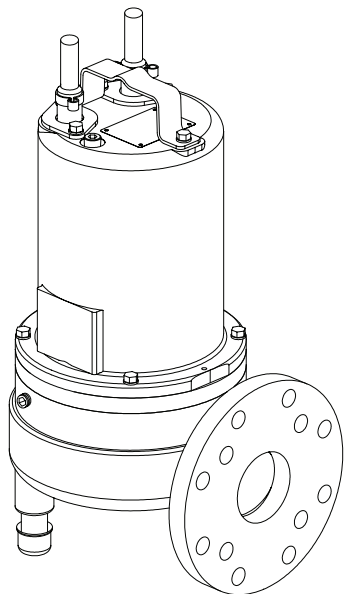


2" Spherical Solids Handling Double Seal



www.cranepumps.com

4" Horizontal Discharge - Submersible Non-Clog Pumps



Series: 4SE-DS
0.9, 1.4 & 1.9HP,
1750RPM, 60Hz



Sample Specifications: Section 1 Page 13.

DESCRIPTION:

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

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:

Design.....2 Vane, Open with pump out vanes on back side, Dynamically Balanced, ISO G6.3

Material Cast Iron ASTM A-48, Class 30

SHAFT416 Stainless Steel

SQUARE RINGSBuna-N

HARDWARE 300 Series Stainless Steel

PAINT Air Dry Enamel

SEAL: Design Tandem Mechanical, Oil filled reservoir

Material 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

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

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 EQUIPMENTSeal Material, Impeller Trims, Additional Cord, Normally Closed (N/C) Temperature Sensor with cord for 3 phase pumps (Requires relay in control panel). Normally Open (N/O) Moisture Sensor with cord for DS pumps (Requires relay in control panel).

RECOMMENDED:

Accessories.....Break Away Fitting (BAF)

Check Valve

Control Panel

Seal Kit PN 130176

Service Kit PN.130172

SECTION 1D
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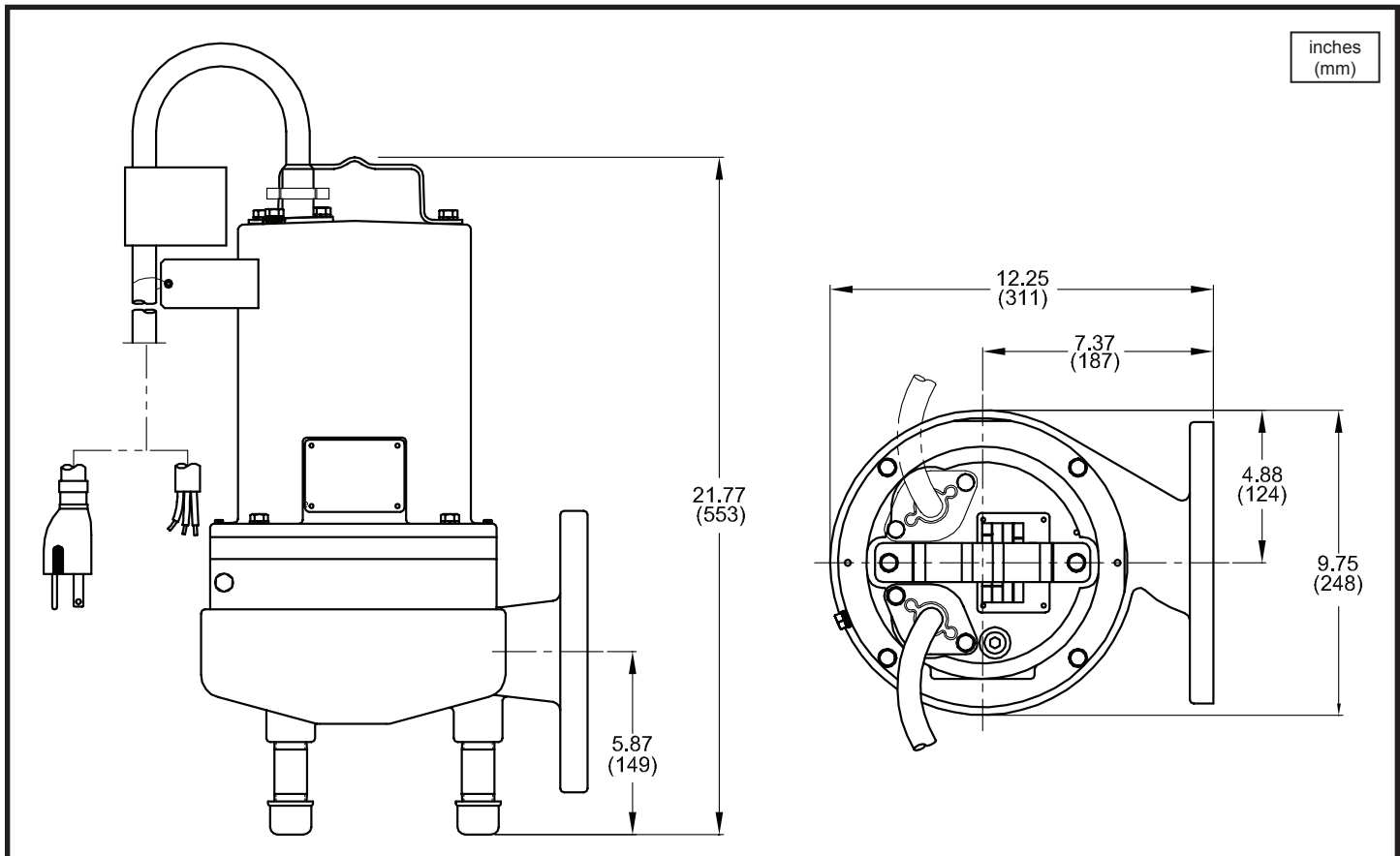
CRANE

A Crane Co. Company

PUMPS & SYSTEMS

USA: (937) 778-8947 • Canada: (905) 457-6223 • International: (937) 615-3598

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)
4SE914DS	105019	0.9	120/1	60	1750	A	11.6	21.3	14/3	SJTOW	0.373 (9.5)
4SE924DS	105020	0.9	240/1	60	1750	C	5.9	14.9	14/3	SOW	0.530 (13.5)
4SE994DS	105021	0.9	200-240/3	60	1750	C/F	3.2/3.0	9.8/11.0	14/4	SOW	0.570 (14.5)
4SE944DS	105022	0.9	480/3	60	1750	E	1.5	5.3	14/4	SOW	0.570 (14.5)
4SE954DS	105023	0.9	600/3	60	1750	C	1.0	3.4	14/4	SOW	0.570 (14.5)
4SE1474DS	105028	1.4	200-240/1	60	1750	A/D	7.4/7.0	21.5/25.8	14/3	SOW	0.530 (13.5)
4SE1494DS	105029	1.4	200-240/3	60	1750	B/E	4.8/4.5	13.7/15.4	14/4	SOW	0.570 (14.5)
4SE1444DS	105030	1.4	480/3	60	1750	E	2.2	7.7	14/4	SOW	0.570 (14.5)
4SE1454DS	105031	1.4	600/3	60	1750	F	1.5	7.2	14/4	SOW	0.570 (14.5)
4SE1974DS	105036	1.9	200-240/1	60	1750	A/B	8.8/8.3	21.5/25.8	14/3	SOW	0.530 (13.5)
4SE1994DS	105037	1.9	200-240/3	60	1750	A/B	5.3/5.1	13.7/15.4	14/4	SOW	0.570 (14.5)
4SE1944DS	105038	1.9	480/3	60	1750	B	2.5	7.7	14/4	SOW	0.570 (14.5)
4SE1954DS	105039	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.

OPTIONAL - Moisture sensor cord is 18/5 SOW, 0.470 (12mm) O.D.

OPTIONAL - Moisture & Temperature sensor cord for 3 phase models is 18/5 SOW, 0.470 (12mm) O.D.

IMPORTANT !

- PUMP MAY BE OPERATED "DRY" FOR EXTENDED PERIODS WITHOUT DAMAGE TO MOTOR AND/OR SEALS.
- 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 4SE-DS

Performance Curve
0.9, 1.4 & 1.9HP, 1750RPM, 60Hz

4" Horizontal Discharge - Submersible Non-Clog Pumps

