

PUMP	MAGNUS-2 1500
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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:	189 m3/h	Hmax:	24 m	Speed:	2900 rpm
Voltage:	400 V	Current:	20,9 A	Freq:	50 Hz

TESTING CONDITIONS					
Fluid / Density:	Water [0,998 Kg/dm3]	In/Out Diff:	0,94 m	Fluid Temp:	20,4 °C
Suction Size:	DN 100	Drive Size:	DN 100	Ambient Temp:	21,5 °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	25,72	0,00	24,23	0,00	2.908	400	7,60	0,77	4.054
2	17,65	1,18	25,41	0,00	24,23	23,22	2.903	398	9,39	0,77	5.011
3	35,31	0,87	24,73	0,00	23,87	38,72	2.902	400	11,09	0,77	5.918
4	52,96	0,55	23,68	0,00	23,12	49,16	2.891	402	12,70	0,77	6.775
5	70,62	0,24	22,25	0,00	22,01	55,74	2.885	401	14,21	0,77	7.582
6	88,27	-0,07	20,45	0,00	20,52	59,06	2.881	397	15,63	0,78	8.339
7	105,93	-0,38	18,27	0,00	18,65	59,39	2.879	399	16,95	0,77	9.047
8	123,58	-0,69	15,72	0,00	16,41	56,84	2.869	403	18,19	0,76	9.704
9	141,23	-1,01	12,79	0,00	13,8	51,40	2.871	399	19,33	0,77	10.312
10	158,89	-1,32	9,49	0,00	10,81	42,99	2.859	396	20,37	0,78	10.870
11	176,54	-1,63	5,82	0,00	7,45	31,45	2.857	402	21,32	0,77	11.378
12	194,20	-1,94	1,78	0,00	3,72	16,59	2.849	401	22,18	0,77	11.836

