

# TEST REPORT



<b>PUMP</b>	<b>AHF-4 400</b>
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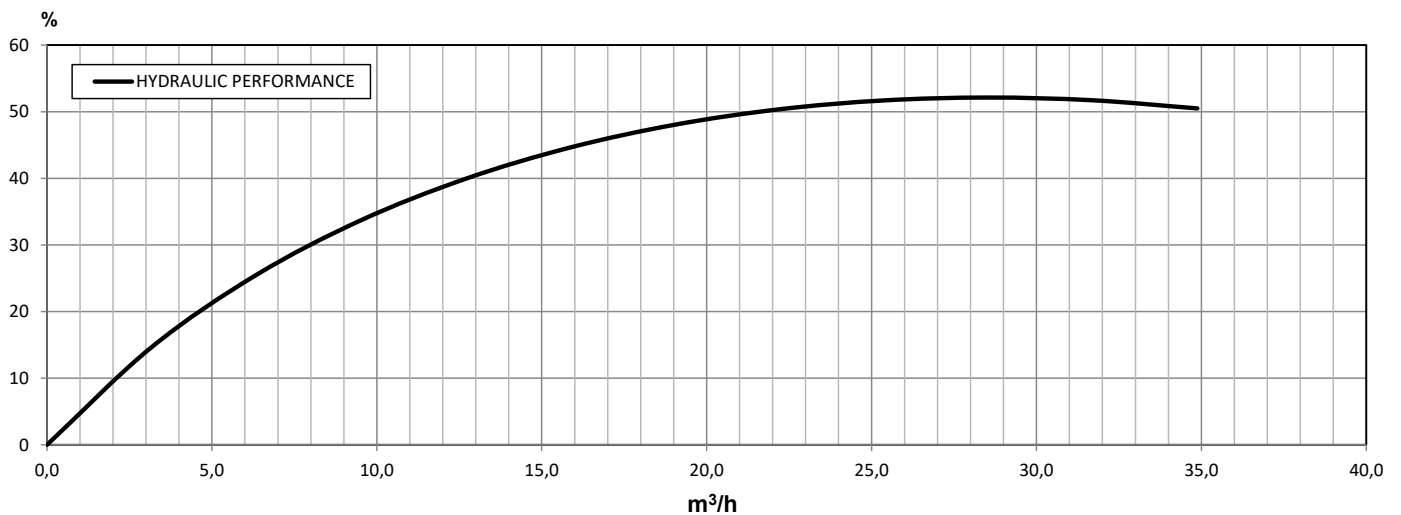
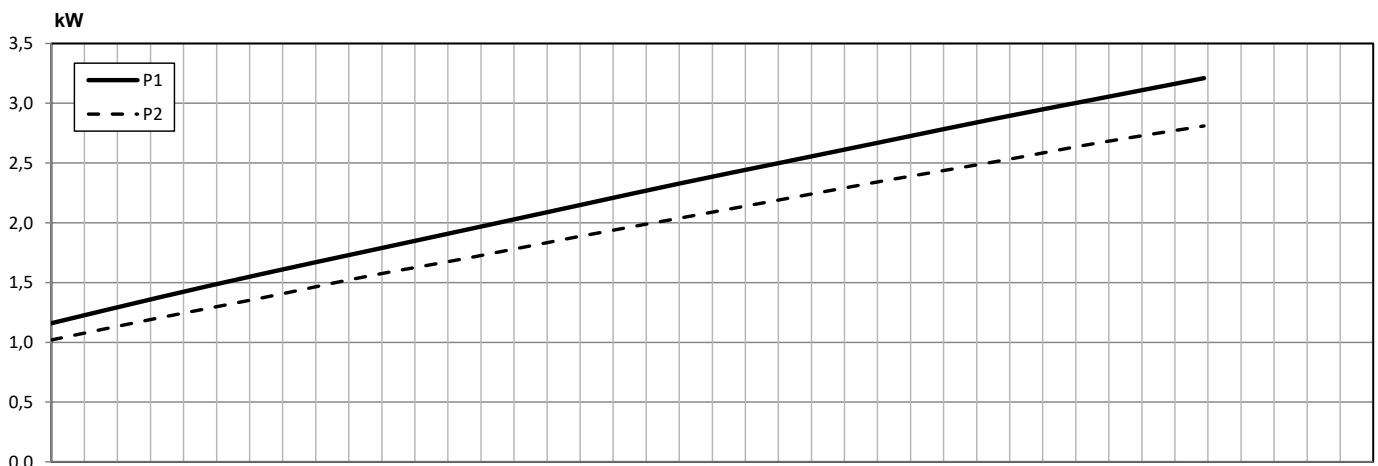
<b>DATE</b>	07/12/2020
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NOMINAL DATA					
<b>Qmax:</b>	34 m3/h	<b>Hmax:</b>	23 m	<b>Speed:</b>	1450 rpm
<b>Voltage:</b>	400 V	<b>Current:</b>	6,9 A	<b>Freq:</b>	50 Hz

TESTING CONDITIONS					
<b>Fluid / Density:</b>	Water [0,998 Kg/dm3]	<b>In/Out Diff:</b>	0,98 m	<b>Fluid Temp:</b>	21,9 °C
<b>Suction Size:</b>	DN 65	<b>Drive Size:</b>	DN 40	<b>Ambient Temp:</b>	27,6 °C

PUMP PERFORMANCE TESTING REPORT											
No.	HYDRAULIC TEST						ELECTRIC TEST				
	Flow (m3/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	24,67	0,00	23,18	0,00	1.461	396	2,18	0,78	1.164
2	3,17	1,36	24,56	0,02	23,22	14,65	1.456	402	2,56	0,77	1.367
3	6,34	1,23	24,28	0,09	23,14	25,48	1.454	399	2,94	0,77	1.566
4	9,51	1,09	23,84	0,19	22,94	33,68	1.446	396	3,30	0,78	1.762
5	12,69	0,96	23,24	0,34	22,62	39,92	1.442	402	3,66	0,77	1.955
6	15,86	0,83	22,47	0,54	22,19	44,62	1.441	399	4,02	0,77	2.144
7	19,03	0,69	21,56	0,77	21,63	48,04	1.436	396	4,37	0,78	2.330
8	22,20	0,56	20,47	1,05	20,96	50,36	1.433	402	4,71	0,77	2.513
9	25,37	0,43	19,23	1,37	20,17	51,69	1.425	399	5,04	0,77	2.692
10	28,54	0,3	17,81	1,74	19,26	52,12	1.419	399	5,37	0,77	2.868
11	31,71	0,16	16,24	2,15	18,23	51,71	1.418	402	5,70	0,77	3.040
12	34,88	0,03	14,51	2,60	17,08	50,49	1.411	399	6,01	0,77	3.209

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Curves according ISO 9906 Annex A regulation