

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 at power cords for optional conduit connection

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

Consult factory for proper panel sizing.



Patent: See
www.libertypumps.com/patents



**Dual Sized Discharge
2" or 3"**



innovate. evolve.

XLE50-SERIES XLE70-SERIES

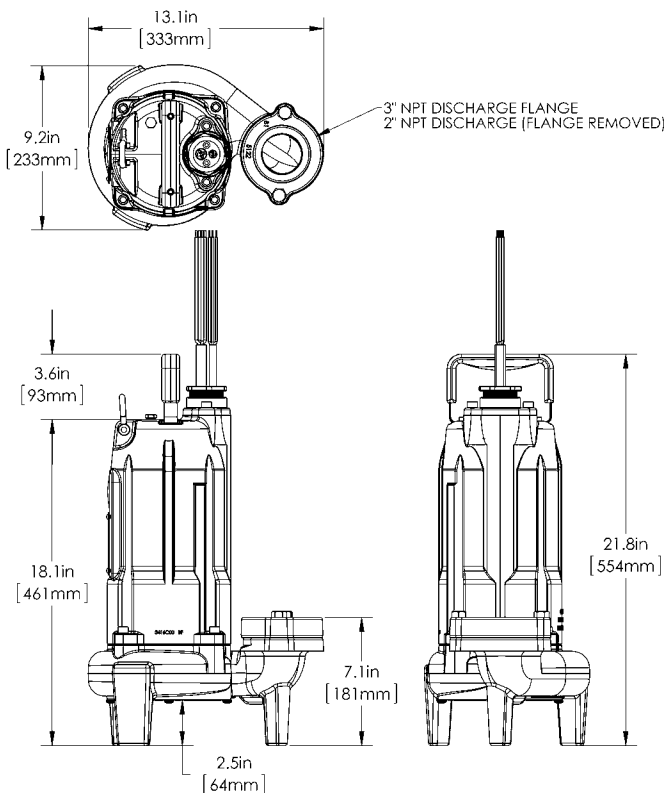
1/2 hp 3/4 hp

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 | 208/230 | 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 | 208/230 | 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 are standard. For 35' or 50' cords, add "-3" or "-5" suffix respectively. Example: XLE52M-5
 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)

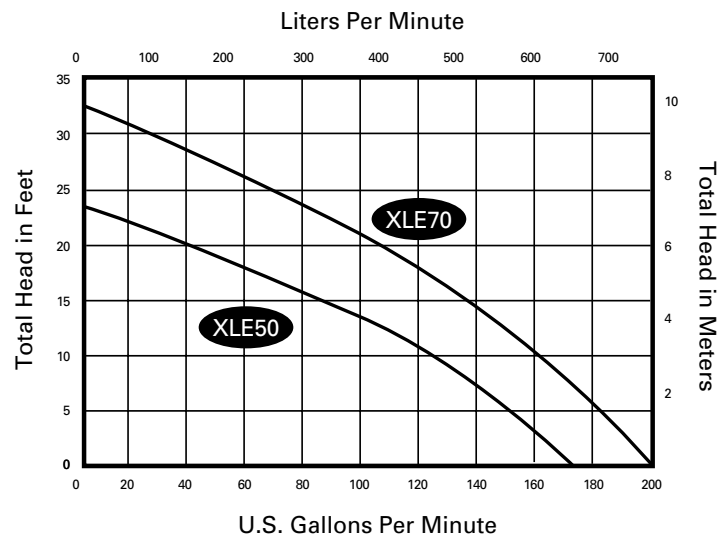
Shaft Seal: Dual seals, silicon carbide with BUNA N elastomers and stainless steel housing

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



Meets FM Standards

Specifications are subject to change without notice.