

# TEST REPORT



<b>PUMP</b>	<b>AHF-4 550</b>
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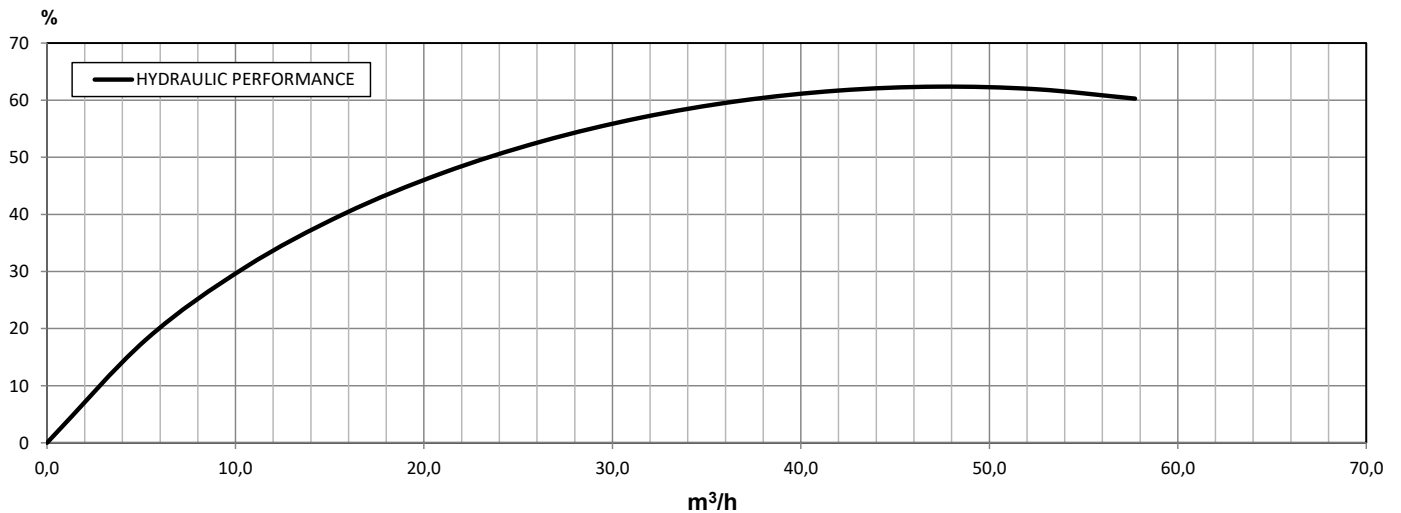
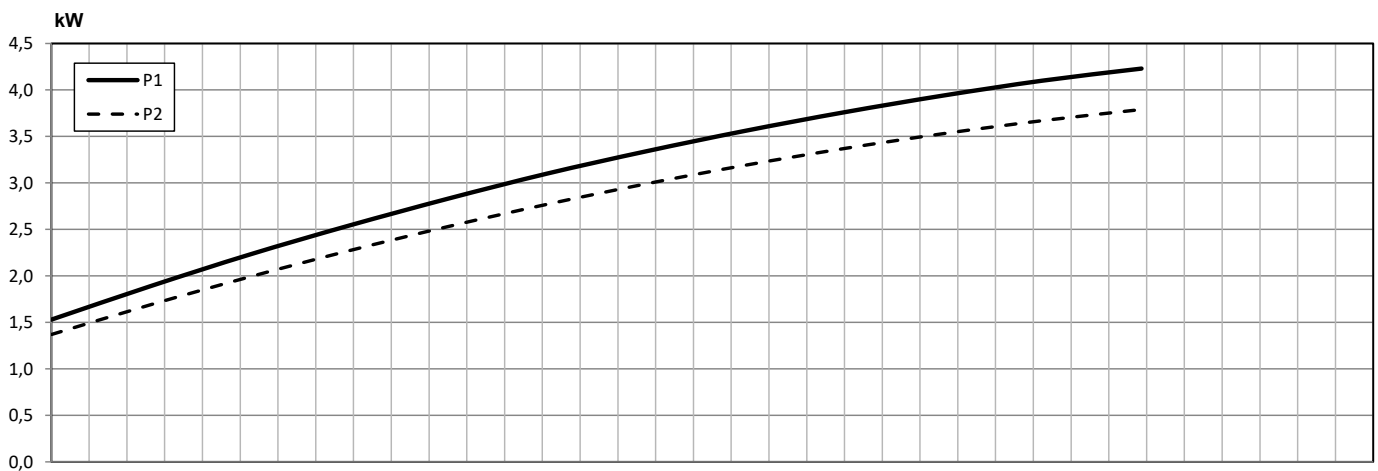
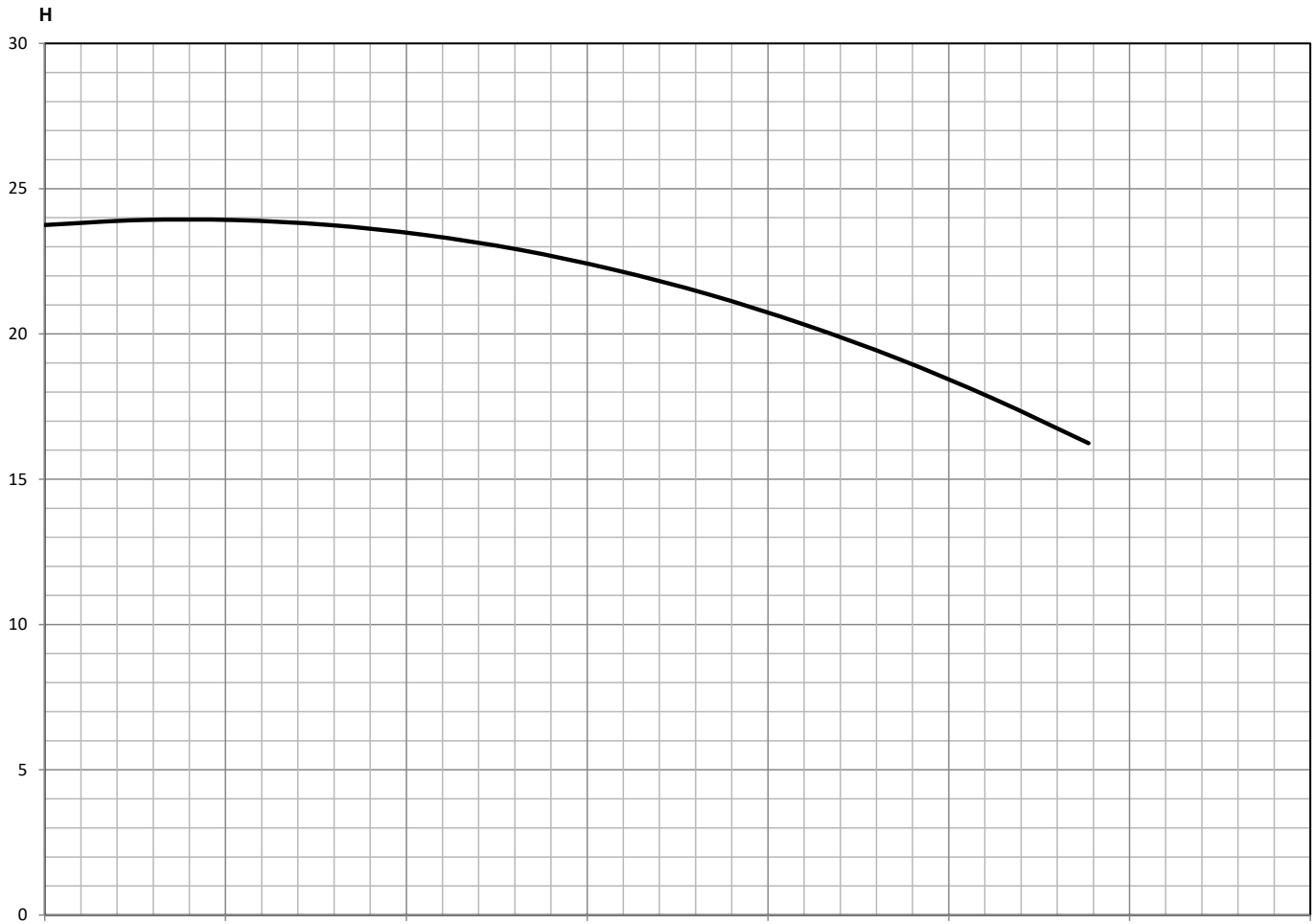
<b>DATE</b>	17/8/2021
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NOMINAL DATA					
<b>Qmax:</b>	54 m3/h	<b>Hmax:</b>	24 m	<b>Speed:</b>	1450 rpm
<b>Voltage:</b>	400 V	<b>Current:</b>	9,2 A	<b>Freq:</b>	50 Hz

TESTING CONDITIONS					
<b>Fluid / Density:</b>	Water [0,998 Kg/dm3]	<b>In/Out Diff:</b>	1,07 m	<b>Fluid Temp:</b>	21,7 °C
<b>Suction Size:</b>	DN 65	<b>Drive Size:</b>	DN 50	<b>Ambient Temp:</b>	26,8 °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	25,25	0,00	23,75	0,00	1.459	396	2,87	0,78	1.531
2	5,25	1,27	25,18	0,02	23,92	18,07	1.458	397	3,54	0,78	1.890
3	10,50	1,05	24,91	0,07	23,92	30,69	1.447	398	4,17	0,77	2.225
4	15,74	0,83	24,42	0,16	23,75	40,06	1.444	399	4,76	0,77	2.538
5	20,99	0,61	23,73	0,29	23,41	47,25	1.441	400	5,30	0,77	2.829
6	26,24	0,39	22,83	0,46	22,9	52,77	1.437	396	5,80	0,78	3.097
7	31,49	0,17	21,73	0,66	22,21	56,92	1.433	397	6,26	0,78	3.342
8	36,73	-0,05	20,41	0,90	21,36	59,87	1.427	398	6,68	0,77	3.564
9	41,98	-0,27	18,9	1,17	20,33	61,68	1.431	397	7,05	0,78	3.764
10	47,23	-0,49	17,17	1,48	19,14	62,37	1.425	396	7,39	0,78	3.942
11	52,48	-0,71	15,24	1,83	17,77	61,92	1.418	400	7,68	0,77	4.097
12	57,73	-0,93	13,1	2,21	16,24	60,27	1.411	399	7,92	0,77	4.229

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Curves according ISO 9906 Annex A regulation