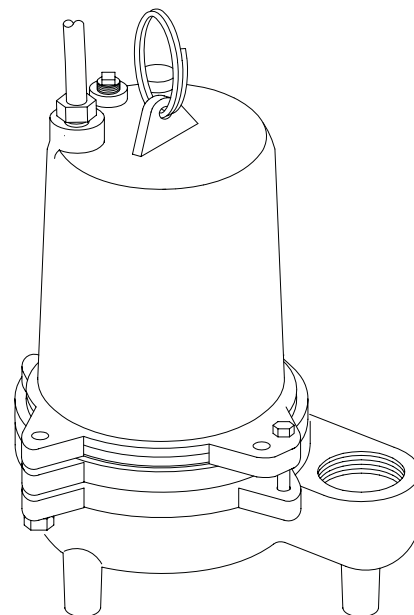


DISCHARGE2" NPT, Female, Vertical
LIQUID TEMPERATURE
 SE41177°F (25°C) Continuous
 SE421104°F (40°C) Continuous
VOLUTECast Iron ASTM A-48, Class 30
MOTOR HOUSINGCast Iron ASTM A-48, Class 30
SEAL PLATECast Iron ASTM A-48, Class 30
IMPELLER:
 Design.....2 Vane, Open with pump out vanes on back
 side, Dynamically Balanced, ISO G6.3
 MaterialCast Iron ASTM A-48, Class 30
SHAFT416 Stainless Steel
SQUARE RINGSBuna-N
HARDWARE300 Series Stainless Steel
PAINTAir Dry Enamel
SEAL: *Design*Single Mechanical, Oil Filled Reservoir,
 Secondary Exclusion Seal
 MaterialCarbon/Ceramic/Buna-N
 Hardware - 300 Series Stainless
CORD ENTRY15 ft. (5m) Quick Disconnect Cord with plug
 On 115Volt, Pressure Grommet for sealing
 and strain relief
SPEED1750 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 Torque Curve, Oil Filled, Squirrel
 Cage Induction
 InsulationClass B
SINGLE PHASE.....Permanent Split Capacitor (PSC)
 Includes Overload Protection in Motor
LEVEL CONTROL**"A"** - Wide Angle, PVC, Mechanical, 15 ft (5m)
 cord with Piggy-Back Plug, N/O
 "VF" - Vertical Float, PVC, Snap Action,
 15 ft (5m) cord, with Piggy-Back plug.
 OFF point ONLY is adjustable
OPTIONAL EQUIPMENTSeal Material, Additional Cord



Series: SE (SE411 & SE421)
.4HP, 1750RPM, 60Hz



Sample Specifications: Section 1 Page 3.

DESCRIPTION:

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

Series SE

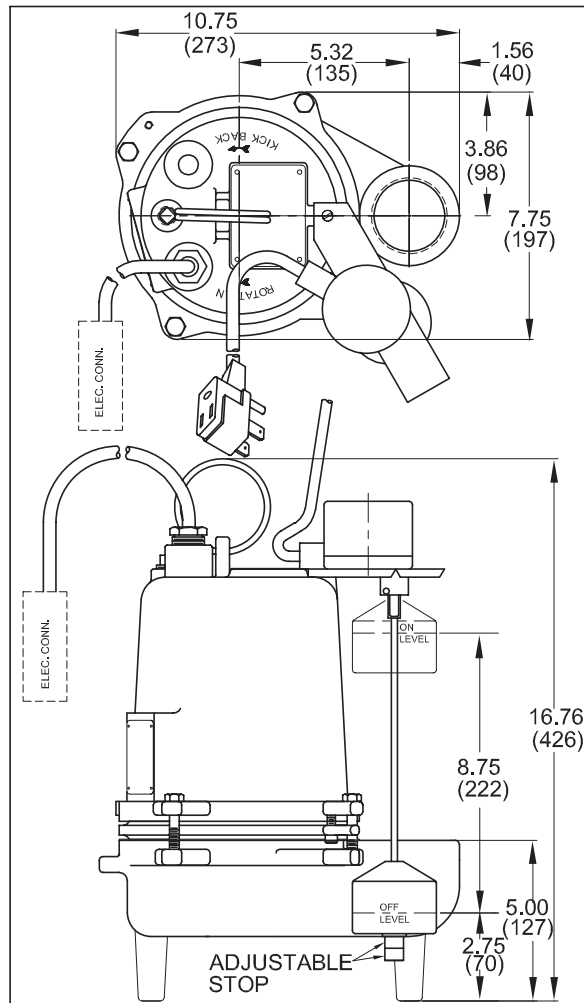
2" Spherical Solids Handling
Manual & Automatic

BARNES®

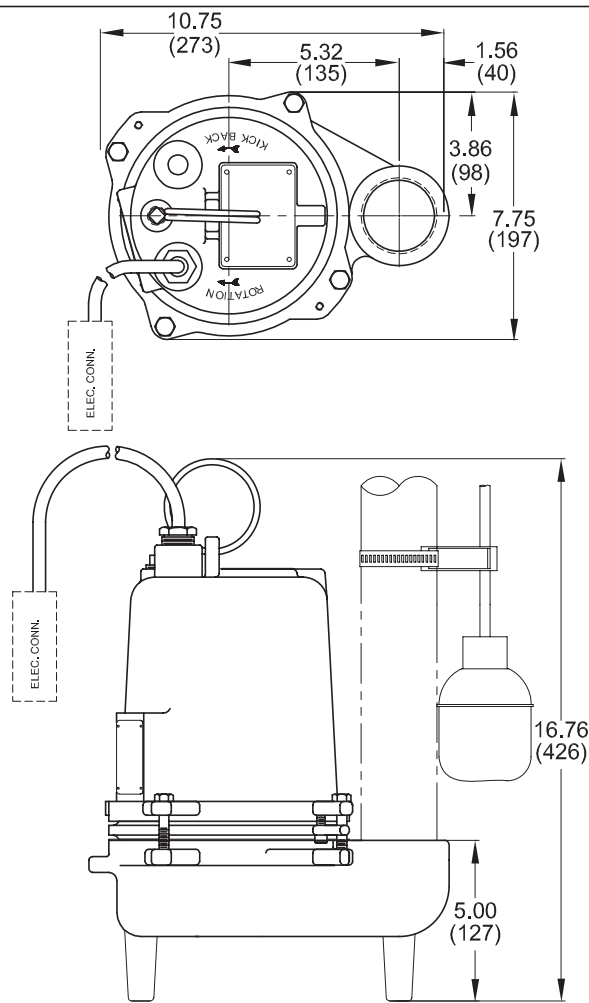
www.cranepumps.com

1½", 2" & 3" Discharge

SE411VF



**SE411 & SE421 (Less Float)
SE411A**



inches
(mm)

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)
SE411	096747	0.4	115/1	60	1750	C	12.0	19.0	14/3	SJTOW	0.375 (9.5)
SE411A	096748	0.4	115/1	60	1750	C	12.0	19.0	14/3	SJTOW	0.375 (9.5)
SE411VF	100836	0.4	115/1	60	1750	C	12.0	19.0	14/3	SJTOW	0.375 (9.5)
SE421	096750	0.4	230/1	60	1750	C	6.2	13.0	14/3	SJTOW	0.375 (9.5)

Mechanical Switch on SE-A, cord 16/2, SJOW, Piggy-Back Plug
Vertical Switch on SE-VF, cord 16/2, SJOW, 0.320 (8.1mm) O.D. Piggy-Back Plug

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.

SECTION 1B
PAGE 2
DATE 12/07

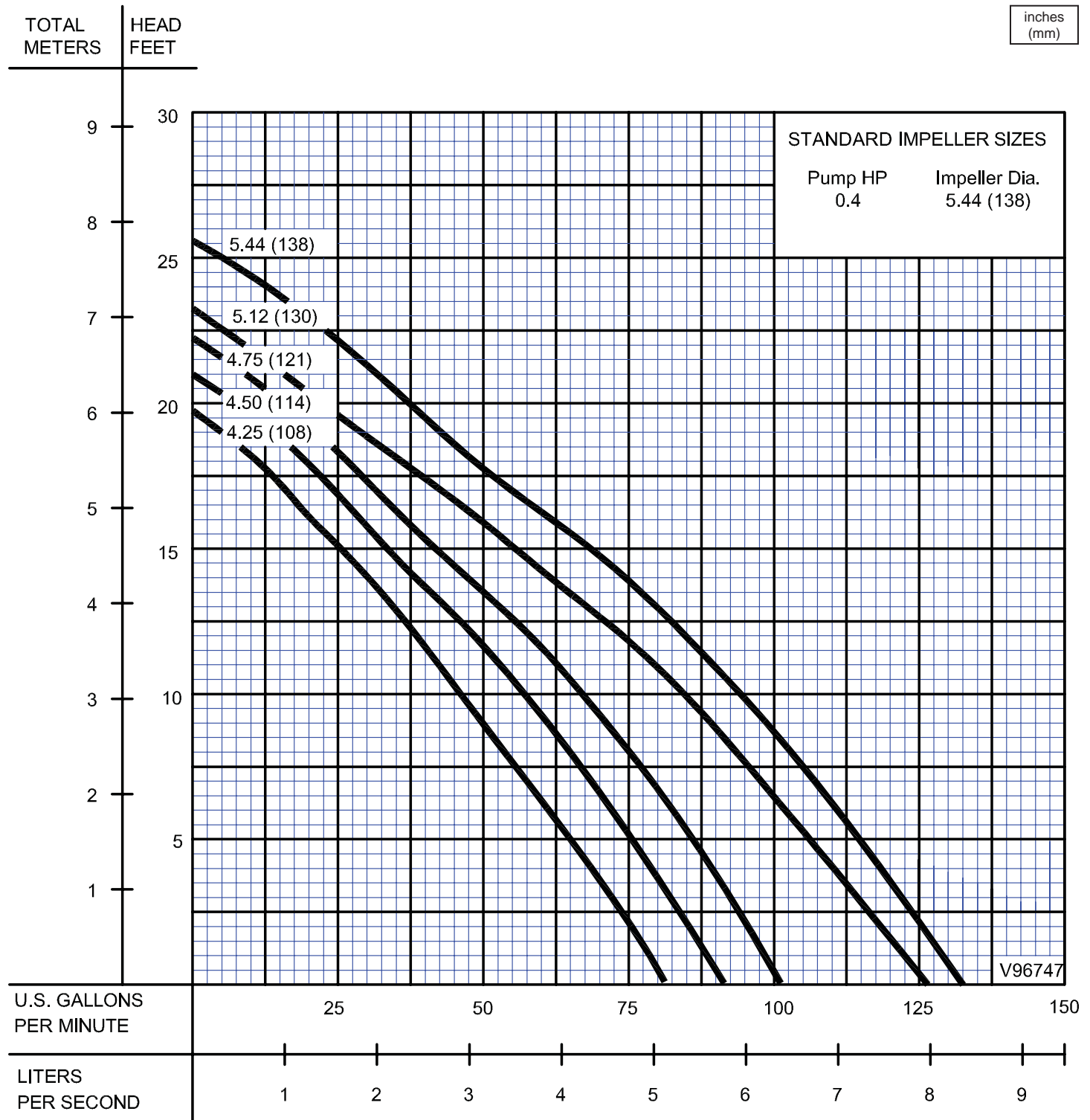
CRANE®

A Crane Co. Company

PUMPS & SYSTEMS

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

1½", 2" & 3" Discharge



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