



Model Number	LGH052A	LGH053A	LGH054A	LGH055A	LGV052A	LGV053A	LGV054A	LGV055A
HP	5	5	5	5	5	5	5	5
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	37	24/21	11	8	33	20/17.5	9	7
LRA	125	119	59	39	125	119	59	39
Max kW Input	8.5	8.2	8.1	7.7	7.1	6.7	6.7	6.4
NEMA Code	–	A	A	A	–	A	A	A
Service Factor	1	1	1	1	1	1	1	1
Power Factor (%)	100	95	94	95	100	96	94	94
KVA Code	F	M	M	K	F	M	M	K
Std Impeller Diameter (in)	6.6	6.6	6.6	6.6	5.4	5.4	5.4	5.4
Shut-Off Head w/Std Impeller (ft)	140	140	140	140	97	97	97	97
Min Head w/Std Impeller (ft)	20	20	20	20	10	10	10	10
Max Flow @ Min Head (GPM)	120	120	120	120	230	230	230	230
Power Cord Type & Diameter	Type W, 1 in	SOOW, 0.72 in	SOOW, 0.72 in	SOOW, 0.72 in	Type W, 1 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	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	280 lbs (approx)
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

Specifications are subject to change without notice.