



### PERFORMANCE RANGE

- Flow rate up to **3.5 m³/h** (0.97 l/s)
- Head up to **6 m**

### INSTALLATION AND USE

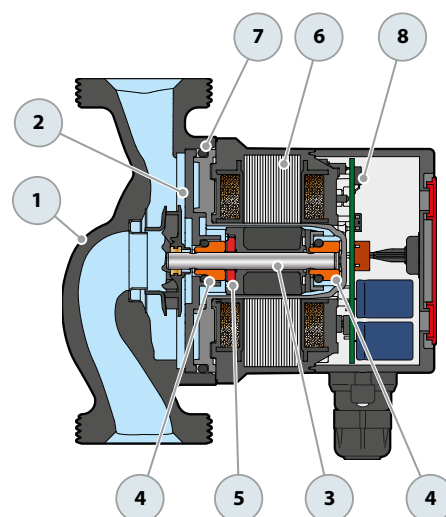
Energy-efficient, class A electronic circulators significantly reduce electricity use by up to 85% compared to traditional models with similar performance, making them an ideal choice for home and residential heating systems. These circulators feature advanced control electronics that allow for customizable functionality to meet the specific needs of various systems. Users can easily adjust and select the desired operating program directly from the user interface's controller, enhancing system efficiency and comfort by minimizing energy consumption and reducing water flow noise in pipes, valves, and radiators. For optimal performance, installation should be in well-ventilated, enclosed spaces or areas protected from the elements.

### APPLICATION LIMITS

- Liquid temperature between **+2 °C** and **+95 °C**
- Ambient temperature between **0 °C** and **+40 °C**
- Maximum working pressure = **6 bar**.
- Minimum suction pressure:
  - **0.3 bar** to 50 °C
  - **1.0 bar** to 95 °C
- Maximum relative humidity **≤ 95%**.
- Sound pressure level **< 43 db(A)**
- Glycol maximum **30%**
- Continuous running duty **S1**

### COMPONENTS

<b>1 Pump body</b>	Cast iron with cathaphoresis treatment
<b>2 Impeller</b>	Technopolymer
<b>3 Shaft</b>	Ceramic
<b>4 Bearings</b>	Graphite
<b>5 end thrust, thrust</b>	Ceramic
<b>6 Motor</b>	<ul style="list-style-type: none"> <li>– Motor 230 V (-10%; +6%) - 50 Hz</li> <li>– Power consumption P1: min 3 W - max 42 W</li> <li>– Absorbed current I1: Min 0.03 A - Max 0.33 A</li> <li>– Insulation: class H</li> <li>– Protection rating: IP 44</li> <li>– Appliance class: II</li> </ul>
<b>7 Gaskets</b>	EPDM
<b>8 Circuit board</b>	



## OPERATING MODE

The user interface enables users to select the optimal working curve for the circulator through three distinct programs. A bright LED indicator displays the circulator's operating status, with variations in illumination providing clear, at-a-glance information.



### PROPORTIONAL PROGRAM



#### GREEN LED

This setting proportionally adjusts the pressure (head) based on the system's heat demand and desired flow rate



### CONSTANT PROGRAM



#### ORANGE LED

This setting maintains a constant pressure level (head) according on the system's heat demand and desired flow rate.



### CUSTOMISED PROGRAM



#### LED BLU

Allows the pump's speed to be set to a constant level, adjustable through a selector that can be positioned between the MIN and MAX settings to fine-tune performance.

An LED indicator on the user interface alerts to the potential presence of air in the system. Should this occur, the circulator's on-board electronics automatically engage a motor unlocking feature to resolve the issue.



#### WHITE LED

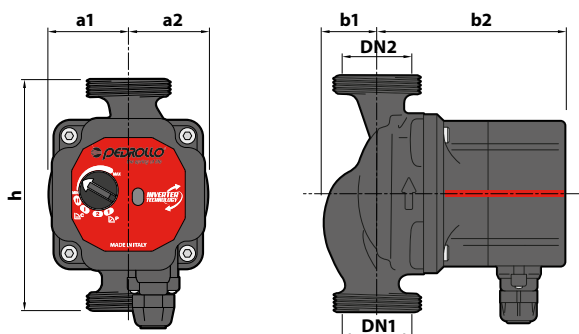
Presence of air in the system. Bleed the system



#### RED LED

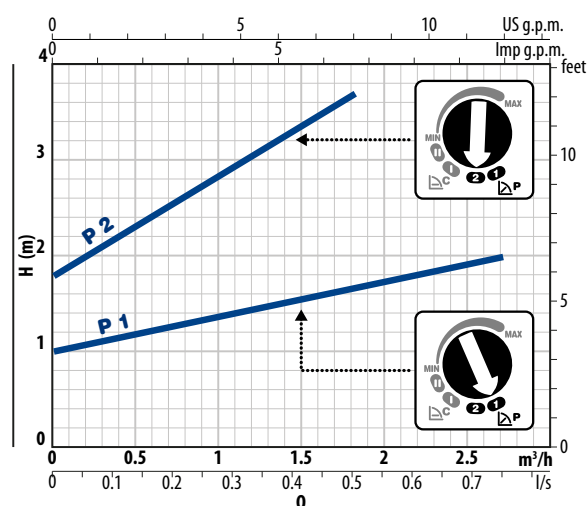
The circulator is in a locked state but is still under power

## DIMENSIONS AND WEIGHT

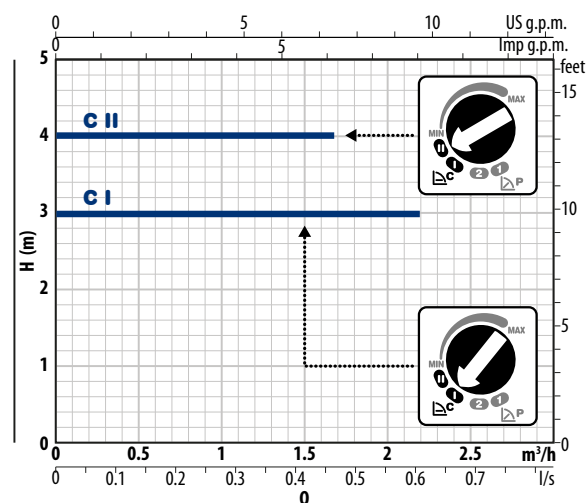


TYPE	PORTS		DIMENSIONS mm						kg
Single-phase	DN1	DN2	h	a1	a2	b1	b2		
DHL 25-60/130	G 1½	G 1½	130	45	45	29	104.2	2.01	
DHL 25-60/180			180					2.60	

## PERFORMANCE CURVES



## PERFORMANCE CURVES



## PERFORMANCE CURVES MIN-MAX

