ST31
SUBMERSIBLE SUMP/EFFLUENT PUMP
FEATURES
Corrosion-resistant construction
Cast iron body
Thermoplastic impeller and cover
Replaceable power cord
Bearing: Upper sleeve and lower heavy duty ball bearing construction.
Built-in Vent Hole: Prevents air-binding with no added labor.
Motor is permanently lubricated for extended service life and is powered for continuous operation. All ratings are within the working limits of the motor.
Complete unit is heavy duty, portable and compact.
Mechanical Seal: carbon/ceramic/Buna/stainless steel.
Stainless steel fasteners and stainless steel pipe plug.

APPLICATIONS
Specially designed for the following uses:
- Basement draining
- Water transfer
- Dewatering
- Effluent Transfer

SPECIFICATIONS
Pump:
- Discharge size: 1½” NPT
- Capacities: to 50 GPM.
- Maximum head: to 26 feet.
- Temperature: 104°F (40°C) maximum, continuous when completely submerged.
- Solids handling: ½” maximum sphere.
- Automatic models include a float switch.
- Manual model available.
- Pumping range: see performance chart or curve below.

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

PERFORMANCE RATINGS
ST31

<table>
<thead>
<tr>
<th>Total Head (feet of water)</th>
<th>GPM</th>
<th>GPH</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>50</td>
<td>3,000</td>
</tr>
<tr>
<td>10</td>
<td>40</td>
<td>2,340</td>
</tr>
<tr>
<td>15</td>
<td>28</td>
<td>1,680</td>
</tr>
<tr>
<td>20</td>
<td>15</td>
<td>900</td>
</tr>
</tbody>
</table>

MOTOR
- ST31: ½ HP, 115 V, 60 Hz, single phase, 3000 RPM, 12.0 amps maximum.
- Built-in thermal overload protection with automatic reset.
- Class B insulation
- Oil filled design
- High strength carbon steel shaft
- Power cord: Quick disconnect 10 foot standard length, heavy duty 16/3 SJTW with NEMA 5-15 P three prong grounding plug, 115V.
DIMENSIONS
(All dimensions are in inches. Do not use for construction purposes.)

VERTICAL FLOAT SWITCH

ADDITIONAL STRAINER AVAILABLE AS ACCESSORY
Part No. A2-STST
• Material of construction mineral filled TPO
• Snaps in place over pump suction
• Prevents pea gravel from entering pump