

PUMP	MAGNUS-4 1000
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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:	175 m3/h	Hmax:	18 m	Speed:	1450 rpm
Voltage:	400 V	Current:	15,8 A	Freq:	50 Hz

TESTING CONDITIONS					
Fluid / Density:	Water [0,998 Kg/dm3]	In/Out Diff:	0,94 m	Fluid Temp:	21,8 °C
Suction Size:	DN 100	Drive Size:	DN 100	Ambient Temp:	27,1 °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	19,87	0,00	18,38	0,00	1.461	400	5,20	0,77	2.776
2	16,07	1,21	19,05	0,00	17,84	22,39	1.454	397	6,53	0,78	3.482
3	32,14	0,92	18,08	0,00	17,15	36,16	1.452	402	7,77	0,77	4.146
4	48,20	0,64	16,95	0,00	16,31	44,84	1.446	401	8,93	0,77	4.767
5	64,27	0,35	15,66	0,00	15,31	50,04	1.443	397	10,02	0,78	5.347
6	80,34	0,07	14,22	0,00	14,15	52,55	1.444	402	11,03	0,77	5.885
7	96,41	-0,21	12,63	0,00	12,84	52,78	1.441	400	11,96	0,77	6.380
8	112,48	-0,5	10,88	0,00	11,38	50,93	1.442	403	12,81	0,76	6.834
9	128,55	-0,78	8,98	0,00	9,76	47,08	1.438	398	13,58	0,77	7.246
10	144,61	-1,07	6,92	0,00	7,98	41,23	1.437	400	14,27	0,77	7.615
11	160,68	-1,35	4,7	0,00	6,05	33,31	1.431	403	14,89	0,76	7.943
12	176,75	-1,63	2,33	0,00	3,97	23,19	1.431	398	15,42	0,77	8.229

