



GENERAL CATALOGUE

 **PEDROLLO**[®]
... the spring of life



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PERFORMANCE RANGE

- Flow rate up to **1200 l/min** (72 m³/h)
- Head up to **22.5 m**

APPLICATION LIMITS

- Manometric suction lift up to **7 m**
- Liquid temperature between **-10 °C** and **+90 °C**
- Ambient temperature up to **+40 °C**
- Max. working pressure: **10 bar**
- Continuous service **S1**

CONSTRUCTION AND SAFETY STANDARDS

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



CERTIFICATIONS



AN30



YkpTECT-003

INSTALLATION AND USE

The performance and mechanical dimensions of the NF series pumps have been specifically designed for use in the civil and agricultural sectors. As a result of their high efficiency and continuous duty capabilities, they are recommended for use in applications such as flood and spray irrigation, drawing water from lakes, rivers and wells, and for generally transferring liquids. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

OPTIONALS AVAILABLE ON REQUEST

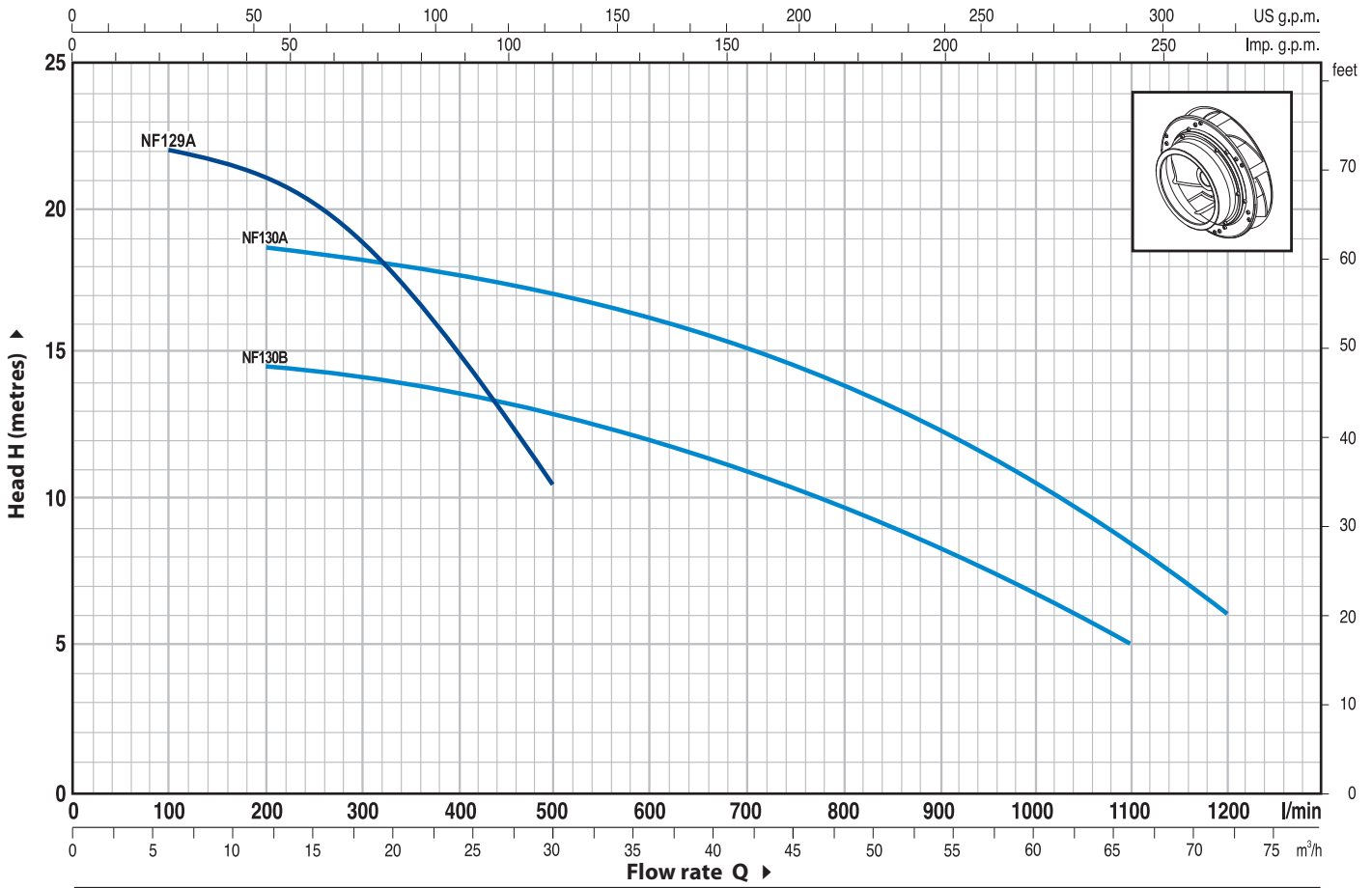
- Special mechanical seal
- Other voltages or 60 Hz frequency

GUARANTEE

2 years subject to terms and conditions

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min HS= 0 m

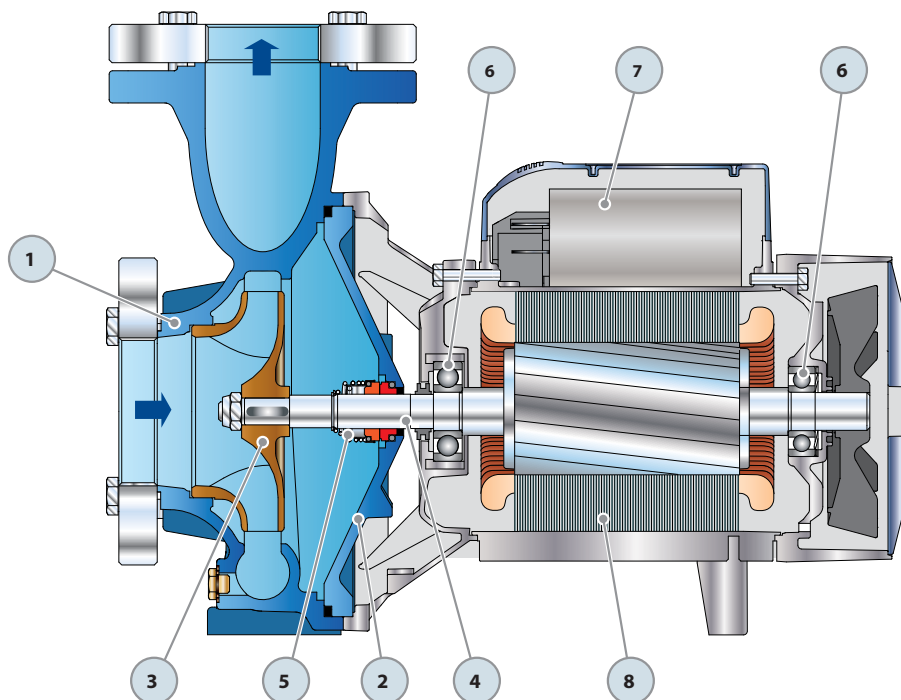


MODEL		POWER		Q	Flow rate (l/min)																
Single-phase	Three-phase	kW	HP		0	6	9	12	15	18	21	24	30	36	42	48	54	60	66	72	
NFm 129A	NF 129A	1.5	2	H metres	22.5	22	21.5	21	20	18.5	16.6	14.5	10								
NFm 130B	NF 130B	1.5	2		14.7	-	-	14.5	14.2	14	13.7	13.5	13.2	12	11	9.7	8.2	6.7	5		
-	NF 130A	2.2	3		18.5	-	-	18.1	18	17.8	17.5	17.2	16.8	16	15	13.8	12.2	10.5	8.3	6	

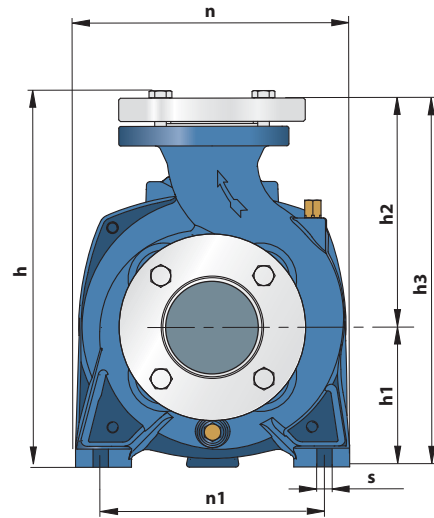
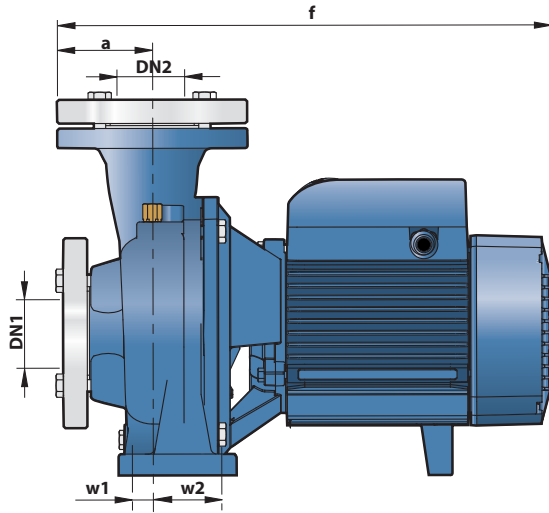
Q = Flow rate H = Total manometric head HS = Suction height

Tolerance of characteristic curves in compliance with EN ISO 9906 App. A.

POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS				
1	PUMP BODY	Cast iron, complete with flanged suction and delivery ports in compliance with ISO 228/1				
2	BODY BACKPLATE	Cast iron				
3	IMPELLER	Brass				
4	MOTOR SHAFT	Stainless steel EN 10088-3 - 1.4104				
5	MECHANICAL SEAL	<i>Seal</i>	<i>Shaft</i>	<i>Materials</i>		
		<i>Model</i>	<i>Diameter</i>	<i>Stationary ring</i>	<i>Rotational ring</i>	<i>Elastomer</i>
		FN-18	Ø 18 mm	Graphite	Ceramic	NBR
6	BEARINGS	<i>Pump</i>	<i>Model</i>			
		NF 129	6204 ZZ / 6204 ZZ			
		NF 130	6304 ZZ / 6204 ZZ			
7	CAPACITOR	<i>Capacitance</i>				
		<i>(230 V or 240 V)</i>	<i>(110 V)</i>			
		45 µF 450 VL	80 µF 250 VL			
8	ELECTRIC MOTOR	<p>NFm: single-phase 230 V - 50 Hz with thermal overload protector built-in to the winding.</p> <p>NF: three-phase 230/400 V - 50 Hz.</p> <p>➔ Pumps fitted with the three-phase motor option offer IE2 (IEC 60034-30) class high performance</p> <ul style="list-style-type: none"> - Insulation: F class. - Protection: IP 44. 				



DIMENSIONS AND WEIGHT



MODEL		PORTS		DIMENSIONS mm											kg*	
Single-phase	Three-phase	DN1	DN2	a	f	h	h1	h2	h3	n	n1	w1	w2	s	1~	3~
NFm 129A	NF 129A	2"	2"	56	398	276	110	159	269	206	160	1	62	11	25.0	23.7
NFm 130B	NF 130B	3"	3"	71	420	320	120	193	313	240	190	6	66	12	31.6	30.7
-	NF 130A														-	32.6

(*weight includes counterflanges)

ABSORPTION

MODEL	VOLTAGE (single-phase)		
	230 V	240 V	110 V
Single-phase	230 V	240 V	110 V
NFm 129A	9.8 A	9.0 A	19.6 A
NFm 130B	10.8 A	9.8 A	21.6 A

MODEL	VOLTAGE (three-phase)					
	230 V	400 V	690 V	240 V	415 V	720 V
Three-phase	230 V	400 V	690 V	240 V	415 V	720 V
NF 129A	7.1 A	4.1 A	2.4 A	6.5 A	3.7 A	2.1 A
NF 130B	8.0 A	4.6 A	2.7 A	7.4 A	4.3 A	2.5 A
NF 130A	9.0 A	5.2 A	3.0 A	8.3 A	4.8 A	2.8 A

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PALLETIZATION

MODEL		GROUPAGE				CONTAINER			
Single-phase	Three-phase	n° pumps	H (mm)	kg		n° pumps	H (mm)	kg	
				1~	3~			1~	3~
NFm 129A	NF 129A	36	1430	910	870	54	2080	1360	1300
NFm 130B	NF 130B	36	1430	1160	1130	54	2080	1730	1680
-	NF 130A	36	1430	-	1170	54	2080	-	1750

