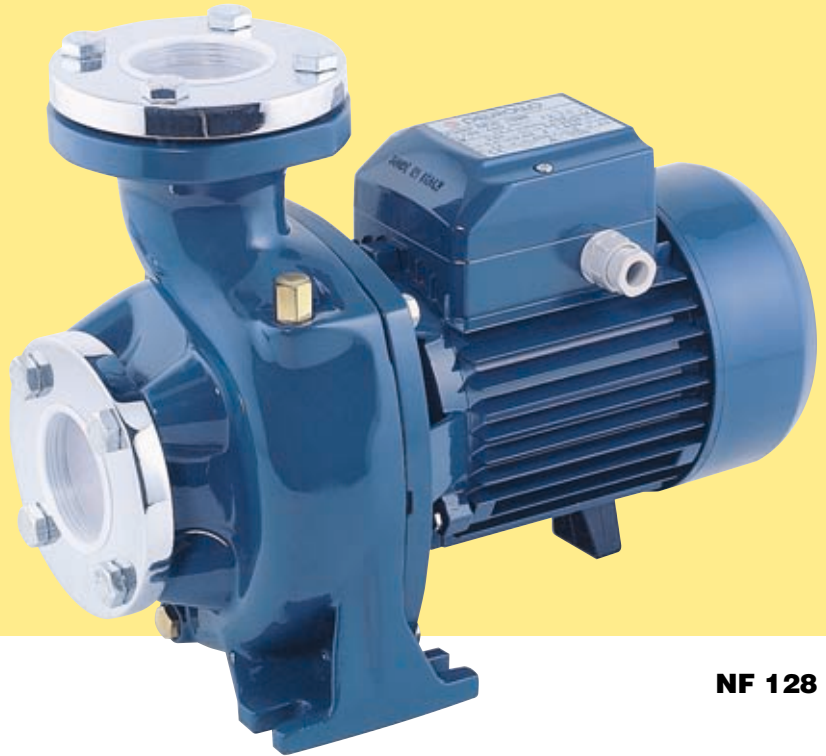


# NF

**centrifugal pumps**  
(with flanged connections)



**NF 128**



## PERFORMANCE RANGE

Flow rate up to 1200 l/min (72 m<sup>3</sup>/h)  
Dynamic head up to 22.5 m

## OPERATING LIMITS

Suction lift up to 7 m  
Fluid temperature up to + 60°C  
Maximum ambient temperature + 40°C

## CONSTRUCTION AND SAFETY STANDARDS:

EN 60 335-1	EN 60034-1
IEC 335-1	IEC 34-1
CEI 61-150	CEI 2-3

## PUMP INSTALLATION AND APPLICATIONS

**NF** pumps are specifically designed for **domestic, agricultural and industrial** use.

Their performance levels, mechanical design and structural materials are specifically selected for these uses.

The shape of their volutes and impellers, with ample passages, make them suitable for pumping even fairly dirty water.

THEY CAN ACHIEVE HIGH DELIVERY RATES UNDER CONTINUOUS OR HEAVY DUTY, MAKING THEM ADVANTAGEOUS FOR RAIN AND GRAVITY IRRIGATION, FOR PUMPING WATER FROM LAKES, RIVERS, WELLS AND FOR A WIDE VARIETY OF INDUSTRIAL USES WHERE HIGH DELIVERY RATES MUST BE ACHIEVED AT LOW TO AVERAGE HEADS.

The pumps should be installed in a covered area, protected against weather.

## WARRANTY: 2 YEARS

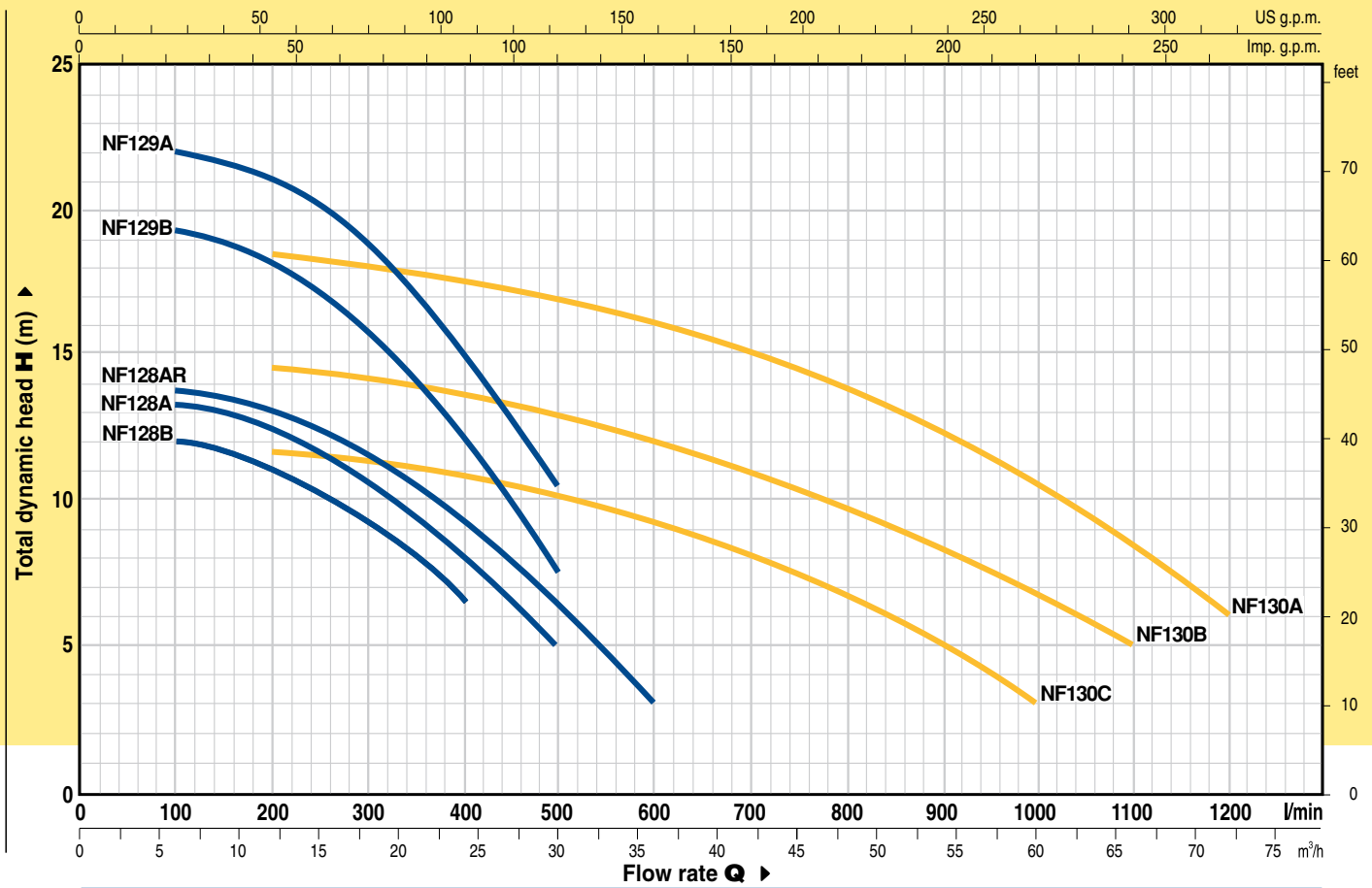
(according to our general sales conditions).

## STRUCTURAL CHARACTERISTICS

- **PUMP BODY:**  
cast iron, with UNI ISO 228/1 gas threaded suction and delivery **FLANGES**.
- **IMPELLER:**  
**brass**, centrifugal radial flow type.
- **MOTOR SHAFT:**  
**AISI 430F stainless steel**.
- **MECHANICAL SEAL:**  
**ceramic and graphite**.
- **MOTOR:**  
the pumps are coupled to an asynchronous, high efficiency PEDROLLO induction motor of suitable size, which is quiet, closed and externally ventilated, suitable for continuous duty. **INSULATION class F** (B up to 0.75 kW and 1.1 kW three phase).  
**The thermal cutout relay (motor protector) is incorporated in single phase motors.**  
The remaining single phase motors and all three phase motors require an adequate external motor protector, and connections must according to current standards.
- **PROTECTION:** IP 44.



### PERFORMANCE CHART AT n= 2900 1/min

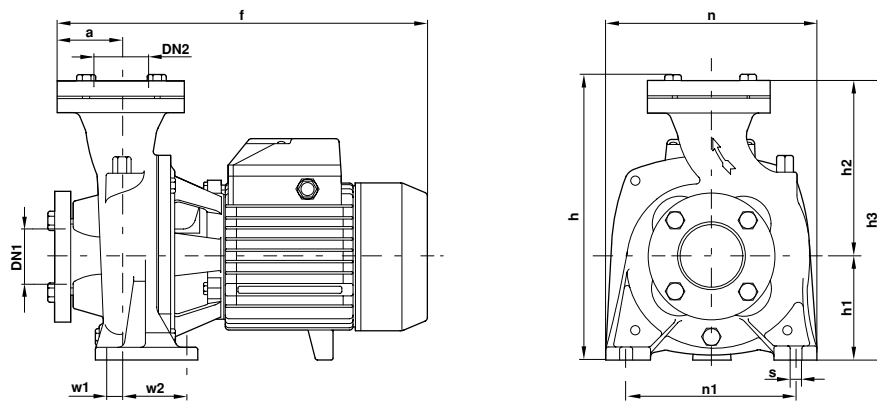


### PERFORMANCE DATA AT n= 2900 1/min

PUMP MODEL		POWER		Q m³/h	Flow rate Q																
Single phase	Three phase	kW	HP		0	6	9	12	15	18	21	24	30	36	42	48	54	60	66	72	
NFm 128B	NF 128B	0.60	0.85	H (m)	12.5	12	11.7	11	10.2	9.2	8	6.5									
NFm 128A	NF 128A	0.75	1		13.7	13.2	13	12.5	11.6	10.5	9.2	8	5								
NFm 128AR	NF 128AR	1.1	1.5		14.5	13.8	13.5	13.2	12.6	11.5	10.5	9.2	6.5	3							
NFm 129B	NF 129B	1.1	1.5		20.2	19.2	19	18	17	16	14	12	7.5								
NFm 129A	NF 129A	1.5	2		22.5	22	21.5	21	20	18.5	16.6	14.5	10								
NFm 130C	NF 130C	1.1	1.5		11.9	—	—	11.7	11.5	11.3	11.1	10.7	10.2	9.1	8	6.7	5	3			
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 DYNAMIC HEAD IN METERS

Curve tolerance according to ISO 2548.



### DIMENSIONS

PUMP MODEL		DN1	DN2	DIMENSIONS mm										
Single phase	Three phase			a	f	h	h1	h2	h3	n	n1	w1	w2	s
NFm 128B	NF 128B	2"	2"	65	344	271	97	167	264	196	160	8	60	12
NFm 128A	NF 128A	2"	2"	65	344	271	97	167	264	196	160	8	60	12
NFm 128AR	NF 128AR	2"	2"	65	344	271	97	167	264	196	160	8	60	12
NFm 129B	NF 129B	2"	2"	56	372	276	110	159	269	206	160	1	62	11
NFm 129A	—	2"	2"	56	392	276	110	159	269	206	160	1	62	11
—	NF 129A	2"	2"	56	372	276	110	159	269	206	160	1	62	11
NFm 130C	NF 130C	3"	3"	71	390	320	120	193	313	240	190	6	66	12
NFm 130B	—	3"	3"	71	410	320	120	193	313	240	190	6	66	12
—	NF 130B	3"	3"	71	390	320	120	193	313	240	190	6	66	12
—	NF 130A	3"	3"	71	410	320	120	193	313	240	190	6	66	12