

# LX-SERIES

## FEATURES

- **Non-clog single channel impeller**  
Non-clog single channel impeller has 3" spherical passage and prevents clogging.
- **Robust construction**  
Large diameter and short overhang shaft, rugged cast iron construction, all fasteners of stainless steel and 4 pole motor drive.
- **Double mechanical seal in oil chamber**  
An oil lubricated double mechanical seal system with lower faces of hard silicon carbide provides strong and reliable shaft sealing.
- **High efficiency, Energy saving**  
Hydraulic well designed single channel impeller gives high efficiency and saves energy.
- **Long life**  
Short overhanged shaft, angular contact ball bearings and high grade mechanical seals give longer life.
- **In built motor protection**  
Quick acting dual response overloads provide protection against overload, lock or open phase for model 3 H.P.. Models 5 H.P. And above have miniature thermal protectors.

## APPLICATIONS

- Sewage
- Mining
- Waste water
- Drainage

## SPECIFICATION

Item		Standard		Item		Standard		
Scope	Discharge	3"-6"		Materials	Shaft	403 Stainless Steel		
	Motor Power	3-30H.P. (3phase)			Motor Frame	cast iron		
	Performance	Capacity: To 1400 GPM Head: To 138 FT			Fasteners	304 Stainless Steel		
Liquid	Type	Sewage/Wastewater			Mechanical Seal	Upper Faces Carbon / Ceramic Lower Faces Silicon Carbide / Silicon Carbide Lubrication Oil: Turbine Oil VQ32 (SAE 10W20W)		
	Temperature	104° F			Wearing Ring	BC Bronze		
Submergence	Maximum	25FT			Motor	Type	Air filled dry submersible, Ip68, Class F insulation	
	Minimum	Refer to low water level (L.W.L) in dimensions.				Nominal Speed	1750rpm, 4pole	
Construction	Impeller	Non-clog single channel				Applicable Voltages	460; 208/230 volts 3 phase 60Hz	
	Mechanical Seal	Oil lubricated, double mechanical seal				Protection	In built overload protection (3HP) Miniature thermal protector (5-30HP)	
Materials	Casing	Cast Iron				Bearings	Pre Lubricated sealed ball bearings	
	Impeller	Cast Iron		Cable	Length	33' UL stow cable		
	Section Cover	Cast Iron			Accessories	Flange	Discharge elbow with NPT flange	

Solids handling				
Model	- Discharge - motor HP	80 Ø (3") All	100 Ø (4") All	150 Ø (6") All
Max. Diameter of Solids		3"		

- Accessories
- QDC quick Disconnect Guided Rail System
  - Pump Control Systems
  - Seal Leak Detection

