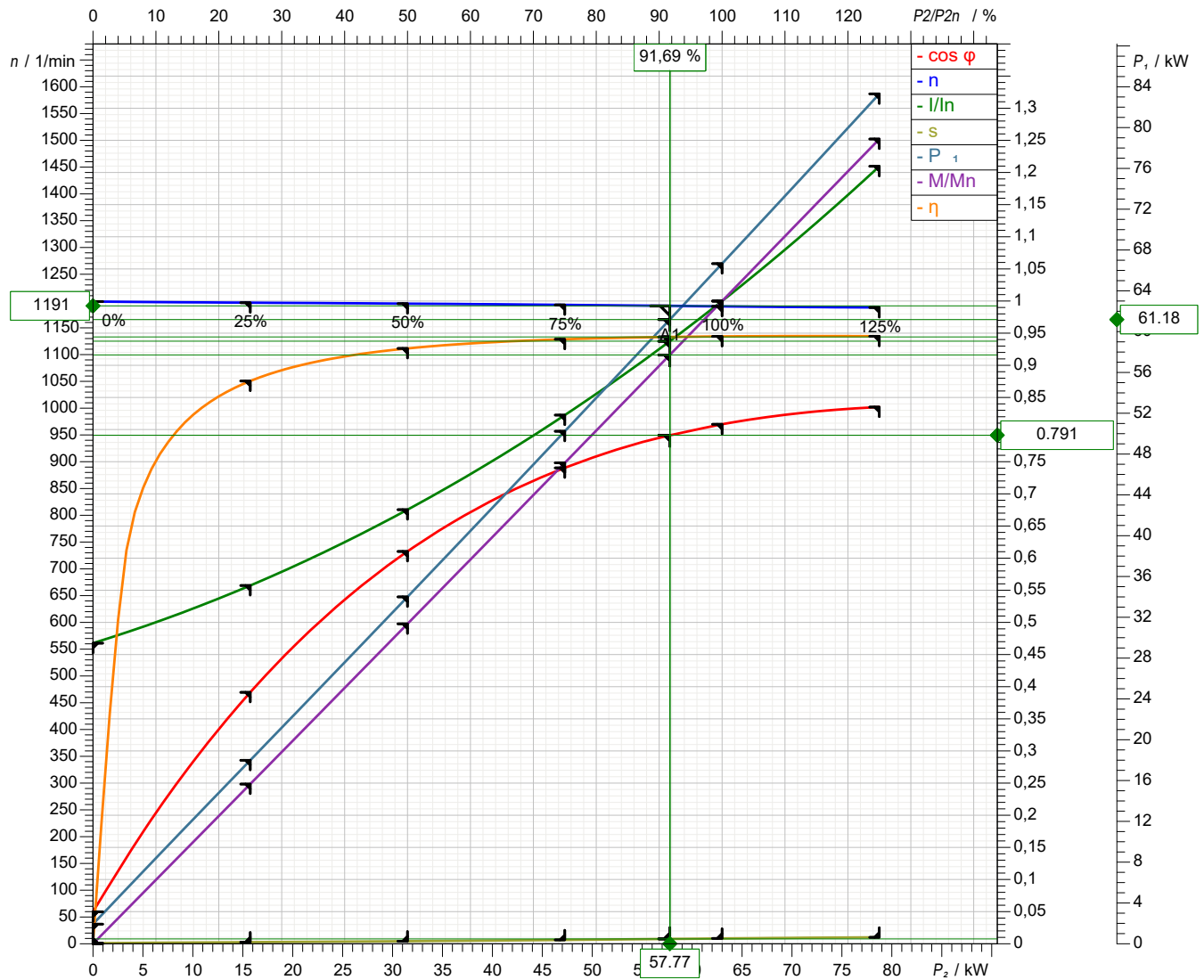
PE5

# Motor performance curve



PE 630/6

Rated power 63 kW	Service factor 1,3	Nominal Speed 1190 1/min	Number of poles 6	Rated voltage 480 V	Date 2023-11-01
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Symbol	No loac	25 %	50 %	75 %	100 %	125 %
$P_2$ / kW	0	15,75	31,5	47,25	63	78,75
$P_1$ / kW	1,927	17,99	34,01	50,23	66,67	83,31
$\eta$ / %	0	87,56	92,63	94,06	94,5	94,53
$n$ / 1/min	1190	1197	1195	1193	1190	1188
$\cos \varphi$	0,04995	0,3913	0,6105	0,7405	0,8083	0,8351
$I$ / A	46,4	55,3	67	81,6	99,2	120
$s$ / %	0,08201	0,2566	0,4034	0,5966	0,8267	1,001
$M$ / Nm	0	125,7	251,7	378,3	505,5	633

Tolerance according to VDE 0530 T1 12.84 for rated power

Starting current 992 A	Starting torque 1720 Nm	Moment of inertia 1,83 kg m <sup>2</sup>	No. starts per hour 15
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