

PUMP	VERT MAGNUS-4 250
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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:	76 m3/h	Hmax:	14 m	Speed:	1450 rpm
Voltage:	400 V	Current:	4,9 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	15,78	0,00	14,28	0,00	1.462	396	1,02	0,78	542
2	7,40	1,36	14,8	0,00	13,44	35,36	1.458	402	1,43	0,77	765
3	14,80	1,23	13,73	0,00	12,5	51,92	1.449	399	1,82	0,77	969
4	22,20	1,1	12,57	0,00	11,47	59,93	1.449	400	2,16	0,77	1.155
5	29,60	0,97	11,3	0,00	10,33	62,89	1.441	397	2,48	0,78	1.322
6	37,00	0,84	9,93	0,00	9,1	62,23	1.437	402	2,76	0,77	1.471
7	44,40	0,71	8,47	0,00	7,76	58,55	1.437	400	3,00	0,77	1.601
8	51,80	0,58	6,91	0,00	6,33	52,09	1.427	403	3,21	0,76	1.712
9	59,20	0,44	5,25	0,00	4,8	42,82	1.427	402	3,38	0,77	1.805
10	66,60	0,31	3,49	0,00	3,17	30,58	1.427	400	3,52	0,77	1.880
11	74,00	0,18	1,63	0,00	1,45	15,03	1.417	403	3,63	0,76	1.935
12	81,40	0,05	-0,33	0,00	-0,38	0,00	1.413	398	3,70	0,77	1.972

