

Liberty Pumps®

50Hz

LSGX200-E Series

**2-Stage
Submersible
Grinder Pump**

Omnivore[™] X2
2-Stage Grinders
By Liberty Pumps

1.5 kW
1-1/4" NPT (~32mm)
Discharge

Features:

- V-Slice® cutter technology
- One-piece uni-body casting
- Dual Stainless steel impellers
 - 300-Series SS rotor shaft
 - Clog-free volute design
- Upper and lower ball bearings
 - Dual seals
- Heavy-duty oil-filled motor

Flanged connecting elbow
(sold separately)
Includes gasket and stainless
mounting bolts

Model	Thread Type
G90	1-1/4" NPT (~32mm)
G90-BSP	1-1/4" BSP (~32mm)



Patent: See
www.libertypumps.com/patents

innovate. evolve.



Omnivore® LSGX200-E Series Grinder

2-Stage High Head Grinder Pump

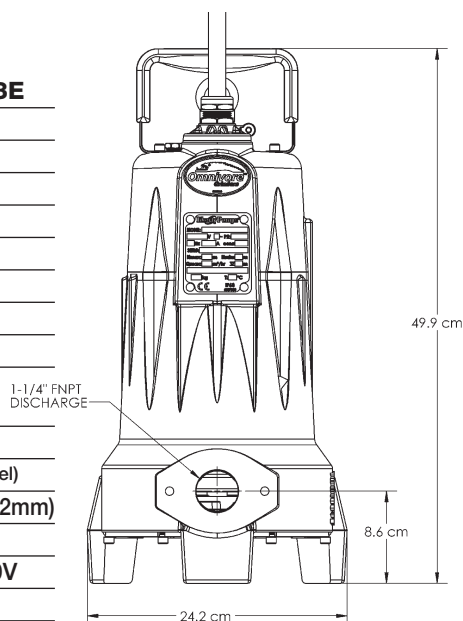
Omnivore® 2-stage grinders provide economical, environmentally friendly solutions for multi-unit pressure sewers. With a unique design utilizing twin stainless steel impellers, the LSGX200-E series provides higher pressure over our single stage units. This unique 2-stage design, combined with proven V-Slice® cutter technology provides unmatched performance over a wide range of pumping heads.

Specifications

Feature	LSGX202M-3E	LSGX203M-3E	LSGX204M-3E
Motor	Submersible	Submersible	Submersible
kW	1.5	1.5	1.5
Phase	1	3	3
Voltage	230	230	400
Hz	50	50	50
RPM	2875	2875	2875
Amps	11.4	7.0	4.0
Locked Rotor Amps	48	68	32
Max Fluid Temp. (Continuous)	40° C	40° C	40° C
Motor Insulation	Class B	Class B	Class B
Thermally Protected	Yes	No (requires panel)	No (requires panel)
Discharge Size	1.25" FNPT (~32mm)	1.25" FNPT (~32mm)	1.25" FNPT (~32mm)
Cutter Style	V-Slice®	V-Slice®	V-Slice®
Power Cord	HO7RN-F 700V	HO7RN-F 700V	HO7RN-F 700V
Cord Length	10 m	10 m	10 m
Weight	40.0 kg	40.0 kg	40.0 kg
Certification	CE CSA NSF/ANSI 46	CE	CE

CISPR 14 for all models

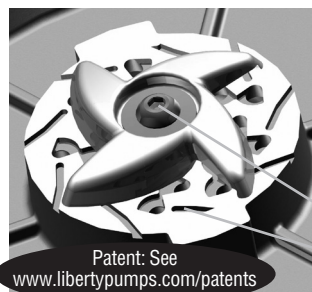
All Models IP68 rated.



Materials

Handle	Stainless steel with rubber over-mold grip
Oil	ISO VG10
Motor Housing	Cast iron Class 25
Volute Housing	Cast iron Class 25
Rotor Shaft	300-series stainless steel
Seal Upper	Silicon carbide/Silicon carbide
Seal Lower	*Viton double lip
Cutter Plate	440 Stainless steel hardened to Rockwell 58c
Cutter Blade	440 Stainless steel hardened to Rockwell 58c
Impellers (2)	300-series stainless steel
Upper Bearing	Single row ball
Lower Bearing	Single row ball (angular contact)
Fasteners	300-series stainless steel (all)
Lift out Clasp	300-series stainless steel
Exterior coating	Powder coated – all cast iron parts

*Viton is a Registered trade mark of Dupont Dow Elastomers LLC.



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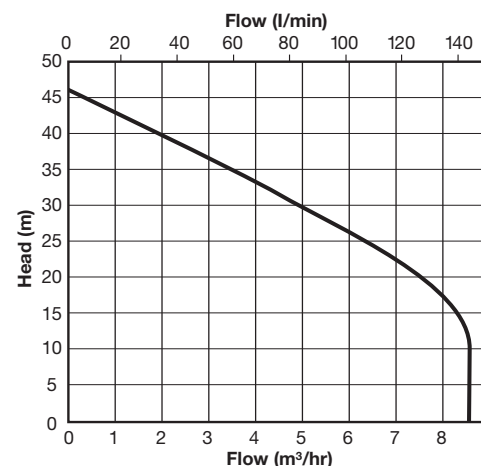
V-Slice® Technology

Superior cutting system provides improved shredding performance over radial cutters. V-pattern provides up to 108 alternated cuts per revolution. Entire cutting system made of 440 stainless steel hardened to 58Rc.

Recessed cutter bolt eliminates wadding

Exclusion cleanout slots and back relief clears debris from under cutter

Performance Curve 50 Hz



GR20-Guide Rail Base



- Cast iron construction
- Single 1-1/4" (~32mm) rail design
- Auto alignment feature
- Includes upper rail support bracket, pump claw and base
- Available with BSP threads

GR20 option sold separately

Specifications subject to change without notice.