ST51

SUBMERSIBLE SUMP/EFFLUENT PUMP

 Built in the USA

Engineered, Assembled & Tested

Goulds Water Technology

a xylem brand
**APPLICATIONS**

Specially designed for the following uses:

- Basement Draining
- Dewatering
- Water Transfer
- Effluent Transfer

**SPECIFICATIONS**

**Pump - General:**

- Discharge: 1½" NPT
- Temperature: 104°F (40°C) maximum, continuous when fully submerged.
- Solids handling: ½" maximum sphere.
- Automatic models include a float switch.
- Pumping range: see performance chart or curve.

**ST51 Pump:**

- Maximum capacity: 61 GPM
- Maximum head: 29' TDH

**FEATURES**

- Corrosion resistant construction
- Cast iron body
- Thermoplastic impeller and cover
- Upper sleeve and lower heavy duty ball bearing construction.
- Motor is permanently lubricated for extended service life.
- Powered for continuous operation.
- All ratings are within the working limits of the motor.
- Power cord, 10' standard length, heavy duty 16/3 SJTW with 115 volt grounding plug and vertical switch.
- Complete unit is heavy duty, portable and compact.
- Mechanical seal is carbon, ceramic, BUNA and stainless steel.
- Stainless steel fasteners

**AGENCY LISTINGS**

Tested to UL 778 and CSA 22.2 108 Standards
By Canadian Standards Association
File #LR38549

**PERFORMANCE RATINGS**

<table>
<thead>
<tr>
<th>Total Head (feet of water)</th>
<th>GPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>60</td>
</tr>
<tr>
<td>15</td>
<td>47</td>
</tr>
<tr>
<td>20</td>
<td>33</td>
</tr>
<tr>
<td>25</td>
<td>16</td>
</tr>
</tbody>
</table>

**MOTOR**

**General:**

- Single phase
- 60 Hertz
- 115 volts
- Built-in thermal overload protection with automatic reset.
- Class B insulation
- Oil-filled design
- High strength carbon steel shaft

**ST51 Motor:**

- .50 HP, 3400 RPM
- 115 volts
- PSC design
Wastewater

**Goulds Water Technology**

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**TOTAL DYNAMIC HEAD**

<table>
<thead>
<tr>
<th>MODELS: ST51</th>
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<tbody>
<tr>
<td>HP: .50</td>
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</tbody>
</table>

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**PUMP INFORMATION**

<table>
<thead>
<tr>
<th>Order No.</th>
<th>HP</th>
<th>Phase</th>
<th>Volt</th>
<th>Amp Draw</th>
<th>RPM</th>
<th>Float Switch Style</th>
<th>Cord Length</th>
<th>Discharge Connection</th>
<th>Minimum Basin Diameter</th>
<th>Maximum Solids Size</th>
<th>Shipping Weight lbs/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST51AV</td>
<td>1/2</td>
<td>1</td>
<td>115</td>
<td>7.5</td>
<td>3450</td>
<td>Built-In Vertical</td>
<td>10'</td>
<td>1.5&quot;</td>
<td>18&quot;</td>
<td>.5&quot;</td>
<td>31</td>
</tr>
<tr>
<td>ST51PV</td>
<td>1/2</td>
<td>1</td>
<td>115</td>
<td>7.5</td>
<td>3450</td>
<td>Piggy-Back Vertical</td>
<td>10'</td>
<td>1.5&quot;</td>
<td>18&quot;</td>
<td>.5&quot;</td>
<td>31</td>
</tr>
<tr>
<td>ST51P1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Piggy-Back Wide Angle</td>
<td>10'</td>
<td>1.5&quot;</td>
<td>18&quot;</td>
<td>.5&quot;</td>
<td>31</td>
</tr>
</tbody>
</table>
DIMENSIONS
(All dimensions are in inches. Do not use for construction purposes.)

VERTICAL FLOAT SWITCH

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