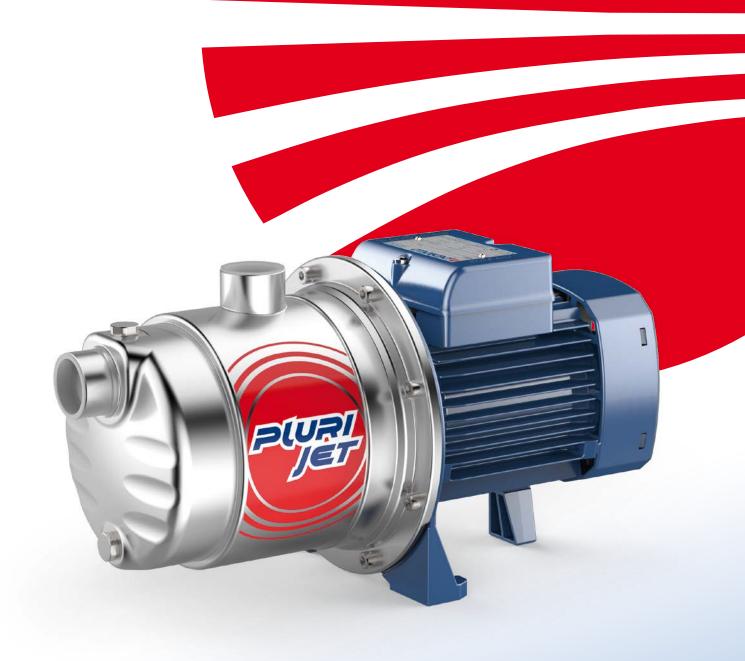
PLURIJES









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

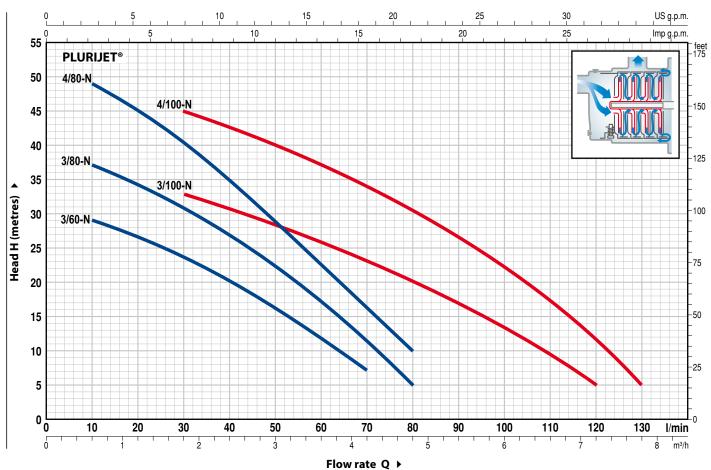
- Manometric suction lift up to 9 m (HS)
- Liquid temperature between -10 °C and +40 °C
- Ambient temperature up to +40 °C
- Max. working pressure 6 bar
- Continuous service \$1

TRADE MARKS

• PLURIJET® is a registered trade mark n° 3974301

CHARACTERISTIC CURVES AND PERFORMANCE DATA





| МО | POWER | | 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 | |
|-------------------|--------------------------|------|------|----------|-----|-----|-----|-----|------|------|------|-----|------|------|-----|------|------|------|-----|-----|-----|
| Single-phase | Single-phase Three-phase | | HP | 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 |





| 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 AIS | Stainless steel AISI 304 | | | | | | | | | | |
| 3 | IMPELLERS | Noryl FE1520PW | Noryl FE1520PW | | | | | | | | | | |
| 4 | DIFFUSERS | Noryl FE1520PW | Noryl FE1520PW complete with anti-wear ring | | | | | | | | | | |
| 5 | MOTOR SHAFT | Stainless steel EN | Stainless steel EN 10088-3 - 1.4104 | | | | | | | | | | |
| 6 | MECHANICAL SEAL | Seal Model | Shaft Diameter | Stationary ring | Material Rotational r | - | | | | | | | |
| | | AR-13 | Ø 13 mm | Ceramic | Graphit | e NBR | | | | | | | |
| 7 | BEARINGS | Pump | | Model | | | | | | | | | |
| | | PLURIJET 3/60, 3 | 3/80, 3/100, 4/80-N | 6202 ZZ - C | 3 / 6201 Z | ZZ | | | | | | | |
| | | PLURIJET 4/100- | N | 6203 ZZ / 6 | 203 ZZ | | | | | | | | |
| 8 | CAPACITOR | Pump Single-phase | | Capacitano (230 V or 240 | | (110 V) | | | | | | | |
| | | PLURIJETm 3/60 | 10 μF 450 V | ′L | 25 μF 250 VL | | | | | | | | |
| | | PLURIJETm 3/80 | 12.5 μF 450 |) VL | 25 μF 250 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.

14 μF 450 VL

20 μF 450 VL

Pumps fitted with the three-phase motor option offer IE2 (IEC 60034-30) class high performance.

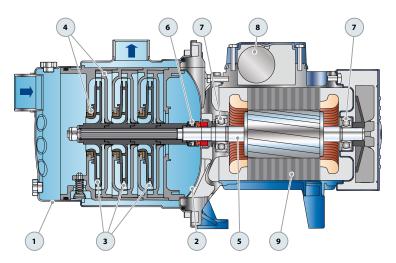
25 μF 250 VL

60 μF 300 VL

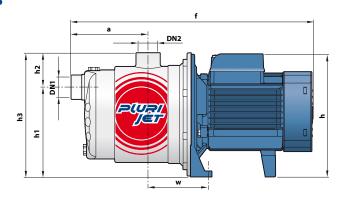
- Stator and rotor are made out of magnetic sheet with low iron loss.
- Insulation: F class.Protection: IP X4.

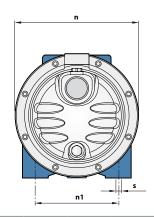
PLURIJETm 4/80, 3/100-N

PLURIJETm 4/100-N



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 | 357 382 | 102 | 132 | 51 | 183 | 182 | 120 | 87 | |
| PLURIJETm 3/80 -N | PLURIJET 3/80 -N | | | | | | | | | | | | _ |
| PLURIJETm 4/80 -N | PLURIJET 4/80 -N | | | 138 | | 182 | | | | | | | 9 |
| PLURIJETm 3/100-N | PLURIJET 3/100-N | | | 113 | 357 | | | | | | | | |
| PLURIJETm 4/100-N | PLURIJET 4/100-N | | | 138 | 411 | 202 | | | | | | | 10 |

