

PUMP	OPTIMA 75 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:	16,4 m ³ /h	Hmax:	15 m	Speed / Freq:	2900 rpm (50 Hz)
Voltage:	230 V	Current:	3,8 A	Power:	0,75 HP

TESTING CONDITIONS					
Fluid / Density:	Water [0,998 Kg/dm ³]	Ambient Temp:	27,1 °C	Fluid Temp:	21,8 °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 (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	2.914	230	1,07	0,95	234
2	1,53	1,32	16,47	0,00	15,15	21,83	2.905	229	1,32	0,95	288
3	3,05	1,15	15,85	0,00	14,7	35,90	2.896	229	1,56	0,95	340
4	4,58	0,98	15,06	0,00	14,07	45,01	2.886	232	1,79	0,94	389
5	6,11	0,82	14,09	0,00	13,28	50,50	2.876	230	2,00	0,95	437
6	7,63	0,65	12,96	0,00	12,31	53,08	2.859	229	2,21	0,95	482
7	9,16	0,48	11,65	0,00	11,18	53,12	2.855	231	2,41	0,94	524
8	10,69	0,31	10,18	0,00	9,87	50,81	2.844	228	2,59	0,96	564
9	12,21	0,14	8,53	0,00	8,39	46,25	2.835	230	2,76	0,95	602
10	13,74	-0,03	6,71	0,00	6,73	39,45	2.818	231	2,93	0,94	638
11	15,27	-0,2	4,71	0,00	4,91	30,38	2.806	228	3,08	0,95	671
12	16,79	-0,37	2,55	0,00	2,92	18,97	2.796	228	3,22	0,96	702

