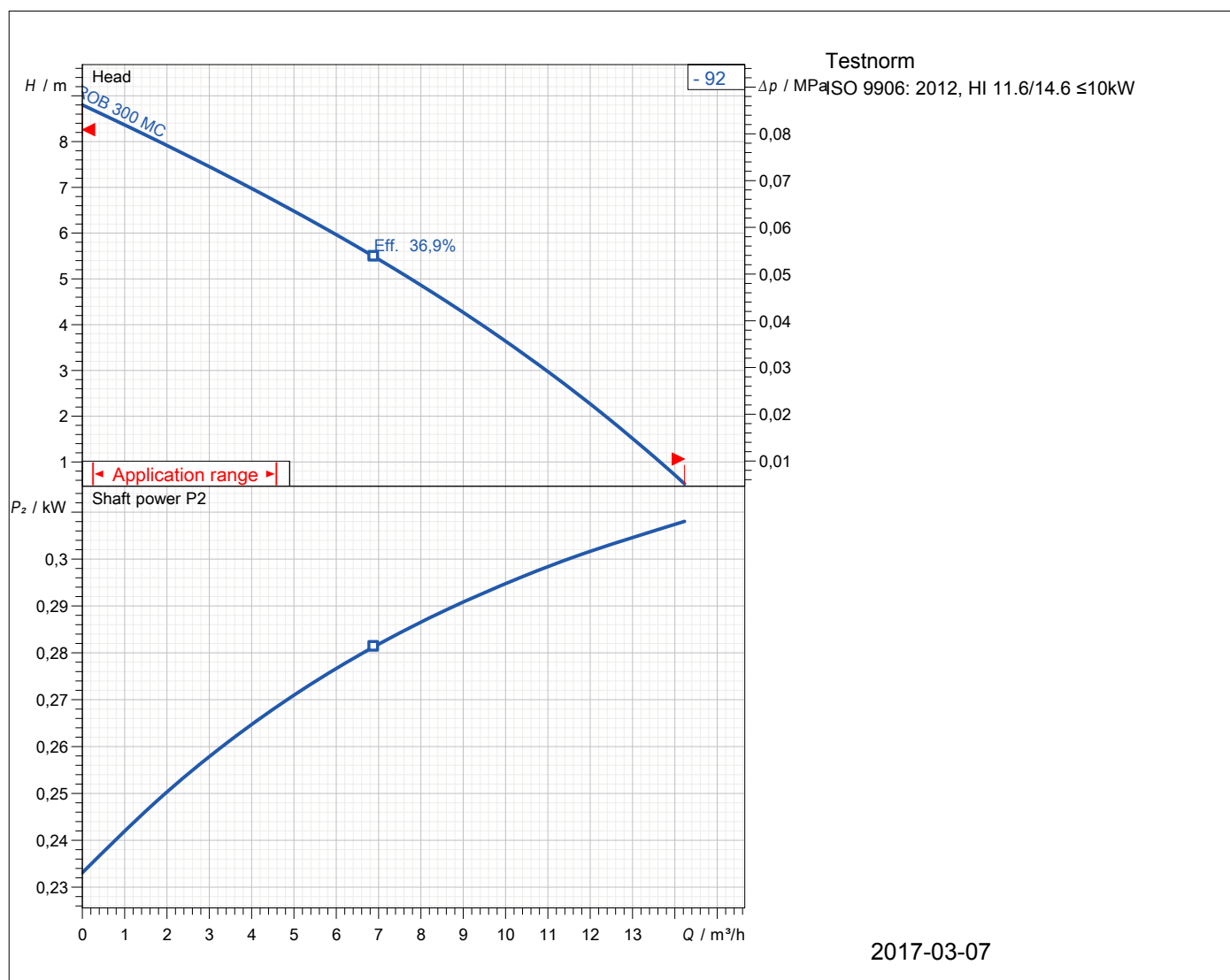
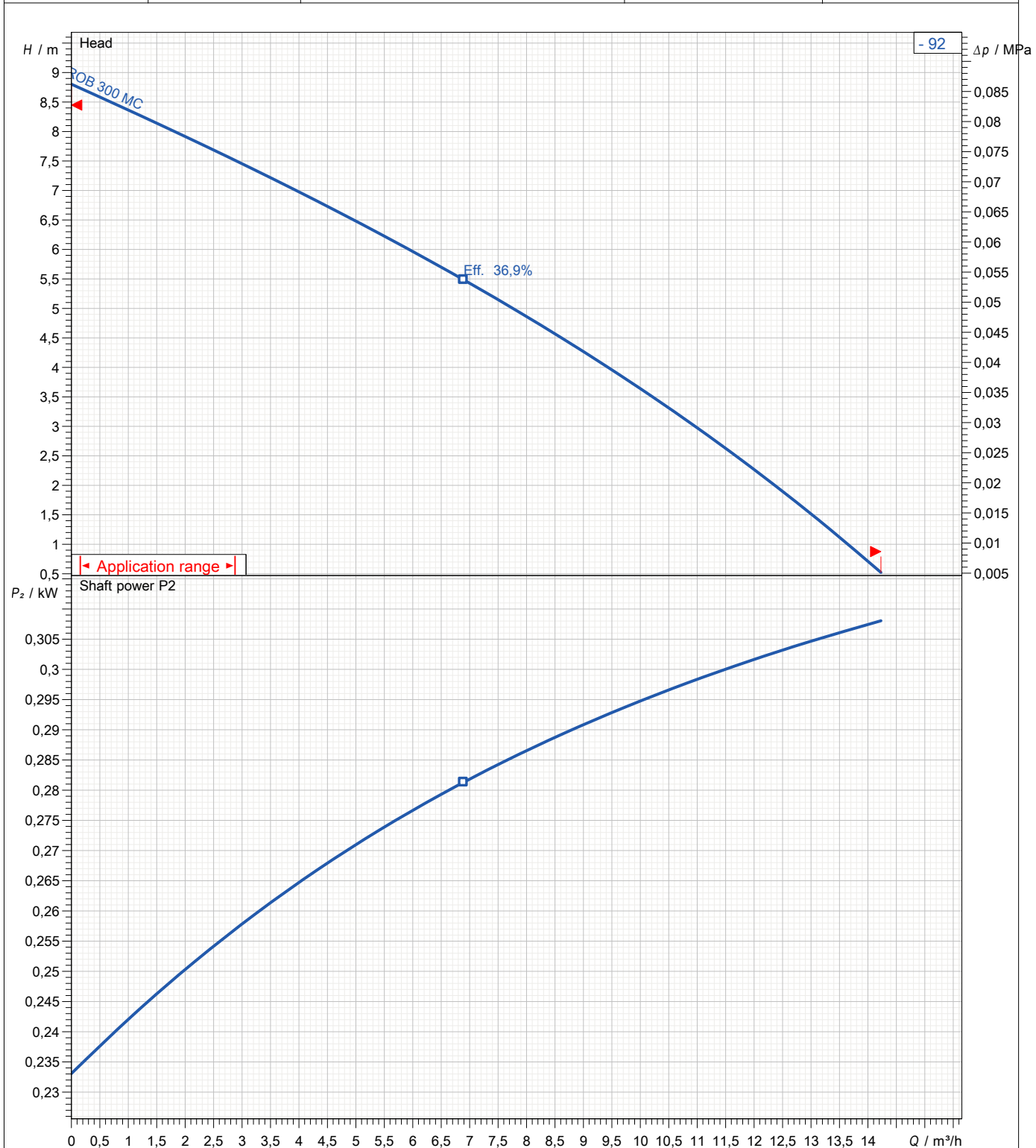


ROBUSTA 300 W/TS 50 HZ



Operating data specification			
Flow		Head	
Efficiency		Shaft power	
NPSH		Fluid	Water, pure
Temperature	20 °C	Nature of system	Single head pump
No. of pumps	1		
Pump data			
Type	ROBUSTA 300 W/TS 50 HZ	Make	SULZER
Series	ROBUSTA	Impeller	Vortex impeller
N° of vanes	6	Impeller size	92 mm
Free passage	10 mm	Suction flange	
Discharge flange	G1¼"	Type of installation	
			Dimension Print
Motor data			
Rated voltage	230 V	Frequency	50,0 Hz
Rated power P2	0,312 kW	Nominal Speed	2350 1/min
Number of poles	2	Efficiency	62,3 %
Power factor	0,96	Rated current	2,26 A
Starting current		Rated torque	1,27 Nm
Starting torque		Degree of protection	IP 68
Insulation class	F	No. starts per hour	15

Curve number		Pump performance curves ROBUSTA 300 W/TS 50 HZ			SULZER
Reference curve ROB 300 50HZ AUG 08					
			Discharge G1¼"	Frequency 50 Hz	
Density 998,3 kg/m³	Viscosity 1,005 mm²/s	Testnorm ISO 9906: 2012, HI 11.6/14.6 ≤10kW	Rated speed 2495 1/min	Date 2017-03-07	
Flow	Head	Rated power	Hydraulic efficiency	NPSH	



Impeller size 92 mm	N° of vanes 6	Impeller Vortex impeller	Solid size 10 mm	Revision
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Frequency
50 Hz

Motor performance curve

ROB 300 MC

SULZER

Rated power
0,312 kW

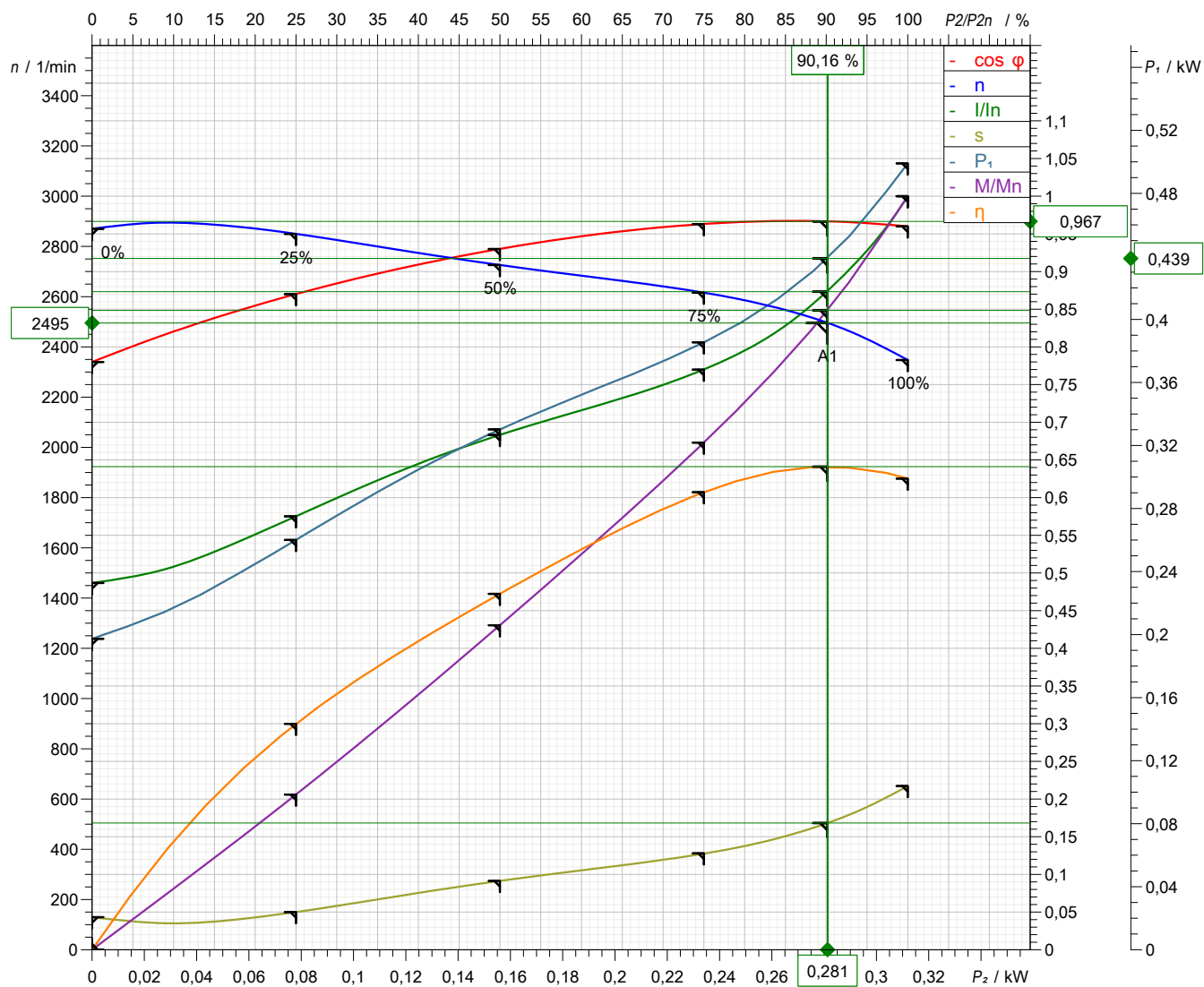
Service factor
1

Nominal Speed
2350 1/min

Number of poles
2

Rated voltage
230 V

Date
2017-03-07



Symbol	No loac	25 %	50 %	75 %	100 %	125 %
P_2 / kW	0	0,078	0,156	0,234	0,312	
P_1 / kW	0,1973	0,2601	0,3303	0,3855	0,499	
η / %	0	29,99	47,24	60,72	62,52	
n / 1/min	2870	2850	2726	2616	2348	
$\cos \phi$	0,78	0,87	0,93	0,963	0,96	
I / A	1,1	1,3	1,544	1,74	2,26	
s / %	4,333	5	9,133	12,8	21,73	
M / Nm	0	0,2614	0,5465	0,8541	1,269	

Tolerance according to VDE 0530 T1 12.84 for rated power

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