

# TEST REPORT



PUMP	AHF-2 1208
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DATE	24/9/2019
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NOMINAL DATA					
Qmax:	90 m <sup>3</sup> /h	Hmax:	32 m	Speed:	2900 rpm
Voltage:	400 V	Current:	16,5 A	Freq:	50 Hz

TESTING CONDITIONS					
Fluid / Density:	Water [0,998 Kg/dm <sup>3</sup> ]	In/Out Diff:	1,07 m	Fluid Temp:	21,2 °C
Suction Size:	DN 65	Drive Size:	DN 50	Ambient Temp:	24,8 °C

PUMP PERFORMANCE TESTING REPORT											
No.	HYDRAULIC TEST						ELECTRIC TEST				
	Flow (m <sup>3</sup> /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	33,26	0,00	31,77	0,00	2.914	396	6,29	0,78	3.356
2	8,77	1,12	33,24	0,05	32,17	20,01	2.904	401	7,19	0,77	3.835
3	17,54	0,76	32,87	0,20	32,31	35,74	2.899	402	8,08	0,77	4.314
4	26,31	0,39	32,12	0,46	32,19	48,09	2.886	396	8,98	0,78	4.791
5	35,08	0,02	31,02	0,82	31,81	57,63	2.878	401	9,87	0,77	5.267
6	43,85	-0,34	29,55	1,28	31,17	64,75	2.873	402	10,76	0,77	5.741
7	52,63	-0,71	27,72	1,84	30,27	69,70	2.862	400	11,65	0,77	6.215
8	61,40	-1,08	25,52	2,50	29,1	72,67	2.854	403	12,53	0,76	6.687
9	70,17	-1,45	22,96	3,27	27,68	73,79	2.850	398	13,41	0,77	7.158
10	78,94	-1,81	20,04	4,14	25,99	73,15	2.840	400	14,29	0,77	7.627
11	87,71	-2,18	16,75	5,11	24,04	70,83	2.834	403	15,17	0,76	8.096
12	96,48	-2,55	13,1	6,18	21,83	66,88	2.822	398	16,05	0,77	8.563

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