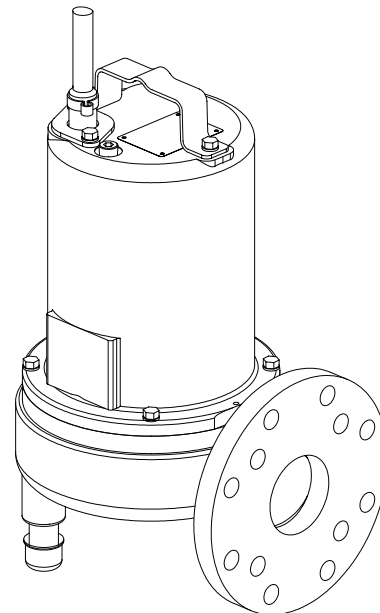


4" Horizontal Discharge - Submersible Non-Clog Pumps

DISCHARGE	3" & 4" 125lb., Flange Horizontal
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:	
<i>Design</i>	2 Vane, Open with pump out vanes on back side, Dynamically Balanced, ISO G6.3
<i>Material</i>	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:	
<i>Design</i>	Single Mechanical
<i>Material</i>	Carbon/Ceramic/Buna-N
	Hardware - 300 Series Stainless
CORD ENTRY	30 ft. (9.1m) Quick Disconnect Cord with plug On 120Volt, Custom Molded for sealing and strain relief
SPEED	1750 RPM (Nominal)
UPPER BEARING	Single Row, Ball, Oil Lubricated
<i>Load</i>	Radial
LOWER BEARING	Single Row, Ball, Oil Lubricated
<i>Load</i>	Radial & Thrust
MOTOR:	
<i>Design</i>	NEMA L- Single Phase, NEMA B - Three Phase Torque Curve, Oil Filled, Squirrel Cage Induction
<i>Insulation</i>	Class B
SINGLE PHASE	Permanent Split Capacitor (PSC) Includes Overload Protection in Motor
THREE PHASE	200-240/480 is Tri Voltage motor. 600V Requires Overload Protection to be included in Control Panel
OPTIONAL EQUIPMENT	Seal Material, Impeller Trims, Additional Cord, Normally Closed (N/C) Temperature Sensor with cord for 3 phase pumps (Requires relay in control panel).
RECOMMENDED:	
<i>Accessories</i>	Break Away Fitting (BAF) Check Valve Control Panel
<i>Seal Kit PN</i>	130180
<i>Service Kit PN</i>	130207



Series: SE .9, 1.4 & 1.9HP 1750RPM, 60Hz



Sample Specifications: Section 1 Page 12.

DESCRIPTION:

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

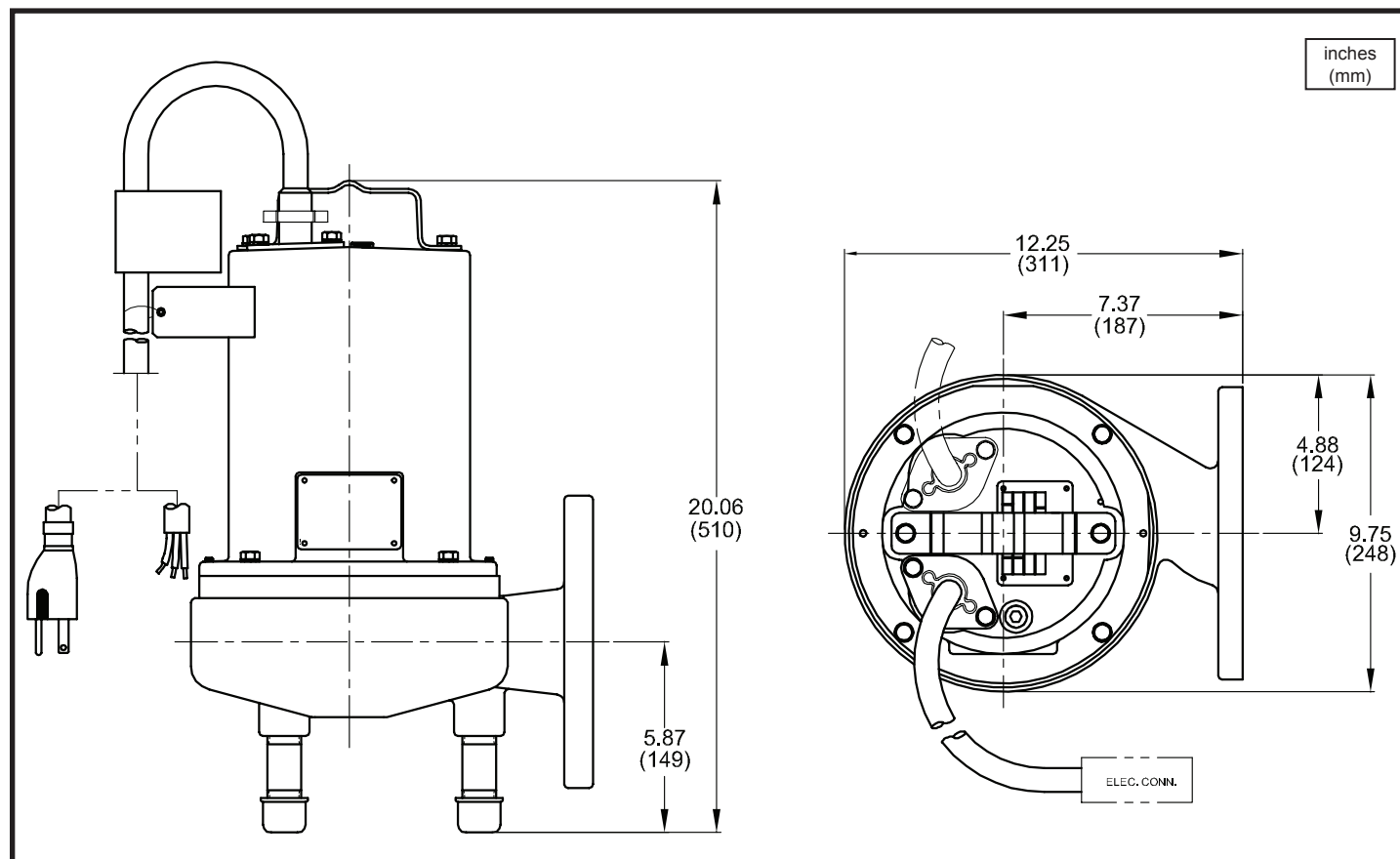
Series 4SE-L

2" Spherical Solids Handling

BARNES®

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4" Horizontal Discharge - Submersible Non-Clog Pumps



MODEL NO	PART NO	HP	VOLT/PH	Hz	RPM (Nom)	NEMA START CODE	FULL LOAD AMPS	LOCKED ROTOR AMPS	CORD SIZE	CORD TYPE	CORD O.D inch (mm)
4SE914L	105014	0.9	120/1	60	1750	A	11.6	21.3	14/3	SJTOW	0.373 (9.5)
4SE924L	105015	0.9	240/1	60	1750	C	5.9	14.9	14/3	SOW	0.530 (13.5)
4SE994L	105016	0.9	200-240/3	60	1750	C/F	3.2/3.0	9.8/11.0	14/4	SOW	0.570 (14.5)
4SE944L	105017	0.9	480/3	60	1750	E	1.5	5.3	14/4	SOW	0.570 (14.5)
4SE954L	105018	0.9	600/3	60	1750	C	1.0	3.4	14/4	SOW	0.570 (14.5)
4SE1474L	105024	1.4	200-240/1	60	1750	A/D	7.4/7.0	21.5/25.8	14/3	SOW	0.530 (13.5)
4SE1494L	105025	1.4	200-240/3	60	1750	B/E	4.8/4.5	13.7/15.4	14/4	SOW	0.570 (14.5)
4SE1444L	105026	1.4	480/3	60	1750	E	2.2	7.7	14/4	SOW	0.570 (14.5)
4SE1454L	105027	1.4	600/3	60	1750	F	1.5	7.2	14/4	SOW	0.570 (14.5)
4SE1974L	105032	1.9	200-240/1	60	1750	A/B	8.8/8.3	21.5/25.8	14/3	SOW	0.530 (13.5)
4SE1994L	105033	1.9	200-240/3	60	1750	A/B	5.3/5.1	13.7/15.4	14/4	SOW	0.570 (14.5)
4SE1944L	105034	1.9	480/3	60	1750	B	2.5	7.7	14/4	SOW	0.570 (14.5)
4SE1954L	105035	1.9	600/3	60	1750	C	1.9	7.2	14/4	SOW	0.570 (14.5)

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

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.

SECTION 1D
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A Crane Co. Company

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4" Horizontal Discharge - Submersible Non-Clog Pumps

