

# TEST REPORT



<b>PUMP</b>	<b>AHF-4 3000</b>
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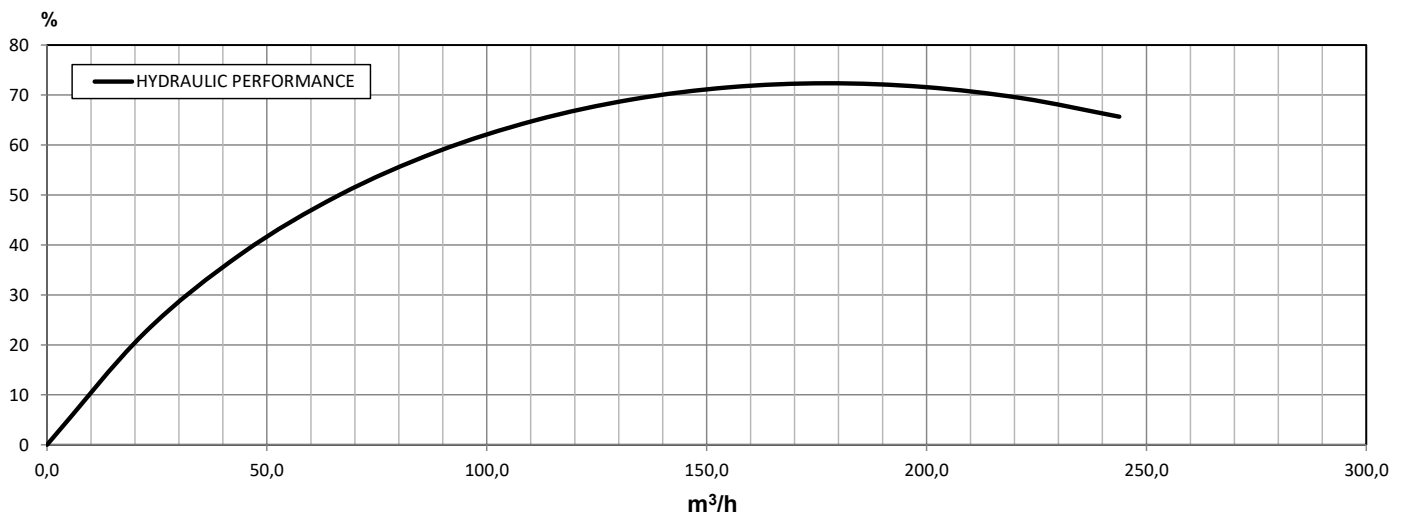
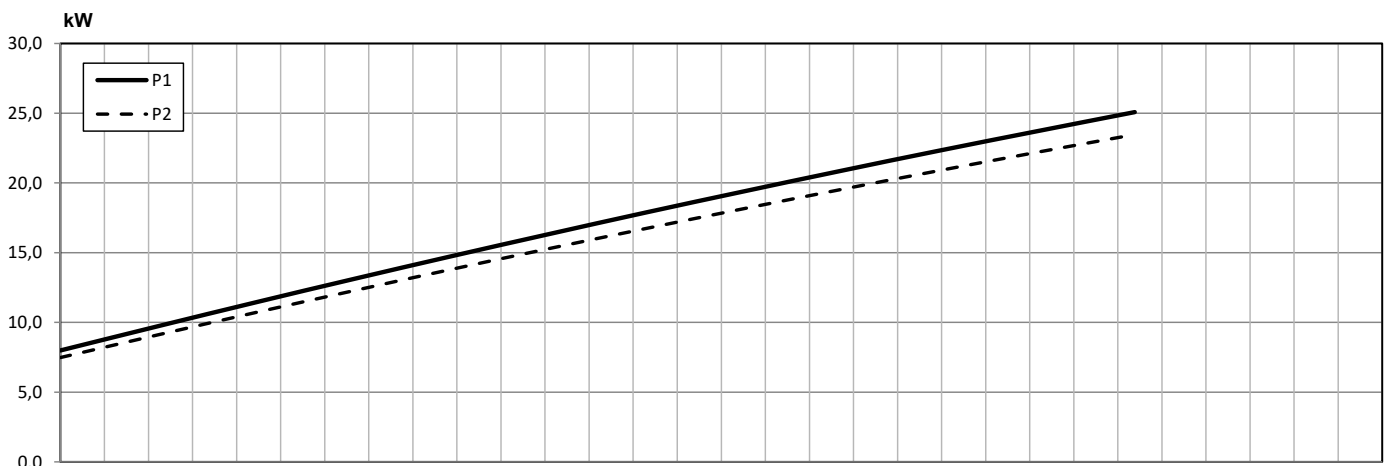
<b>DATE</b>	03/02/2020
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NOMINAL DATA					
<b>Qmax:</b>	240 m <sup>3</sup> /h	<b>Hmax:</b>	36 m	<b>Speed:</b>	1450 rpm
<b>Voltage:</b>	400 V	<b>Current:</b>	52 A	<b>Freq:</b>	50 Hz

TESTING CONDITIONS					
<b>Fluid / Density:</b>	Water [0,998 Kg/dm <sup>3</sup> ]	<b>In/Out Diff:</b>	1,06 m	<b>Fluid Temp:</b>	19,5 °C
<b>Suction Size:</b>	DN 125	<b>Drive Size:</b>	DN 100	<b>Ambient Temp:</b>	18 °C

PUMP PERFORMANCE TESTING REPORT											
No.	HYDRAULIC TEST						ELECTRIC TEST				
	Flow (m <sup>3</sup> /h)	In Head (m)	Out Head (m)	Kinetic (m)	Head (m)	Efficiency (%)	Speed (rpm)	Voltage (V)	Amp (A)	Power Factor	Power IN (W)
1	0,00	1,49	37,16	0,00	35,67	0,00	1.460	396	14,97	0,78	7.987
2	22,17	1,24	37,38	0,02	36,16	22,39	1.458	402	18,24	0,77	9.733
3	44,33	0,99	37,27	0,07	36,35	38,31	1.453	396	21,44	0,78	11.441
4	66,50	0,74	36,82	0,17	36,25	50,00	1.444	402	24,57	0,77	13.111
5	88,67	0,49	36,04	0,30	35,85	58,65	1.442	396	27,63	0,78	14.741
6	110,84	0,24	34,94	0,46	35,16	64,89	1.438	402	30,61	0,77	16.333
7	133,00	-0,01	33,49	0,67	34,18	69,11	1.439	400	33,52	0,77	17.887
8	155,17	-0,27	31,72	0,91	32,9	71,55	1.428	397	36,36	0,78	19.402
9	177,34	-0,52	29,63	1,18	31,32	72,35	1.425	401	39,13	0,77	20.878
10	199,51	-0,77	27,19	1,50	29,45	71,61	1.427	397	41,82	0,78	22.315
11	221,67	-1,02	24,42	1,85	27,29	69,37	1.416	401	44,44	0,77	23.715
12	243,84	-1,27	21,32	2,24	24,83	65,66	1.412	397	46,99	0,78	25.075

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Curves according ISO 9906 Annex A regulation