

PUMP	HF-4 2008
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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:	210 m3/h	Hmax:	26 m	Speed:	1450 rpm
Voltage:	400 V	Current:	32 A	Freq:	50 Hz

TESTING CONDITIONS					
Fluid / Density:	Water [0,998 Kg/dm3]	In/Out Diff:	1,06 m	Fluid Temp:	21,3 °C
Suction Size:	DN 125	Drive Size:	DN 100	Ambient Temp:	25,3 °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	27,1	0,00	25,6	0,00	1.455	396	11,37	0,78	6.067
2	19,43	1,27	27,19	0,01	25,93	19,58	1.459	397	13,11	0,78	6.997
3	38,87	1,05	27,02	0,06	26,03	34,73	1.448	398	14,85	0,77	7.922
4	58,30	0,83	26,6	0,13	25,9	46,45	1.448	399	16,57	0,77	8.841
5	77,74	0,61	25,92	0,23	25,54	55,36	1.440	400	18,28	0,77	9.754
6	97,17	0,39	24,99	0,36	24,96	61,86	1.443	396	19,98	0,78	10.662
7	116,61	0,17	23,81	0,51	24,15	66,22	1.431	397	21,67	0,78	11.565
8	136,04	-0,05	22,36	0,70	23,11	68,62	1.432	398	23,35	0,77	12.462
9	155,48	-0,27	20,67	0,91	21,85	69,19	1.429	397	25,03	0,78	13.354
10	174,91	-0,49	18,72	1,15	20,36	68,01	1.420	396	26,69	0,78	14.240
11	194,35	-0,71	16,52	1,42	18,65	65,17	1.416	400	28,34	0,77	15.121
12	213,78	-0,93	14,06	1,72	16,7	60,71	1.416	399	29,98	0,77	15.997

