

PUMP	OPTIMA 75 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:	16,4 m ³ /h	Hmax:	15 m	Speed:	2900 rpm
Voltage:	400 V	Current:	1,7 A	Freq:	50 Hz

TESTING CONDITIONS					
Fluid / Density:	Water [0,998 Kg/dm ³]	In/Out Diff:	0,75 m	Fluid Temp:	20,4 °C
Suction Size:	1 1/2"	Drive Size:	1 1/2"	Ambient Temp:	21,5 °C

PUMP PERFORMANCE TESTING REPORT											
No.	HYDRAULIC TEST						ELECTRIC TEST				
	Flow (m ³ /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	16,92	0,00	15,43	0,00	2.910	396	0,40	0,78	215
2	1,54	1,32	16,46	0,00	15,14	23,92	2.906	401	0,50	0,77	265
3	3,08	1,15	15,84	0,00	14,69	39,28	2.896	398	0,59	0,77	313
4	4,62	0,98	15,04	0,00	14,06	49,20	2.888	403	0,67	0,76	359
5	6,15	0,81	14,06	0,00	13,25	55,13	2.882	400	0,75	0,77	402
6	7,69	0,64	12,91	0,00	12,27	57,86	2.869	402	0,83	0,77	444
7	9,23	0,47	11,59	0,00	11,12	57,79	2.869	397	0,91	0,78	483
8	10,77	0,3	10,09	0,00	9,79	55,13	2.861	399	0,97	0,77	520
9	12,31	0,13	8,42	0,00	8,29	49,98	2.846	399	1,04	0,77	555
10	13,85	-0,04	6,57	0,00	6,61	42,35	2.843	402	1,10	0,77	588
11	15,39	-0,21	4,55	0,00	4,76	32,20	2.834	400	1,16	0,77	619
12	16,92	-0,38	2,36	0,00	2,74	19,46	2.827	403	1,21	0,76	647

