

PUMP	MAGNUS-4 750
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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:	160 m3/h	Hmax:	17 m	Speed:	1450 rpm
Voltage:	400 V	Current:	12 A	Freq:	50 Hz

TESTING CONDITIONS					
Fluid / Density:	Water [0,998 Kg/dm3]	In/Out Diff:	0,94 m	Fluid Temp:	21,3 °C
Suction Size:	DN 100	Drive Size:	DN 100	Ambient Temp:	25,3 °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	18,96	0,00	17,47	0,00	1.460	400	3,37	0,77	1.796
2	14,68	1,23	18,01	0,00	16,78	28,48	1.458	403	4,41	0,76	2.353
3	29,37	0,97	16,93	0,00	15,96	44,31	1.453	397	5,39	0,78	2.877
4	44,05	0,71	15,73	0,00	15,02	53,37	1.447	398	6,32	0,77	3.370
5	58,73	0,45	14,39	0,00	13,94	58,11	1.446	399	7,18	0,77	3.832
6	73,42	0,19	12,93	0,00	12,74	59,66	1.443	401	7,99	0,77	4.262
7	88,10	-0,07	11,33	0,00	11,4	58,62	1.441	400	8,73	0,77	4.661
8	102,79	-0,33	9,61	0,00	9,94	55,26	1.438	396	9,42	0,78	5.027
9	117,47	-0,59	7,76	0,00	8,35	49,71	1.437	397	10,05	0,78	5.363
10	132,15	-0,85	5,78	0,00	6,62	42,01	1.431	398	10,62	0,77	5.667
11	146,84	-1,11	3,67	0,00	4,77	32,09	1.433	402	11,13	0,77	5.939
12	161,52	-1,37	1,43	0,00	2,79	19,84	1.433	401	11,58	0,77	6.179

