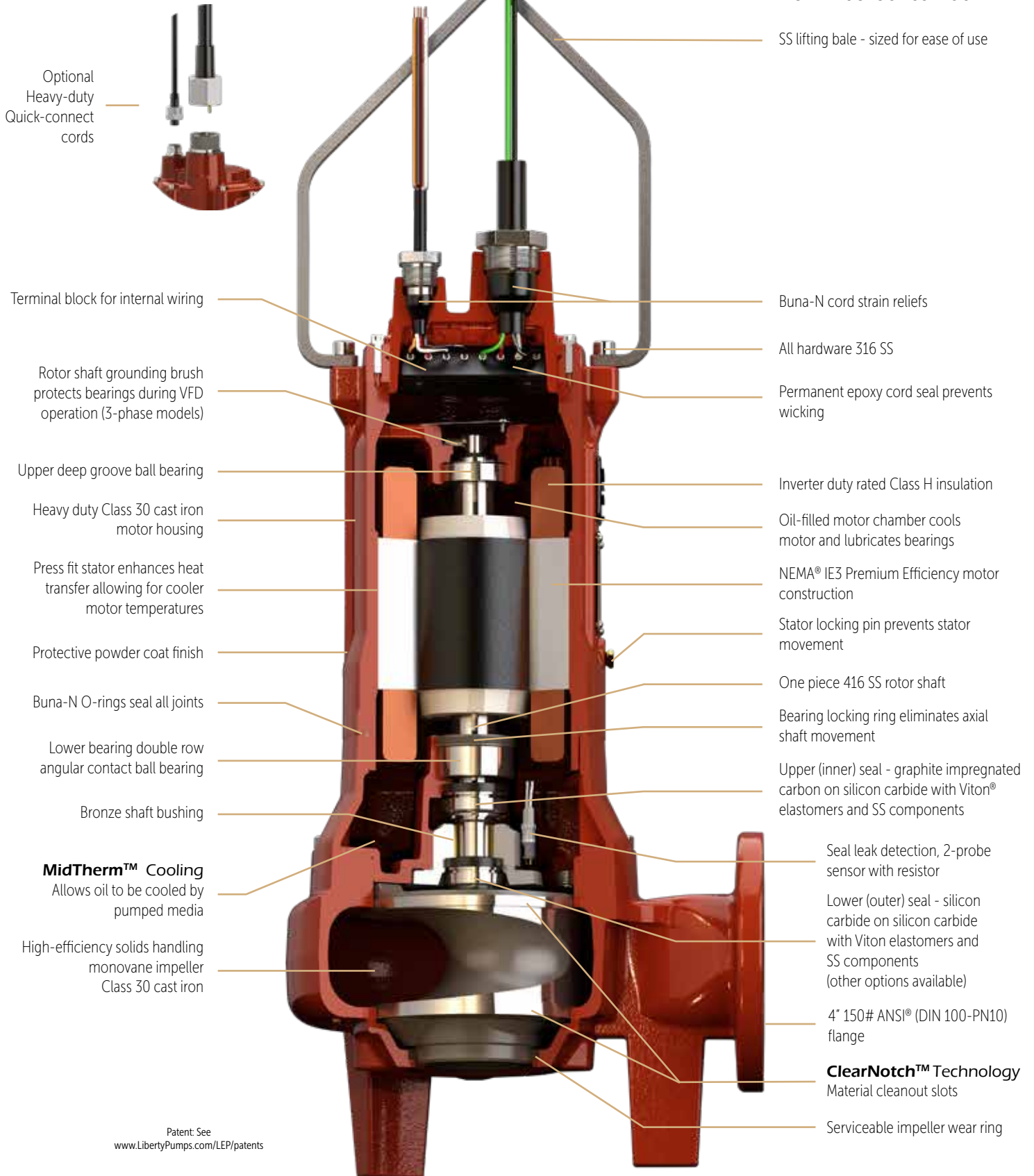


3XLM03-Series - 60 Hz



Model Number	3XLM032A	3XLM033A	3XLM034A	3XLM035A
HP	3	3	3	3
Volts	230	200/230*	460	575
Phase	1**	3	3	3
Hz	60	60	60	60
RPM	1750	1750	1750	1750
FLA	15.6	11.0/10.2	5	4.2
SFA	19	13/12	5.7	5
LRA	102	80	39.5	29.5
Max kW Input	3.5	3.2	3.2	3.2
NEMA Code	—	B	B	B
Service Factor	1.3	1.3	1.3	1.3
Power Factor (%)	98	77	77	77
KVA Code	G	J	J	J
Motor Efficiency @ Full Load (%)	86.2	89.7	89.7	89.5
Std Impeller Diameter (in)	6.25	6.25	6.25	6.25
Shut-Off Head w/Std Impeller (ft)	38	38	38	38
Max Usable Head w/Std Impeller (ft)	31	31	31	31
Min Head w/Std Impeller (ft)	16	16	16	16
Max Flow @ Min Head (GPM)	400	400	400	400
Power Cord Type & Diameter	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	Precision Balanced Monovane
Impeller Material	Class 30 Cast Iron
Control Cord Type & Diameter	18/5 SOOW, 0.375 in
Power Cord Length (Options)	35, 50, 100 ft
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
Hazardous Location T-Code	T4 (135°C with Thermals Connected) T2 (300°C without Thermals Connected)
Volute Material	Class 30 Cast Iron
Pump Weight	340 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, Groups C and D, T4 Class 1, Zone 1, Groups IIA, IIB, T4