**Series 3SE-L**

**1½", 2" & 3" Discharge**

**DISCHARGE** ................................... 3" NPT, Female, Vertical

**LIQUID TEMPERATURE** .......................... 104°F (40°C) Continuous

**VOLUTE** .............................................. Cast Iron ASTM, Class 25

**MOTOR HOUSING** .................................. Cast Iron ASTM, Class 30

**SEAL PLATE** ......................................... Cast Iron ASTM, Class 30

**IMPELLER:**  
- **Design:** 2 Vane, Semi-open with pump out vanes on back side. Dynamically balanced, ISO G6.3
- **Material:** Cast Iron, Class 25

**SHAFT** ............................................. 416 Stainless Steel

**SQUARE RINGS** ................................. Buna-N

**HARDWARE** ....................................... 300 Series Stainless Steel

**PAINT** ............................................... Air Dry Enamel

**SEAL:**  
- **Design:** Single Mechanical, Oil filled reservoir
- **Material:** Carbon/Ceramic/Buna-N

**CORD ENTRY** ...................................... 30 ft. (9.1m) Cord. Quick connect custom molded for sealing and stain relief.

**SPEED** .............................................. 3450 RPM (Nominal)

**UPPER BEARING:**  
- 1.5 & 2.0HP .......... Single Row, Ball, Oil lubricated
  - **Load:** Radial

**LOWER BEARING** ................................. Single Row, Ball, Oil lubricated
  - **Load:** Radial & Thrust

**MOTOR:**  
- **Design:** NEMA L - Single Phase, NEMA B - Three phase Torque Curve, Oil Filled, Squirrel Cage Induction
- **Insulation:** Class B for 1.5 & 2.0HP, Class F on selected models

**SINGLE PHASE** .................................... Permanent Split Capacitor (PSC)  
Includes Overload Protection in Motor

**THREE PHASE** ...................................... 200-230/460 is Tri-Voltage, 575.  
Requires overload Protection to be included in control panel

**OPTIONAL EQUIPMENT** .......................... Seal Material, Impeller Trims, Additional cord, Normally Closed Temperature Sensors with cord for 3 phase pumps ( Requires relay in control panel).

**RECOMMENDED:**  
- **Accessories:** Break Away Fitting (BAF)
- **Check Valve**
- **Control Panel**

**Seal Kit PN ..............** 130181  
**Service Kit PN ........** 130208

---

**WARNING:**  
CANCER AND REPRODUCTIVE HARM - WWW.P65WARNINGS.CA.GOV
**IMPORTANT!**

1.) PUMP MAY BE OPERATED “DRY” FOR EXTENDED PERIODS WITHOUT DAMAGE TO MOTOR AND/OR SEALS.

2.) 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.
Series 3SE-L
Performance Curve
1.5 & 2.0HP, 3450RPM, 60Hz

1½", 2" & 3" Discharge

<table>
<thead>
<tr>
<th>TOTAL METERS</th>
<th>HEAD FEET</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>100</td>
</tr>
<tr>
<td>25</td>
<td>80</td>
</tr>
<tr>
<td>20</td>
<td>60</td>
</tr>
<tr>
<td>15</td>
<td>40</td>
</tr>
<tr>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

Testing is performed with water, specific gravity 1.0 @ 68º F @ (20ºC), other fluids may vary performance