Series 3SEV-L
2" Spherical Solids Handling
Vortex, Single Seal

3" Discharge

DISCHARGE ........................................ 3" NPT, Female, Vertical, Bolt-on Flange
LIQUID TEMPERATURE ......................... 104°F (40°C) Continuous
VOLUTE .............................................. Cast Iron ASTM A-48, Class 30
MOTOR HOUSING ........................................ Cast Iron ASTM A-48, Class 30
SEAL PLATE ........................................... Cast Iron ASTM A-48, Class 30
IMPELLER:  
  Design ............................................. Vortex, open, with pump out vanes on back side. Dynamically balanced, ISO G6.3
  Material ............................................. Cast Iron ASTM A-48, Class 30
SHAFT .................................................. 416 Stainless Steel
SQUARE RINGS .................................... Buna-N
HARDWARE .......................................... 300 Series Stainless Steel
PAINT .................................................. Air Dry Enamel
SEAL:  
  Design ............................................. Single Mechanical
  Material ............................................. Carbon/Ceramic/Buna-N
  Hardware -300 Series Stainless
CORD ENTRY .......................................... 30 ft. (9.1m) Cord with plug on 120 volt & .5HP, 240 volt, 1 phase. Quick connect custom molded for sealing and strain relief
SPEED ................................................. 1750 & 3450 RPM (Nominal)
UPPER BEARING .................................... 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
  Class F on selected models
SINGLE PHASE ....................................... Permanent Split Capacitor (PSC)
  Includes Overload Protection in Motor
THREE PHASE ....................................... 200-240/480 is Tri-Voltage. 600V.
  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 .......................... 130180
  Service Kit PN.............. 130207

DESCRIPTION:
SUBMERSIBLE NON-CLOG SEWAGE PUMP DESIGNED FOR TYPICAL RAW SEWAGE APPLICATIONS

WARNING:  
CANCER AND REPRODUCTIVE HARM - WWW.P65WARNINGS.CA.GOV
### Series 3SEV-L

**2" Spherical Solids Handling**  
**Vortex, Single Seal**  

**3" Discharge**

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**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.**

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**Table of Models and 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>INSUL. CLASS</th>
<th>FULL LOAD AMPS</th>
<th>LOCKED ROTOR AMPS</th>
<th>CORD SIZE</th>
<th>CORD TYPE</th>
<th>CORD O.D inch (mm)</th>
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</table>

OPTIONAL - Temperature sensor cord for 3 phase models is 14/3 SOW, 0.530 (13.5mm) O.D.

(*) Pump is CSA listed ONLY

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**Diagram showing dimensions of the pump.**

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**Contact Information:**

USA: (937) 778-8947 • Canada: (905) 457-6223 • International: (937) 615-3598
Series 3SEV-L
Performance Curve
0.5, 0.75 & 1.0HP, 1750RPM, 60Hz

3" Discharge

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

U.S. GALLONS PER MINUTE
LITERS PER SECOND

TOTAL METERS
HEAD FEET

STANDARD IMPELLER SIZES
Pump HP
Impeller Dia.
0.75 6.00 (152)
1.00 6.75 (172)

Service Factor: 1.85

(*) These curves for .5HP ONLY

Service Factor: 1.85
Series 3SEV-L
Performance Curve
0.5, 0.75 & 1.0HP, 3450RPM, 60Hz

1½", 2" & 3" Discharge

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