

PUMP	MAGNUS-4 300
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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:	84,5 m ³ /h	Hmax:	16 m	Speed:	1450 rpm
Voltage:	400 V	Current:	5,3 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	17,73	0,00	16,24	0,00	1.457	396	1,16	0,78	616
2	8,02	1,35	16,65	0,00	15,3	37,44	1.455	398	1,67	0,77	891
3	16,04	1,21	15,46	0,00	14,26	54,32	1.452	400	2,15	0,77	1.145
4	24,06	1,07	14,17	0,00	13,11	62,31	1.449	397	2,58	0,78	1.377
5	32,08	0,92	12,78	0,00	11,86	65,20	1.446	401	2,97	0,77	1.587
6	40,10	0,78	11,29	0,00	10,51	64,53	1.443	403	3,33	0,76	1.776
7	48,12	0,64	9,69	0,00	9,05	60,97	1.439	402	3,64	0,77	1.943
8	56,14	0,5	7,99	0,00	7,49	54,78	1.435	398	3,91	0,77	2.088
9	64,16	0,36	6,19	0,00	5,83	46,00	1.431	402	4,15	0,77	2.212
10	72,18	0,21	4,28	0,00	4,07	34,50	1.426	400	4,34	0,77	2.315
11	80,20	0,07	2,27	0,00	2,2	20,04	1.421	397	4,49	0,78	2.396
12	88,22	-0,07	0,16	0,00	0,23	2,25	1.416	397	4,60	0,78	2.455

