

PUMP	OPTIMA 100 M
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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:	18,2 m3/h	Hmax:	17 m	Speed / Freq:	2900 rpm (50 Hz)
Voltage:	230 V	Current:	4,2 A	Power:	1 HP

TESTING CONDITIONS					
Fluid / Density:	Water [0,998 Kg/dm3]	Ambient Temp:	21,5 °C	Fluid Temp:	20,4 °C
Suction Size:	1 1/2"	Drive Size:	1 1/2"	In/Out Diff:	0,75 m

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	18,9	0,00	17,41	0,00	2.912	230	1,43	0,55	312
2	1,69	1,3	18,41	0,00	17,11	20,02	2.901	228	1,80	0,55	393
3	3,38	1,12	17,72	0,00	16,61	32,51	2.890	232	2,16	0,54	470
4	5,08	0,93	16,83	0,00	15,9	40,45	2.888	232	2,49	0,54	542
5	6,77	0,74	15,73	0,00	14,99	45,19	2.877	228	2,80	0,55	610
6	8,46	0,56	14,43	0,00	13,87	47,37	2.865	231	3,09	0,54	674
7	10,15	0,37	12,92	0,00	12,55	47,31	2.852	229	3,36	0,55	732
8	11,84	0,18	11,21	0,00	11,03	45,15	2.840	231	3,61	0,54	787
9	13,53	0	9,29	0,00	9,3	40,92	2.829	229	3,84	0,55	836
10	15,23	-0,19	7,17	0,00	7,36	34,60	2.821	229	4,05	0,55	881
11	16,92	-0,38	4,85	0,00	5,23	26,08	2.808	230	4,23	0,55	922
12	18,61	-0,57	2,32	0,00	2,89	15,24	2.803	230	4,40	0,55	958

