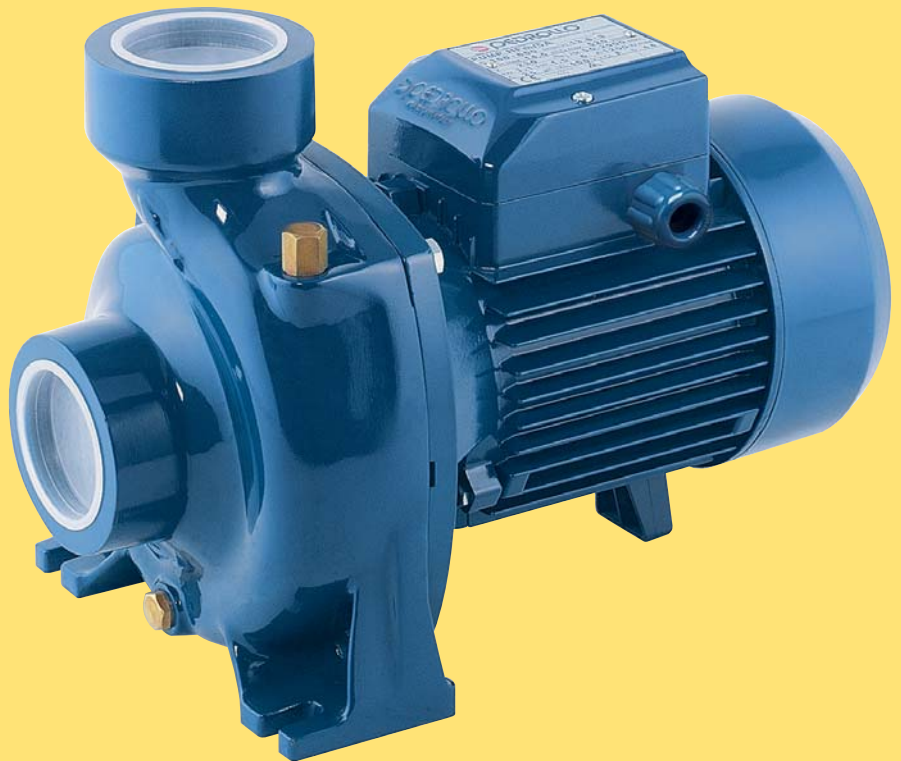




centrifugal electropumps medium flow rates



RANGE OF PERFORMANCE

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

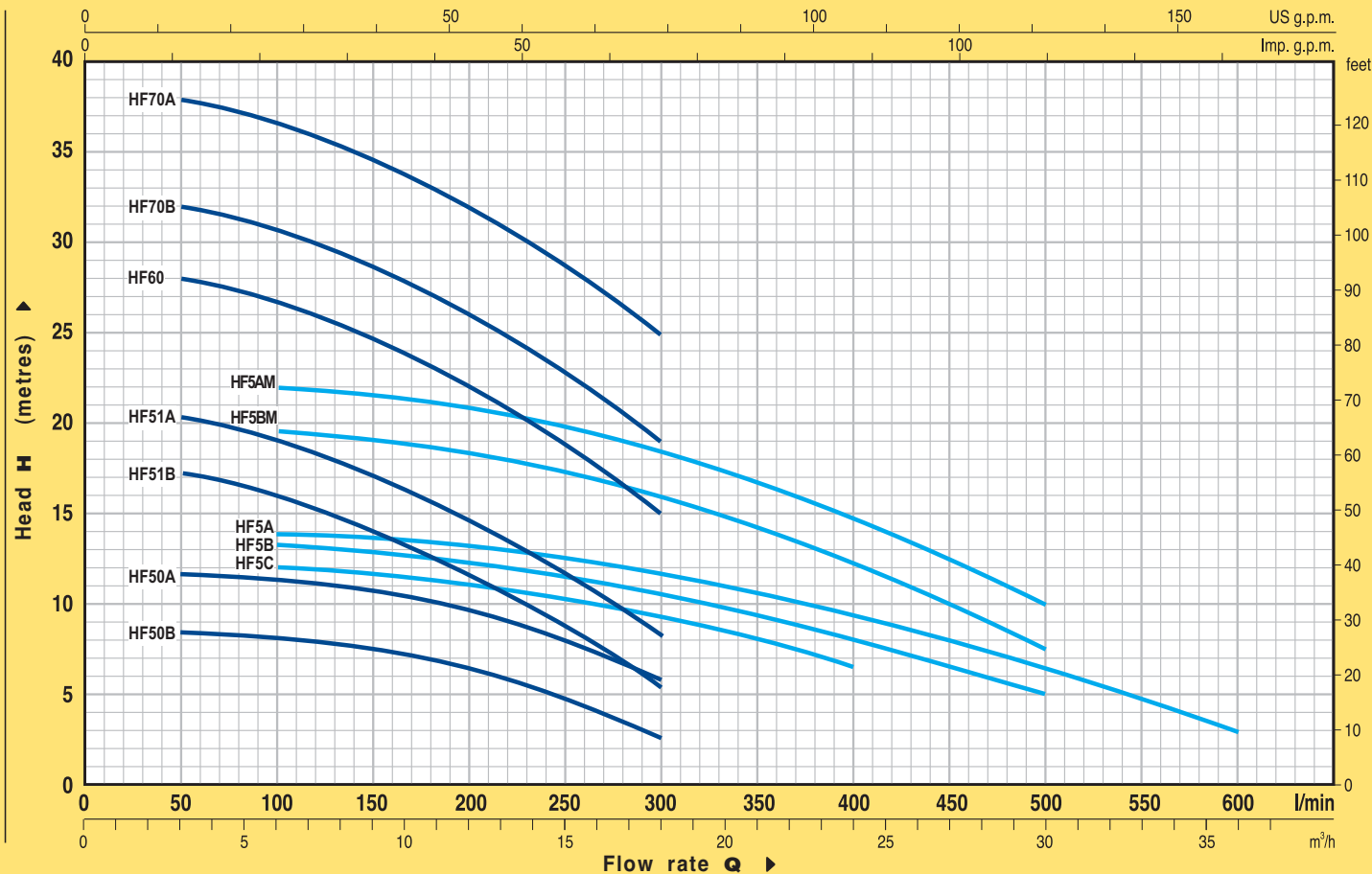
CONSTRUCTION CHARACTERISTICS

- **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

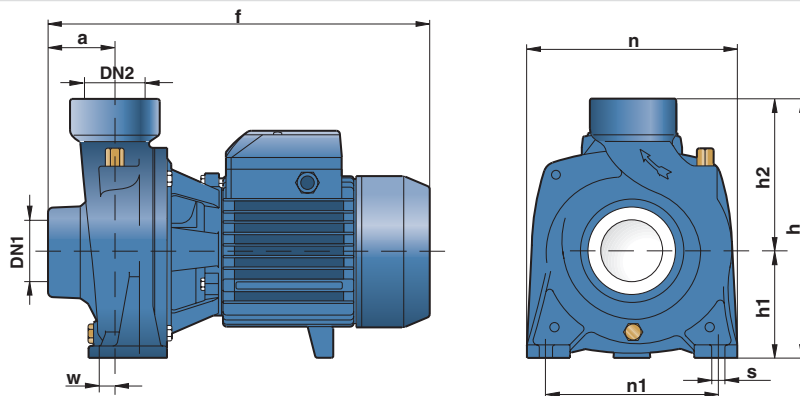


TYPE		POWER		Q	H metres															
Single-phase	Three-phase	MW	HP		m³/h	0	3	6	9	12	15	18	21	24	30	36				
HFm 50B	HF 50B	0.37	0.50	l/min	0	50	100	150	200	250	300	350	400	500	600					
HFm 50A	HF 50A	0.55	0.75	9	8.5	8.2	7.5	6.3	4.9	2.8										
HFm 51B	HF 51B	0.60	0.85	12	11.5	11.2	10.6	9.6	8	6										
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										
	HF 50A	0.60	0.85	39	38	36.5	34.5	32	28.5	25										
HFm 5C	HF 5C	0.60	0.85	12.5	—	12	11.7	11	10.2	9.2	8	6.5								
HFm 5B	HF 5B	0.75	1	13.7	—	13.2	13	12.5	11.6	10.5	9.2	8	5							
HFm 5A	HF 5A	1.1	1.5	14.5	—	13.8	13.5	13.2	12.6	11.8	10.5	9.2	6.5	3						
HFm 5BM	HF 5BM	1.1	1.5	20.2	—	19.2	19	18	17	16	14	12	7.5							
HFm 5AM	HF 5AM	1.5	2	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		INLETS		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			51	386	260	110	150	206	206	1	1	1	20.3	19.5
HFm 5AM	HF 5AM													22.2	21.8