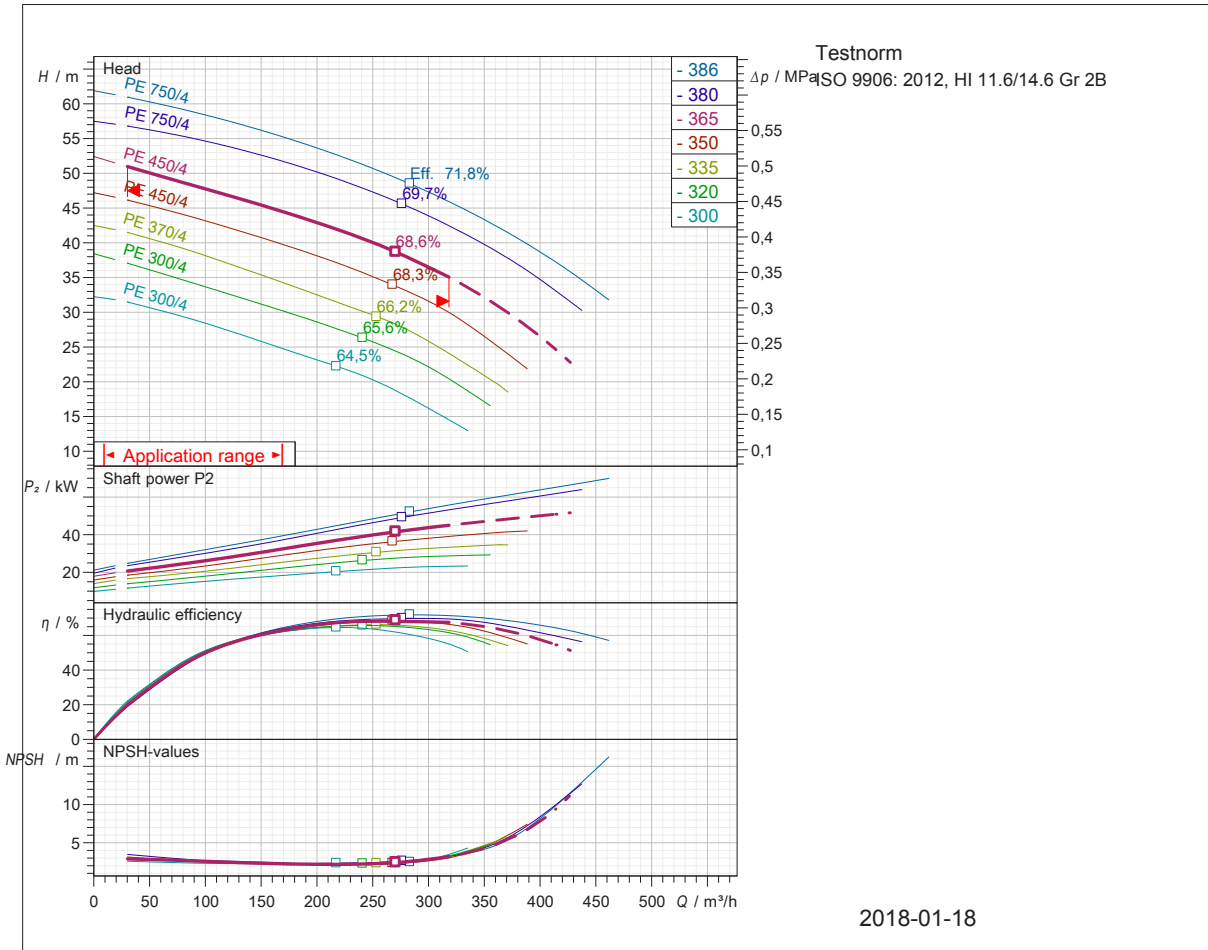


## SULZER XFP105J PE450 SUBMERSIBLE DEWATERING PUMP



<b>Operating data specification</b>		Head	
Flow		Shaft power	
Efficiency		Fluid	Water
NPSH		Nature of system	Single head pump
Temperature	20 °C		
No. of pumps	1		
<b>Pump data</b>		Make	
Type	XFP 105J-CB2 50 HZ	Impeller	SULZER Contrablock Plus impeller
Series	XFP PE4-PE7	Impeller size	365 mm
N° of vanes	2	Suction flange	DN150
Free passage	75 x 100 mm	Type of installation	wet well vertical installation 2"
Discharge flange	DN100		
Moment of inertia			
<b>Motor data</b>		Frequency	
Rated voltage	400 V	Nominal Speed	50 Hz 1480 1/min
Rated power P2	45 kW	Efficiency	94,2 %
Number of poles	4	Rated current	81 A
Power factor	0,852	Rated torque	290 Nm
Starting current	648 A	Degree of protection	IP 68
Starting torque	784 Nm	No. starts per hour	10
Insulation class	F		

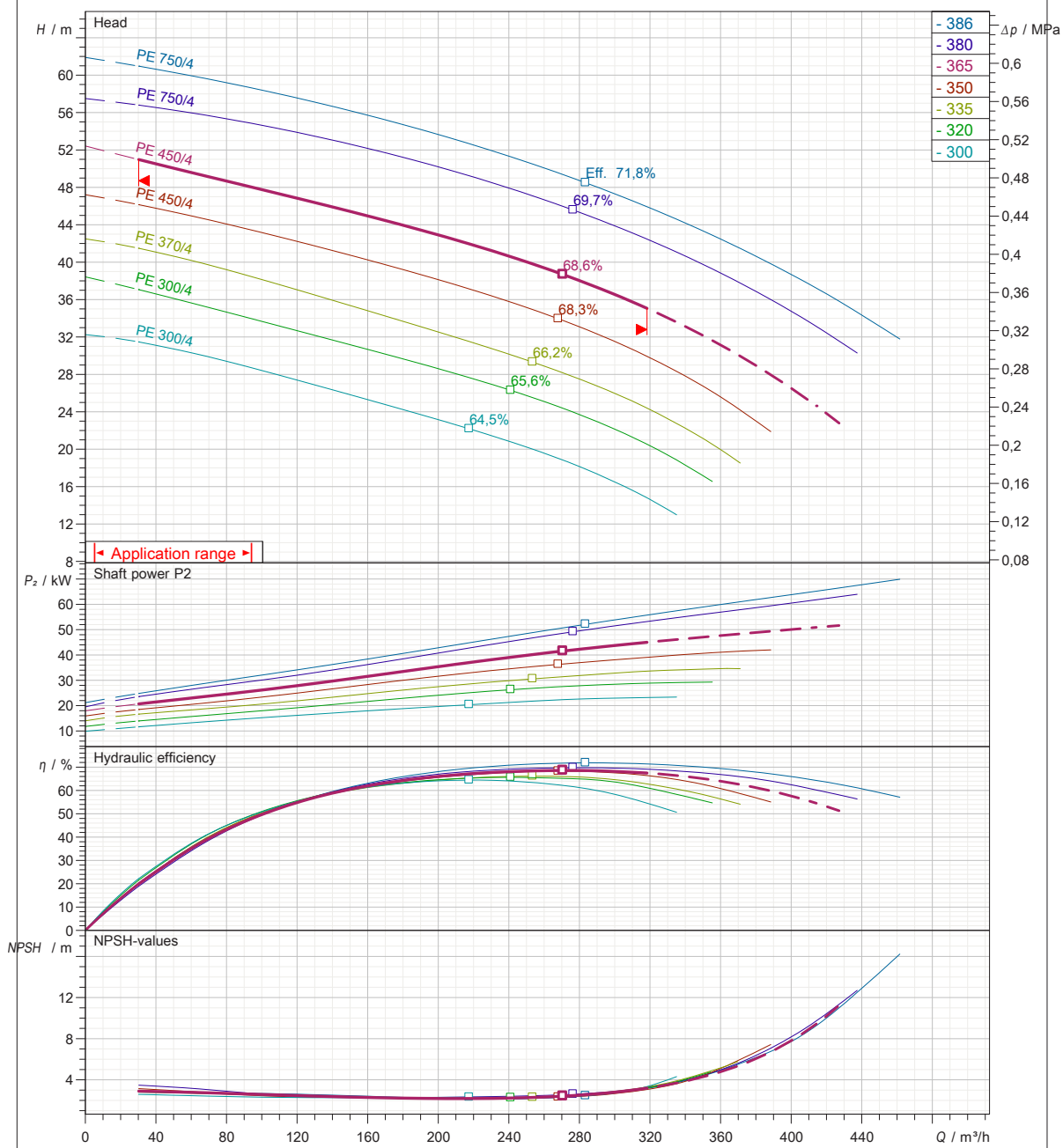
Sulzer reserves the right to change any data and dimensions without prior notice and can not be held responsible for the use of information contained in this software.

Spaix® 4, Version 4.3.4 - 2017/04/12 (Build 580)  
Data version Mar-2017



## SULZER XFP105J PE450 SUBMERSIBLE DEWATERING PUMP

Density 998,3 kg/m <sup>3</sup>	Viscosity 1,005 mm <sup>2</sup> /s	Testnorm ISO 9906: 2012, HI 11.6/14.6 Gr 2B	Discharge DN100	Frequency 50 Hz
Flow	Head	Rated power	Rated speed 1482 1/min	Date 2018-01-18
			Hydraulic efficiency	NPSH



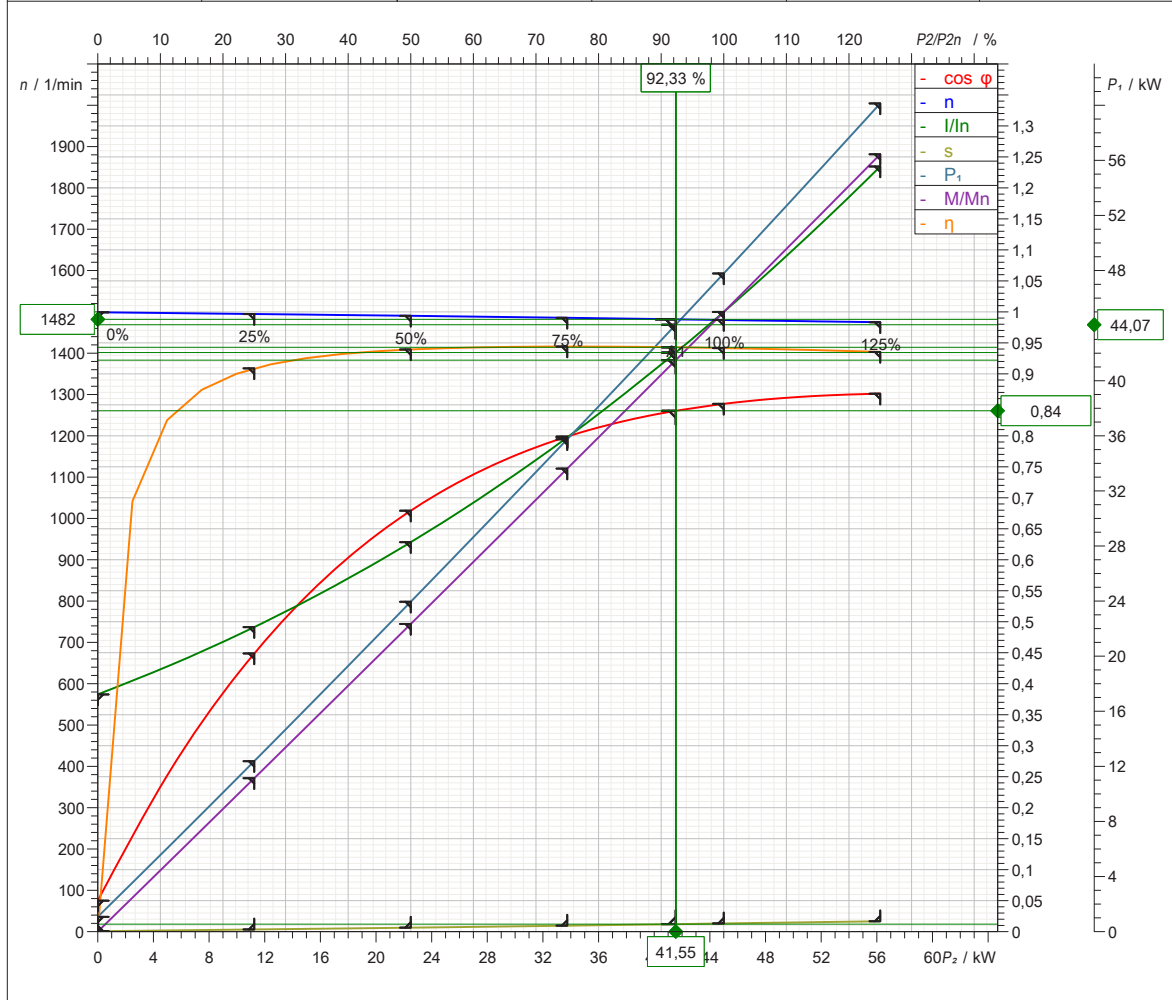
Impeller size 365 mm	N° of vanes 2	Impeller Contrablock Plus impeller	Solid size 75 x 100 mm	Revision
-------------------------	------------------	---------------------------------------	---------------------------	----------

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 4.3.4 - 2017/04/12 (Build 580)  
Data version Mar-2017



## SULZER XFP105J PE450 SUBMERSIBLE DEWATERING PUMP

Rated power 45 kW	Service factor 1	Nominal Speed 1480 1/min	Number of poles 4	Rated voltage 400 V	Date 2018-01-18
----------------------	---------------------	-----------------------------	----------------------	------------------------	--------------------



Symbol	No load	25 %	50 %	75 %	100 %	125 %
$P_2$ / kW	0	11,25	22,5	33,75	45	56,25
$P_1$ / kW	1,074	12,38	23,95	35,75	47,79	60,14
$\eta$ / %	0	90,89	93,94	94,4	94,16	93,54
$n$ / 1/min	1499	1495	1490	1486	1480	1475
$\cos \varphi$	0,05002	0,4489	0,6792	0,7988	0,8516	0,868
$I$ / A	31	39,8	50,9	64,6	81	100
$s$ / %	0,06376	0,3479	0,6376	0,9624	1,319	1,67
$M$ / Nm	0	71,87	144,2	216,9	290,3	364,2

Tolerance according to VDE 0530 T1 12.84 for rated power

Starting current 648 A	Starting torque 784 Nm	Moment of inertia 0,469 kg m <sup>2</sup>	No. starts per hour 10
---------------------------	---------------------------	--	---------------------------

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 4.3.4 - 2017/04/12 (Build 580  
Data version Mar-2017

