

Liberty Pumps®

X-Series™

XFL100-Series

1 hp

XFL150-Series

1-1/2 hp

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

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

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

Features:

- Dual 1-1/2" or 2" discharge
 - 3/4" solids-handling
- Heavy cast iron construction
 - Dual shaft seals
 - Seal fail sensor
- Semi-open cast iron impeller (bronze optional)
- 303 stainless steel rotor shaft
- 1-1/2" threads provided at power cords for optional conduit connection
- Surface temperature code T4

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
1-1/2" or 2"



innovate. evolve.

XFL 100-SERIES XFL 150-SERIES

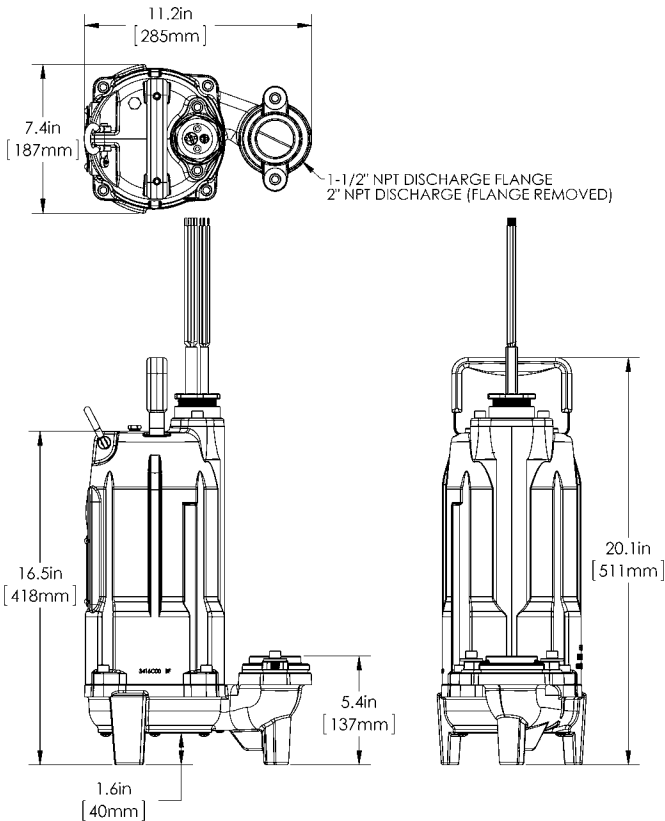
1 hp 1-1/2 hp

TECHNICAL SPECIFICATIONS

MODELS	HP	VOLTS	HZ	PHASE	FULL LOAD AMPS	CAPACITOR KIT	DISCHARGE SIZE	CORD LENGTH	WEIGHT (Lbs.)
XFL102M-2	1	208/230	60	1	11.5	K001585	1-1/2" & 2"	25'	93
XFL103M-2	1	208/230	60	3	8	N/A	1-1/2" & 2"	25'	93
XFL104M-2	1	440-480	60	3	4	N/A	1-1/2" & 2"	25'	93
XFL105M-2	1	575	60	3	3	N/A	1-1/2" & 2"	25'	93
XFL152M-2	1-1/2	208/230	60	1	12.5	K001585	1-1/2" & 2"	25'	93
XFL153M-2	1-1/2	208/230	60	3	9	N/A	1-1/2" & 2"	25'	93
XFL154M-2	1-1/2	440-480	60	3	4	N/A	1-1/2" & 2"	25'	93
XFL155M-2	1-1/2	575	60	3	3.2	N/A	1-1/2" & 2"	25'	93

25' cords are standard. For 35' or 50' cords, add "-3" or "-5" suffix respectively. Example: XFL152M-5
 Cast iron impeller standard. For bronze impeller add "B" to model number. Example: XFL102BM-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:

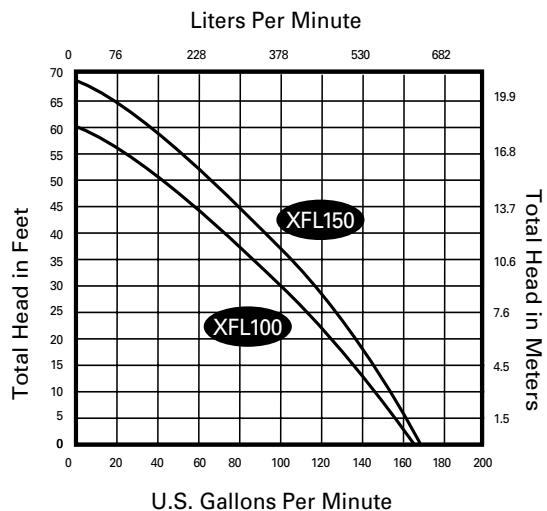


CONSTRUCTION:

- 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) Continuous duty rated

PERFORMANCE CURVE

60Hz. 3450 RPM



Specifications are subject to change without notice.