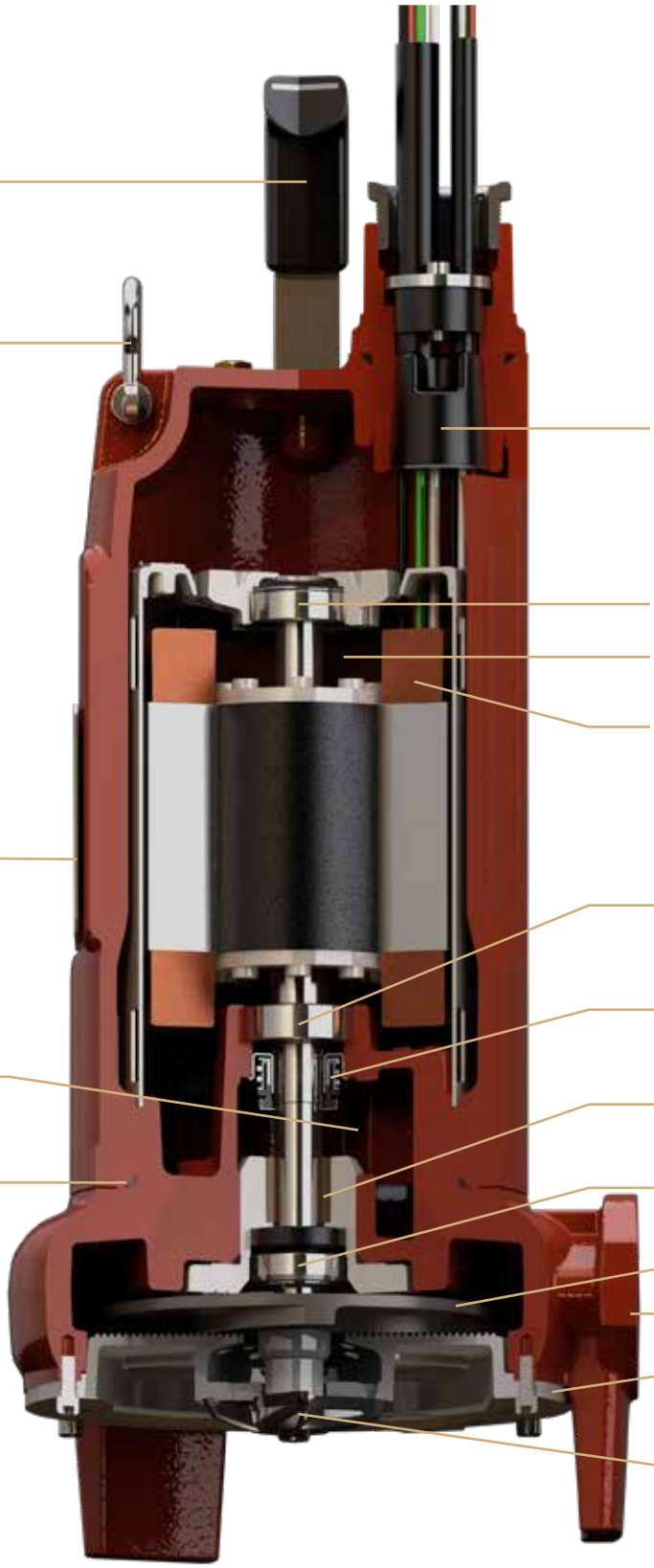
Technical Data

XLGV02/XLGH02-Series - 60 Hz

LGV High Volume



Heavy-duty stainless steel handle with rubber grip

Stainless steel lifting shackle

Permanent epoxy cord seal prevents wicking

Radial contact ball bearing

Oil-filled motor chamber cools motor and lubricates bearings

Class F insulation

Heavy-duty Class 30 cast iron motor housing

Angular contact ball bearing

Silicon carbide upper mechanical seal

Seal leak sensor

Bronze shaft bushing

Buna-N O-rings seal all joints

Silicon carbide lower mechanical seal

316 stainless steel impellers

1-1/4" FNPT connection

440 stainless steel cutter plate spiraled for solids clearing

440 stainless steel rotary cutter hardened to 58Rc

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

Technical Data

XLGV02/XLGH02-Series - 60 Hz

LGH High Head



Heavy-duty stainless steel handle with rubber grip

Stainless steel lifting shackle

Permanent epoxy cord seal prevents wicking

Radial contact ball bearing

Oil-filled motor chamber cools motor and lubricates bearings

Class F insulation

Heavy-duty Class 30 cast iron motor housing

Angular contact ball bearing

Silicon carbide upper mechanical seal

Seal leak sensor

Bronze shaft bushing

Silicon carbide lower mechanical seal

Buna-N O-rings seal all joints

316 stainless steel impellers

1-1/4" FNPT connection

Stainless steel crossover plate

440 stainless steel cutter plate spiraled for solids clearing

440 stainless steel rotary cutter hardened to 58Rc

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

Liberty Pumps
Engineered Products

Technical Data

XLGV02/XLGH02-Series - 60 Hz

Model Number	XLGH028	XLGH022	XLGH023	XLGH024	XLGH025	XLGV028	XLGV022	XLGV023	XLGV024	XLGV025
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	5.2
SFA	20	20	13.7	6.9	5.5	18.5	17	12.5	6.5	5.2
LRA	66.5	64.3	39.2	19.6	16.3	66.5	64.3	39.2	19.6	16.3
Max kW Input	4.2	4.2	4.1	4.1	4.4	3.2	3.6	3.6	3.5	4.6
Service Factor	1	1	1	1	1	1	1	1	1	1
Power Factor (%)	99	97	82	81	83	99	99	77	73	78
KVA Code	G	H	L	L	L	G	H	L	L	L
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	F 155°C
Impeller Type	Open
Impeller Material	316 Stainless Steel
Power Cord Length (Options)	25, 35, 50 ft
Upper Seal Material	Silicon Carbide/Silicon Carbide HNBR Elastomers
Lower Seal Material	Silicon Carbide/Silicon Carbide 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	23 ft
Discharge	1.25 in FNPT
Protective External Finish	Powder Coat
Seal Fail Detection	Yes
Thermal Protection	1-phase - Direct Acting, 135°C 3-phase - Thermostat, 120°C
Hazardous Location T-Code	T4
Motor Enclosure Material	Class 30 Cast Iron
Volute Material	Class 30 Cast Iron
Cuts Per Minute	372,600
Cutter Material	440 Stainless Steel
Pump Weight	127 lbs (approx)
Certifications	CSA Certified to CSA, UL® and FM Standards CAN/CSA - C22.2 No. 145-11 UL 674 5th Ed FM 3615:2016 Class 1, Div. 1, Group C and D, T4 Class 1, Zone 1, Group IIA, IIB, T4

Specifications are subject to change without notice.

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