

# Liberty Pumps®

## X-Series™

### XLE50-Series

1/2 hp

### XLE70-Series

3/4 hp



**Explosion-proof  
Submersible  
Sewage Pumps  
for Hazardous  
Locations**

**Class 1, Division 1  
Groups C & D**

**Class 1, Zone 1 and  
Group IIA and IIB**

**Features:**

- Dual 2" or 3" discharge
- 2" solids-handling
- Heavy cast iron construction
  - Dual shaft seals
  - Seal fail sensor
- 2 vane semi-open cast iron impeller (bronze optional)
- 416 stainless steel rotor shaft
- 1-1/2" threads provided for optional conduit connection

For use with ISS-Series and  
ISD-Series intrinsically safe panels.

Consult factory for proper panel sizing.

innovate. evolve.

# XLE50-SERIES      XLE70-SERIES

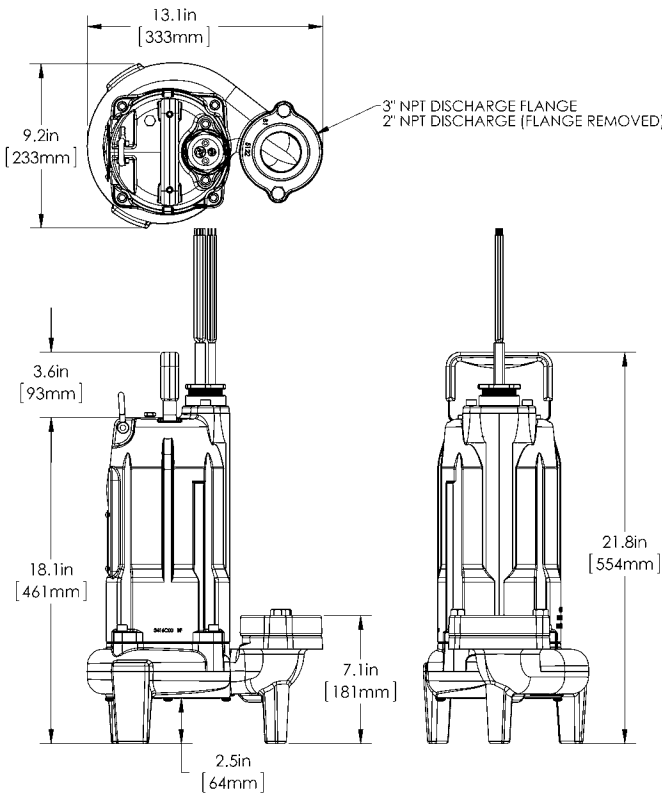
1/2 hp                      3/4 hp

## TECHNICAL SPECIFICATIONS

MODELS	HP	VOLTS	HZ	PHASE	FULL LOAD AMPS	CAPACITOR KIT	DISCHARGE SIZE	CORD LENGTH	WEIGHT (Lbs.)
XLE51M-2	1/2	115	60	1	10.5	K001514	2" & 3"	25'	96
XLE52M-2	1/2	208/230	60	1	5.5	K001513	2" & 3"	25'	96
XLE53M-2	1/2	208/231	60	3	3.5	N/A	2" & 3"	25'	96
XLE54M-2	1/2	440-480	60	3	1.8	N/A	2" & 3"	25'	96
XLE55M-2	1/2	575	60	3	1.6	N/A	2" & 3"	25'	96
XLE71M-2	3/4	115	60	1	14	K001514	2" & 3"	25'	96
XLE72M-2	3/4	208/230	60	1	7	K001513	2" & 3"	25'	96
XLE73M-2	3/4	208/231	60	3	4.5	N/A	2" & 3"	25'	96
XLE74M-2	3/4	440-480	60	3	2	N/A	2" & 3"	25'	96
XLE75M-2	3/4	575	60	3	1.6	N/A	2" & 3"	25'	96

25' cords standard. For 35' cords, add "-3" suffix to the model number. Example: XLE51M-3  
 Cast iron impeller standard. For bronze impeller add "B" to model number. Example: XLE51BM-2  
 NOTE: 3-phase models require a control panel with overloads properly sized for the pump. See intrinsically safe panels ISS-Series (simplex) or ISD-Series (duplex) literature for complete panel information. Consult factory for proper panel sizing.

### DIMENSIONAL DATA:

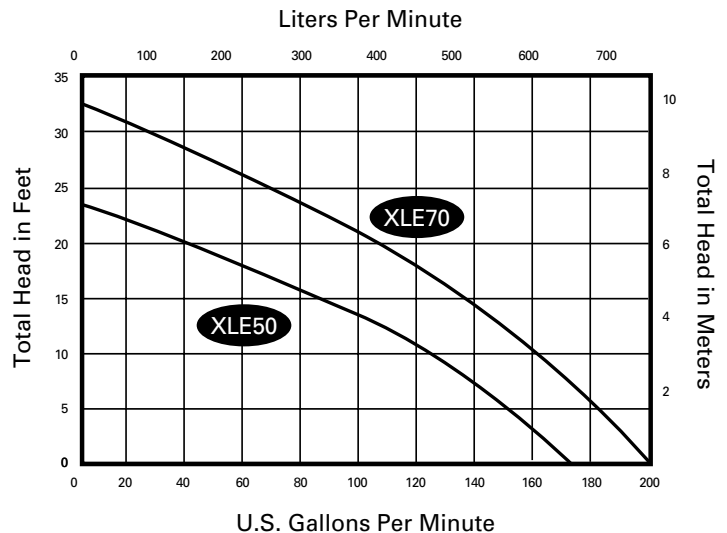


### CONSTRUCTION:

- Pump and Motor Housing:** Heavy cast iron - Class 30
- Impeller:** Cast Iron (standard), Bronze option available (order "B" models)
- Motor:** Submersible type, oil-filled, hermetically sealed
- Bearings:** Ball bearings upper and lower
- Thermal Protection:** Single-phase models - built into motor windings with automatic reset. Three-phase models require overloads in the control panel
- Capacitor:** External run capacitor required in panel (single phase models)
- Shaft Seal:** Dual seals, silicon carbide with BUNA N elastomers and stainless steel housing
- Seal Fail Sensor:** Integral moisture sensing probe (functionality requires indicator in panel - see ISS or ISD-Series panels)
- Maximum Fluid Temperature:** 104° F (40° C)

### PERFORMANCE CURVE

60Hz. 1725 RPM



Specifications are subject to change without notice.