

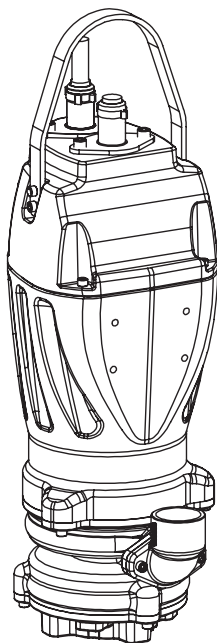
Series ZOGP

Recessed Vortex

BARNES®

www.cranepumps.com

Submersible Grinder Pumps



Series: ZOGP 2HP, 3450RPM, 60Hz RAZOR

Sample Specifications: Section 3 Page 10.

This product may be covered by one or more of the following patents and other patent(s) pending:
Patent Pending

DESCRIPTION:

THE GRINDER PUMP IS DESIGNED TO REDUCE DOMESTIC SEWAGE TO A FINELY GROUND SLURRY.



WARNING:

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

Specifications:

DISCHARGE	1 1/4" NPT
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
IMPELLERS: <i>Design</i>	12 Vane, Vortex, With Pump Out Vanes On Back Side. Dynamically Balanced, ISO G6.3.
<i>Material</i>	85-5-5-5 Bronze
CUTTER PLATE	Hardened 440C Stainless Steel Rockwell® C-55.
CUTTER	Hardened 440C Stainless Steel, Rockwell® C-55.
SHAFT	416 Stainless Steel
SQUARE RINGS	Buna-N
HARDWARE	300 Series Stainless Steel
PAINT	Powder Coat
SEAL: <i>Design</i>	Single Mechanical
<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 <i>Manual</i>	CSA/UL Approved, 12/4 Type SOW
UPPER BEARING:	
<i>Design</i>	Single Row, Ball
<i>Lubrication</i>	Oil
<i>Load</i>	Radial & Thrust
LOWER BEARING:	
<i>Design</i>	Single Row, Ball
<i>Lubrication</i>	Oil
<i>Load</i>	Radial & Thrust
MOTOR: <i>Design</i>	NEMA L-Single Phase Torque Curve, Oil-Filled, Squirrel Cage Induction (includes overload protection in the motor), NEMA B Three Phase Torque Curve.
<i>Insulation</i>	Class F
SINGLE PHASE	Capacitor Start/Capacitor Run.
THREE PHASE	Tri-Voltage 208-240/480, requires overload protection to be included in control panel.
OPTIONAL EQUIPMENT	Cord Length, Moveable Fitting
RECOMMENDED:	
<i>Accessories</i>	Break Away Fitting (BAF) Check Valve Control Panel



SECTION 3B
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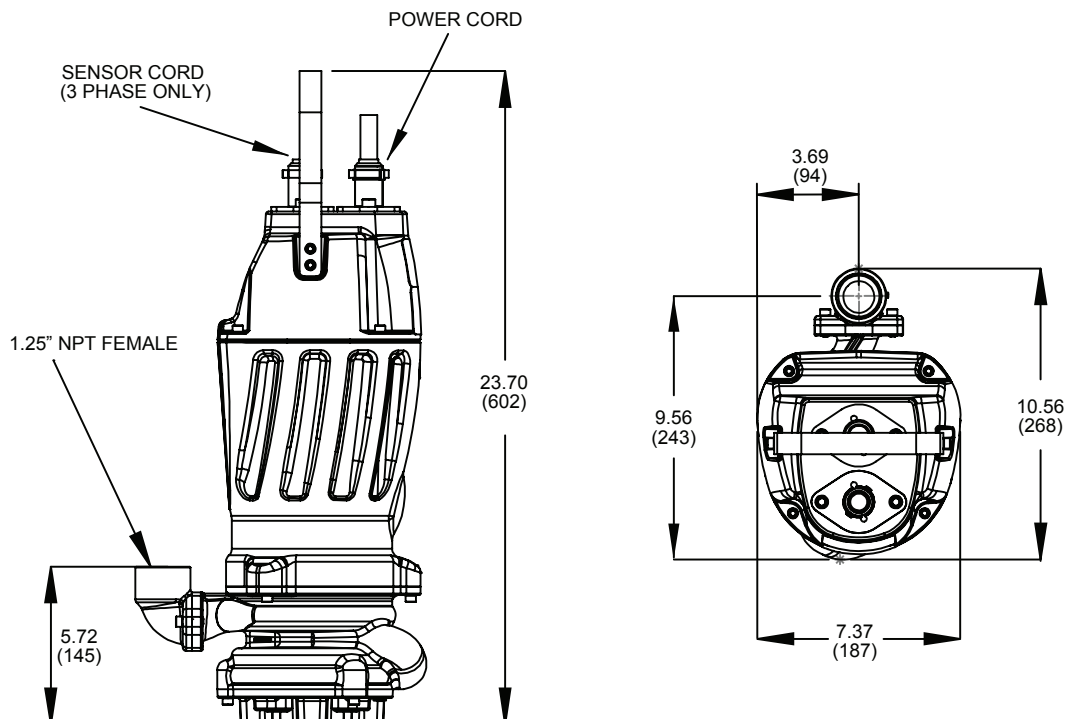
CRANE®

A Crane Co. Company

PUMPS & SYSTEMS

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

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)
ZOGP2072L	145027	2	208-240	1/60	3450	H	17.5-15.0	53.8	12/3	SOW	.61(15.5)
ZOGP2092L	145472	2	208-240	3/60	3450	H	8.5-8.2	43.9	12/4	SOW	.67(17.0)
ZOGP2042L	145473	2	480	3/60	3450	H	4.6	22.0	12/4	SOW	.67(17.0)

FOR 3 PHASE MODELS: TEMPERATURE SENSOR CORD IS 14/3 SOW, 0.55 (14MM) ± .02 (.51MM) 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.

Series ZOGP

Performance Curve
2HP, 3450RPM, 60Hz, High-Flow



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