



centrifugal electropumps high flow rates



RANGE OF PERFORMANCE

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

LIMITS OF USE

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

EXECUTION AND SAFETY STANDARDS

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



USES AND INSTALLATIONS

THE HF SERIES IS RECOMMENDED FOR USE IN THE CIVIL, AGRICULTURAL AND INDUSTRIAL FIELD. THE HIGH YIELDS REACHED AND THE POSSIBILITY OF CONTINUOUS DUTY MAKE ITS USE ADVANTAGEOUS FOR IRRIGATION WITH FLOWING AND SPRINKLING WATER, FOR DRAWING WATER FROM LAKES, RIVERS, WELLS, OR FOR VARIOUS INDUSTRIAL USES CHARACTERISED BY THE NEED TO ACHIEVE CONSIDERABLE FLOW RATES IN RELATION TO MEDIUM-LOW HEADS.

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

GUARANTEE 2 YEARS according to our general terms of sale.

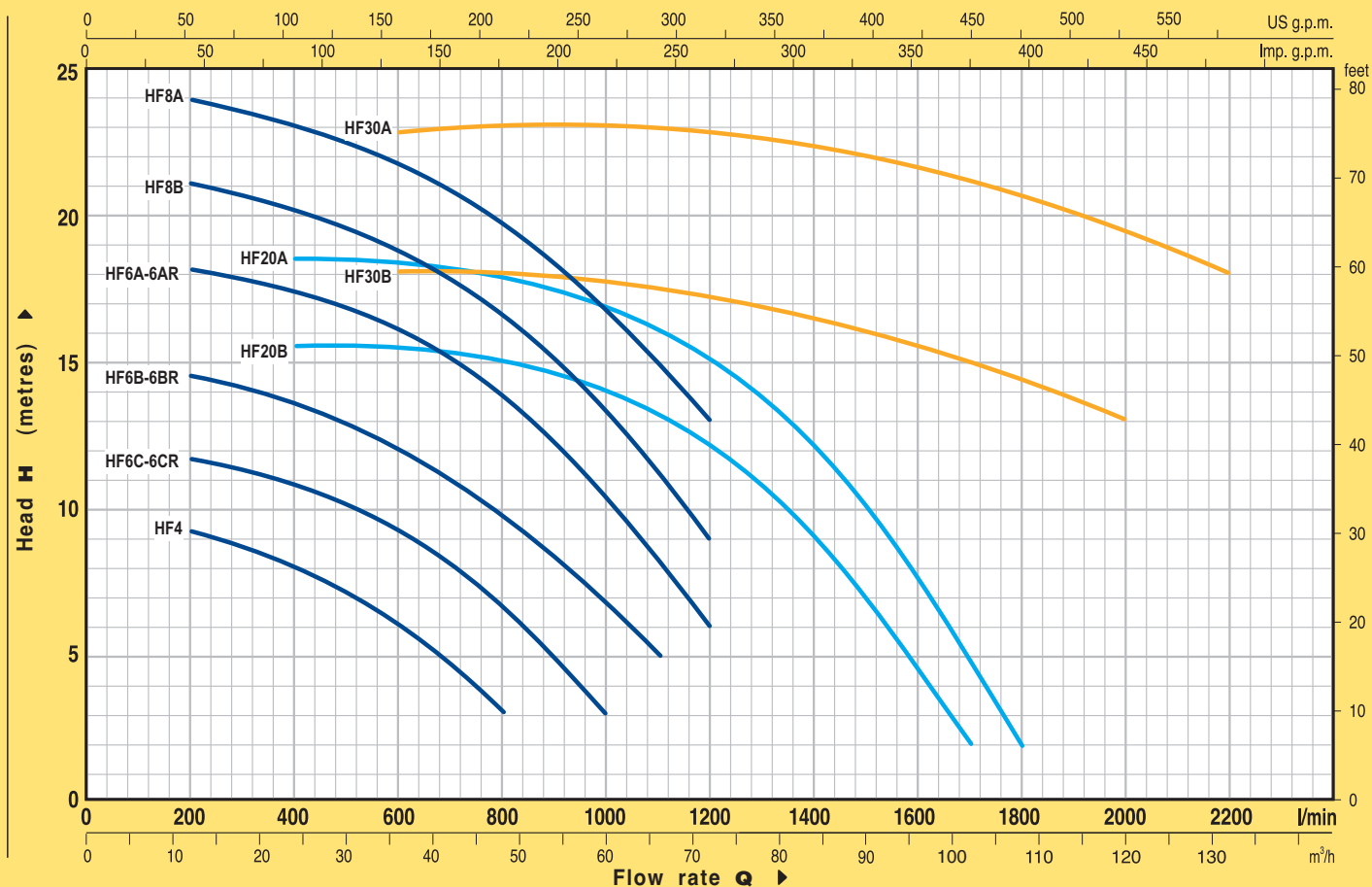
CONSTRUCTION CHARACTERISTICS

- **PUMP BODY:** cast iron, with threaded inlets 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 coupled to a PEDROLLO electric motor with specially calculated dimensions, silent-running, closed, with external ventilation, suitable for continuous duty.
 - HFm: single-phase 230 V - 50 Hz with condenser and thermal overload protector built into the winding.
 - HF: three-phase 230/400 V - 50 Hz.
- **INSULATION:** class F. ● **PROTECTION:** IP 44.

EXECUTIONS ON REQUEST

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

CURVES AND PERFORMANCE DATA AT n= 2900 1/min

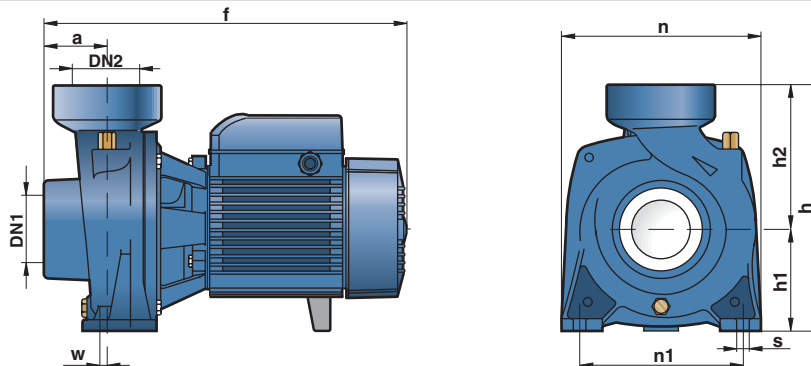


TYPE		POWER		Q	H metres																	
Single-phase	Three-phase	MW	HP		m³/h	0	12	18	24	30	36	42	48	54	60	66	72	84	96	102	108	120
				l/min	0	200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600	1700	1800	2000	2200
HFm 4	HF 4	0.75	1		10	9.3	8.7	8	7	6	4.7	3										
HFm 6C	HF 6C	1.1	1.5		11.9	11.7	11.3	10.7	10.2	9.2	8	6.7	5	3								
HFm 6B	HF 6B	1.5	2		14.7	14.5	14	13.5	12.8	12	11	9.7	8.2	6.7	5							
—	HF 6A	2.2	3		18.5	18.1	17.8	17.2	16.8	16	15	13.8	12.2	10.5	8.3	6						
HFm 6CR	HF 6CR	1.1	1.5		11.9	11.7	11.3	10.7	10.2	9.2	8	6.7	5	3								
HFm 6BR	HF 6BR	1.5	2		14.7	14.5	14	13.5	12.8	12	11	9.7	8.2	6.7	5							
—	HF 6AR	2.2	3		18.5	18.1	17.8	17.2	16.8	16	15	13.8	12.2	10.5	8.3	6						
—	HF 8B	3	4		21.5	21	20.7	20	19.5	18.8	17.8	16.5	15	13.5	11.2	9						
—	HF 8A	4	5.5		24.5	24	23.5	23	22.5	21.8	20.8	19.5	18.3	16.8	15	13						
—	HF 20B	3	4		16	-	-	15.5	15.4	15.3	15.2	15	14.5	14	13	12	9	4.8	2			
—	HF 20A	4	5.5		19	-	-	18.5	18.4	18.3	18.2	18	17.5	17	16.2	15.2	12	7.8	5	2		
—	HF 30B	5.5	7.5		18	-	-	-	-	18	18	18	18	18	17.5	17	16.5	15.5	15	14.5	13	
—	HF 30A	7.5	10		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		INLETS		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	97	143	190	155	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	312	132	180	245	190	30	14	29.7	29.2
HFm 6BR	HF 6BR												32.0	31.4
—	HF 6AR												-	32.3
—	HF 8B												-	36.1
—	HF 8A												-	41.0
—	HF 20B	42.9	35.3											
—	HF 20A	42.9	40.5											
—	HF 30B	46.2	60.9											
—	HF 30A	82	585	370	160	210	292	212					-	65.2