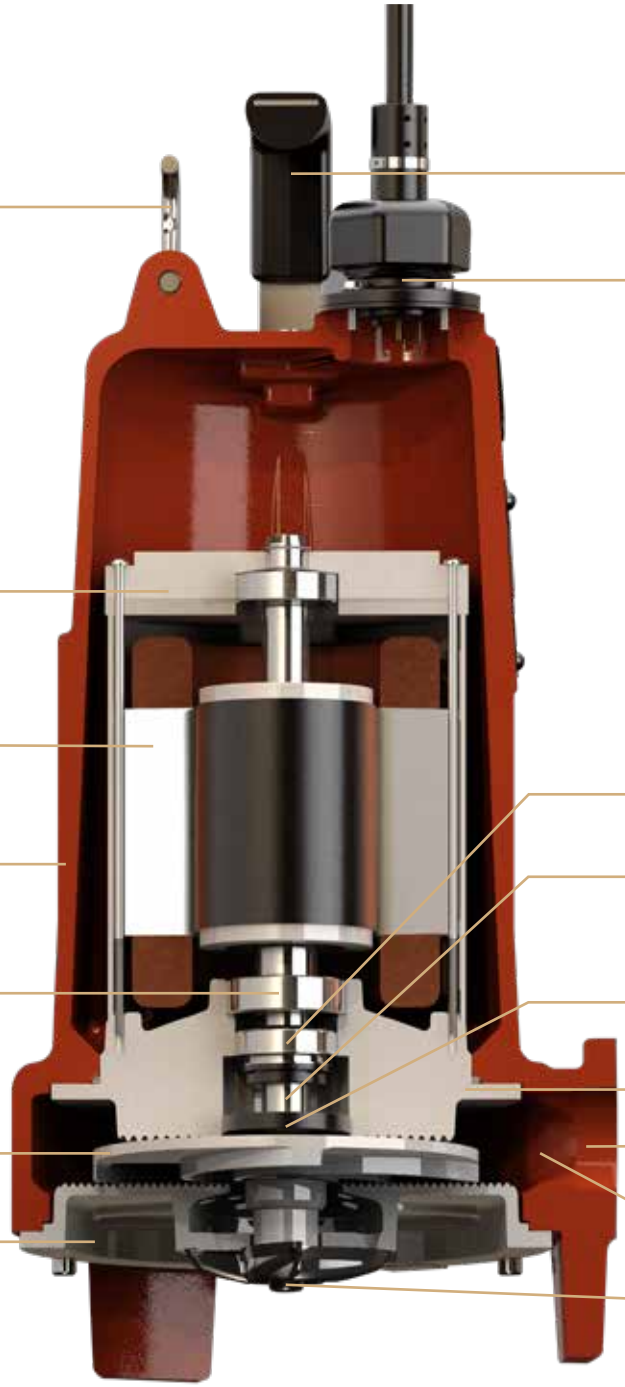
Technical Data

LGV02/LGH02-Series - 60 Hz

LGV High Volume



Stainless steel shackle for lift-out chain

Large stainless steel handle with rubber grip

Quick-connect power cord

Thermal overload (single-phase only)

2.5 hp motor

Unique one-piece unibody casting

Angular contact ball bearing

316 stainless steel impeller

440 SS cutter plate spiraled for solids clearing

Silicon carbide upper mechanical seal

300 Series stainless steel rotor shaft

Viton® double-lip lower seal

Robust motor plate

1-1/4" NPT discharge

Improved clog-free volute design

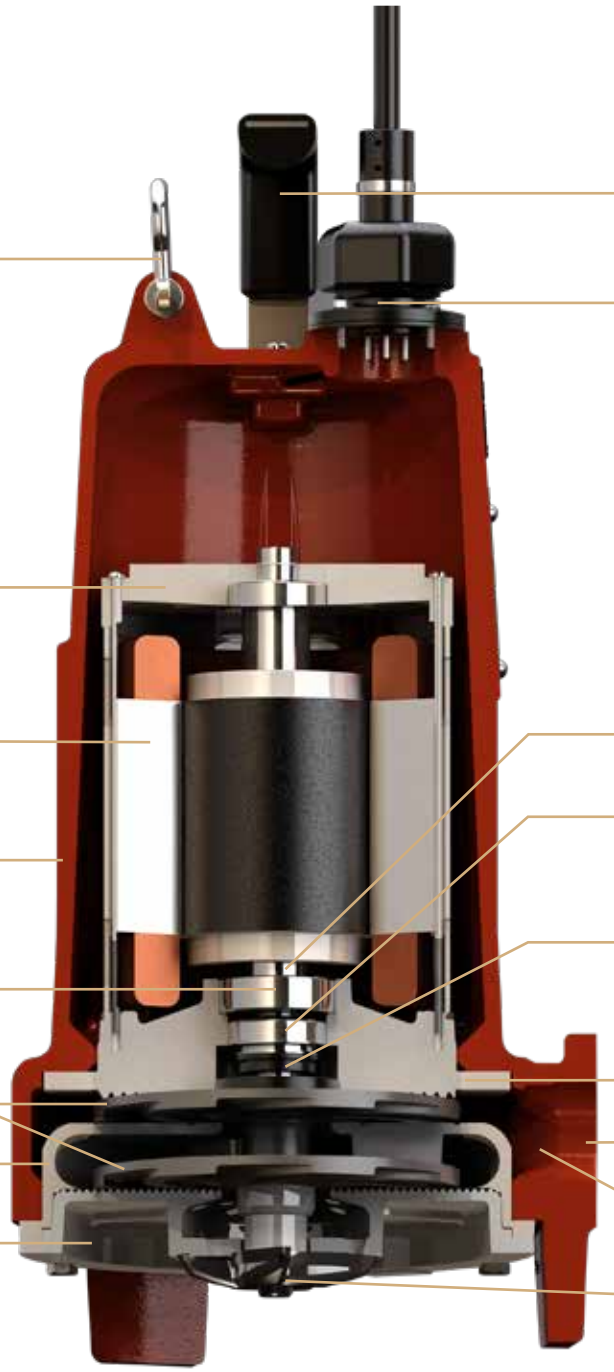
440 stainless steel rotary cutter hardened to 58Rc

Patent: See
www.LibertyPumps.com/LEP/patents

Technical Data

LGV02/LGH02-Series - 60 Hz

LGH High Head



Stainless steel shackle for lift-out chain

Large stainless steel handle with rubber grip

Quick-connect power cord

Thermal overload (single-phase only)

2.5 hp motor

Unique one-piece unibody casting

Angular contact ball bearing

316 stainless impellers

Stainless steel crossover plate

440 stainless steel cutter plate spiraled for solids clearing

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Improved clog-free volute design

440 stainless steel rotary cutter hardened to 58Rc

Patent: See
www.LibertyPumps.com/LEP/patents

Liberty Pumps®
Engineered Products

Technical Data

LGV02/LGH02-Series - 60 Hz

Model Number	LGH028	LGH022	LGH023	LGH024	LGH025	LGV028	LGV022	LGV023	LGV024	LGV025
HP	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Volts	200	230	200/230*	460	575	200	230	200/230*	460	575
Phase	1**	1**	3	3	3	1**	1**	3	3	3
Hz	60	60	60	60	60	60	60	60	60	60
RPM	3450	3450	3450	3450	3450	3450	3450	3450	3450	3450
FLA	20	20	13.7	6.9	5.5	18.5	17	12.5	6.5	5
SFA	20	20	13.7	6.9	5.5	18.5	17	12.5	6.5	5
LRA	71.2	70	59.2	27.3	24	66.1	70	59.2	27.3	24
Max kW Input	3.9	4	4.3	4.3	4.3	3.3	3.7	3.5	3.4	3.4
Service Factor	1	1	1	1	1	1	1	1	1	1
Power Factor	.99	.99	.84	.82	.84	.99	.99	.89	.77	.76
KVA Code	G	H	L	L	P	G	H	L	L	P
Std. Impeller Diameter (in)	5.86	5.86	5.86	5.86	5.86	5.95	5.95	5.95	5.95	5.95
Shut-Off Head (ft)	185	185	185	185	185	110	110	110	110	110
Power Cord Type & Diameter	12/4 SOOW	12/4 SOOW	12/4 SOOW	12/4 SOOW	12/4 SOOW	12/4 SOOW	12/4 SOOW	12/4 SOOW	12/4 SOOW	12/4 SOOW

** System voltages: 208 and 240 volts with utilization voltages: 200 and 230 volts.*

*** Single-phase motors require capacitors. Liberty Pumps control panel and capacitor kits are recommended for proper operation and warranty. Refer to "Control Panel" section.*

Motor Insulation Class	1-phase - F 155°C 3-phase - B 130°C
Impeller Type	Open
Impeller Material	316 Stainless Steel
Power Cord Length (Options)	25, 35, 50 ft
Quick-connect Cords	Standard
Upper Seal Material	Silicon Carbide/Silicon Carbide HNBR Elastomers
Lower Seal Material	Double Lip Seal Viton® Elastomers
Max Water Temp for Continuous Duty	40°C
Min Fluid Level for Continuous Operation	Motor Housing Fully Submerged
Fluid pH Range	4–10
Shaft Material	303 Stainless Steel
Fastener Material	Stainless Steel
O-Ring Elastomers	Buna-N
Upper Bearing	Radial Ball

Lower Bearing	Angular Contact Ball
Oil Type	ISO® VG10 Turbine Oil
Max Submersion Depth	10 ft less than selected cord length (not to exceed 40 ft)
Discharge	1.25 in FNPT
Protective External Finish	Powder Coat
Seal Fail Detection	No
Thermal Protection	1-phase - Direct Acting, 135°C 3-phase - none
Motor Enclosure Material	Class 25 Cast Iron
Volute Material	Class 25 Cast Iron
Cuts Per Minute	372,600
Cutter Material	440 Stainless Steel
Pump Weight	87 lbs (approx)
Certifications	CSA Certified to CSA and UL® Standards CAN/CSA C22.2 No. 108-14 ANSI/UL 778 6th Ed

Specifications are subject to change without notice.

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