

# PLURIJET®

90-130-200

60 Hz

**SELF-PRIMING  
MULTI-STAGE PUMPS**



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90-130-200



## SELF-PRIMING MULTI-STAGE PUMPS



**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.

### ■ APPLICATIONS AND MARKETS

- Commercial
- Irrigation
- Water Well Service
- Small/Medium Pressure Tanks
- Residential
- Water Distribution
- Pressure Boosting Systems
- OEM Equipment

#### PERFORMANCE RANGE

|           |                    |
|-----------|--------------------|
| Max. Flow | 52 GPM (200 l/min) |
| Max. Head | 318 ft. (97 m)     |

#### APPLICATION LIMITS

|                        |                             |
|------------------------|-----------------------------|
| Max. Suction Lift      | 29.5 ft. (9 m)              |
| Liquid Temp.           | 14°F - 104°F (-10°C - 40°C) |
| Ambient Temp. (up to)  | 104°F (40°C)                |
| Max. Working Pressure  | 145 PSI (10 bar)            |
| Continuous Duty Rating | S1                          |

### ■ CERTIFICATIONS



### ■ PATENTS

- Registered Trade Mark No. 3974301 PLURIJET®
- Patent Pending No. EP14755156.8

### ■ FEATURES



#### ALL IN ONE

PLURIJET pumps are designed to handle any domestic water task with ease. With exceptional suction capacity, they can prime up to 29.5 ft. deep, making them perfect for any household water requirement.



#### EFFICIENT

High hydraulic efficiency means they consume less electricity compared to self-priming JET pumps, ensuring you have all the water you need without draining your power supply.

#### QUIET



Featuring multi-cellular hydraulics for maximum pressure with minimal power consumption, these pumps operate with significantly reduced noise.

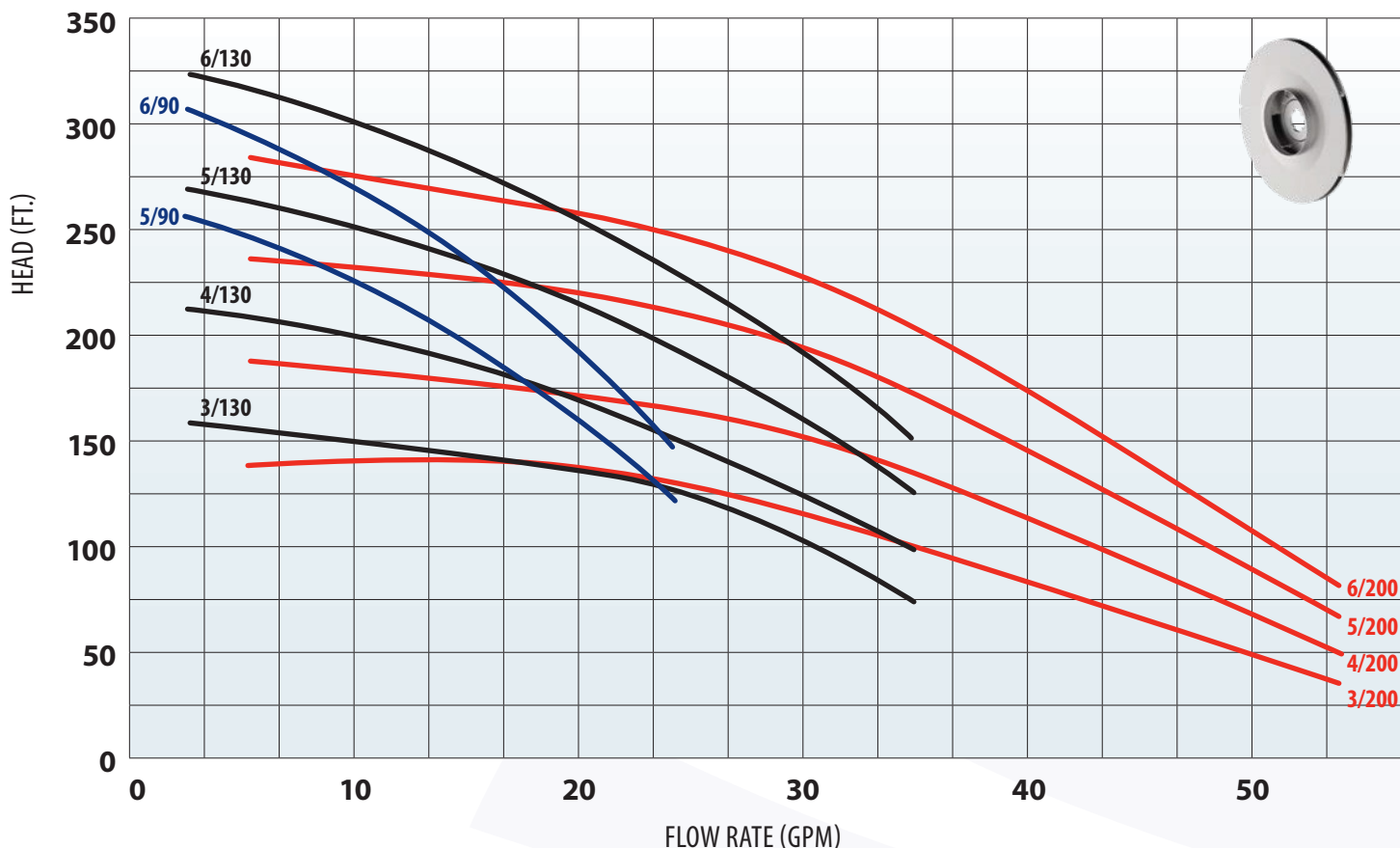
### ■ OPTIONS AVAILABLE UPON REQUEST

- Pump Body with GAS ANSI B 1.20.1 Threaded Ports
- Other Voltages
- IPX5 Class Protection

**2 YEAR**  
LIMITED  
WARRANTY

### CURVES AND PERFORMANCE DATA

60 Hz RPM=3450

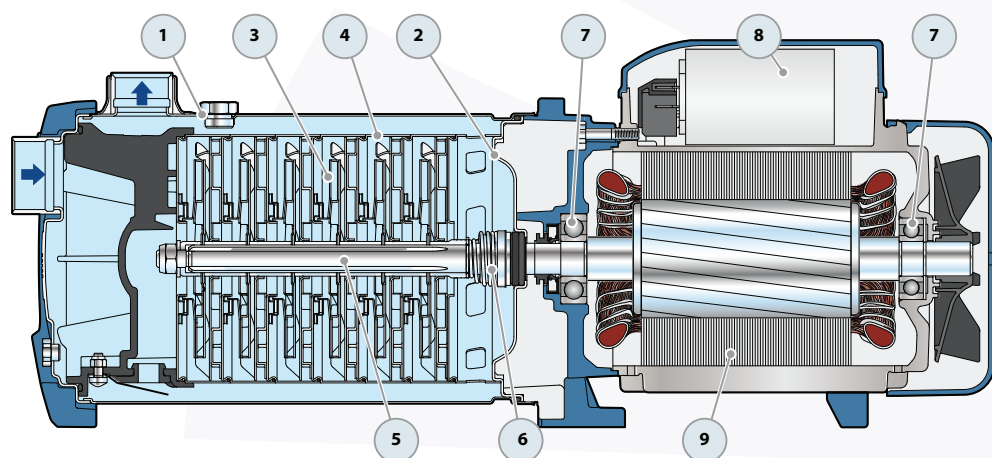


| MODEL           |                | MOTOR SIZE |      |     |               |       |       |       |       |       |       |       |       |       |       |       |       |      |   |
|-----------------|----------------|------------|------|-----|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|---|
| SINGLE-PHASE    | THREE-PHASE    | kW         | HP   | EFF | GPM           | 0     | 1.3   | 2.6   | 5.3   | 10.6  | 15.8  | 23.8  | 26.4  | 34.3  | 37.0  | 42.3  | 47.6  | 52.8 |   |
| PLURIJETm 5/90  | PLURIJET 5/90  | 1.1        | 1.5  | IE3 | HEAD<br>(FT.) | 262.5 | 255.9 | 252.6 | 242.8 | 219.8 | 187.0 | 127.7 | -     | -     | -     | -     | -     | -    |   |
| PLURIJETm 6/90  | PLURIJET 6/90  | 1.5        | 2    |     |               | 315.0 | 308.4 | 301.8 | 288.7 | 262.5 | 226.4 | 147.6 | -     | -     | -     | -     | -     | -    | - |
| PLURIJETm 3/130 | PLURIJET 3/130 | 1.1        | 1.50 |     |               | 160.8 | 160.8 | 159.1 | 155.8 | 147.6 | 139.4 | 118.1 | 109.9 | 78.7  | -     | -     | -     | -    | - |
| PLURIJETm 4/130 | PLURIJET 4/130 | 1.5        | 2    |     |               | 213.2 | 213.2 | 210.0 | 206.7 | 196.8 | 183.7 | 150.9 | 141.1 | 101.7 | -     | -     | -     | -    | - |
| PLURIJETm 5/130 | PLURIJET 5/130 | 1.8        | 2.5  |     |               | 265.7 | 265.7 | 264.1 | 259.2 | 246.1 | 229.7 | 193.6 | 177.2 | 127.9 | -     | -     | -     | -    | - |
| -               | PLURIJET 6/130 | 2.2        | 3    |     |               | 318.2 | 318.2 | 316.6 | 310.0 | 295.3 | 272.3 | 226.4 | 210.0 | 150.9 | -     | -     | -     | -    | - |
| PLURIJETm 3/200 | PLURIJET 3/200 | 1.1        | 1.5  |     |               | 144.3 | 142.7 | 142.7 | 141.1 | 137.8 | 132.9 | 121.4 | 114.8 | 95.1  | 90.2  | 75.4  | 59.1  | 42.6 |   |
| PLURIJETm 4/200 | PLURIJET 4/200 | 1.5        | 2    |     |               | 190.3 | 188.6 | 188.6 | 187.0 | 180.4 | 172.2 | 154.2 | 147.6 | 124.7 | 116.5 | 98.4  | 78.7  | 55.8 |   |
| PLURIJETm 5/200 | PLURIJET 5/200 | 1.8        | 2.5  |     |               | 239.5 | 236.2 | 234.6 | 232.9 | 226.4 | 214.9 | 193.6 | 185.4 | 157.5 | 146.0 | 124.7 | 98.4  | 72.2 |   |
| -               | PLURIJET 6/200 | 2.2        | 3    |     |               | 285.4 | 282.1 | 280.5 | 278.9 | 269.0 | 255.9 | 226.4 | 219.8 | 187.1 | 173.9 | 147.6 | 118.1 | 85.3 |   |

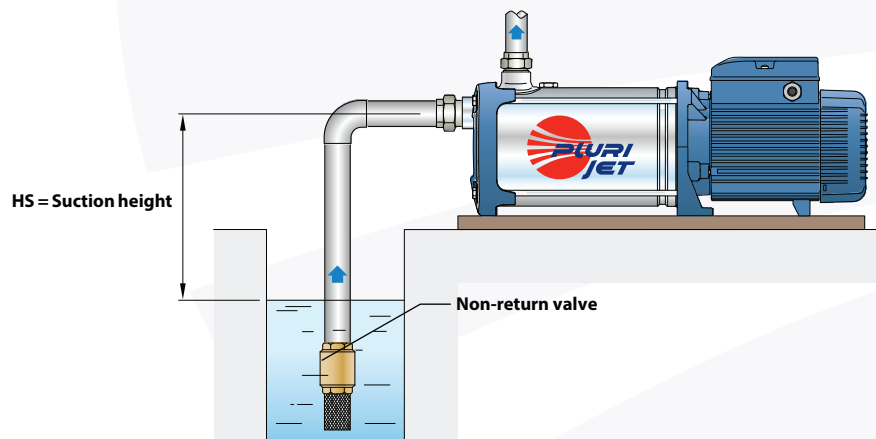
Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

### CONSTRUCTION FEATURES

| #               | COMPONENT       | CHARACTERISTICS                                                                                                                                                                                                                                                                                                                       |                    |                         |                        |                  |
|-----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------|------------------------|------------------|
| 1               | PUMP BODY       | Stainless steel AISI 316L complete with threaded ports in compliance with ISO 228/1                                                                                                                                                                                                                                                   |                    |                         |                        |                  |
| 2               | BODY BACKPLATE  | Stainless steel <b>AISI 304</b>                                                                                                                                                                                                                                                                                                       |                    |                         |                        |                  |
| 3               | IMPELLERS       | Stainless steel <b>AISI 304</b>                                                                                                                                                                                                                                                                                                       |                    |                         |                        |                  |
| 4               | DIFFUSERS       | Stainless steel <b>AISI 304</b>                                                                                                                                                                                                                                                                                                       |                    |                         |                        |                  |
| 5               | MOTOR SHAFT     | Stainless steel <b>AISI 304</b>                                                                                                                                                                                                                                                                                                       |                    |                         |                        |                  |
| 6               | MECHANICAL SEAL | <b>SEAL</b>                                                                                                                                                                                                                                                                                                                           | <b>SHAFT</b>       | <b>MATERIALS</b>        |                        |                  |
|                 |                 | <i>Model</i>                                                                                                                                                                                                                                                                                                                          | <i>Diameter</i>    | <i>Stationary Ring</i>  | <i>Rotational Ring</i> | <i>Elastomer</i> |
|                 |                 | FN-18                                                                                                                                                                                                                                                                                                                                 | 0.7 in.            | Graphite                | Ceramic                | NBR              |
| 7               | BEARINGS        | 6304 2RS - C3 / 6204 ZZ - C3E                                                                                                                                                                                                                                                                                                         |                    |                         |                        |                  |
| 8               | CAPACITOR       | <b>PUMP</b>                                                                                                                                                                                                                                                                                                                           | <b>CAPACITANCE</b> |                         |                        |                  |
|                 |                 | <i>Single-phase</i>                                                                                                                                                                                                                                                                                                                   | <i>(220 V)</i>     | <i>(110 V or 127 V)</i> |                        |                  |
|                 |                 | PLURIJETm 5/90                                                                                                                                                                                                                                                                                                                        | 31.5 μF - 450 VL   | 60 μF - 250 VL          |                        |                  |
|                 |                 | PLURIJETm 3/130                                                                                                                                                                                                                                                                                                                       |                    |                         |                        |                  |
|                 |                 | PLURIJETm 3/200                                                                                                                                                                                                                                                                                                                       |                    |                         |                        |                  |
|                 |                 | PLURIJETm 6/90                                                                                                                                                                                                                                                                                                                        | 45 μF - 450 VL     | 80 μF - 250 VL          |                        |                  |
|                 |                 | PLURIJETm 4/130                                                                                                                                                                                                                                                                                                                       |                    |                         |                        |                  |
|                 |                 | PLURIJETm 4/200                                                                                                                                                                                                                                                                                                                       |                    |                         |                        |                  |
|                 |                 | PLURIJETm 5/130                                                                                                                                                                                                                                                                                                                       | 50 μF - 450 VL     | -                       |                        |                  |
| PLURIJETm 5/200 |                 |                                                                                                                                                                                                                                                                                                                                       |                    |                         |                        |                  |
| 9               | ELECTRIC MOTOR  | PLURIJETm: Single-phase 230 V - 60 Hz with thermal overload protector incorporated into the winding.<br>PLURIJET: Three-phase 220/380 V - 60 Hz or 230/460 V - 60 Hz.<br><b>The three-phase pumps are fitted with high performance motors in class IE3 (IEC 60034-30-1)</b><br>Insulation: <b>Class F</b><br>Protection: <b>IP X4</b> |                    |                         |                        |                  |



### INSTALLATION

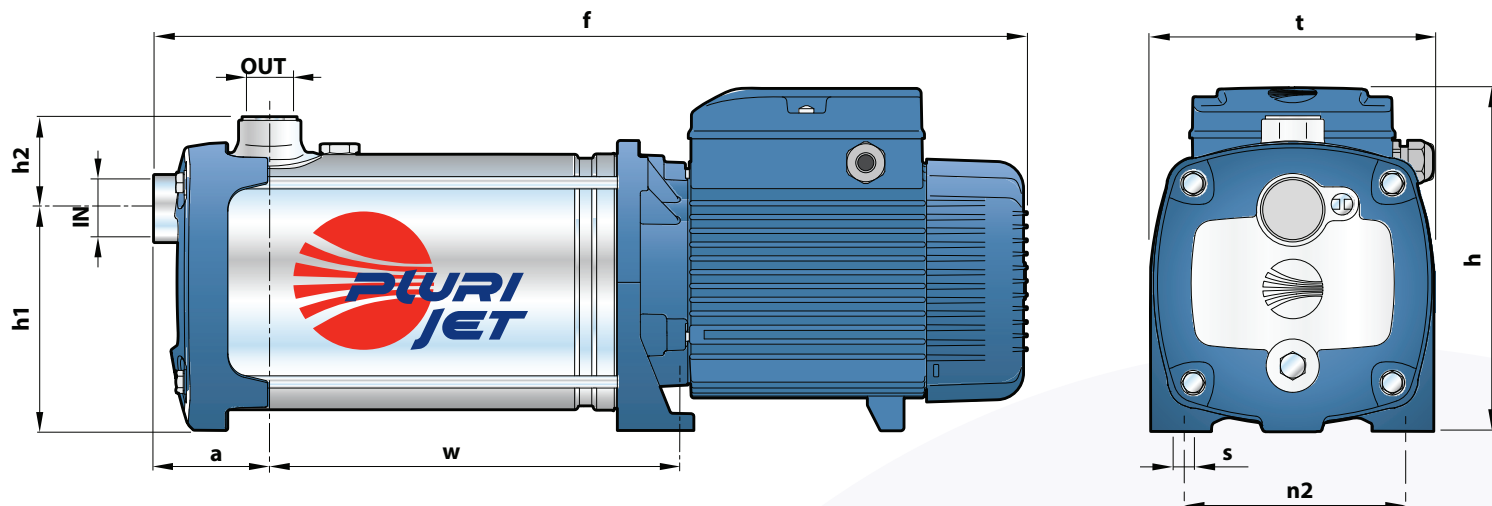


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## 90-130-200



### DIMENSIONS AND WEIGHT



| MODEL NUMBER    |                | PORTS     |       | DIMENSIONS (IN.) |      |     |     |     |     |     |      |     |  | LBS.         |             |
|-----------------|----------------|-----------|-------|------------------|------|-----|-----|-----|-----|-----|------|-----|--|--------------|-------------|
| Single-phase    | Three-phase    | IN        | OUT   | a                | f    | h   | h1  | h2  | n2  | t   | w    | s   |  | Single-Phase | Three-phase |
| PLURIJETm 5/90  | PLURIJET 5/90  | 1-1/4 in. | 1 in. | 2.9              | 21.6 | 8.9 | 5.7 | 2.3 | 5.7 | 7.3 | 9.6  | 0.4 |  | 44.9         | 45.2        |
| PLURIJETm 6/90  | PLURIJET 6/90  |           |       |                  | 22.5 |     |     |     |     |     | 10.6 |     |  | 50.0         | 49.6        |
| PLURIJETm 3/130 | PLURIJET 3/130 |           |       |                  | 19.6 |     |     |     |     |     | 7.5  |     |  | 40.8         | 41.1        |
| PLURIJETm 4/130 | PLURIJET 4/130 |           |       |                  | 20.6 |     |     |     |     |     | 8.5  |     |  | 45.2         | 45.4        |
| PLURIJETm 5/130 | PLURIJET 5/130 |           |       |                  | 22.4 |     |     |     |     |     | 9.6  |     |  | 52.2         | 53.3        |
| -               | PLURIJET 6/130 |           |       |                  | 23.4 |     |     |     |     |     | 10.6 |     |  | -            | 55.8        |
| PLURIJETm 3/200 | PLURIJET 3/200 |           |       |                  | 19.6 |     |     |     |     |     | 7.5  |     |  | 40.8         | 41.0        |
| PLURIJETm 4/200 | PLURIJET 4/200 |           |       |                  | 20.6 |     |     |     |     |     | 8.5  |     |  | 45.4         | 45.4        |
| PLURIJETm 5/200 | PLURIJET 5/200 |           |       |                  | 22.4 |     |     |     |     |     | 9.6  |     |  | 54.4         | 52.9        |
| -               | PLURIJET 6/200 |           |       |                  | 23.4 |     |     |     |     |     | 10.6 |     |  | -            | 55.1        |

### ABSORPTION

| MODEL           | VOLTAGE |        |        |
|-----------------|---------|--------|--------|
|                 | 115 V   | 230 V  | 127 V  |
| Single-phase    |         |        |        |
| PLURIJETm 5/90  | 9.3 A   | 18.5 A | 16.1 A |
| PLURIJETm 6/90  | 11.0 A  | 22.0 A | 19.1 A |
| PLURIJETm 3/130 | 8.5 A   | 17.0 A | 14.7 A |
| PLURIJETm 4/130 | 11.0 A  | 22.0 A | 19.1 A |
| PLURIJETm 5/130 | 13.0 A  | 26.0 A | 22.5 A |
| PLURIJETm 3/200 | 8.6 A   | 17.2 A | 14.8 A |
| PLURIJETm 4/200 | 11.0 A  | 22.0 A | 19.1 A |
| PLURIJETm 5/200 | 13.0 A  | 26.0 A | 22.5 A |

| MODEL          | VOLTAGE |       |       |       |
|----------------|---------|-------|-------|-------|
|                | 220 V   | 380 V | 230 V | 460 V |
| Three-phase    |         |       |       |       |
| PLURIJET 5/90  | 7.0 A   | 4.0 A | 5.5 A | 3.5 A |
| PLURIJET 6/90  | 7.5 A   | 4.3 A | 7.0 A | 4.0 A |
| PLURIJET 3/130 | 6.0 A   | 3.4 A | 5.2 A | 3.2 A |
| PLURIJET 4/130 | 7.0 A   | 4.0 A | 5.5 A | 3.5 A |
| PLURIJET 5/130 | 9.0 A   | 5.2 A | 8.3 A | 4.8 A |
| PLURIJET 6/130 | 10.0 A  | 5.8 A | 9.6 A | 5.6 A |
| PLURIJET 3/200 | 7.0 A   | 4.0 A | 5.5 A | 3.5 A |
| PLURIJET 4/200 | 7.5 A   | 4.3 A | 7.0 A | 4.0 A |
| PLURIJET 5/200 | 9.0 A   | 5.2 A | 8.3 A | 4.8 A |
| PLURIJET 6/200 | 10.0 A  | 5.8 A | 9.6 A | 5.6 A |





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