

PUMP	MAGNUS-4 550
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DATE	Periodic re-testing is carried out annually in January to verify continued compliance
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NOMINAL DATA					
Qmax:	143,4 m ³ /h	Hmax:	15 m	Speed:	1450 rpm
Voltage:	400 V	Current:	8,8 A	Freq:	50 Hz

TESTING CONDITIONS					
Fluid / Density:	Water [0,998 Kg/dm ³]	In/Out Diff:	0,94 m	Fluid Temp:	21,2 °C
Suction Size:	DN 100	Drive Size:	DN 100	Ambient Temp:	24,8 °C

PUMP PERFORMANCE TESTING REPORT											
No.	HYDRAULIC TEST						ELECTRIC TEST				
	Flow (m ³ /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	16,55	0,00	15,06	0,00	1.459	400	2,65	0,77	1.414
2	13,39	1,25	15,99	0,00	14,74	29,17	1.454	396	3,45	0,78	1.840
3	26,78	1,02	15,25	0,00	14,24	46,32	1.451	403	4,19	0,76	2.238
4	40,17	0,78	14,33	0,00	13,55	56,71	1.450	397	4,89	0,78	2.610
5	53,55	0,54	13,24	0,00	12,69	62,53	1.451	398	5,54	0,77	2.956
6	66,94	0,31	11,96	0,00	11,65	64,76	1.444	402	6,14	0,77	3.275
7	80,33	0,07	10,5	0,00	10,43	63,86	1.440	399	6,69	0,77	3.568
8	93,72	-0,17	8,87	0,00	9,03	60,03	1.437	401	7,19	0,77	3.834
9	107,11	-0,4	7,05	0,00	7,45	53,28	1.437	400	7,64	0,77	4.074
10	120,50	-0,64	5,05	0,00	5,69	43,53	1.438	398	8,03	0,77	4.287
11	133,88	-0,88	2,88	0,00	3,76	30,58	1.432	403	8,39	0,76	4.474
12	147,27	-1,11	0,53	0,00	1,64	14,18	1.428	397	8,69	0,78	4.635

