PERFORMANCE RANGE
- Flow rate up to 50 l/min (3 m³/h)
- Head up to 180 m

APPLICATION LIMITS
- Manometric suction lift up to 8 m
- Liquid temperature between -10 °C and +90 °C
- Ambient temperature between -10 °C and +40 °C
- Max. working pressure 18 bar
- Continuous service S1

CONSTRUCTION AND SAFETY STANDARDS
EN 60034-1
IEC 60034-1
CEI 2-3

CERTIFICATIONS

INSTALLATION AND USE
Suitable for use with clean water and liquids that are not chemically aggressive towards the materials from which the pump is made. The hydraulic characteristics of this pump, coupled with its compactness, make it suitable for use in the industrial applications. The pump should be installed in an enclosed environment, or at least sheltered from inclement weather.

PATENTS - TRADE MARKS - MODELS
- Motor bracket: patent n° IT1243605

OPTIONALS AVAILABLE ON REQUEST
- Special mechanical seal
- EN 10088-3 - 1.4401 (AISI 316) stainless steel motor shaft
- Other voltages or 60 Hz frequency

GUARANTEE
2 years subject to terms and conditions
CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz  n= 2900 1/min  HS= 0 m

MODEL POWER Q
Three-phase kW HP m³/h l/min
PQ 3000 2.2 3 0 0.6 0.9 1.2 1.5 1.8 2.1 2.4 2.7 3.0 0 10 15 20 25 30 35 40 45 50

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

Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3.
<table>
<thead>
<tr>
<th>POS.</th>
<th>COMPONENT</th>
<th>CONSTRUCTION CHARACTERISTICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>PUMP BODY</td>
<td>Cast iron, complete with threaded ports in compliance with ISO 228/1</td>
</tr>
<tr>
<td>2</td>
<td>BODY PLATE</td>
<td>Brass, with stainless steel shim disc</td>
</tr>
<tr>
<td>3</td>
<td>MOTOR BRACKET</td>
<td>Aluminium, with brass insert and stainless steel shim disc that reduces the risk of impeller seizure</td>
</tr>
<tr>
<td>4</td>
<td>IMPELLER</td>
<td>Bronze, with peripheral radial vanes</td>
</tr>
<tr>
<td>5</td>
<td>MOTOR SHAFT</td>
<td>Stainless steel EN 10088-3 - 1.4104</td>
</tr>
<tr>
<td>6</td>
<td>MECHANICAL SEAL</td>
<td>Materials</td>
</tr>
<tr>
<td></td>
<td>Seal Model</td>
<td>Diameter</td>
</tr>
<tr>
<td></td>
<td>FN-18 NU</td>
<td>Ø 18 mm</td>
</tr>
<tr>
<td>7</td>
<td>BEARINGS</td>
<td>6204 ZZ - C3 / 6204 ZZ - C3</td>
</tr>
<tr>
<td>8</td>
<td>ELECTRIC MOTOR</td>
<td>PQ 3000: three-phase 230/400 V - 50 Hz.</td>
</tr>
<tr>
<td></td>
<td>Pump fitted with the three-phase motor option offers IE2 (IEC 60034-30) class high performance</td>
<td></td>
</tr>
<tr>
<td></td>
<td>– Insulation:</td>
<td>H class.</td>
</tr>
<tr>
<td></td>
<td>– Protection:</td>
<td>IP X5.</td>
</tr>
</tbody>
</table>
DIMENSIONS AND WEIGHT

MODEL | PORTS | DIMENSIONS mm | kg
--- | --- | --- | ---
Three-phase | DN1 | DN2 | a | f | h | h1 | h2 | i | m | n | n1 | w | s
PQ 3000 | ¾" | ¾" | 34 | 329 | 212 | 142 | 38 | 180 | 65 | 100 | 164 | 125 | 97 | 9 | 18.8

BODY PLATE: brass, with stainless steel

ABSORPTION

MODEL | VOLTAGE (three-phase)
--- | --- | --- | ---
Three-phase | 230 V | 400 V | 240 V | 415 V
PQ 3000 | 11.5 A | 6.6 A | 10.8 A | 6.2 A

PALLETIZATION

MODEL | GROUPAGE | CONTAINER
--- | --- | --- | --- | ---
| n° pumps | H (mm) | kg | n° pumps | H (mm) | kg
PQ 3000 | 72 | 1840 | 1380 | 84 | 2114 | 1600