Technical specification
Flygt N 3085.183/092, 50 Hz
N 3085

Product
Submersible pump for pumping clean water, surface water and waste water containing solids or long-fibred material.

Denomination
Product code 3085.183
Installation P, S, T, Z, F
Impeller characteristic MT, SH

Process data
Liquid temperature max +40 °C
Depth of immersion max 20 m
The pH of the pumped liquid pH 5,5-14
Liquid density max. 1100 kg/m³

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®
4G1,5 mm²
4G1,5+2x1,5 mm²
4G2,5 mm²
4G2,5+2x1,5 mm²

Y/D start SUBCAB®
7G2,5 mm²

Monitoring equipment
Thermal contacts opening temp. 125 °C

Material
Impeller (curve 460, 461, 463 and 253-256) Cast iron
Impeller (curve 464, 465, 466) Hard-Iron™
Pump housing Cast iron
Stator housing Cast iron
Shaft Stainless steel
O-rings Nitrile rubber

Mechanical face seals

<table>
<thead>
<tr>
<th>Alternative</th>
<th>Inner seal</th>
<th>Outer seal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Carbon/ Aluminium oxide</td>
<td>Corrosion resistant tungsten carbide/</td>
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<tr>
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<td>Carbon/ Aluminium oxide</td>
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Surface Treatment
All cast parts are primed with a water-borne primer. The finishing coat is a high-solid two pack paint.

Weight
See dimensional drawing.

Option
3085.092 Ex. proof design
Warm liquid version on request
Leakage sensor in stator housing FLS
Leakage sensor in oil housing CLS
Surface treatment Epoxy treatment
Other cables
Zinc anodes

Accessories
Discharge connections, adapters, hose connections and other mechanical accessories.
Electrical accessories such as pump controller, control panels, starters.
See separate booklet or www.ittww.com, for further information.

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### MT-Motor rating and performance curve

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<tr>
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<th>Rated power, kW</th>
<th>Rated current, A</th>
<th>Starting current, A</th>
<th>Power factor cos φ</th>
<th>Ex-proof version available</th>
<th>Installation</th>
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<td>463</td>
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<td>3.6</td>
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### SH-Motor rating and performance curve

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**Graphs:**

- MT Motor performance curve
- SH Motor performance curve
Dimensional drawing

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

All dimensions are in mm.

MT, P-installation

MT, P-installation
MT, S-installation

MT, T-installation

MT, Z-installation

MT, F-installation
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