

PUMP	OPTIMA 50 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:	14,6 m3/h	Hmax:	13 m	Speed:	2900 rpm
Voltage:	400 V	Current:	1,4 A	Freq:	50 Hz

TESTING CONDITIONS					
Fluid / Density:	Water [0,998 Kg/dm3]	In/Out Diff:	0,75 m	Fluid Temp:	19,3 °C
Suction Size:	1 1/2"	Drive Size:	1 1/2"	Ambient Temp:	17 °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	14,78	0,00	13,29	0,00	2.916	396	0,33	0,78	177
2	1,40	1,34	14,32	0,00	12,98	21,92	2.902	402	0,42	0,77	225
3	2,79	1,18	13,72	0,00	12,54	35,47	2.894	403	0,50	0,76	268
4	4,19	1,03	12,98	0,00	11,96	44,30	2.892	399	0,58	0,77	307
5	5,59	0,87	12,11	0,00	11,24	49,94	2.877	397	0,64	0,78	342
6	6,98	0,72	11,1	0,00	10,38	53,05	2.869	401	0,70	0,77	372
7	8,38	0,57	9,95	0,00	9,39	53,92	2.865	397	0,74	0,78	397
8	9,77	0,41	8,67	0,00	8,26	52,61	2.859	400	0,78	0,77	417
9	11,17	0,26	7,25	0,00	6,99	49,02	2.849	402	0,81	0,77	433
10	12,57	0,1	5,69	0,00	5,58	42,94	2.845	400	0,83	0,77	444
11	13,96	-0,05	3,99	0,00	4,04	34,02	2.838	398	0,85	0,77	451
12	15,36	-0,21	2,16	0,00	2,36	21,77	2.827	400	0,85	0,77	453

