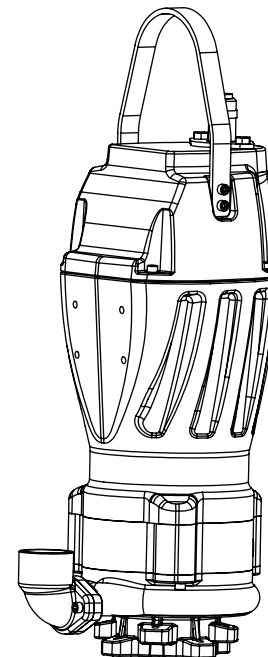


Submersible Grinder Pumps

Specifications:

DISCHARGE	1¼" NPT, 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: <i>Design</i>	12 Vane, Vortex, With Pump Out Vanes On Back Side. Dynamically Balanced, ISO G6.3.
<i>Material</i>	Cast Iron
CUTTLE PLATE	Hardened 440C Stainless Steel Rockwell® C-55.
CUTTER	Hardened 440C Stainless Steel, Rockwell® C-55.
SHAFT	416 Stainless Steel
O-RING	Buna-N
HARDWARE	300 Series Stainless Steel
PAINT	Powder Coat
SEAL: <i>Design</i>	Tandem Mechanical, Oil Filled Reservoir.
<i>Material</i>	Rotating Faces - Silicon-Carbide Stationary Faces - Silicon-Carbide Elastomer - Buna-N Hardware - 300 Series Stainless
CORD ENTRY	30 ft. (9.1 m) Std. Cord. Custom Molded Quick Connect, for Sealing and Strain Relief
CORD	CSA/UL Approved 12/4 Type SOW.
UPPER BEARING:	
<i>Design</i>	Single Row, Ball, Oil Lubricated
<i>Load</i>	Radial
LOWER BEARING:	
<i>Design</i>	Single Row, Ball, Oil Lubricated
<i>Load</i>	Radial & Thrust
MOTOR: <i>Design</i>	NEMA L-Single Phase, (ZSGV2072L, includes overload protection in the motor). NEMA B-Three Phase Torque Curve. Oil-Filled, Squirrel Cage Induction
<i>Insulation</i>	Class F
SINGLE PHASE	Capacitor Start/Capacitor Run. Includes overload protection in the motor. Requires Barnes® Starter or Control Panel which Includes Capacitors, or Capacitor pack.
THREE PHASE	Dual Voltage 240/480; Requires Overload Protection to be Included in control panel.
OPTIONAL EQUIPMENT	Impeller Trims, Cord Length. Moisture Sensors, Moveable Fitting, Leg Kit
RECOMMENDED:	
<i>Accessories</i>	Break Away Fitting (BAF) Check Valve Control Panel



Series: ZSGV
2HP, 3450RPM, 60Hz

RAZOR

Sample Specifications: Section 3 Page 8.

DESCRIPTION:

THE GRINDER PUMP IS DESIGNED TO REDUCE DOMESTIC, COMMERCIAL, INSTITUTIONAL AND LIGHT INDUSTRIAL SEWAGE TO A FINELY GROUND SLURRY.



WARNING:

CANCER AND REPRODUCTIVE HARM -
WWW.P65WARNINGS.CA.GOV



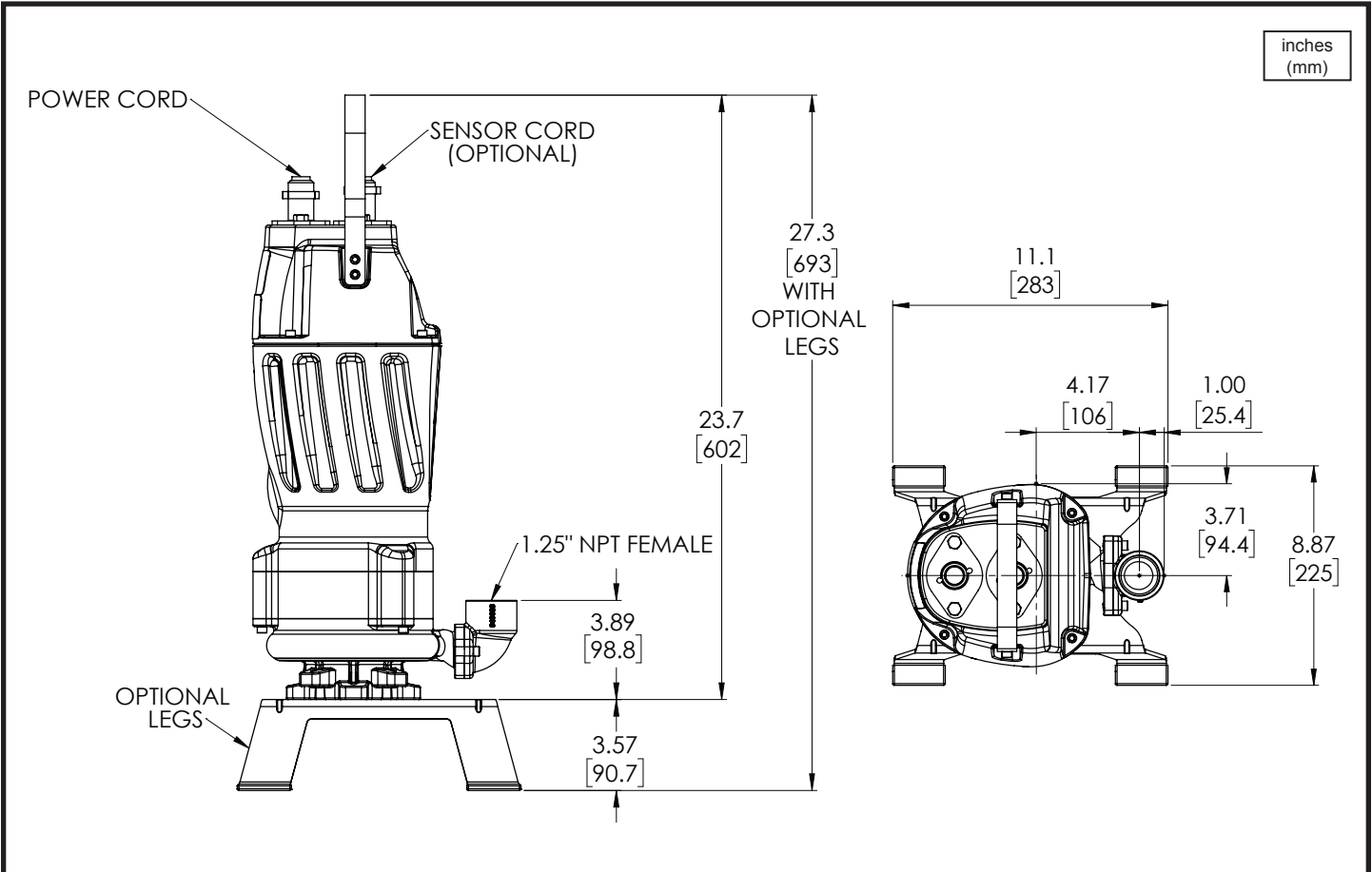
Series ZSGV

Recessed Vortex



www.cranepumps.com

Submersible Grinder 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. ± .02 (.5) in (mm)
ZSGV2072L	145349	2	208-240	1/60	3450	H	17.5-15.0	53.8	12/4	SOW	.67(17.0)
ZSGV2092L	145353	2	208-240	3/60	3450	J	8.5-8.2	43.9	12/4	SOW	.67(17.0)
ZSGV2042L	145480	2	480	3/60	3450	J	4.6	22.0	12/4	SOW	.67(17.0)
ZSGV2052L	145481	2	600	3/60	3450	J	3.6	14.5	12/4	SOW	.67(17.0)

Optional - Temperature sensor cord for all models is 14/3 SOW, 0.55 (14mm) ± .02 (.51mm) O.D.
(Not used on ZSGV2072L).
Optional - Moisture and Temperature sensor cord for all models is 18/5 SOW, 0.49 (12.4mm) ± .02 (.51mm) O.D., replaces Temperature sensor cord.

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.

Submersible Grinder Pumps

