Technical specification

Submersible pump B 2400, 50 Hz
BIBO 2400

Product
Submersible pump for dewatering building yards, draining water in flooded areas, and other similar applications.

Denomination
Product code
2400.402
2400.591

Installation
S
MT, HT

Impeller characteristics

Process data
Liquid temperature
max +40 °C
The pH of the pumped liquid
pH 6 - 11
Liquid density
max. 1100 kg/m³
Strainer hole size
10 mm x 10 mm
max. 75 m

Motor data
Frequency
50 Hz
Insulation class
H (+180 °C)
Voltage variation
- continuously running
max ± 5%
- intermittent running
max ± 10%
Voltage imbalance between phases
max 2%
No. of starts/hour
max 30

Cable
Direct-on-line start
SUBCAB®

Y/D start
SUBCAB®
4G25+2x1,5 mm²
4G35+2x1,5 mm²

Monitoring equipment
Thermal contacts opening temperature
125 °C

Material
Impeller
Alloyed white cast iron
Wear parts
Nitrile rubber
Stator housing
Cast iron
Pump housing
Cast iron
Strainer
Galvanized steel
Shaft
Stainless steel
O-rings
Nitrile rubber

Mechanical face seals
Alternative
Inner seal
Outer seal
1
Corrosion resistant cemented carbide/
Corrosion resistant cemented carbide
Corrosion resistant cemented carbide/
Corrosion resistant cemented carbide

Surface Treatment

<table>
<thead>
<tr>
<th>Product code</th>
<th>Treatment</th>
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</thead>
<tbody>
<tr>
<td>2400.402</td>
<td>Finishing coating of oxiran ester paint in orange colour.</td>
</tr>
<tr>
<td>2400.591</td>
<td>Finishing coating of oxiran ester paint in black colour.</td>
</tr>
</tbody>
</table>

Weight
See dimensional drawing.

Approvals
2400.591 EN 50014, EN 50018, EEX de I,EEX de IIB T4

Option
Pump housing
Stainless steel

Impeller

<table>
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<tr>
<th>Alternative</th>
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<tr>
<td>1</td>
<td>Spheroidal graphite iron 1)</td>
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<tr>
<td>2</td>
<td>Stainless steel</td>
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</table>

1) Only HT

Stand
Other cables
Zinc anodes

Accessories
Adapters, hose connections and other mechanical accessories.
Electrical accessories such as pump controller, control panels, starters, monitoring relays, cables.
See separate booklet or www.flygt.com, for further information.
MT-Motor rating and performance curve

<table>
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<tr>
<th>Curve/Impeller No</th>
<th>Rated Power, kW</th>
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<th>Starting current, A</th>
<th>Power factor cos ( \phi )</th>
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Y/D starting current is approximately 1/3 of D starting current.

HT-Motor rating and performance curve

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Dimensional drawing

All drawings are available as Acrobat documents (.pdf) and AutoCad drawings (.dwg). Download the drawings from www.flygt.com or contact your ITT Flygt representative for more information.

All dimensions are in mm.

MT, S-installation

MT, S-installation