

PUMP	MAGNUS-4 400
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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:	90 m3/h	Hmax:	18 m	Speed:	1450 rpm
Voltage:	400 V	Current:	6,9 A	Freq:	50 Hz

TESTING CONDITIONS					
Fluid / Density:	Water [0,998 Kg/dm3]	In/Out Diff:	0,94 m	Fluid Temp:	21,7 °C
Suction Size:	DN 100	Drive Size:	DN 100	Ambient Temp:	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	19,8	0,00	18,31	0,00	1.462	396	1,95	0,78	1.042
2	8,74	1,34	18,83	0,00	17,49	28,93	1.453	402	2,69	0,77	1.437
3	17,48	1,18	17,68	0,00	16,49	43,69	1.454	403	3,36	0,76	1.794
4	26,21	1,03	16,34	0,00	15,31	51,67	1.446	399	3,96	0,77	2.113
5	34,95	0,87	14,82	0,00	13,95	55,40	1.440	397	4,48	0,78	2.393
6	43,69	0,72	13,12	0,00	12,4	55,91	1.436	401	4,94	0,77	2.635
7	52,43	0,56	11,23	0,00	10,67	53,59	1.433	402	5,32	0,77	2.838
8	61,17	0,41	9,16	0,00	8,75	48,48	1.432	400	5,63	0,77	3.003
9	69,91	0,25	6,91	0,00	6,65	40,42	1.423	398	5,87	0,77	3.130
10	78,64	0,1	4,47	0,00	4,37	29,07	1.425	400	6,03	0,77	3.218
11	87,38	-0,05	1,85	0,00	1,91	13,88	1.419	398	6,12	0,77	3.268
12	96,12	-0,21	-0,95	0,00	-0,74	0,00	1.415	400	6,15	0,77	3.279

