

XLE50 and XLE70-SERIES

Explosion-proof Submersible Sewage Pumps for Hazardous Locations

Liberty Pumps®

A Family and Employee Owned Company

X-Series™

1/2 hp - XLE50-Series

3/4 hp - XLE70-Series

2" Solids handling

2" or 3" Discharge

Class 1, Division 1, Groups C and D

Class 1, Zone 1, Group IIA and IIB

Features

- 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.



Dual Sized Discharge
2" or 3"



Patent: See
LibertyPumps.com/en-us/patents



Meets FM Standards

innovate. evolve.

XLE50-Series and XLE70-Series

Impeller

Cast Iron (standard), bronze option available (order "B" models)

Motor

Submersible type, oil-filled, hermetically sealed

Motor Housing

Class 30 heavy cast iron

Shaft

Dual seals, silicon carbide with BUNA-N elastomers and stainless-steel housing

Bearings

Upper and lower ball bearings

Thermal Protection

1-phase models - built into motor windings with automatic reset. 3-phase models require overloads in the control panel

Capacitor

External run capacitor required in control panel, 1-phase only

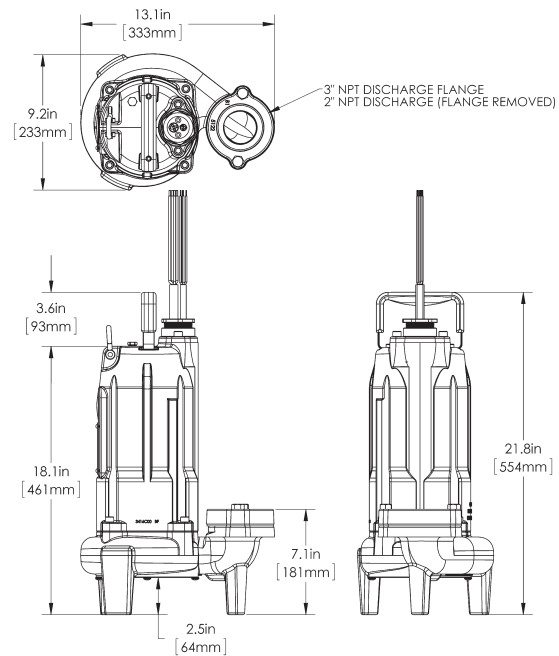
Seal Fail Sensor

Integral moisture sensing probe (functionality requires indicator in control panel – see ISS or ISD-Series control panels)

Max Fluid Temperature

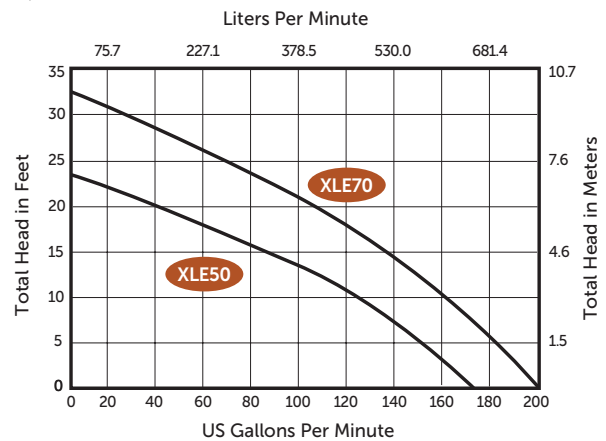
104°F (40°C) Continuous duty rated

Dimensional Data



Performance Curve

60 Hz, 1725 RPM



MODELS	HP	VOLTS	HZ	PHASE	FULL LOAD AMPS	CAPACITOR KIT	DISCHARGE SIZE	CORD LENGTH	WEIGHT IN 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: 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 control panels

ISS-Series (simplex) or ISD-Series (duplex) literature for complete control panel information. Consult factory for proper control panel sizing.