

LE100-SERIES

Sewage Pumps

Liberty Pumps®

A Family and Employee Owned Company

1 hp

2" Solids handling

2" or 3" Flanged discharge

Features

- Rugged 2 vane, semi-open cast iron impellers
- Cast iron housings and volute with all stainless and brass fasteners
- Stainless steel shaft
- Oil-filled, hermetically sealed motors
- Built-in thermal protection on single-phase models
- 2" or 3" flanged discharge
- Permanently lubricated upper and lower ball bearings
- Unitized shaft seals
- Single float mechanical level control with piggyback plug for manual bypass operation standard on single-phase automatic models
- Adjustable pumping range
- Quick-connect 10' standard power cord allows replacement of cord in seconds without breaking seals to motor (optional longer cord lengths available)



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LE100-Series

Pump

1 hp
2" Solids handling capability

Motor

Oil-filled and hermetically sealed
Stainless steel rotor shaft
1-Phase thermally protected
3-phase have overloads in control panel

Impeller

Cast iron, semi-open 2 vane

Power Cord Type

Quick-connect

Dimensional Data

Weight: LE102M: 64 lbs

Height: 18.9"

Major Width: 12.5"

Maximum Fluid Temperature:

104°F (40°C) Continuous duty

140°F (60°C) Intermittent

Models

MODELS	VOLTS	PHASE	AMPS	DISCHARGE	AUTOMATIC
LE102A2	208-230	1	8	2" Flanged	Yes
LE102A3	208-230	1	8	3" Flanged	Yes
LE102M2	208-230	1	8	2" Flanged	No
LE102M3	208-230	1	8	3" Flanged	No
LE103M2-2	208-230	3	5.3	2" Flanged	No
LE104M2-2	440-480	3	2.5	2" Flanged	No
LE105M2-2	575	3	1.9	2" Flanged	No
LE103M3-2	208-230	3	5.3	3" Flanged	No
LE104M3-2	440-480	3	2.5	3" Flanged	No
LE105M3-2	575	3	1.9	3" Flanged	No

10' cord standard on single phase models. For 25' cord option, add a "-2" suffix to model number. Example: LE102A2-2

For 35' cord option add "-3" suffix to model number. Example: LE102A2-3.

NOTE: 25' cord is standard on 3-phase models. 3-Phase models require panel for automatic operation. See sewage accessories literature for complete information on all simplex and duplex controls.

50' cord option available on manual models only. Add "-5" suffix to model number. Example LE102M3-5.

Consult engineering spec sheets for more data.

Seal

1-Phase - Carbon ceramic with BUNA-N elastomers and stainless housings

3-Phase - Unitized graphite impregnated silicon carbide

External Construction

Class 25 or better iron casting

Powder coated casting

300 series stainless steel fasteners

Level Control

Adjustable mechanical switch sealed in a PVC float with a series plug for manual bypass operation

Performance Curve

60 Hz, 1725 RPM

