



RANGE OF PERFORMANCE

Flow rate up to 600 l/min (36 m³/h)
Heads up to 39 m

LIMITS OF USE

Manometric suction lift up to 7 m
Liquid temperature up to + 90°C
Environment temperature up to + 40°C

CONSTRUCTION AND SAFETY STANDARDS

EN 60034-1
IEC 34-1
CEI 2-3



INSTALLATION AND USE

THE HF SERIES IS RECOMMENDED FOR CIVIL, AGRICULTURAL AND INDUSTRIAL APPLICATIONS. THE HIGH FLOW RATES AND CONTINUOUS RATING MAKE IT IDEAL FOR IRRIGATION WITH FLOWING AND SPRINKLING WATER, FOR DRAWING WATER FROM LAKES, RIVERS, WELLS, OR FOR INDUSTRIAL APPLICATIONS THAT NEED TO ACHIEVE LARGE FLOW RATES AT MEDIUM-LOW HEADS.

The pumps must be installed in enclosed places, or at least protected against inclement weather.

GUARANTEE 2 YEARS subject to our general terms of sale.

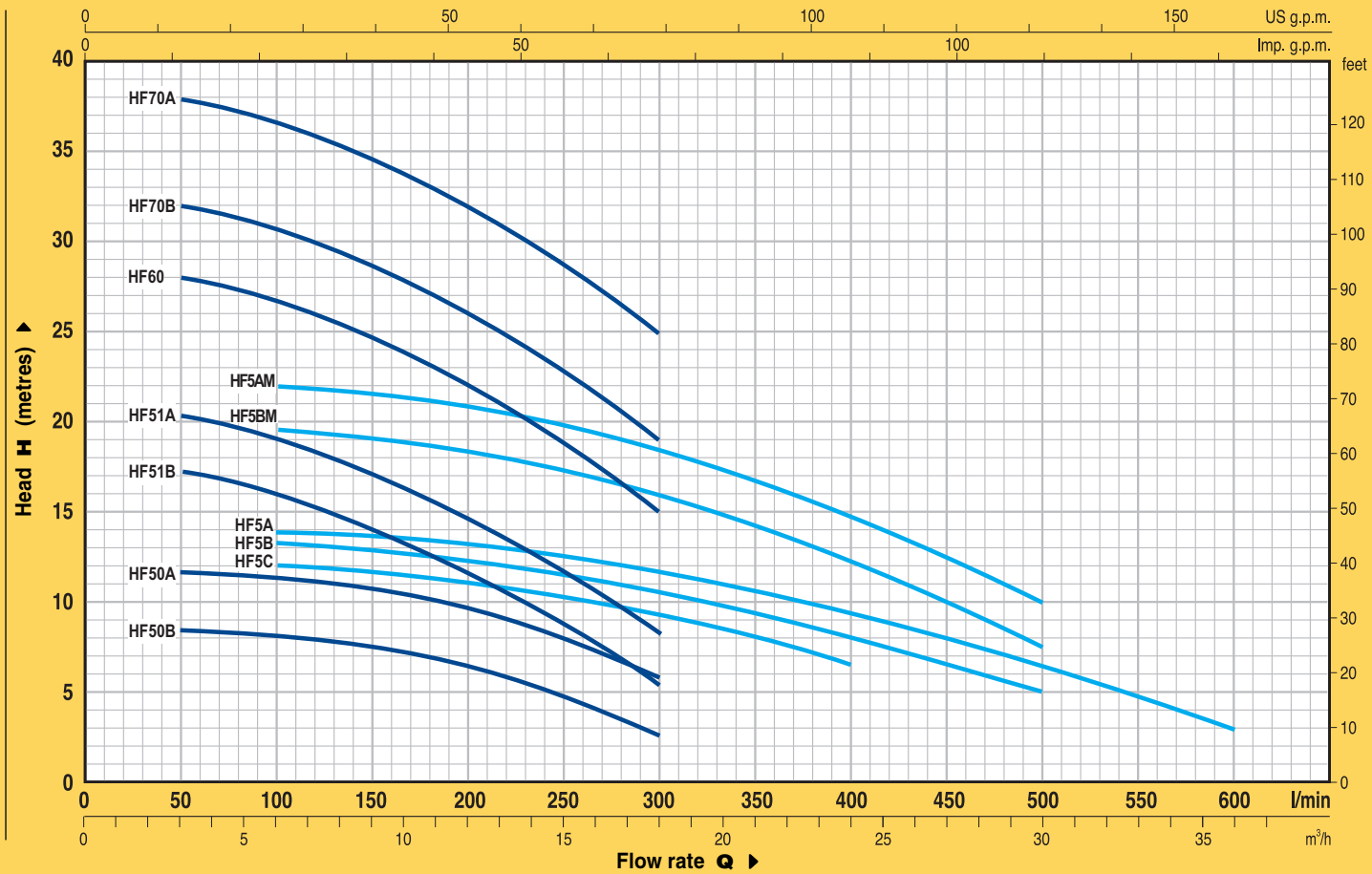
CONSTRUCTION CHARACTERISTICS

- **PUMP BODY:** cast iron, with threaded ports ISO 228/1.
- **IMPELLER:** brass, of the type with centrifugal radial flow.
- **MOTOR SHAFT:** stainless steel EN 10088-3 - 1.4104.
- **MECHANICAL SEAL:** ceramic - graphite - NBR.
- **ELECTRIC MOTOR:** the pumps are close-coupled to a carefully matched PEDROLLO electric motor, quiet running, totally enclosed fan cooled (TEFC), suitable for continuous duty.
 - HFm: single-phase 230 V - 50 Hz with capacitor and thermal overload protector.
 - HF: three-phase 230/400 V - 50 Hz.
- **INSULATION:** class F. ● **PROTECTION:** IP 44.

OPTIONS ON REQUEST

- ⇒ special mechanical seal
- ⇒ other voltages or frequency 60 Hz

CURVES AND PERFORMANCE DATA AT n= 2900 1/min

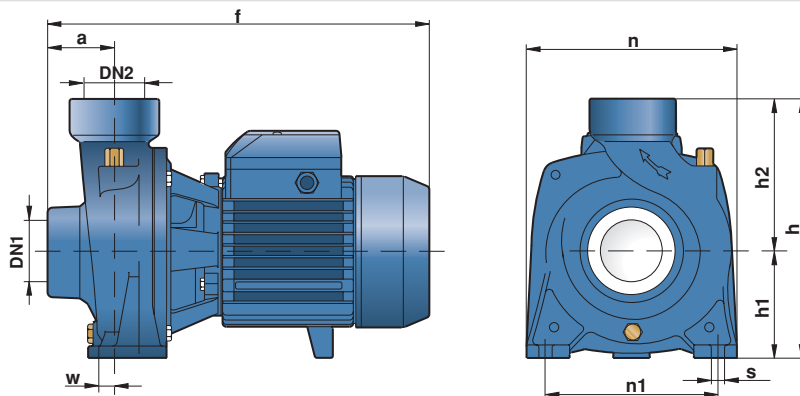


TYPE		POWER		Q	Flow rate													
Single-phase	Three-phase	kW	HP		m³/h	0	3	6	9	12	15	18	21	24	30	36		
HFm 50B	HF 50B	0.37	0.50	l/min	0	50	100	150	200	250	300	350	400	500	600			
HFm 50A	HF 50A	0.55	0.75	H metres	9	8.5	8.2	7.5	6.3	4.9	2.8							
HFm 51B	HF 51B	0.60	0.85		12	11.5	11.2	10.6	9.6	8	6							
HFm 51A	HF 51A	0.75	1		18.2	17.2	16	14	11.5	9	5.4							
HFm 60	HF 60	1.1	1.5		21.2	20.2	19	17	14.5	11.6	8.4							
HFm 70B	HF 70B	1.5	2		29	28	26.5	24.5	22	18.5	15							
—	HF 70A	2.2	3		33	32	30.5	28.5	26	22.5	19							
HFm 5C	HF 5C	0.60	0.85		39	38	36.5	34.5	32	28.5	25							
HFm 5B	HF 5B	0.75	1		12.5	—	12	11.7	11	10.2	9.2	8	6.5					
HFm 5A	HF 5A	1.1	1.5		13.7	—	13.2	13	12.5	11.6	10.5	9.2	8	5				
HFm 5BM	HF 5BM	1.1	1.5		14.5	—	13.8	13.5	13.2	12.6	11.8	10.5	9.2	6.5	3			
HFm 5AM	HF 5AM	1.5	2		20.2	—	19.2	19	18	17	16	14	12	7.5				
					22.5	—	22	21.5	21	20	18.5	16.6	14.5	10				

Q = Flow rate H = Total manometric head

Tolerance of the performance curves according to EN ISO 9906 App. A.

DIMENSIONS AND WEIGHTS



TYPE		PORTS		DIMENSIONS mm									kg		
Single-phase	Three-phase	DN1	DN2	a	f	h	h1	h2	n	n1	w	s	1~	3~	
HFm 50B	HF 50B	1 1/2"	1 1/2"	45	276	200	82	118	165	135	1	10	8.3	8.2	
HFm 50A	HF 50A				283/276								8.9	8.4	
HFm 51B	HF 51B				300								15.5	15.1	
HFm 51A	HF 51A			48.5	373	225	92	133	190	160	4	12	12	13.0	12.1
HFm 60	HF 60													20.0	19.3
HFm 70B	HF 70B													22.2	21.6
—	HF 70A												22.8		
HFm 5C	HF 5C	2"	2"	60	332	238	97	141	196	160	14	11	15.3	14.2	
HFm 5B	HF 5B												15.1	14.3	
HFm 5A	HF 5A												15.5	15.2	
HFm 5BM	HF 5BM												20.3	19.5	
HFm 5AM	HF 5AM												22.2	21.8	



RANGE OF PERFORMANCE

Flow rate up to 1800 l/min (108 m³/h)
Head up to 24.5 m

LIMITS OF USE

Manometric suction lift up to 7 m
Liquid temperature up to + 90°C
Environment temperature up to + 40°C

CONSTRUCTION AND SAFETY STANDARDS

EN 60034-1
IEC 34-1
CEI 2-3



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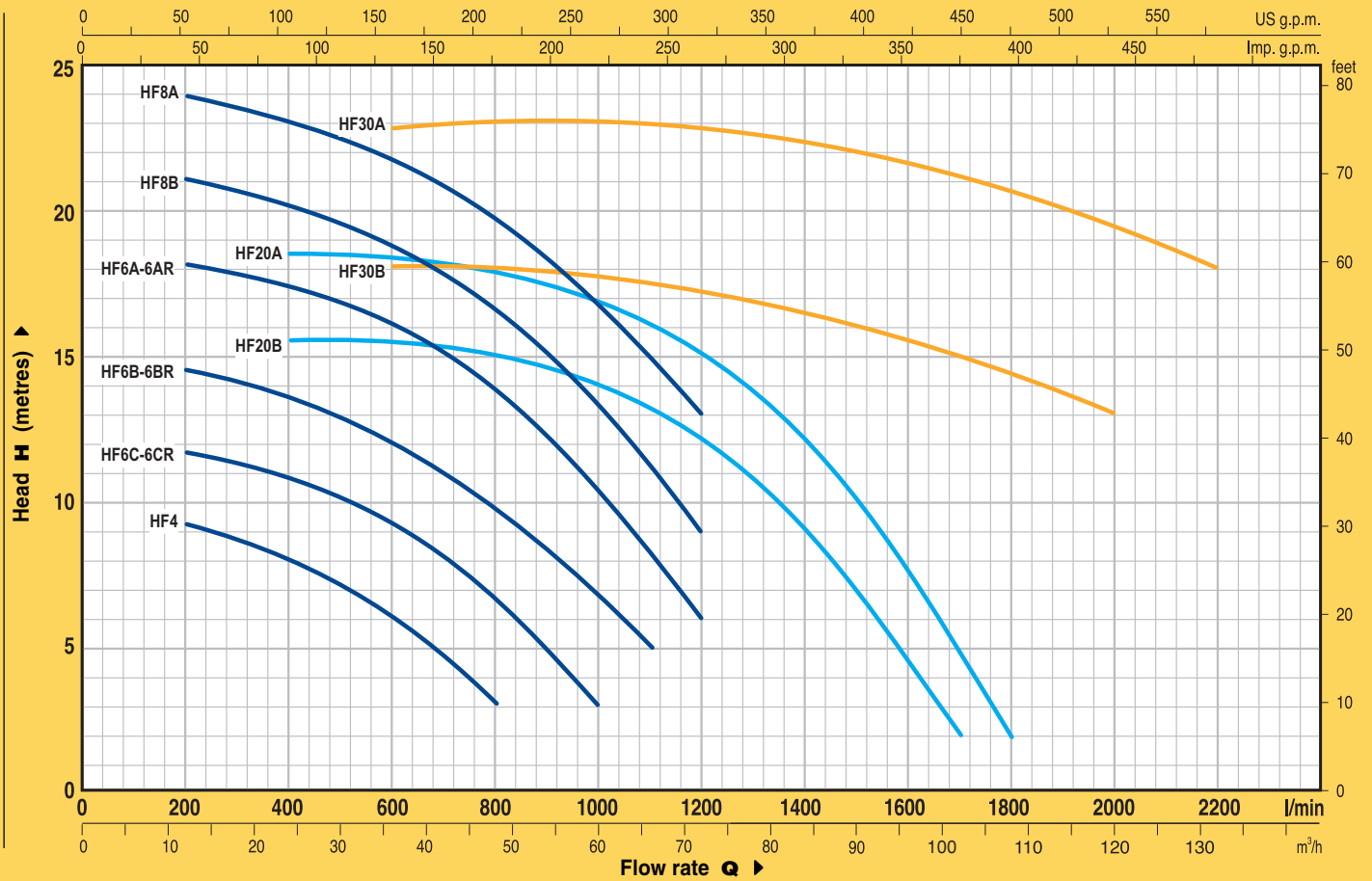
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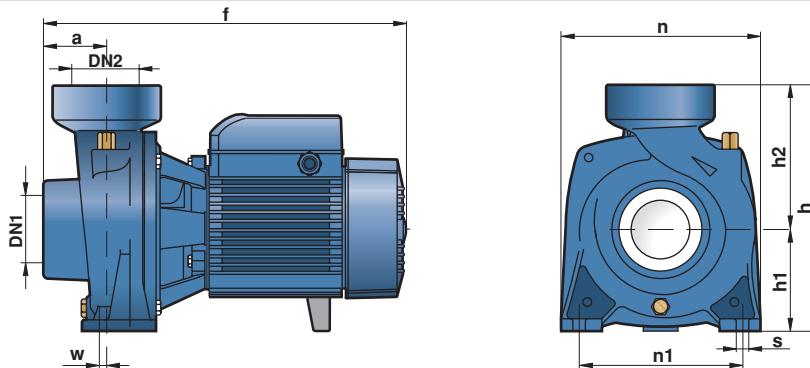


TYPE		POWER		Q	H metres																	
Single-phase	Three-phase	kW	HP		m³/h	0	12	18	24	30	36	42	48	54	60	66	72	84	96	102	108	120
HFm 4	HF 4	0.75	1	l/min	0	200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600	1700	1800	2000	2200
HFm 6C	HF 6C	1.1	1.5		10	9.3	8.7	8	7	6	4.7	3										
HFm 6B	HF 6B	1.5	2		11.9	11.7	11.3	10.7	10.2	9.2	8	6.7	5	3								
—	HF 6A	2.2	3		14.7	14.5	14	13.5	12.8	12	11	9.7	8.2	6.7	5							
HFm 6CR	HF 6CR	1.1	1.5		18.5	18.1	17.8	17.2	16.8	16	15	13.8	12.2	10.5	8.3	6						
HFm 6BR	HF 6BR	1.5	2		11.9	11.7	11.3	10.7	10.2	9.2	8	6.7	5	3								
—	HF 6AR	2.2	3		14.7	14.5	14	13.5	12.8	12	11	9.7	8.2	6.7	5							
HFm 8B	HF 8B	3	4		18.5	18.1	17.8	17.2	16.8	16	15	13.8	12.2	10.5	8.3	6						
—	HF 8A	4	5.5		21.5	21	20.7	20	19.5	18.8	17.8	16.5	15	13.5	11.2	9						
HFm 20B	HF 20B	3	4		24.5	24	23.5	23	22.5	21.8	20.8	19.5	18.3	16.8	15	13						
—	HF 20A	4	5.5		16	-	-	15.5	15.4	15.3	15.2	15	14.5	14	13	12	9	4.8	2			
—	HF 30B	5.5	7.5		19	-	-	18.5	18.4	18.3	18.2	18	17.5	17	16.2	15.2	12	7.8	5	2		
—	HF 30A	7.5	10		18	-	-	-	-	18	18	18	18	18	17.5	17	16.5	15.5	15	14.5	13	
					23	-	-	-	-	23	23	23	23	23	22.5	22.5	22.5	22	21.5	21	19.5	18

Q = Flow rate H = Total manometric head

Tolerance of the performance curves according to EN ISO 9906 App. A.

DIMENSIONS AND WEIGHTS



TYPE		PORTS		DIMENSIONS mm									kg	
Single-phase	Three-phase	DN1	DN2	a	f	h	h1	h2	n	n1	w	s	1~	3~
HFm 4	HF 4	2 1/2"	2 1/2"	55	323	240					0	10	15.6	14.2
HFm 6C	HF 6C	3"	3"	68	411	312	120	192	240	190	6	12	28.1	26.2
HFm 6B	HF 6B												29.1	28.5
—	HF 6A												-	29.4
HFm 6CR	HF 6CR	4"	4"	70	413	370	132	180	245	190	30	14	29.7	29.2
HFm 6BR	HF 6BR												32.0	31.4
—	HF 6AR												-	32.3
HFm 8B	HF 8B	4"	4"	80	462/429	370	160	210	292	212	30	14	41.0	36.1
—	HF 8A				462								41.0	41.0
HFm 20B	HF 20B				462/429								40.5	35.3
—	HF 20A	462	-	40.5									-	60.9
—	HF 30B	-	-	-	-	-	-	-	-	-	-	-	-	65.2
—	HF 30A	-	-	-	-	-	-	-	-	-	-	-	-	65.2