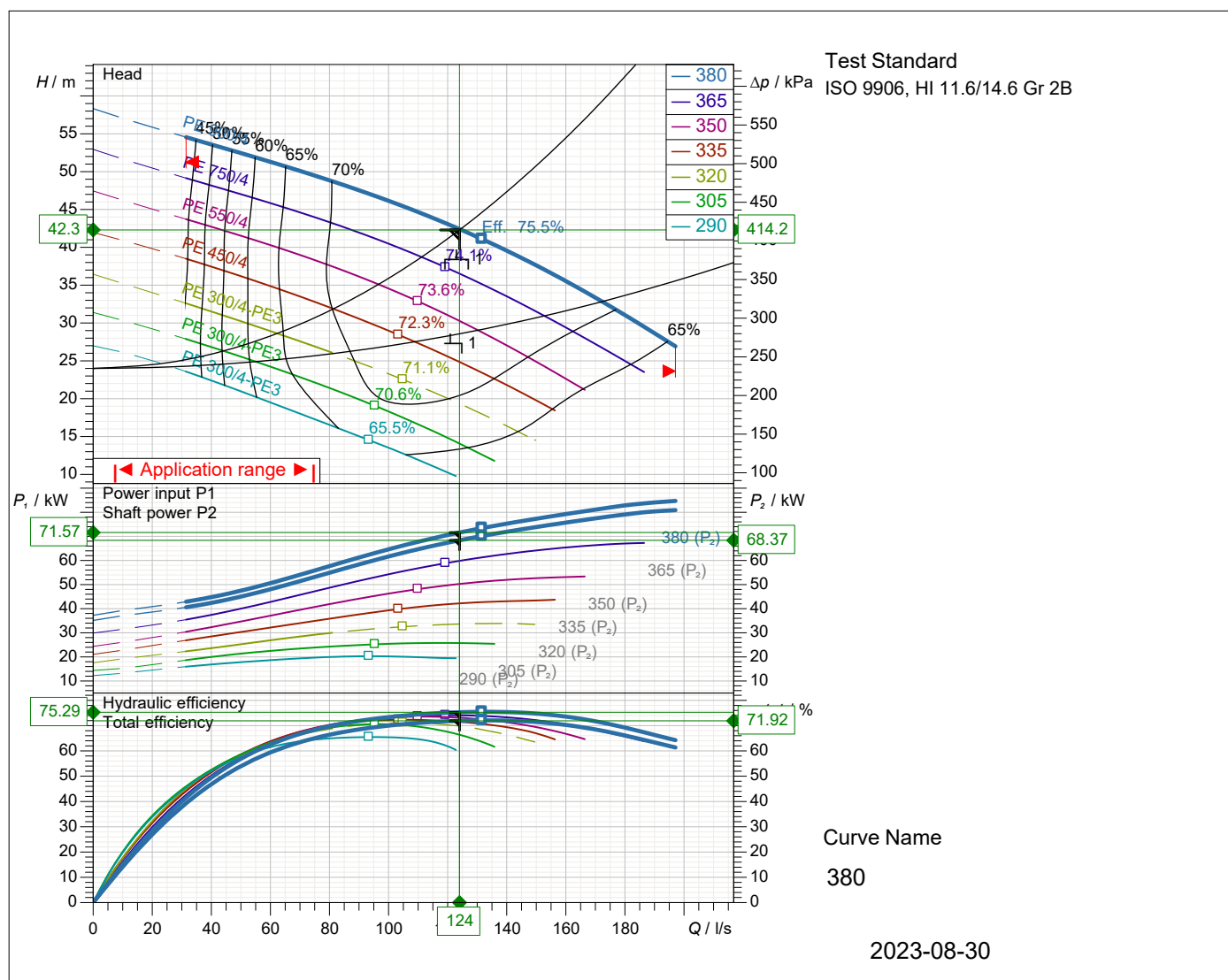
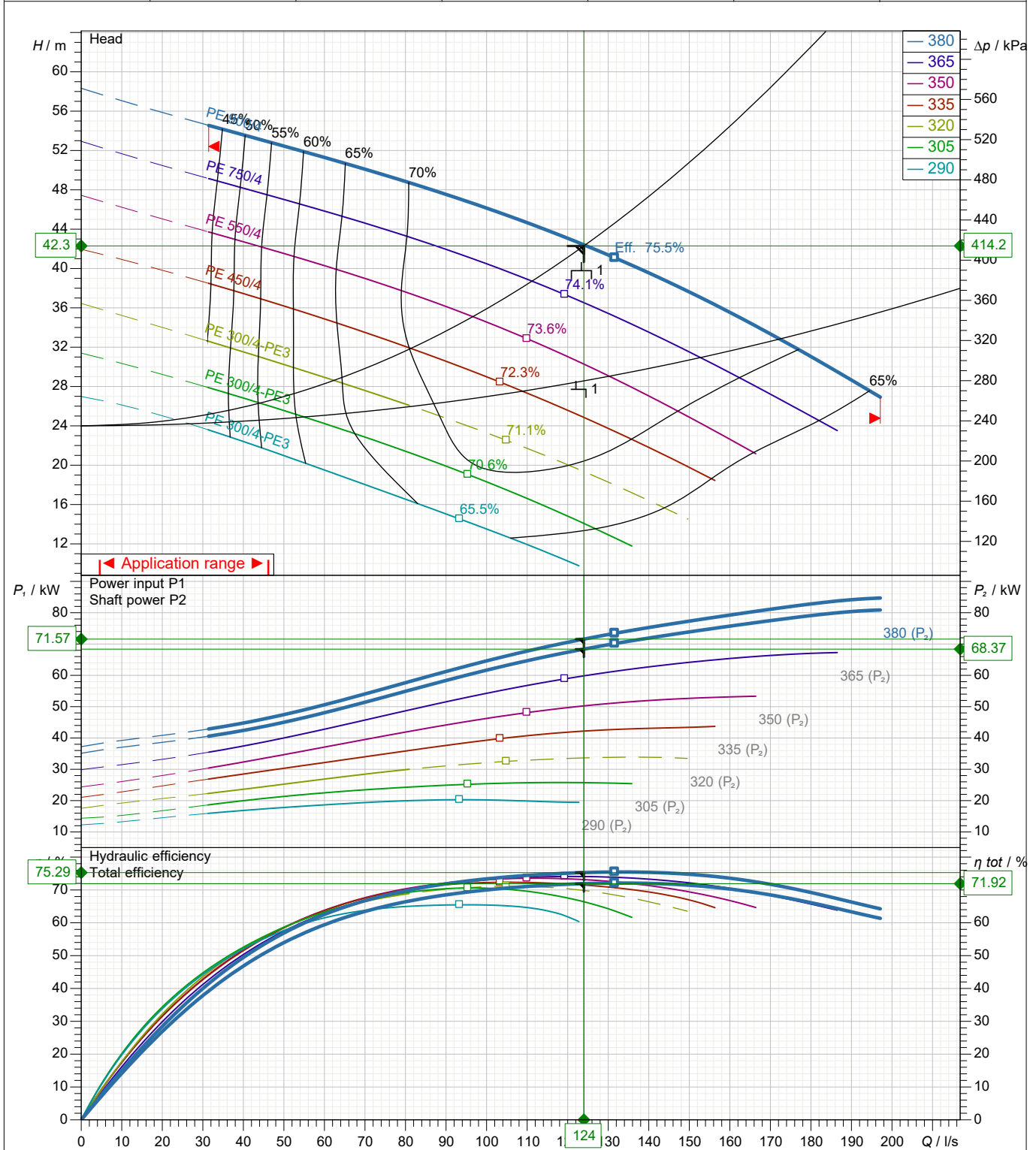


XFP155J-CB2 50 HZ



Operating data specification		Power input	71.6 kW
Flow	124 l/s	Head	42.3 m
Efficiency	75.3 %	Shaft power	68.4 kW
NPSH	3.19 m	Fluid	Wastewater
Temperature	20 °C	Nature of system	Single pumps as parallel circuit
No. of pumps	2		
Pump data		Make	SULZER
Type	XFP155J-CB2 50 HZ	Impeller	Contrablock Plus impeller
Series	XFP PE4-PE7	Impeller size	380 mm
N° of vanes	2	Suction flange	DN200
Free passage	75 x 100 mm	Type of installation	Dry well horizontal installation
Discharge flange	DN150		
Moment of inertia	0.59 kg m ²		
Motor data		Frequency	50 Hz
Rated voltage	400 V	Nominal Speed	1480 1/min
Rated power P2	90 kW	Efficiency	95.2 %
Number of poles	4	Rated current	153 A
Power factor	0.896	Rated torque	581 Nm
Starting current	1300 A	Degree of protection	IP 68
Starting torque	1630 Nm	No. starts per hour	15
Insulation class	H(140)		

Curve number		<div>Pump performance curves</div> <div>SULZER</div> <div>XFP155J-CB2 50 HZ</div>				
Reference curve XFP155J-CB2 50 HZ						
					Discharge DN150	Frequency 50 Hz
Density	Viscosity	Test Standard			Rated speed	Date
998.2 kg/m³	1 mm²/s	ISO 9906, HI 11.6/14.6 Gr 2B			1487 1/min	2023-08-30
Flow	Head	Shaft power	Power input	Rated power P2	Hyd. efficiency	NPSH
124 l/s	42.3 m	68.4 kW	71.6 kW	90 kW	75.3 %	3.19 m



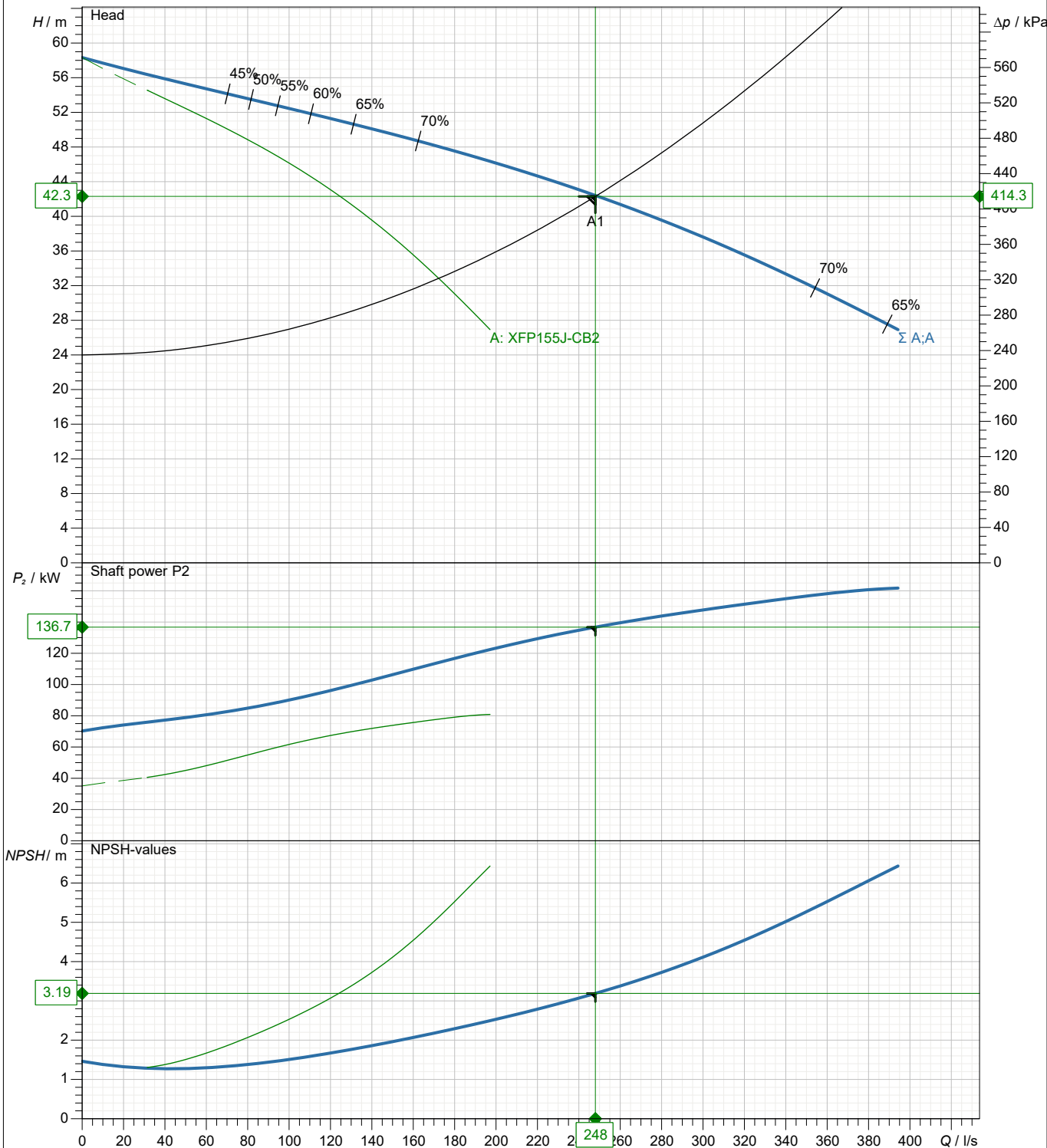
Dry well horizontal installation

Impeller size 380 mm	N° of vanes 2	Impeller Contrablock Plus impeller	Solid size 75 x 100 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® 6-23.2 - 2023/08/01 (Build 1226), 64 bit
Data version July 23.1

Curve number		<div>Pump performance curves</div> <div>XFP155J-CB2 50 HZ</div>				<div>SULZER</div>	
Reference curve XFP155J-CB2 50 HZ							
					Discharge DN150	Frequency 50 Hz	
Density 998.2 kg/m ³	Viscosity 1 mm ² /s	Test Standard ISO 9906, HI 11.6/14.6 Gr 2B			Rated speed 1487 1/min	Date 2023-08-30	
Flow 248 l/s	Head 42.3 m	Shaft power 68.4 kW	Power input 71.6 kW	Rated power P2 90 kW	Hyd. efficiency 75.3 %	NPSH 3.19 m	



Dry well horizontal installation				
Impeller size 380 mm	N° of vanes 2	Impeller Contrablock Plus impeller	Solid size 75 x 100 mm	Revision

Frequency
50 Hz

PE5B

Motor performance curve

SULZER

PE 900/4

Rated power
90 kW

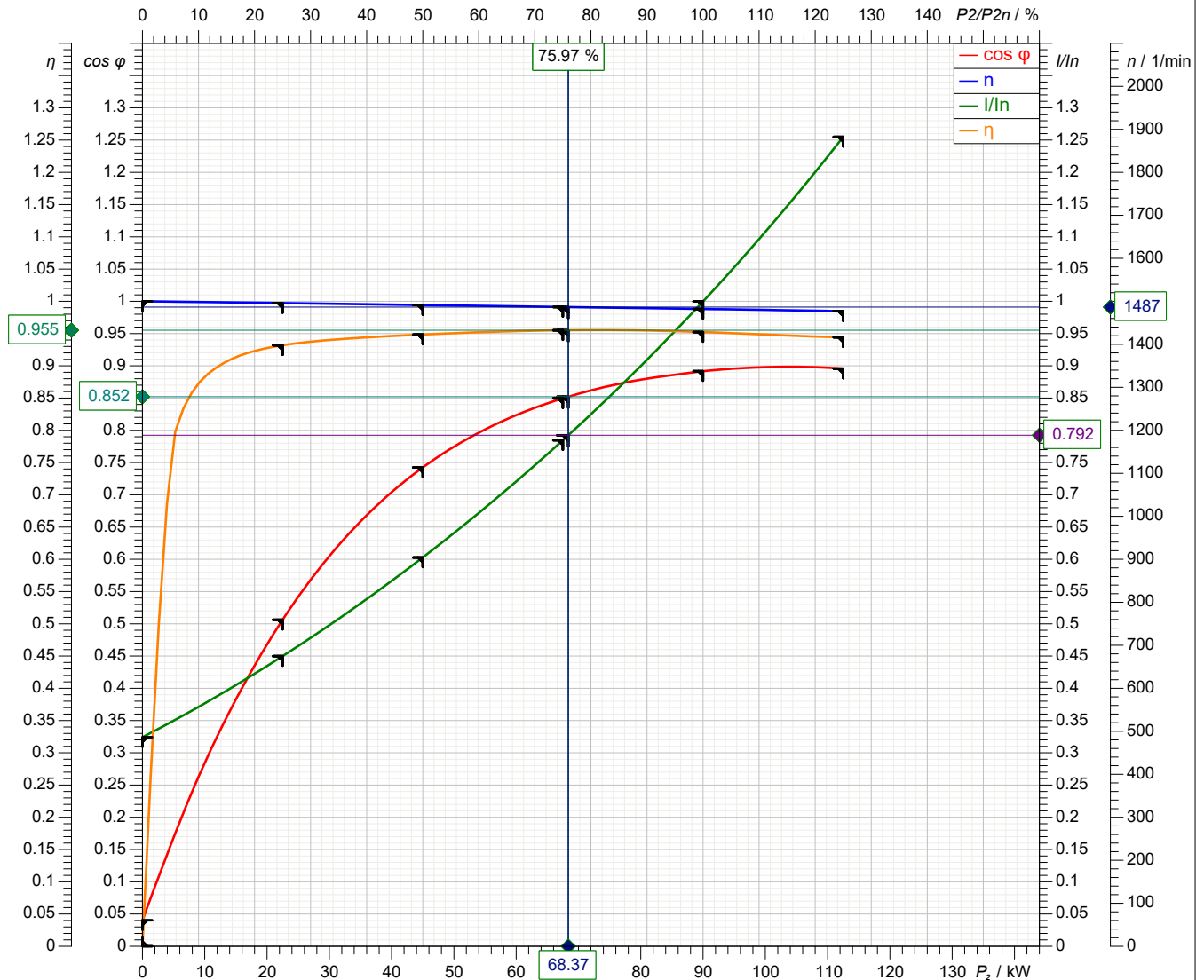
Service factor

Nominal Speed
1480 1/min

Number of poles
4

Rated voltage
400 V

Date
2023-08-30



Symbol	No load	25 %	50 %	75 %	100 %	125 %
P ₂ / kW	0	22.5	45	67.5	90	112.5
P ₁ / kW	1.386	24.14	47.44	70.67	94.5	119.1
I / A	49.59	68.83	92.24	120.1	153	192
cos φ	0.04034	0.5063	0.7424	0.8496	0.8917	0.8957
n / 1/min	1500	1496	1491	1487	1482	1477
s / %	0	0.2758	0.5815	0.8851	1.191	1.535
M / Nm	0	143.6	288.2	433.6	579.9	727.4
η / %	0	93.19	94.85	95.51	95.24	94.42

Tolerance according to VDE 0530 T1 12.84 for rated power

Starting current
1300 A

Starting torque
1630 Nm

Moment of inertia
1.5 kg m²

No. starts per hour
15