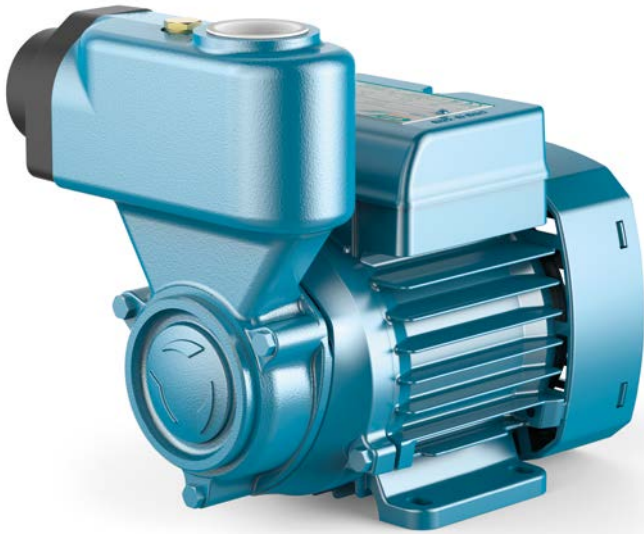


Clean water

Domestic use



### PERFORMANCE RANGE

- Flow rate up to **40 l/min** (2.4 m<sup>3</sup>/h)
- Head up to **40 m**

### APPLICATION LIMITS

- Manometric suction lift up to **9 m** (HS)
- Liquid temperature between **-10 °C** and **+60 °C**
- Ambient temperature up to **+45 °C**
- Max. working pressure **6 bar**
- Continuous service **S1**

### CONSTRUCTION AND SAFETY STANDARDS

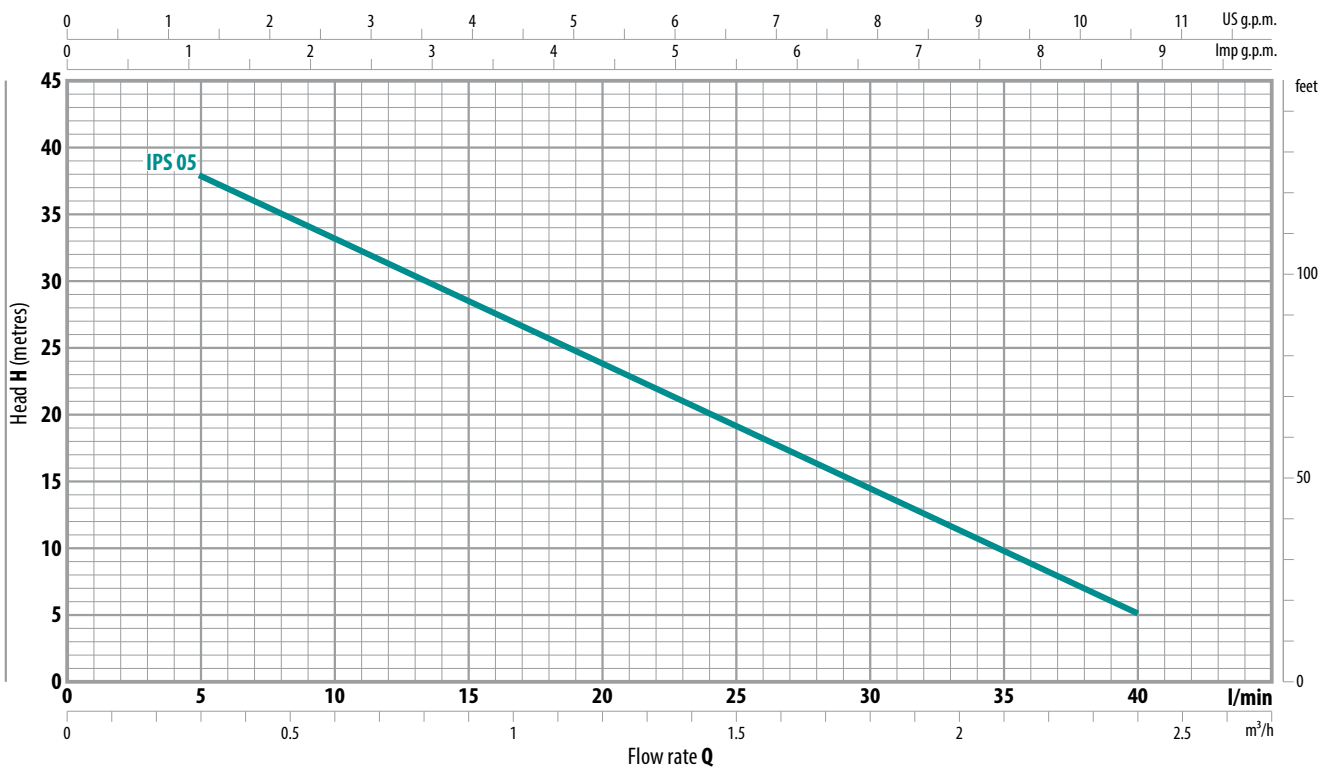
EN 60335-1  
IEC 60335-1  
CEI 61-150

EN 60034-1  
IEC 60034-1  
CEI 2-3



## CHARACTERISTIC CURVES AND PERFORMANCE DATA

| 50 Hz | n= 2900 min<sup>-1</sup> | HS= 0 m



| MODEL        |             | POWER (P <sub>2</sub> ) |      | Q        | Flow rate         |    |      |     |     |      |     |     |     |     |  |  |  |
|--------------|-------------|-------------------------|------|----------|-------------------|----|------|-----|-----|------|-----|-----|-----|-----|--|--|--|
| Single-phase | Three-phase | kW                      | HP   |          | m <sup>3</sup> /h | 0  | 0.3  | 0.6 | 0.9 | 1.2  | 1.5 | 1.8 | 2.1 | 2.4 |  |  |  |
|              |             |                         |      | l/min    | 0                 | 5  | 10   | 15  | 20  | 25   | 30  | 35  | 40  |     |  |  |  |
| IPS 05M      | IPS 05      | 0.37                    | 0.50 | H metres | 40                | 38 | 33.5 | 29  | 24  | 19.5 | 15  | 10  | 5   |     |  |  |  |

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

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

## INSTALLATION AND USE

Suitable for use with clean water that does not contain abrasive particles and with liquids that are not chemically aggressive towards the materials from which the pump is made.

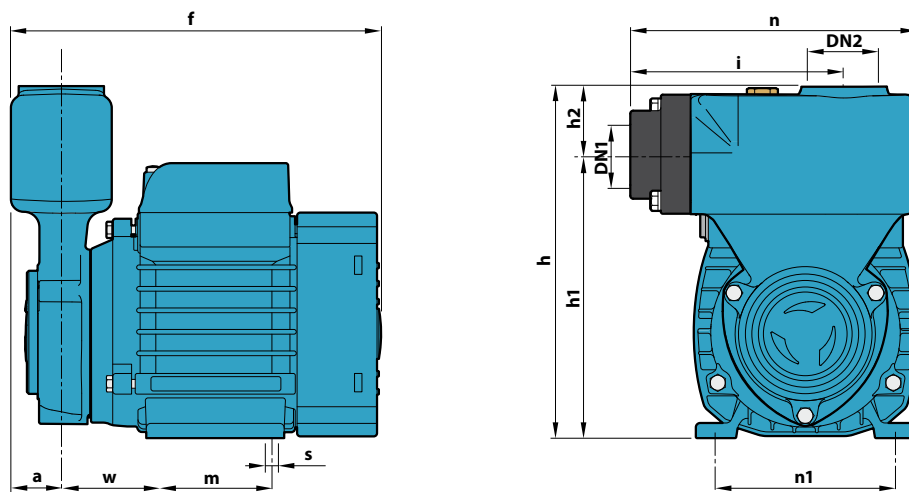
Because of their compactness, reliability and the fact that they are easy to use, they are suitable for use in domestic applications such as the distribution of water in combination with small pressure tanks, for the irrigation of gardens and orchards, for drawing water from tanks and for all those other situations where air or gas may be present in the water to be pumped.

The pump comes complete with a flap-check valve. The pump should be installed in an enclosed environment or sheltered from inclement weather.

## CONSTRUCTION CHARACTERISTICS

|                        |   |
|------------------------|---|
| <b>PUMP BODY</b>       | Cast iron with an Epoxy Electro Coating treatment, with threaded ports in compliance with ISO 228/1 and a built-in flap-check valve in the suction port |
| <b>IMPELLER</b>        | Brass with peripheral radial vanes  |
| <b>MOTOR SHAFT</b>     | Stainless steel EN 10088-3 - 1.4104   |
| <b>MECHANICAL SEAL</b> | Ceramic - Graphite - NBR  |
| <b>ELECTRIC MOTOR</b>  | The three-phase pumps are fitted with high performance motors in class IE2 (IEC 60034-30)   |

## DIMENSIONS AND WEIGHT



| MODEL        |             | PORTS |     | DIMENSIONS mm |     |     |     |    |     |    |     |        |    |   |     | kg  |  |
|--------------|-------------|-------|-----|---------------|-----|-----|-----|----|-----|----|-----|--------|----|---|-----|-----|--|
| Single-phase | Three-phase | DN1   | DN2 | a             | f   | h   | h1  | h2 | i   | m  | n   | n1     | w  | s | 1~  | 3~  |  |
| IPS 05M      | IPS 05      | 1"    | 1"  | 26            | 195 | 183 | 149 | 34 | 110 | 55 | 149 | 93-100 | 53 | 7 | 6.1 | 6.1 |  |

## ABSORPTION

| MODEL   | VOLTAGE      |       |       |      |
|---------|--------------|-------|-------|------|
|         | Single-phase | 230 V | 240 V | 110V |
| IPS 05M | 2.5 A        | 2.4 A | 5.5 A |      |

| MODEL  | VOLTAGE     |        |       |       |       |
|--------|-------------|--------|-------|-------|-------|
|        | Three-phase | 230 V  | 400 V | 240 V | 415 V |
| IPS 05 | 2.0 A       | 1.15 A | 1.9 A | 1.1 A |       |