

PUMP	OPTIMA 100 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:	18,2 m3/h	Hmax:	17 m	Speed:	2900 rpm
Voltage:	400 V	Current:	2 A	Freq:	50 Hz

TESTING CONDITIONS					
Fluid / Density:	Water [0,998 Kg/dm3]	In/Out Diff:	0,75 m	Fluid Temp:	21,8 °C
Suction Size:	1 1/2"	Drive Size:	1 1/2"	Ambient Temp:	27,1 °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	18,9	0,00	17,41	0,00	2.917	396	0,54	0,78	286
2	1,68	1,3	18,41	0,00	17,11	21,73	2.901	399	0,68	0,77	361
3	3,37	1,12	17,73	0,00	16,61	35,31	2.895	401	0,81	0,77	431
4	5,05	0,93	16,84	0,00	15,91	43,97	2.888	399	0,93	0,77	497
5	6,74	0,75	15,75	0,00	15	49,15	2.881	398	1,05	0,77	559
6	8,42	0,56	14,46	0,00	13,9	51,56	2.874	402	1,16	0,77	617
7	10,11	0,37	12,96	0,00	12,59	51,55	2.866	397	1,26	0,78	671
8	11,79	0,19	11,26	0,00	11,08	49,27	2.858	396	1,35	0,78	721
9	13,47	0	9,36	0,00	9,36	44,77	2.850	400	1,44	0,77	766
10	15,16	-0,18	7,26	0,00	7,45	38,00	2.842	403	1,51	0,76	808
11	16,84	-0,37	4,96	0,00	5,33	28,87	2.835	397	1,58	0,78	845
12	18,53	-0,56	2,45	0,00	3	17,23	2.826	402	1,65	0,77	878

