Compact, lightweight centrifugal pump of plastic for clean, turbid or dirty fluids

Technical data
- Delivery rate
  \( Q_{\text{max}} = 30 \text{ l/min} \)
- Delivery head
  \( H_{\text{max}} = 4 \text{ m} \)
- Temperature range
  \( 0 \degree \text{C} \) to \(+60 \degree \text{C} \)

Product features
- Centrifugal pump, 1-stage model
- Open impeller
- Installation dimensions to DIN EN 12157
- Immersion depths 90 mm, 120 mm
- Weight: 2.5 kg
- Three-phase or single-phase motor
Main applications
- Humidifiers, air conditioning
- Sawing machines
- Stone saws
- Grinding machines
- Cooling systems
- Machine tools
- etc.

Fluids delivered
- Emulsions, also with chemical additives
- Low-viscosity oils
- Various qualities of water
- etc.

Design features
- Vertical Installation
- G ½ male thread
- Direction of rotation: counterclockwise as viewed from above looking down on ventilation side of the motor.

Options
- Extension tube up to 50 mm (if immersion depth deviates from standard)
- Thermal circuit breaker in the winding or thermistor
- Equipped with capacitor and mains plug, completely prepared for single-phase AC

Mechanical design

<table>
<thead>
<tr>
<th>Component</th>
<th>PR4 type of machine</th>
<th>PR4/A901 type of system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor housing</td>
<td>aluminum</td>
<td>aluminum</td>
</tr>
<tr>
<td>Pump support</td>
<td>PPN</td>
<td>PPN</td>
</tr>
<tr>
<td>Pump bottom</td>
<td>PPN</td>
<td>PPN</td>
</tr>
<tr>
<td>Impeller</td>
<td>POM/GF</td>
<td>POM/GF</td>
</tr>
<tr>
<td>Shaft</td>
<td>ETG</td>
<td>Stainless steel, W.-No. 1.4122</td>
</tr>
<tr>
<td>Antifriction bearings</td>
<td>Radial deep-groove ball bearing with two side plates (2 Z), with permanent lubrication</td>
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</tr>
<tr>
<td>Splash guard</td>
<td>Splash ring above pump chamber</td>
<td>Splash ring above pump chamber Plus: splash ring underneath flange, V-ring underneath lower ball bearing</td>
</tr>
</tbody>
</table>

Electrical data

<table>
<thead>
<tr>
<th>Rated frequency [Hz]</th>
<th>Rated voltage ∆ / Y [V]</th>
<th>Rated current ∆ / Y [A]</th>
<th>Rated power [kW]</th>
<th>Rated speed [rpm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>230 / 400</td>
<td>0.33 / 0.19</td>
<td>0.05</td>
<td>2730</td>
</tr>
<tr>
<td>60</td>
<td>230 / 400</td>
<td>0.33 / 0.19</td>
<td>0.05</td>
<td>3300</td>
</tr>
</tbody>
</table>

Degree of protection: IP 54
Insulation class: F/B
Noise level: 46 dB(A)
CE mark

Please note: All equipment may only be installed and/or assembled by qualified personnel. Observe existing safety regulations. To avoid errors please consult our operating instructions.

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