ST51

SUBMERSIBLE SUMP/EFFLUENT PUMP
**APPLICATIONS**
Specially designed for the following uses:
- Basement Draining
- Dewatering
- Water Transfer
- Effluent Transfer

**SPECIFICATIONS**

**Pump - General:**
- Discharge: 1¼" 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

**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

**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>
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<tbody>
<tr>
<td>10</td>
<td>60</td>
</tr>
<tr>
<td>15</td>
<td>47</td>
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<td>20</td>
<td>33</td>
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<td>25</td>
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Wastewater

Models: ST51

HP: .50

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>½</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>
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<tr>
<td>ST51PV</td>
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<td></td>
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<td>Piggy-Back Vertical</td>
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DIMENSIONS
(All dimensions are in inches. Do not use for construction purposes.)

VERTICAL FLOAT SWITCH

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