Series SP50

1/2" Spherical Solids Handling
Manual & Automatic, Submersible Sump /Effluent

**Sump Pumps**

**Discharge:** 1½” NPT, Female, Vertical

**Liquid Temperature:** 104°F (40°C) Continuous

**Motor Housing:** Cast Iron

**Pump Strainer:** Thermoplastic

**Impeller:**
- **Design:** 10 Vane vortex, with pump out vanes on back side. Balanced, ISO G6.3
- **Material:** Cast Iron

**Shaft:** Stainless Steel

**O-Rings:** Buna-N

**Hardware:** 300 Series Stainless Steel

**Paint:** Air Dry Enamel

**Seal:**
- **Design:** Single Mechanical, Type 21
- **Material:** Silicon Carbine/Silicon Carbine/Buna-N

**Motor Housing:** Cast Iron

**Impeller Material:** Cast Iron

**Shaft:** Stainless Steel

**O-Rings:** Buna-N

**HARDWARE:** 300 Series Stainless Steel

**Paint:** Air Dry Enamel

**Seal Design:** Single Mechanical, Type 21

**Seal Material:** Silicon Carbine/Silicon Carbine/Buna-N

**Hardware:** 300 Series Stainless

**Cord Entry:** 20 ft. (6m) Cord with plug and pressure Gromment for sealing and strain relief

**Upper Bearing:** Single Row, Ball, Oil Lubricated

**Lower Bearing:** Single Row, Ball, Oil Lubricated

**Motor:**
- **Design:** Oil Filled
- **Insulation:** Class B

**Single Phase:** Permanent Split Capacitor (PSC).

**Level Control:**
- **SP50X:** None
- **SP50AX:** Wide angle, Mechanical, 20 ft. (6m) cord
- **SP50VFX:** Vertical float, PVC, snap action, 20 ft (6m) cord

**Minimum Sump Dia:**
- **SP50AX:** 18" (457mm)
- **SP50X & SP50VXF:** 12" (305mm)

**Description:** General Purpose Pump for Residential and Light Industrial Sump Applications

**Series: SP50**

1/2HP, 3450RPM, 60Hz

**CSA 108**

**UL 778**

**LR16567**

Testing is performed with water specific gravity of 1.0 @ 68°F (20°C), other fluids may vary performance.
# Sump Pumps

## Series SP50

1/2" Spherical Solids Handling
Manual & Automatic, Submersible Sump / Effluent

## Important!

1. PUMP MAY BE OPERATED “DRY” FOR EXTENDED PERIODS WITHOUT DAMAGE TO MOTOR AND/OR SEALS.
2. THIS PUMP IS APPROPRIATE FOR THOSE APPLICATIONS SPECIFIED AS CLASS I DIVISION II HAZARDOUS LOCATIONS.
3. THIS PUMP IS NOT APPROPRIATE FOR THOSE APPLICATIONS SPECIFIED AS CLASS I DIVISION I HAZARDOUS LOCATIONS.
4. INSTALLATIONS SUCH AS DECORATIVE FOUNTAINS OR WATER FEATURES PROVIDED FOR VISUAL ENJOYMENT MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE ANSI/NFPA 70 AND/OR THE AUTHORITY HAVING JURISDICTION. THIS PUMP IS NOT INTENDED FOR USE IN SWIMMING POOLS, RECREATIONAL WATER PARKS, OR INSTALLATIONS IN WHICH HUMAN CONTACT WITH PUMPED MEDIA IS A COMMON OCCURRENCE.

## Model Specifications

<table>
<thead>
<tr>
<th>Model No</th>
<th>Part No</th>
<th>HP</th>
<th>VOLT/PH</th>
<th>Hz</th>
<th>RPM (Nom)</th>
<th>NEMA START CODE</th>
<th>Full Load Amps</th>
<th>Cord Length</th>
<th>Cord Size</th>
<th>Cord Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP50X</td>
<td>112875</td>
<td>1/2</td>
<td>120/1</td>
<td>60</td>
<td>3450</td>
<td>A</td>
<td>6.8</td>
<td>20 ft. (6m)</td>
<td>14/3</td>
<td>SJTOW</td>
</tr>
<tr>
<td>SP50AX</td>
<td>112877</td>
<td>1/2</td>
<td>120/1</td>
<td>60</td>
<td>3450</td>
<td>A</td>
<td>6.8</td>
<td>20 ft. (6m)</td>
<td>14/3</td>
<td>SJTOW</td>
</tr>
<tr>
<td>SP50VFX</td>
<td>112879</td>
<td>1/2</td>
<td>120/1</td>
<td>60</td>
<td>3450</td>
<td>A</td>
<td>6.8</td>
<td>20 ft. (6m)</td>
<td>14/3</td>
<td>SJTOW</td>
</tr>
</tbody>
</table>