

PLURIJET 90-120

Self-priming multi-stage electric pumps



MADE IN ITALY

 **PEDROLLO**[®]
the spring of life

PLURIJET 90-120

Self-priming multi-stage electric pumps

-  Clean water
-  Domestic use
-  Civic use



※ VERSATILE

PLURIJET pumps are the ideal solution to every need. Thanks to their excellent suction capacity they are able to guarantee priming up to 9 metres depth.

※ QUIET OPERATION

These self-priming pumps are characterized by multi-stage hydraulics which ensures the maximum pressure with the minimum power consumption. Besides their design reduces turbulence, thus the noise level becomes extremely low.

※ EFFICIENT

Compared to the classic JET self-priming pumps, the **PLURIJET** pumps reduce the electricity consumption and provide all the water necessary at the same. Thanks to their unique design, the top class performance and low costs of investment and maintenance are guaranteed.

※ COMPACT

The **PLURIJET** pumps have small dimensions, and this makes them perfect for an easy installation even in small spaces.

PERFORMANCE RANGE

- Flow rate up to **130 l/min** (7.8 m³/h)
- Head up to **52 m**

APPLICATION LIMITS

- Manometric suction lift up to **9 m**
- Liquid temperature between **-10°C** and **+60°C**
- Ambient temperature up to **+40°C**
- Max. working pressure **6 bar**
- Continuous service **S1**

INSTALLATION AND USE

Suitable for pumping clean water and liquids which are not chemically aggressive towards the materials from which the pump is made. Because of their reliability and extremely silent operation, these

pumps are recommended for domestic applications, in particular for pressuring and distributing water in combination with small or medium pressure tanks, for gardening and irrigating systems, etc. Installation needs to be undertaken in well ventilated closed areas or anyway protected from bad weather.

OPTIONS AVAILABLE ON REQUEST

- Special mechanical seal
- Other voltages or 60 Hz frequency
- WRAS certified electric pumps

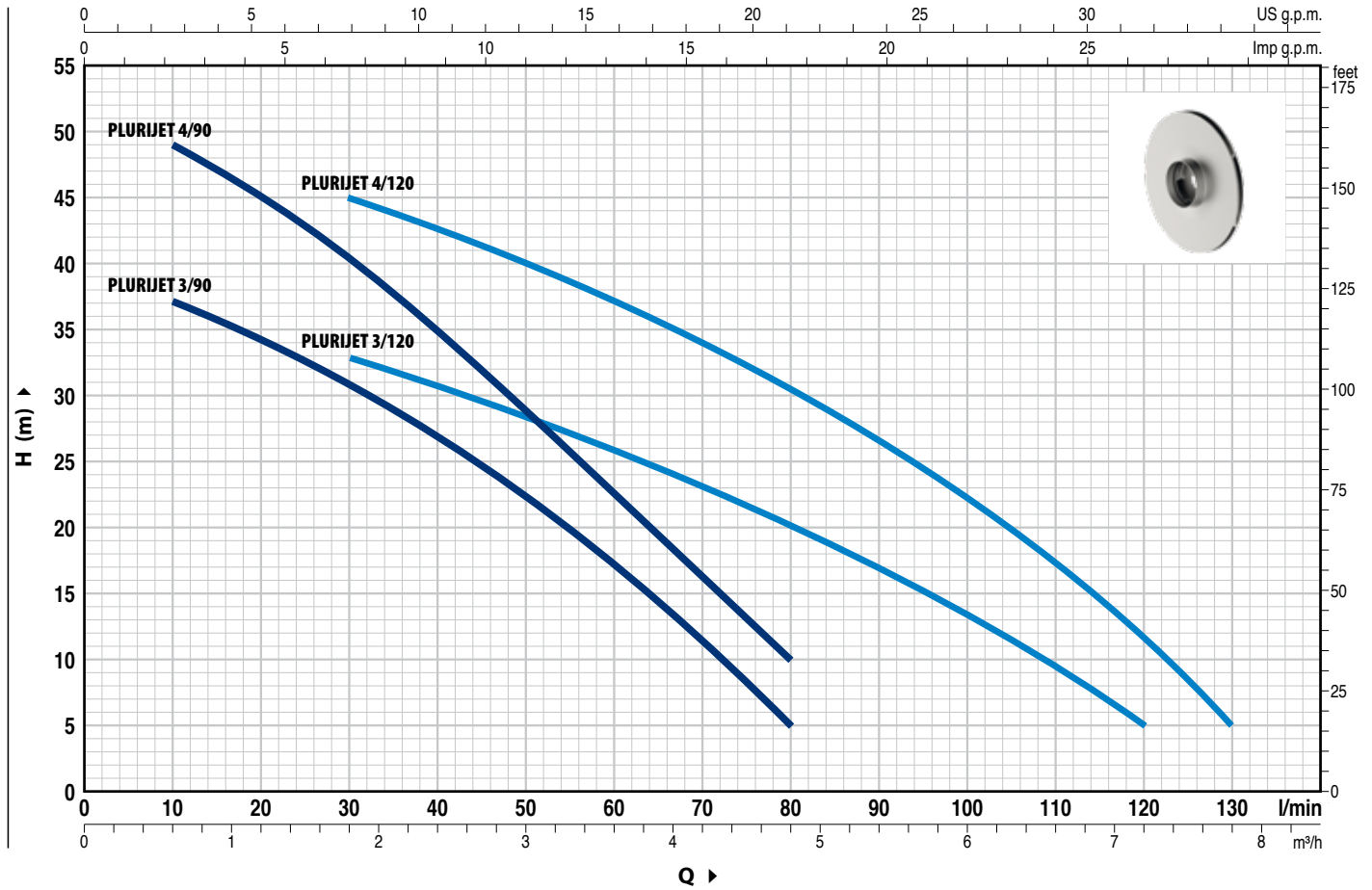


WARRANTY

2 years as per our general terms and conditions of sale

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n = 2900 min⁻¹ HS = 0 m



MODEL		POWER (P ₂)			Q	Flow Rate (Q)																
Single phase	Three phase	kW	HP	▲		0	0.3	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2	7.8		
					0	5	10	20	30	40	50	60	70	80	90	100	110	120	130			
PLURIJETm 3/90	PLURIJET 3/90	0.48	0.65	IE3	H metres	40	38	37	34.5	31	27	22.5	17	11	5							
PLURIJETm 4/90	PLURIJET 4/90	0.55	0.75			52	50	49	44.5	40	34	28.5	22.5	16	10							
PLURIJETm 3/120	PLURIJET 3/120	0.55	0.75			38	37	36	34.5	33	31	28	26	23	20	17	13.5	10	5			
PLURIJETm 4/120	PLURIJET 4/120	0.75	1			50	50	49	47	45	42	39.5	37	34	30.5	26.5	22	17	11	5		

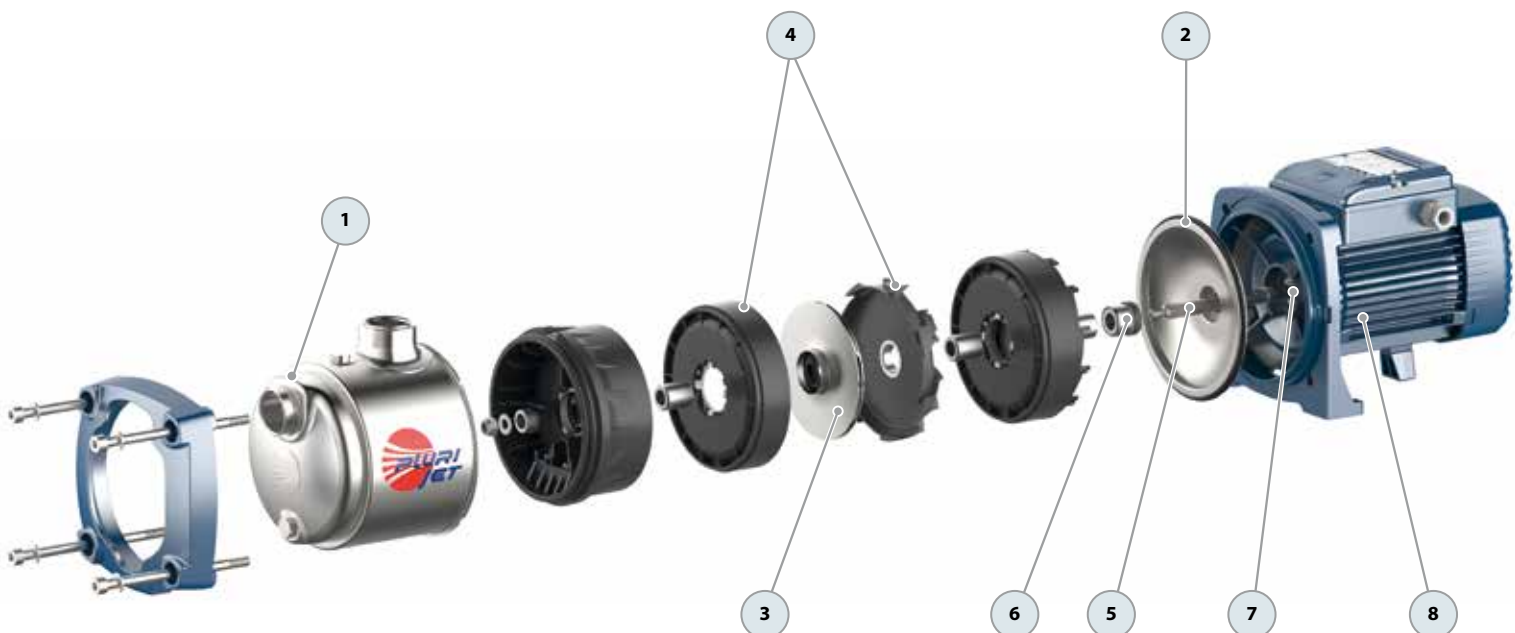
Q = Flow rate H = Total manometric head HS = Suction height

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

▲ Three-phase motor efficiency class (IEC 60034-30-1)

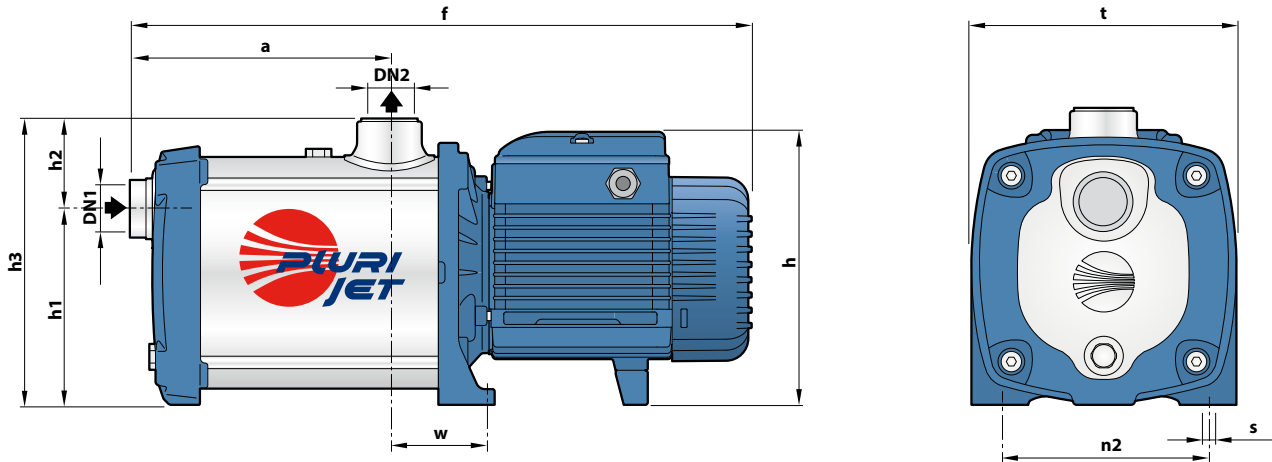
POS. COMPONENT CONSTRUCTION CHARACTERISTICS

1 PUMP BODY	Stainless steel AISI 304 complete with threaded ports in compliance with ISO 228/1				
2 COVER	Stainless steel AISI 304				
3 IMPELLERS	Stainless steel AISI 304				
4 DIFFUSERS	Noryl complete with anti-wear ring				
5 MOTOR SHAFT	Stainless steel AISI 431				
6 MECHANICAL SEAL	<i>Seal Model</i>	<i>Shaft Diameter</i>	<i>Stationary ring</i>	<i>Materials Rotational ring</i>	<i>Elastomer</i>
	AR-13	Ø 13 mm	Ceramic	Graphite	NBR
7 BEARINGS	<i>Electric pump</i>	<i>Model</i>			
	PLURIJET 3/90				
	PLURIJET 3/120	6202 ZZ - C3 / 6201 ZZ			
	PLURIJET 4/90				
PLURIJET 4/120	6203 ZZ / 6203 ZZ				
8 ELECTRIC MOTOR	<p>PLURIJETm: single-phase 230 V - 50 Hz with thermal overload protector incorporated into the winding. PLURIJET: three-phase 230/400 V - 50 Hz.</p> <p>⇒ The three-phase pumps are fitted with high performance motors in class IE3 (IEC 60034-30-1)</p> <ul style="list-style-type: none"> - Insulation: class F - Protection: IP X4 				



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DIMENSIONS AND WEIGHTS



MODEL		PORTS		DIMENSIONS mm										kg	
Single phase	Three phase	DN1	DN2	a	f	h	h1	h2	h3	t	n2	w	s	1~	3~
PLURIJETm 3/90	PLURIJET 3/90	1"	1"	132	358	171	122	56	178	160	125	56.5	9	8.6	8.6
PLURIJETm 4/90	PLURIJET 4/90			157	383									9.8	9.1
PLURIJETm 3/120	PLURIJET 3/120			132	358	9.2								8.5	
PLURIJETm 4/120	PLURIJET 4/120			157	402	189								12.3	12.3

(*) h=221 mm for single-phase versions at 110 V

ABSORPTION

MODEL	VOLTAGE	
Single phase	230 V	240 V
PLURIJETm 3/90	3.2 A	3.1 A
PLURIJETm 4/90	3.9 A	3.7 A
PLURIJETm 3/120	4.1 A	3.9 A
PLURIJETm 4/120	5.8 A	5.6 A

MODEL	VOLTAGE					
Three phase	230 V	400 V	690 V	240 V	415 V	720 V
PLURIJET 3/90	2.5 A	1.5 A	0.9 A	2.4 A	1.4 A	0.8 A
PLURIJET 4/90	3.4 A	2.0 A	1.2 A	3.3 A	1.9 A	1.1 A
PLURIJET 3/120	3.4 A	2.0 A	1.2 A	3.3 A	1.9 A	1.1 A
PLURIJET 4/120	4.0 A	2.3 A	1.3 A	3.8 A	2.2 A	1.3 A

CAPACITOR

MODEL	CAPACITY
Single phase	(230 V or 240 V)
PLURIJETm 3/90	12.5 µF - 450 VL
PLURIJETm 4/90	14 µF - 450 VL
PLURIJETm 3/120	14 µF - 450 VL
PLURIJETm 4/120	20 µF - 450 VL

CAPACITORS EN 60252-1/A1



*The data contained in this publication are not to be considered binding.
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Pedrollo S.p.A.

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