EN

NEW

PLURIJET®

40TH

PEDROLLO®
... the spring of life

NEW

New version more compact and more robust.
It is recommended when a particularly quiet and high-performance self-priming pump is required.

TECHNICAL CHARACTERISTICS

- Completely renewed range
- New design
- New improved hydraulic, even more reliable and with higher performance
- Reduced energy consumption
- The quietest model in the centrifugal series
- Better priming performances

INSTALLATION AND USE

Suitable for use with clean water even where air is present and with liquids that are not chemically aggressive towards the materials from which the pump is made.
The self-priming "**PLURIJET**" pumps are designed to pump water even in cases where air is present. As a result of their quietness, reliability and low energy consumption they are recommended for use in domestic and civil applications such as the pressurisation and distribution of water in combination with pressure sets, and in rain water recovery and irrigation systems, etc.

APPLICATION LIMITS

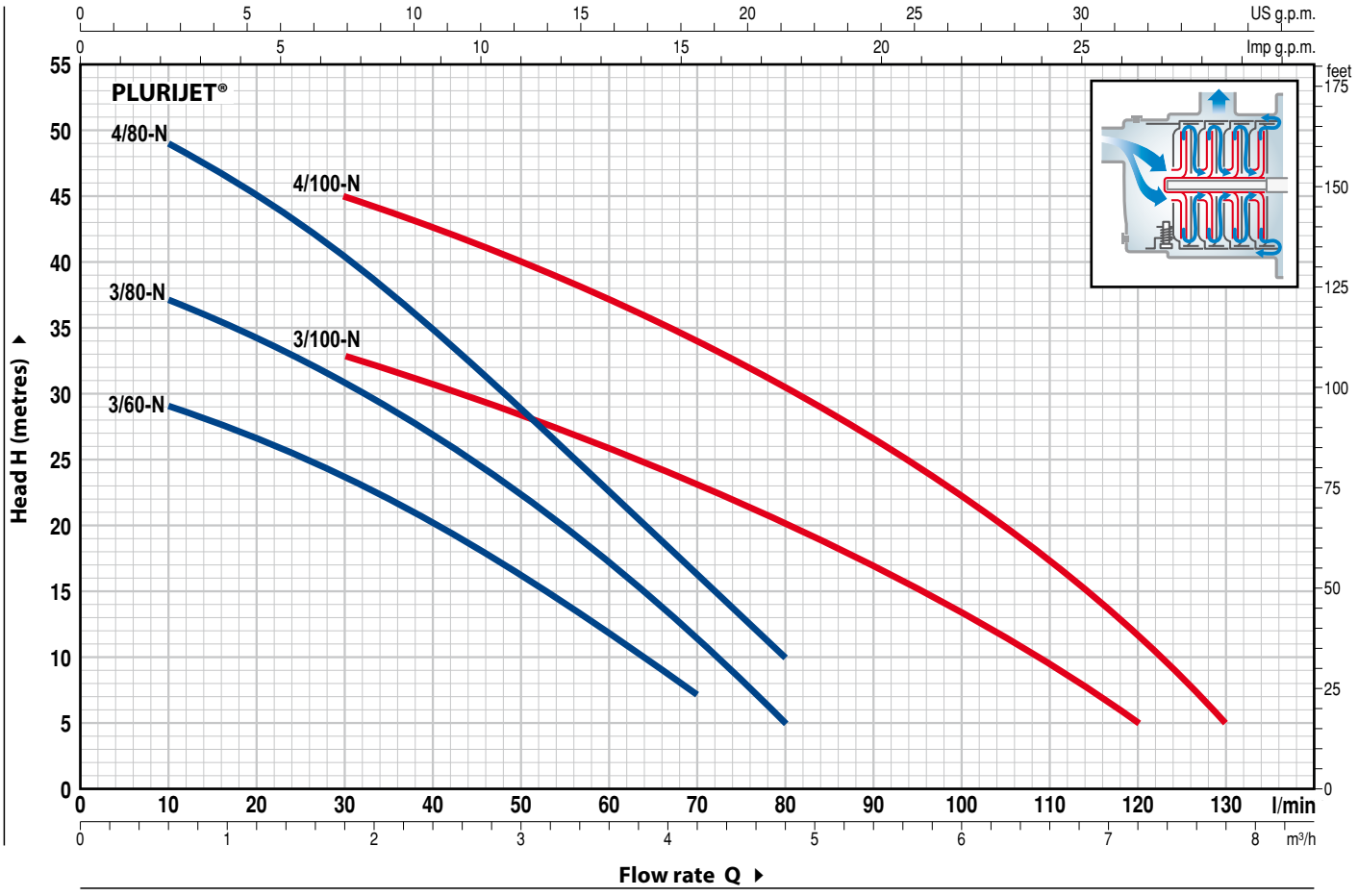
- Manometric suction lift up to **9 m** (HS)
- Liquid temperature between **-10 °C** and **+40 °C**
- Ambient temperature up to **+40 °C**
- Max. working pressure **6 bar**
- Continuous service **S1**

TRADE MARKS

- PLURIJET® is a registered trade mark n° 3974301

CHARACTERISTIC CURVES AND PERFORMANCE DATA

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

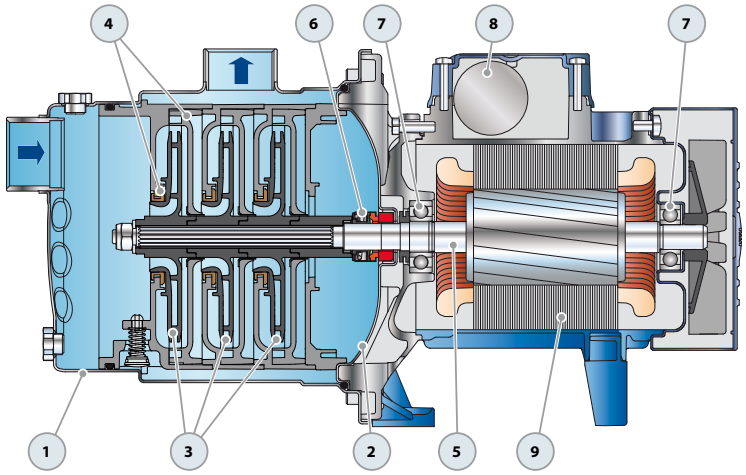


MODEL		POWER		Q																
Single-phase	Three-phase	kW	HP	m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2	7.8
				l/min	**0**	**5**	**10**	**15**	**20**	**25**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**100**	**110**	**120**	**130**
PLURIJETm 3/60 -N	**PLURIJET 3/60 -N**	0.37	0.50		31	30	29	28	26.5	25	23.5	20	16	11.5	7						
PLURIJETm 3/80 -N	**PLURIJET 3/80 -N**	0.45	0.60		40	38	37	36	34.5	33	31	27	22.5	17	11	5					
PLURIJETm 4/80 -N	**PLURIJET 4/80 -N**	0.55	0.75	**H** metres	52	50	49	47	44.5	42	40	34	28.5	22.5	16	10					
PLURIJETm 3/100-N	**PLURIJET 3/100-N**	0.55	0.75		38	37	36	35	34.5	33.5	33	31	28	26	23	20	17	13.5	10	5	
PLURIJETm 4/100-N	**PLURIJET 4/100-N**	0.75	1		50	50	49	48	47	46	45	42	39.5	37	34	30.5	26.5	22	17	11	5

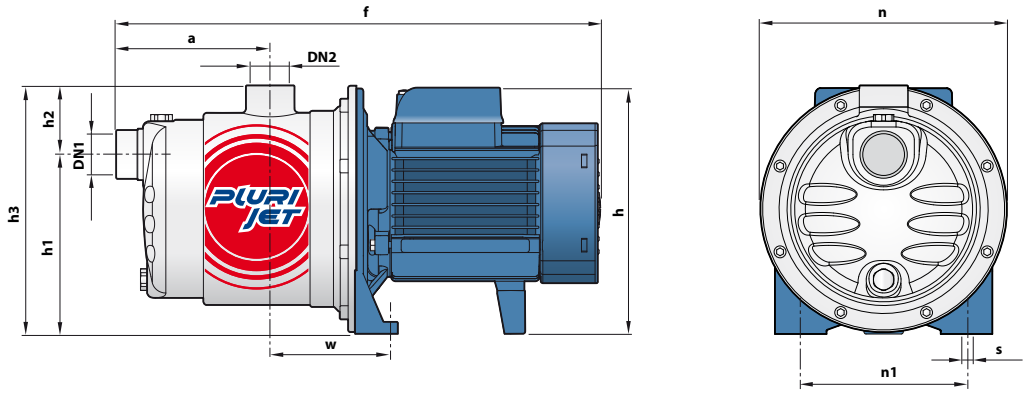
Q = Flow rate **H** = Total manometric head **HS** = Suction height

Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3.

POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS				
1	**PUMP BODY**	Stainless steel AISI 304, complete with threaded ports in compliance with ISO 228/1				
2	**BODY BACKPLATE**	Stainless steel AISI 304				
3	**IMPELLERS**	Noryl FE1520PW				
4	**DIFFUSERS**	Noryl FE1520PW complete with anti-wear ring				
5	**MOTOR SHAFT**	Stainless steel EN 10088-3 - 1.4104				
6	**MECHANICAL SEAL**	***Seal*** ***Model***	***Shaft*** ***Diameter***	*Materials* *Stationary ring*	*Rotational ring*	*Elastomer*
		AR-13	**Ø 13** mm	Ceramic	Graphite	NBR
7	**BEARINGS**	***Pump***		***Model***		
		PLURIJET 3/60, 3/80, 3/100, 4/80-N		**6202 ZZ - C3 / 6201 ZZ**		
		PLURIJET 4/100-N		**6203 ZZ / 6203 ZZ**		
8	**CAPACITOR**	***Pump*** ***Single-phase***		***Capacitance*** ***(230 V or 240 V)***	***(110 V)***	
		PLURIJETm 3/60-N		**10** µF 450 VL	**25** µF 250 VL	
		PLURIJETm 3/80-N		**12.5** µF 450 VL	**25** µF 250 VL	
		PLURIJETm 4/80, 3/100-N		**14** µF 450 VL	**25** µF 250 VL	
		PLURIJETm 4/100-N		**20** µF 450 VL	**60** µF 300 VL	
9	**ELECTRIC MOTOR**	**PLURIJETm**: single-phase 230 V - 50 Hz with thermal overload protector built-in to the winding.				
		PLURIJET: three-phase 230/400 V - 50 Hz.				
		➠ **Pumps fitted with the three-phase motor option offer IE2 (IEC 60034-30) class high performance.**				
		➠ **Stator and rotor are made out of magnetic sheet with low iron loss.**				
		– Insulation: F class.				
		– Protection: IP X4.				



DIMENSIONS



MODEL		PORTS		DIMENSIONS mm									
Single-phase	Three-phase	DN1	DN2	a	f	h	h1	h2	h3	n	n1	w	s
PLURIJETm 3/60 -N	PLURIJET 3/60 -N	**1"**	**1"**	113	357	182	132	51	183	182	120	87	9
PLURIJETm 3/80 -N	PLURIJET 3/80 -N												
PLURIJETm 4/80 -N	PLURIJET 4/80 -N			138	382								
PLURIJETm 3/100-N	PLURIJET 3/100-N			113	357								
PLURIJETm 4/100-N	PLURIJET 4/100-N			138	411	202							10

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