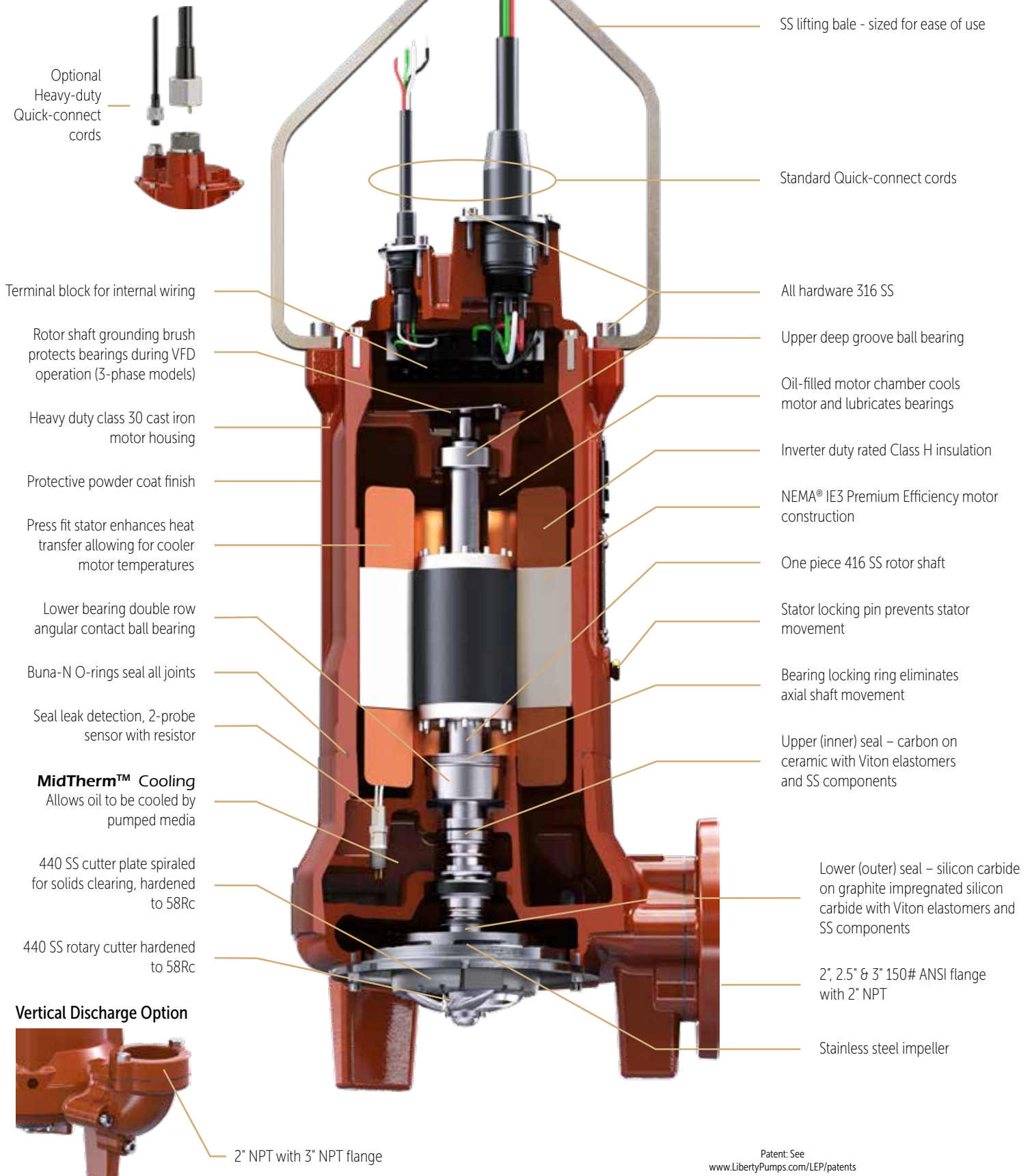


LGV03/LGH03-Series - 60 Hz



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

Model Number	LGH032A	LGH033A	LGH034A	LGH035A	LGV032A	LGV033A	LGV034A	LGV035A
HP	3	3	3	3	3	3	3	3
Volts	230	200/230*	460	575	230	200/230*	460	575
Phase	1**	3	3	3	1**	3	3	3
Hz	60	60	60	60	60	60	60	60
RPM	3450	3450	3450	3450	3450	3450	3450	3450
FLA	24	16/13.8	6.8	5.3	21.5	14.4/12.5	6.5	4.6
LRA	125	119	59	39	125	119	59	39
Max kW Input	5.4	5.2	5.2	4.9	4.7	4.6	4.7	4.2
NEMA Code	—	A	A	A	—	A	A	A
Service Factor	1	1	1	1	1	1	1	1
Power Factor (%)	99	94	94	93	98	93	92	92
KVA Code	F	M	M	K	F	M	M	K
Std Impeller Diameter (in)	5.4	5.4	5.4	5.4	4.5	4.5	4.5	4.5
Shut-Off Head w/Std Impeller (ft)	97	97	97	97	62	62	62	62
Min Head w/Std Impeller (ft)	20	20	20	20	10	10	10	10
Max Flow @ Min Head (GPM)	120	120	120	120	180	180	180	180
Power Cord Type & Diameter	Type W, 1 in	SOOW, 0.72 in	SOOW, 0.72 in	SOOW, 0.72 in	SOOW, 0.72 in	SOOW, 0.72 in	SOOW, 0.72 in	SOOW, 0.72 in

* System voltages: 208 and 240 volts with utilization voltages: 200 and 230 volts. These pumps are able to be rewired to 460 volts in the field.

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

Motor Insulation Class	H 180°C
Impeller Type	Semi-Open
Impeller Material	Stainless Steel
Control Cord Type & Diameter	18/5 SOOW, 0.375 in
Power Cord Length (Options)	35, 50, 100 ft
Standard Quick-connect Cords	Standard
Heavy-duty Quick-connect Cords	Optional
Upper (Inner) Seal Material	Carbon - Rotating Ceramic - Stationary Viton Elastomers
Lower (Outer) Seal Material	Silicon Carbide - Rotating Graphite Impregnated Silicon Carbide - Stationary 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
Starts Per Hour	30
Shaft Material	416 Stainless Steel
Fastener Material	316 Stainless Steel
O-Ring Elastomers	Buna-N

Upper Bearing	Single Row Deep Groove
Lower Bearing	Double Row Angular Contact
Oil Type	ISO VG10 Turbine Oil
Max Submersion Depth	75 ft
Discharge (Std)	Horizontal, 2 in, 2.5 in & 3 in 150# ANSI with 2 in NPT
Discharge (Optional)	Vertical, 2 in & 3 in NPT
Protective External Finish	Epoxy Powder Coat
Seal Fail Detection	Dual Probe - 2 Wire with Resistor 200K ohm Resistance
Thermal Protection	1-phase - 2 Hermetically Sealed Thermostats 3-phase - 3 Hermetically Sealed Thermostats 125°C Opening Temperature 105°C Closing Temperature 3A @ 120VAC, 1A @ 240 VAC
Volute Material	Class 30 Cast Iron
Pump Weight	270 lbs
Cuts Per Minute	Over 400,000
Cutter Material	Hardened 440 Stainless Steel
Certifications	CSA Certified to CSA and UL® Standards CAN/CSA C22.2 No. 108-14 ANSI/UL 778 6th Ed