

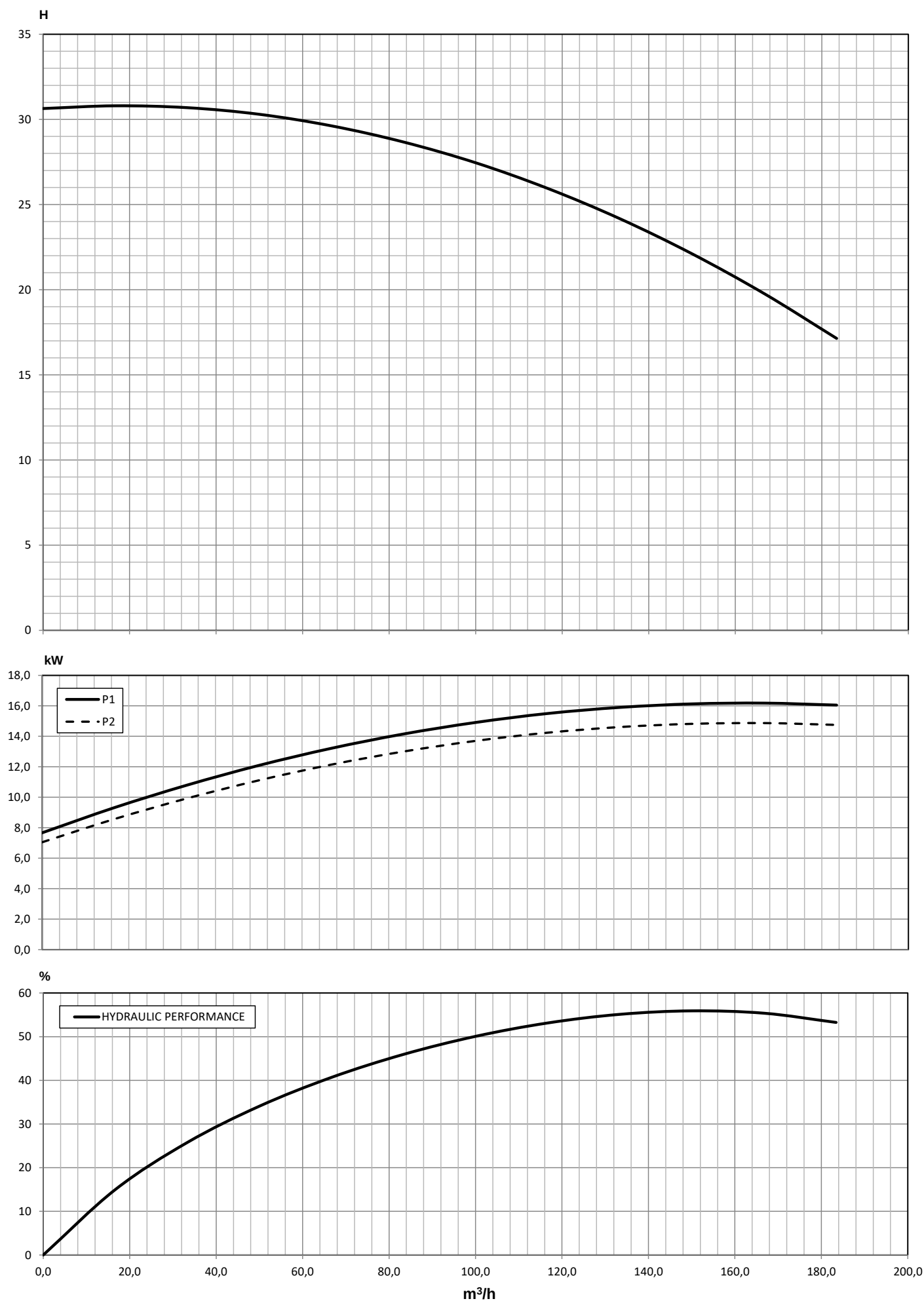
PUMP	HF-2 2008
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DATE	Periodic re-testing is carried out annually in January to verify continued compliance
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NOMINAL DATA					
Qmax:	180 m3/h	Hmax:	31 m	Speed:	2900 rpm
Voltage:	400 V	Current:	32 A	Freq:	50 Hz

TESTING CONDITIONS					
Fluid / Density:	Water [0,998 Kg/dm3]	In/Out Diff:	1,19 m	Fluid Temp:	19,3 °C
Suction Size:	DN 100	Drive Size:	DN 80	Ambient Temp:	17 °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	32,13	0,00	30,64	0,00	2.911	396	14,37	0,78	7.669
2	16,67	1,2	31,97	0,03	30,8	14,99	2.907	401	17,47	0,77	9.321
3	33,35	0,9	31,49	0,10	30,69	25,78	2.901	396	20,23	0,78	10.795
4	50,02	0,61	30,67	0,23	30,3	34,09	2.891	400	22,66	0,77	12.091
5	66,70	0,31	29,53	0,41	29,62	40,68	2.879	400	24,75	0,77	13.209
6	83,37	0,02	28,05	0,64	28,67	45,95	2.873	401	26,52	0,77	14.149
7	100,05	-0,28	26,25	0,92	27,45	50,08	2.865	403	27,95	0,76	14.912
8	116,72	-0,57	24,12	1,25	25,94	53,14	2.854	397	29,04	0,78	15.496
9	133,40	-0,87	21,65	1,64	24,16	55,11	2.849	397	29,80	0,78	15.902
10	150,07	-1,16	18,86	2,07	22,1	55,91	2.842	402	30,23	0,77	16.130
11	166,75	-1,46	15,74	2,56	19,76	55,37	2.833	402	30,32	0,77	16.181
12	183,42	-1,75	12,3	3,09	17,14	53,26	2.824	398	30,08	0,77	16.053



Curves according ISO 9906 Annex A regulation