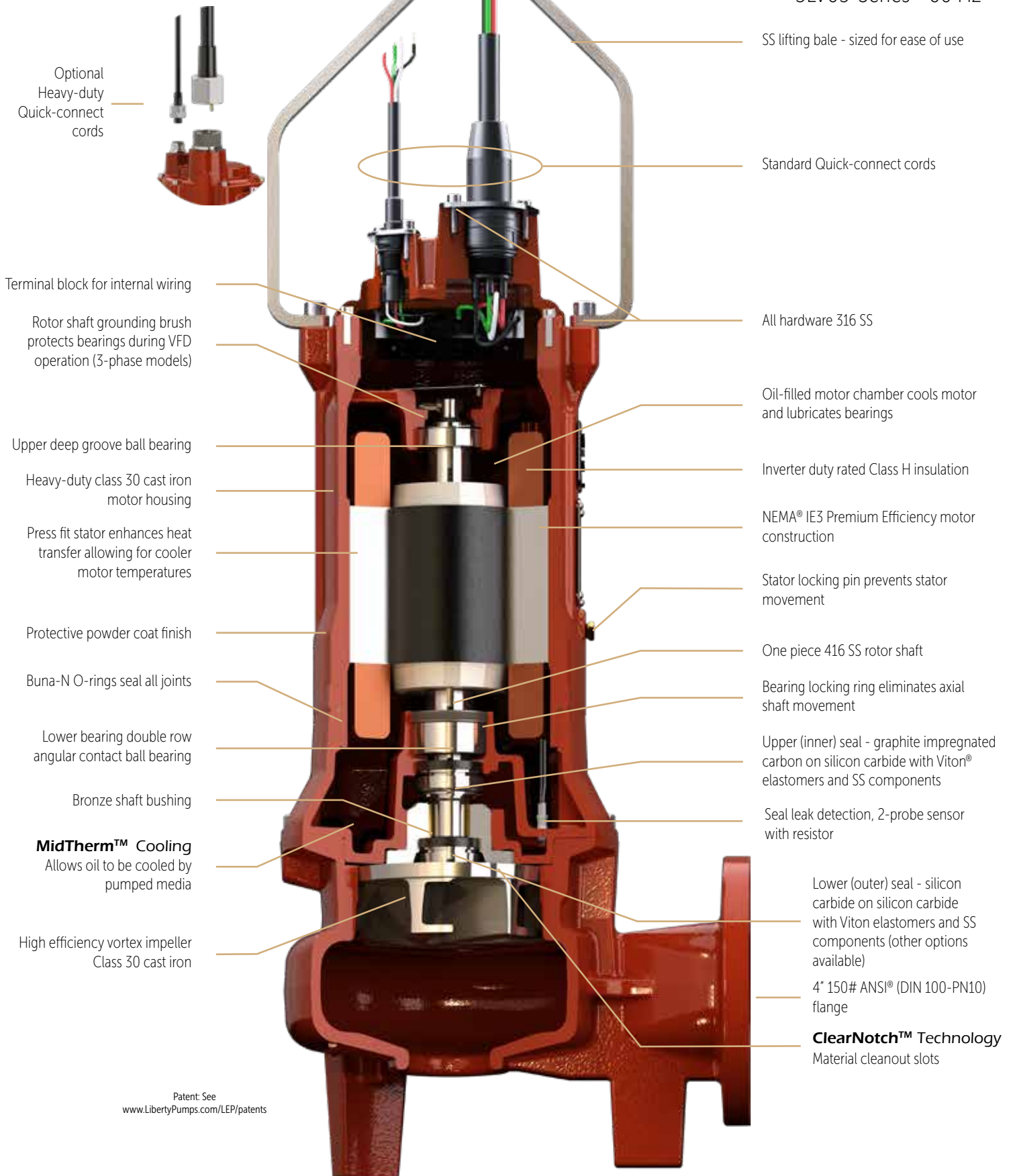


3LV05-Series - 60 Hz



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

Model Number	3LV052A	3LV053A	3LV054A	3LV055A
HP	5	5	5	5
Volts	230	200/230*	460	575
Phase	1**	3	3	3
Hz	60	60	60	60
RPM	1750	1750	1750	1750
FLA	24.5	17.6/16	8.0	6.5
SFA	28	21.2/19.2	9.4	7.8
LRA	129	120	59.3	38.9
Max kW Input	5.4	5.2	5.2	5.2
NEMA Code	—	A	A	A
Service Factor	1.3	1.3	1.3	1.3
Power Factor (%)	98	80	80	80
KVA Code	F	M	M	K
Motor Efficiency @ Full Load (%)	85.6	89.5	89.5	88.7
Std Impeller Diameter (in)	6.0	6.0	6.0	6.0
Shut-Off Head w/Std Impeller (ft)	38	38	38	38
Max Usable Head w/Std Impeller (ft)	36	36	36	36
Min Head w/Std Impeller (ft)	16	16	16	16
Max Flow @ Min Head (GPM)	380	380	380	380
Power Cord Type & Diameter	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	Vortex
Impeller Material	Class 30 Cast Iron
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	Graphite Impregnated Carbon - Rotating Silicon Carbide - Stationary Viton Elastomers
Lower (Outer) Seal Material (Standard)	Silicon Carbide on Silicon Carbide Viton Elastomers
Lower (Outer) Seal Material (Optional)	Tungsten Carbide on Tungsten 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
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
Solids Handling	3 in
Discharge	Horizontal 4 in 150# ANSI (DIN 100-PN10)
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	320 lbs (approx)
Certifications	CSA Certified to CSA and UL® Standards CAN/CSA C22.2 No. 108-14 ANSI/UL 778 6th Ed