



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.

<b>Motor Insulation Class</b>	H 180°C
<b>Impeller Type</b>	Semi-Open
<b>Impeller Material</b>	Stainless Steel
<b>Control Cord Type &amp; Diameter</b>	18/5 SOOW, 0.375 in
<b>Power Cord Length (Options)</b>	35, 50, 100 ft
<b>Standard Quick-connect Cords</b>	Standard
<b>Heavy-duty Quick-connect Cords</b>	Optional
<b>Upper (Inner) Seal Material</b>	Carbon - Rotating Ceramic - Stationary Viton Elastomers
<b>Lower (Outer) Seal Material</b>	Silicon Carbide - Rotating Graphite Impregnated Silicon Carbide - Stationary Viton Elastomers
<b>Max Water Temp for Continuous Duty</b>	40°C
<b>Min Fluid Level for Continuous Operation</b>	Motor Housing Fully Submerged
<b>Fluid pH Range</b>	4–10
<b>Starts Per Hour</b>	30
<b>Shaft Material</b>	416 Stainless Steel
<b>Fastener Material</b>	316 Stainless Steel
<b>O-Ring Elastomers</b>	Buna-N

<b>Upper Bearing</b>	Single Row Deep Groove
<b>Lower Bearing</b>	Double Row Angular Contact
<b>Oil Type</b>	ISO VG10 Turbine Oil
<b>Max Submersion Depth</b>	75 ft
<b>Discharge (Std)</b>	Horizontal, 2 in, 2.5 in & 3 in 150# ANSI with 2 in NPT
<b>Discharge (Optional)</b>	Vertical, 2 in & 3 in NPT
<b>Protective External Finish</b>	Epoxy Powder Coat
<b>Seal Fail Detection</b>	Dual Probe - 2 Wire with Resistor 200K ohm Resistance
<b>Thermal Protection</b>	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
<b>Volute Material</b>	Class 30 Cast Iron
<b>Pump Weight</b>	280 lbs
<b>Cuts Per Minute</b>	Over 400,000
<b>Cutter Material</b>	Hardened 440 Stainless Steel
<b>Certifications</b>	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.