

-  Clean water
-  Domestic use
-  Civil use



※ **PLURIJET high-efficiency pumps with stainless steel impellers are as essential as water. Thanks to their reliability, quiet operation, and cost-effectiveness, they provide the best and most effective solution for your domestic needs.**

### PERFORMANCE RANGE

- Flow rate up to **200 l/min** (12 m<sup>3</sup>/h)
- Head up to **97 m**

### INSTALLATION AND USE

**PLURIJET** self-priming pumps are designed to draw water and liquids that contain air, and clean water and liquids that will not damage the pump's components. Reliable and energy-efficient, they are suitable for both domestic and civil applications, particularly for water distribution along pressure tanks to increase overall network pressure, rainwater recovery, and irrigation.

### ELECTRIC MOTOR

The three-phase pumps are equipped with newly developed electric motors designed to work with inverters, which guarantee stable and quiet operation.

Efficiency class **IE3** for three-phase motors and **IE2** for single-phase motors, with class F insulation and IPX4 protection.

### APPLICATION LIMITS

- Manometric suction head up to **9 m** (HS)
- Liquid temperature between **-10 °C** and **+40 °C**
- Ambient temperature up to **+40 °C**
- Maximum working pressure **10 bar**

### AVAILABLE UPON REQUEST

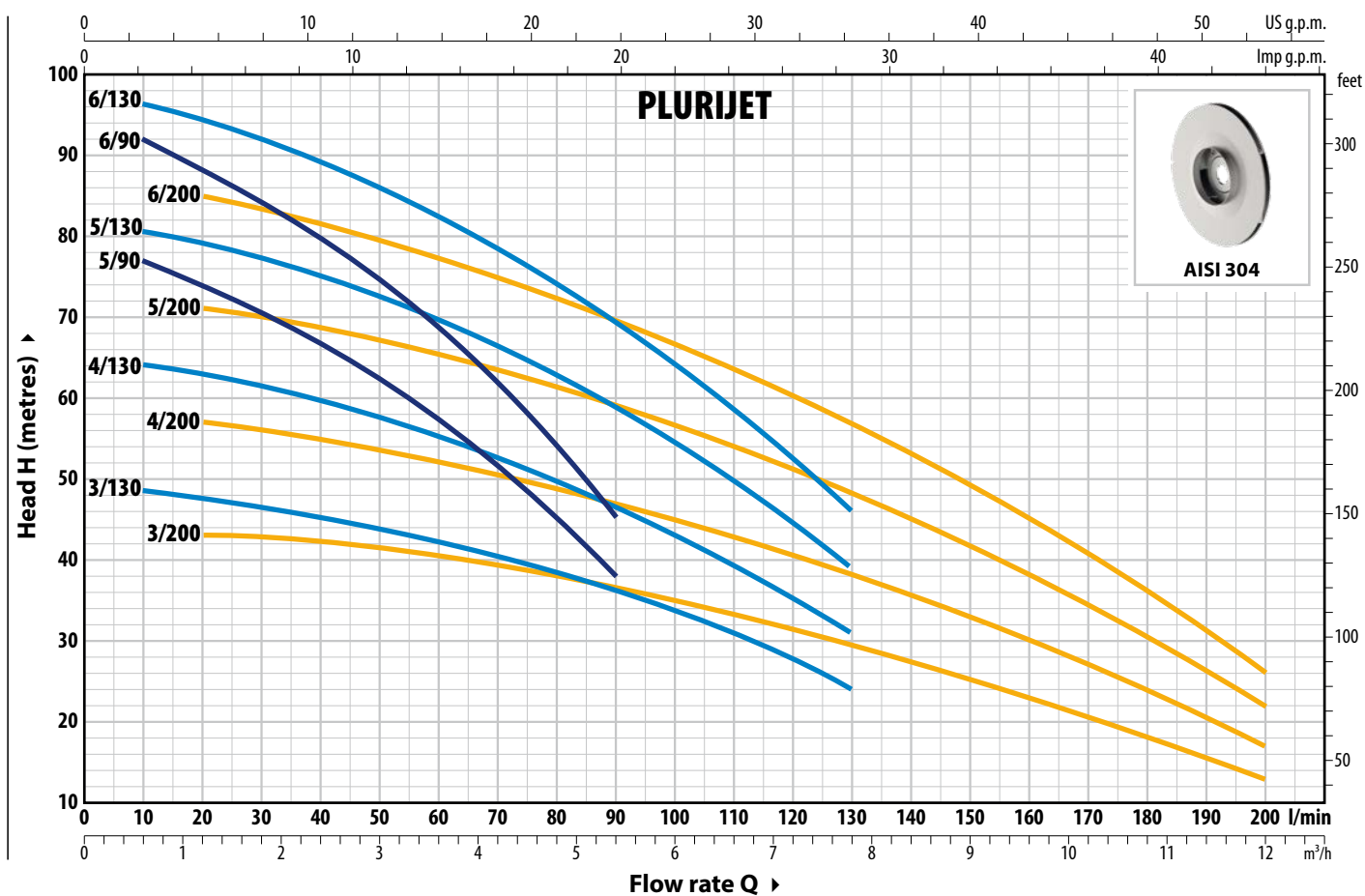
- ※ Technopolymer impeller (cost-effective version)
- ※ Different voltage requirements 60 Hz frequency
- ※ IPX5 protection
- ※ Certified pumps 

### PATENTS - TRADE MARKS - MODELS

- PLURIJET® Registered trademark No. 3974301
- Patent Pending No. 102023000019836

## CURVES AND PERFORMANCE DATA – HS=0 m

**50 Hz**

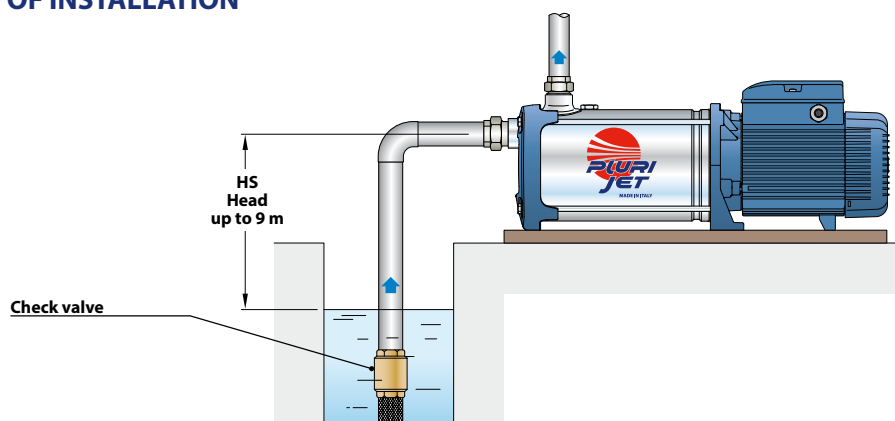


| TYPE            |                | POWER (P <sub>2</sub> ) |     | 1~  | 3~  | Q        | m³/h  | 0    | 0.3  | 0.6  | 1.2 | 2.4  | 3.6 | 5.4  | 6.0 | 7.8  | 8.4 | 9.6 | 10.8 | 12.0 |  |
|-----------------|----------------|-------------------------|-----|-----|-----|----------|-------|------|------|------|-----|------|-----|------|-----|------|-----|-----|------|------|--|
| Single-phase    | Three-phase    | kW                      | HP  |     |     |          | l/min | 0    | 5    | 10   | 20  | 40   | 60  | 90   | 100 | 130  | 140 | 160 | 180  | 200  |  |
| PLURIJETm 5/90  | PLURIJET 5/90  | 1.1                     | 1.5 | IE2 | IE3 | H metres | 80    | 78   | 77   | 74   | 67  | 57   | 38  |      |     |      |     |     |      |      |  |
| PLURIJETm 6/90  | PLURIJET 6/90  | 1.5                     | 2   |     |     |          | 96    | 94   | 92   | 88   | 80  | 69   | 45  |      |     |      |     |     |      |      |  |
| PLURIJETm 3/130 | PLURIJET 3/130 | 1.1                     | 1.5 |     |     |          | 49    | 49   | 48.5 | 47.5 | 45  | 42.5 | 36  | 33.5 | 24  |      |     |     |      |      |  |
| PLURIJETm 4/130 | PLURIJET 4/130 | 1.5                     | 2   |     |     |          | 65    | 65   | 64   | 63   | 60  | 56   | 46  | 43   | 31  |      |     |     |      |      |  |
| PLURIJETm 5/130 | PLURIJET 5/130 | 1.8                     | 2.5 |     |     |          | 81    | 81   | 80.5 | 79   | 75  | 70   | 59  | 54   | 39  |      |     |     |      |      |  |
| –               | PLURIJET 6/130 | 2.2                     | 3   |     |     |          | 97    | 97   | 96.5 | 94.5 | 90  | 83   | 69  | 64   | 46  |      |     |     |      |      |  |
| PLURIJETm 3/200 | PLURIJET 3/200 | 1.1                     | 1.5 |     |     |          | 44    | 43.5 | 43.5 | 43   | 42  | 40.5 | 37  | 35   | 29  | 27.5 | 23  | 18  | 13   |      |  |
| PLURIJETm 4/200 | PLURIJET 4/200 | 1.5                     | 2   |     |     |          | 58    | 57.5 | 57.5 | 57   | 55  | 52.5 | 47  | 45   | 38  | 35.5 | 30  | 24  | 17   |      |  |
| PLURIJETm 5/200 | PLURIJET 5/200 | 1.8                     | 2.5 |     |     |          | 73    | 72   | 71.5 | 71   | 69  | 65.5 | 59  | 56.5 | 48  | 44.5 | 38  | 30  | 22   |      |  |
| –               | PLURIJET 6/200 | 2.2                     | 3   |     |     |          | 87    | 86   | 85.5 | 85   | 82  | 78   | 69  | 67   | 57  | 53   | 45  | 36  | 26   |      |  |

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

Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

## EXAMPLE OF INSTALLATION

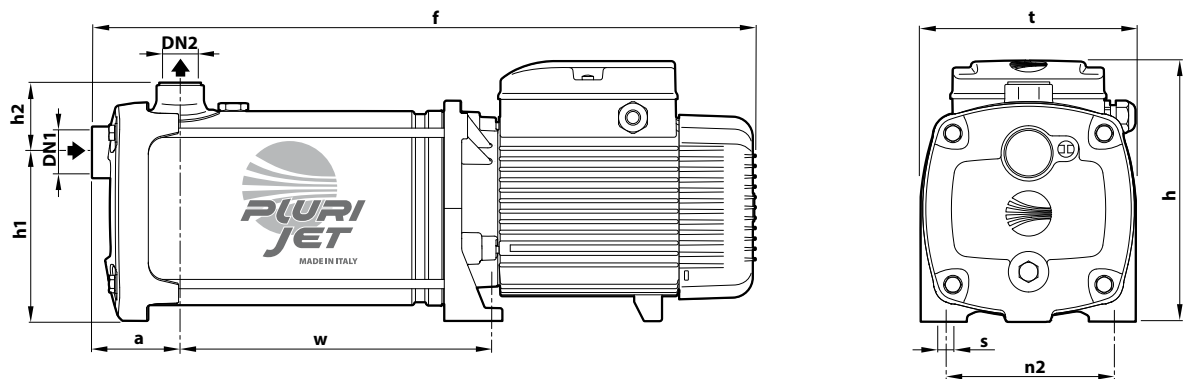


ABSORPTION

| TYPE            |  | VOLTAGE |  |
|-----------------|--|---------|--|
| Single-phase    |  | 230 V   |  |
| PLURIJETm 5/90  |  | 9.3 A   |  |
| PLURIJETm 6/90  |  | 11.0 A  |  |
| PLURIJETm 3/130 |  | 8.5 A   |  |
| PLURIJETm 4/130 |  | 10.3 A  |  |
| PLURIJETm 5/130 |  | 12.5 A  |  |
| PLURIJETm 3/200 |  | 8.7 A   |  |
| PLURIJETm 4/200 |  | 10.5 A  |  |
| PLURIJETm 5/200 |  | 12.5 A  |  |

| TYPE           |  | VOLTAGE   |           |
|----------------|--|-----------|-----------|
| Three-phase    |  | 230 V - Δ | 400 V - Y |
| PLURIJET 5/90  |  | 6.1 A     | 3.5 A     |
| PLURIJET 6/90  |  | 7.3 A     | 4.2 A     |
| PLURIJET 3/130 |  | 5.5 A     | 3.2 A     |
| PLURIJET 4/130 |  | 6.9 A     | 4.0 A     |
| PLURIJET 5/130 |  | 9.0 A     | 5.2 A     |
| PLURIJET 6/130 |  | 9.9 A     | 5.7 A     |
| PLURIJET 3/200 |  | 5.9 A     | 3.4 A     |
| PLURIJET 4/200 |  | 7.3 A     | 4.2 A     |
| PLURIJET 5/200 |  | 9.3 A     | 5.4 A     |
| PLURIJET 6/200 |  | 10.2 A    | 5.9 A     |

DIMENSIONS AND WEIGHT



| TYPE            |                | PORTS |     | DIMENSIONS mm |     |     |     |    |     |     |     |    | kg   |      |
|-----------------|----------------|-------|-----|---------------|-----|-----|-----|----|-----|-----|-----|----|------|------|
| Single-phase    | Three-phase    | DN1   | DN2 | a             | f   | h   | h1  | h2 | t   | n2  | w   | s  | 1~   | 3~   |
| PLURIJETm 5/90  | PLURIJET 5/90  | 1¼"   | 1"  | 75            | 549 | 228 | 145 | 59 | 185 | 145 | 243 | 11 | 20.8 | 20.8 |
| PLURIJETm 6/90  | PLURIJET 6/90  |       |     |               | 573 |     |     |    |     |     | 269 |    | 22.8 | 22.8 |
| PLURIJETm 3/130 | PLURIJET 3/130 |       |     |               | 497 |     |     |    |     |     | 191 |    | 18.8 | 18.8 |
| PLURIJETm 4/130 | PLURIJET 4/130 |       |     |               | 523 |     |     |    |     |     | 217 |    | 20.8 | 20.8 |
| PLURIJETm 5/130 | PLURIJET 5/130 |       |     |               | 569 |     |     |    |     |     | 243 |    | 24.2 | 24.2 |
| –               | PLURIJET 6/130 |       |     |               | 595 |     |     |    |     |     | 269 |    | –    | 25.2 |
| PLURIJETm 3/200 | PLURIJET 3/200 |       |     |               | 497 |     |     |    |     |     | 191 |    | 18.8 | 18.8 |
| PLURIJETm 4/200 | PLURIJET 4/200 |       |     |               | 523 |     |     |    |     |     | 217 |    | 20.7 | 20.7 |
| PLURIJETm 5/200 | PLURIJET 5/200 |       |     |               | 569 |     |     |    |     |     | 243 |    | 24.2 | 24.2 |
| –               | PLURIJET 6/200 |       |     |               | 595 |     |     |    |     |     | 269 |    | –    | 25.2 |

## MATERIALS AND COMPONENTS

**1 Pump body** Stainless steel **AISI 304**, provided with ISO 228/1 threaded ports

**2 Cover** Stainless steel **AISI 304**

**3 Impellers** Stainless steel **AISI 304**

**4 Diffusers** Stainless steel **AISI 304**

| 5 Mechanical seal | Seal         | Shaft   | Materials                |
|-------------------|--------------|---------|--------------------------|
|                   | <b>FN-18</b> | Ø 18 mm | Graphite / Ceramic / NBR |

**6 Motor shaft** Stainless steel **AISI 431**

**7 Electric motor** **PLURIJETm**: single-phase 230 V - 50Hz with winding integrated thermal motor protection  
**PLURIJET**: three-phase 230/400 V - 50 Hz  
 ※ Pumps are equipped with high-efficiency motors (IEC 60034-30-1)  
     class **IE2** for single-phase models  
     class **IE3** for three-phase models  
 Continuous running duty **S1**

