

PUMP	OPTIMA 150 T
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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:	18,5 m3/h	Hmax:	19 m	Speed:	2900 rpm
Voltage:	400 V	Current:	2,9 A	Freq:	50Hz

TESTING CONDITIONS					
Fluid / Density:	Water [0,998 Kg/dm3]	In/Out Diff:	0,75 m	Fluid Temp:	20,6 °C
Suction Size:	1 1/2"	Drive Size:	1 1/2"	Ambient Temp:	22,3 °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	20,32	0,00	18,83	0,00	2.910	396	0,73	0,78	390
2	1,71	1,3	20,2	0,00	18,9	17,78	2.902	399	0,93	0,77	494
3	3,42	1,11	19,78	0,00	18,67	29,30	2.900	400	1,11	0,77	592
4	5,13	0,92	19,07	0,00	18,14	36,95	2.891	401	1,28	0,77	684
5	6,83	0,74	18,05	0,00	17,31	41,77	2.881	402	1,44	0,77	770
6	8,54	0,55	16,73	0,00	16,18	44,22	2.871	398	1,59	0,77	850
7	10,25	0,36	15,11	0,00	14,75	44,51	2.861	402	1,73	0,77	924
8	11,96	0,17	13,19	0,00	13,02	42,70	2.861	397	1,86	0,78	992
9	13,67	-0,02	10,97	0,00	10,99	38,78	2.851	401	1,97	0,77	1.053
10	15,38	-0,21	8,45	0,00	8,65	32,64	2.841	400	2,08	0,77	1.109
11	17,09	-0,4	5,62	0,00	6,02	24,16	2.831	402	2,17	0,77	1.158
12	18,80	-0,59	2,5	0,00	3,09	13,13	2.826	396	2,25	0,78	1.201

