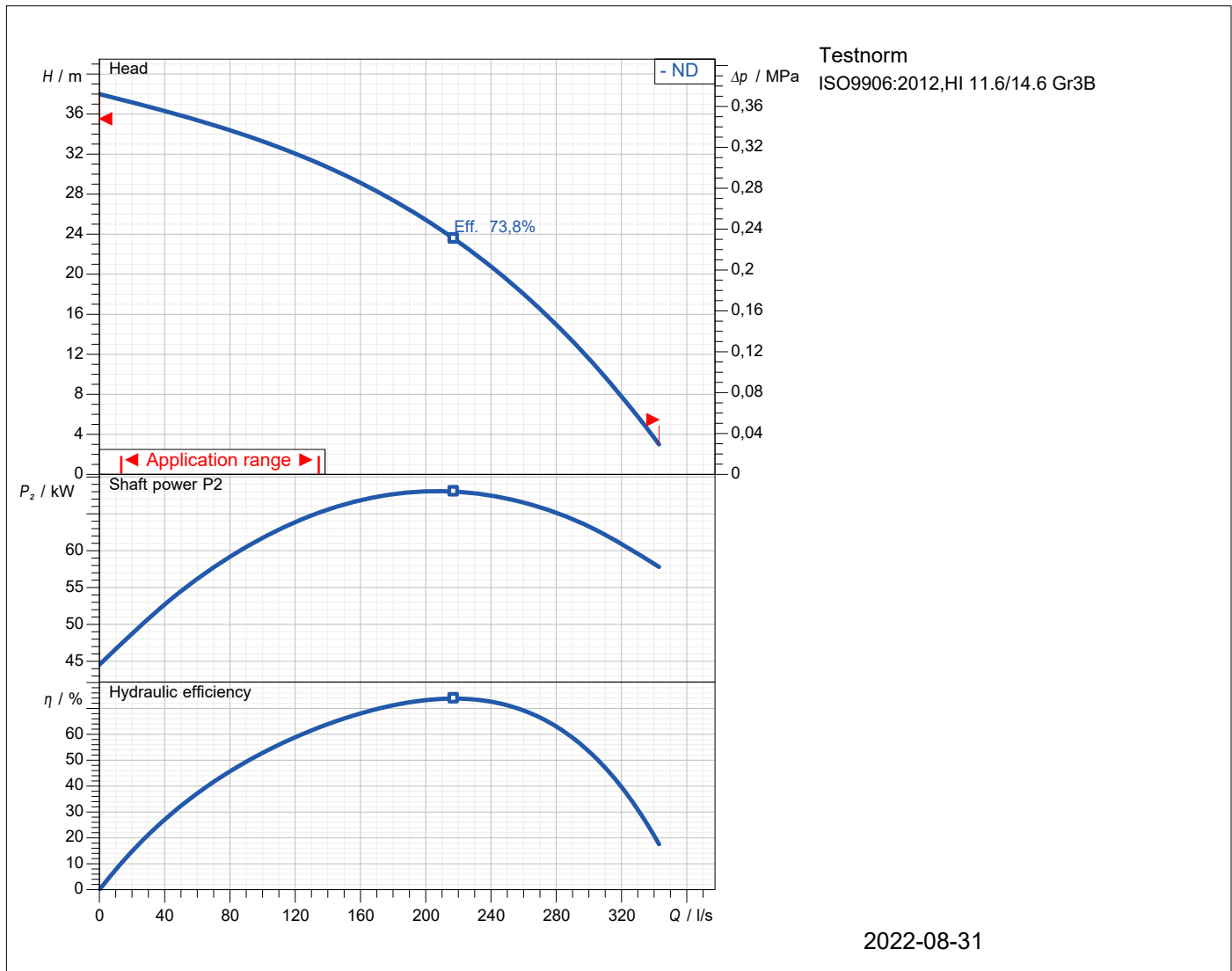


J 604 ND 60HZ

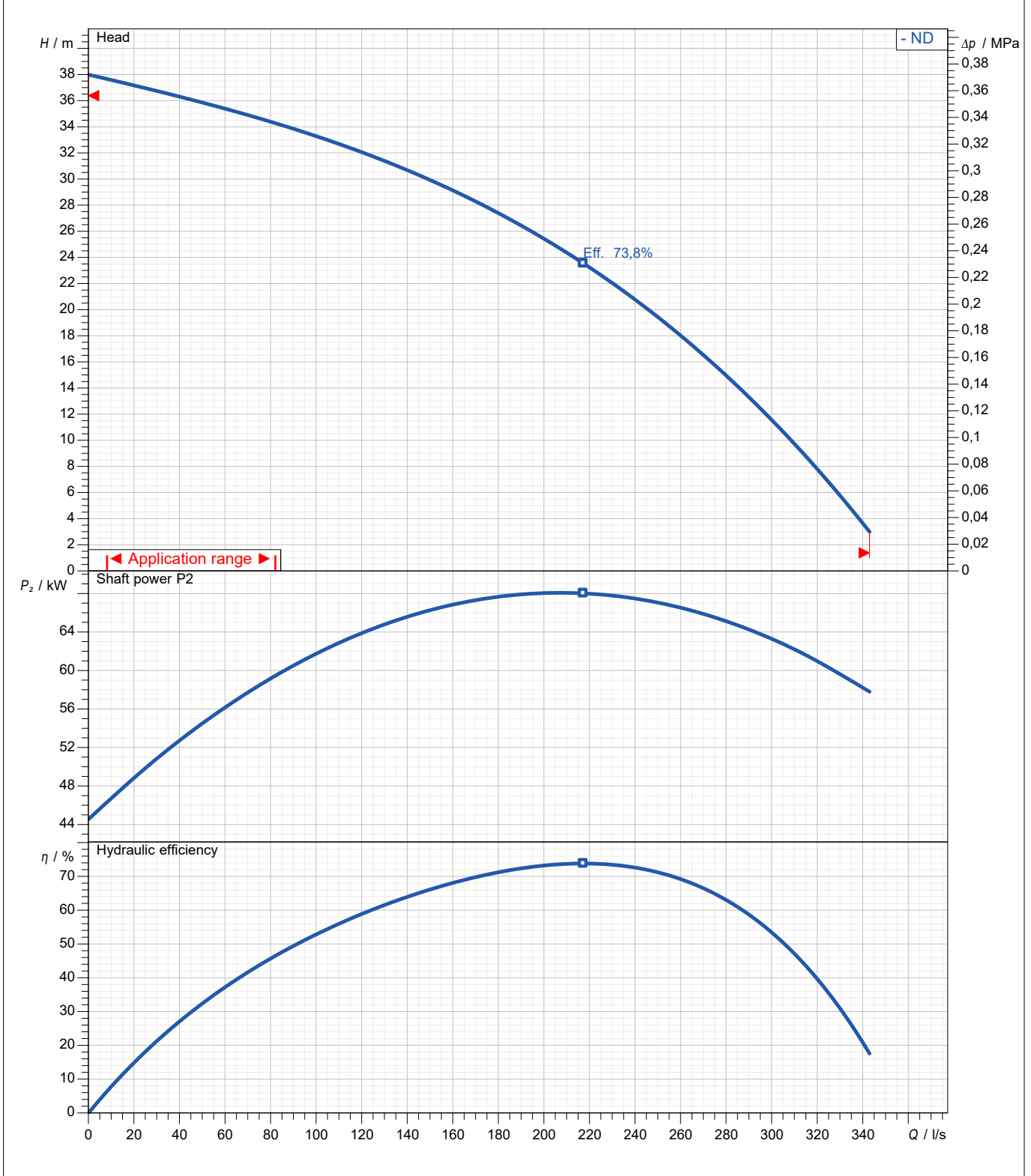


2022-08-31

Operating data specification		Power input	
Flow		Head	
Efficiency		Rated power	
NPSH		Fluid	Water
Temperature	20 °C	Nature of system	Single head pump
No. of pumps	1		
Pump data			
Type	J 604 ND 60HZ	Make	SULZER
Series	J 205-604	Impeller	Semi-open impeller
N° of vanes		Impeller size	321 mm
Free passage		Suction flange	6"
Discharge flange	6"	Type of installation	Installation
Moment of inertia			
Motor data			
Rated voltage	460 V	Frequency	60 Hz
Rated power P2	70 kW	Nominal Speed	1730 1/min
Number of poles	4	Efficiency	92 %
Power factor	0,85	Rated current	113 A
Starting current	392 A	Rated torque	386 Nm
Starting torque		Degree of protection	IP 68
Insulation class	F	No. starts per hour	15

Curve number	Pump performance curves			SULZER	
Reference curve J604ND60HZ					

			Discharge 6"	Frequency 60 Hz	
Density 998,3 kg/m ³	Viscosity 1,005 mm ² /s	Testnorm ISO9906:2012,HI 11.6/14.6 Gr3B		Rated speed 1730 1/min	Date 2022-08-31
Flow	Head	Shaft power	Power input	Rated power P2 70 kW	Hydraulic efficiency NPSH



Impeller size 321 mm	N° of vanes	Impeller Semi-open impeller	Solid size	Revision J604 ND-60Hz-AB
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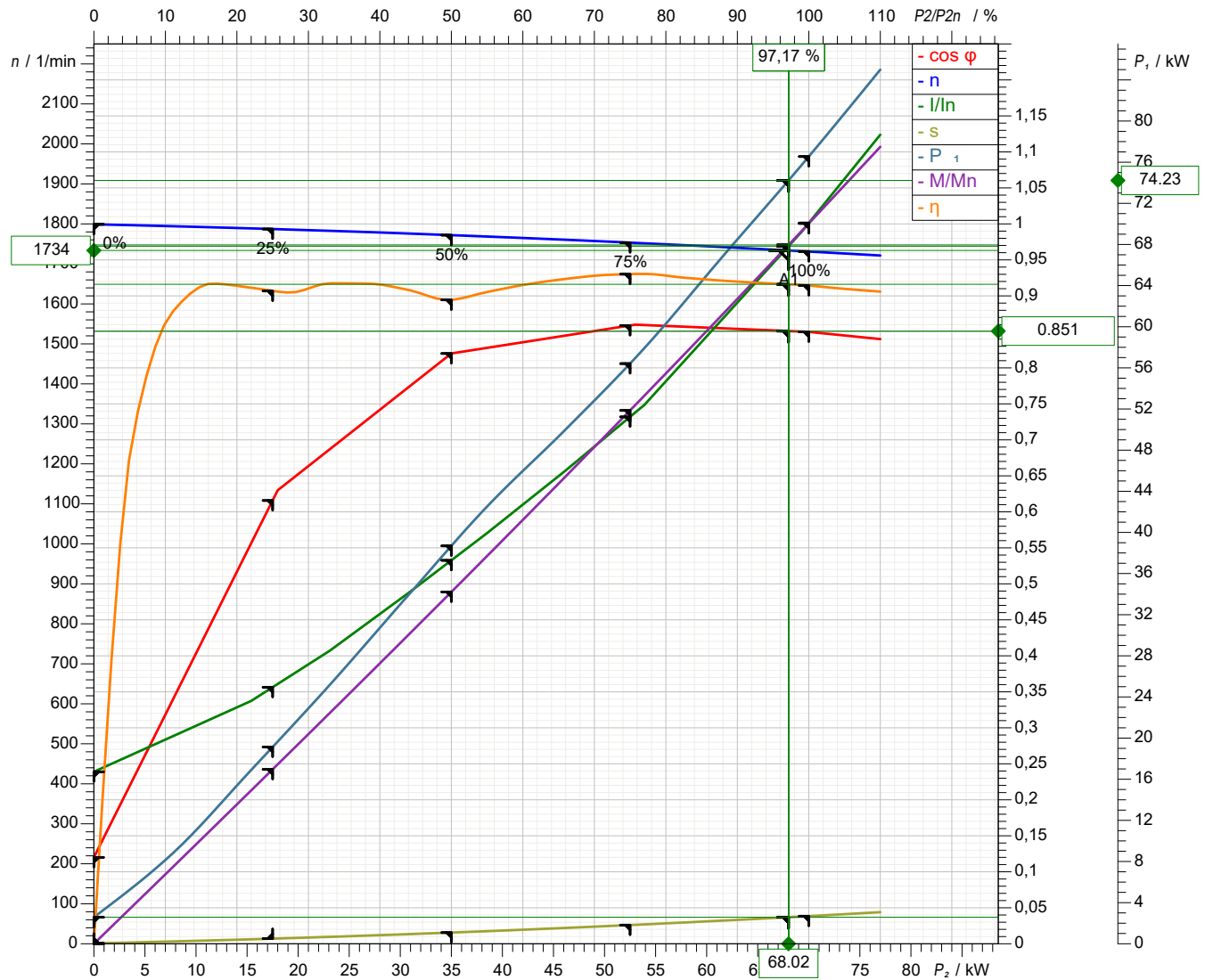
Frequency
60 Hz

Motor performance curve



AM70-60

Rated power 70 kW	Service factor 1	Nominal Speed 1730 1/min	Number of poles 4	Rated voltage 460 V	Date 2022-08-31
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Symbol	No loac	25 %	50 %	75 %	100 %	125 %
P_2 / kW	0	17,5	35	52,5	70	
P_1 / kW	2,581	19,13	38,7	56,42	76,55	
η / %	0	90,69	89,45	93,03	91,44	
n / 1/min	1799	1787	1772	1753	1731	
$\cos \phi$	0,12	0,6158	0,82	0,8589	0,85	
I / A	27	39,64	60	82,36	113	
s / %	0,06069	0,7128	1,56	2,603	3,841	
M / Nm	0	93,51	188,6	286	386,2	

Tolerance according to VDE 0530 T1 12.84 for rated power

Starting current 392 A	Starting torque	Moment of inertia	No. starts per hour 15
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