

LEH100-SERIES

High Head Sewage Pumps

Liberty Pumps®

A Family and Employee Owned Company

1 hp

2" Solids handling

2" or 3" Flanged discharge

53' Maximum TDH

Features

- Rugged 2 Vane, semi-open cast iron impellers
- Cast iron housings and volute with all stainless steel and brass fasteners
- 17-4 PH® stainless steel shaft
- Oil-filled, hermetically sealed motors
- Built-in thermal protection on 1-phase models
- Permanently lubricated upper and lower ball bearings
- Unitized shaft seals
- Single float mechanical level control with series plug for manual bypass operation—standard on 1-phase automatic models
- Adjustable pumping range
- Quick-connect 10' standard power cord allows replacement of cord in seconds without breaking seals to motor



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LEH100-Series

Impeller

Cast iron, 2 Vane, semi-open

Paint

Powder coat

Max Fluid Temperature

104°F (40°C) Continuous duty

140°F (60°C) Intermittent

Motor

Oil-filled, hermetically sealed

Power Cord Type

SJOOW (1-Phase) or SEOOW (3-Phase)

Quick-connect

Motor Housing

Class 25 cast iron

Volute

Class 25 cast iron

Dimensional Data

Weight: LEH102M: 64 lbs

Height: 18.9"

Major Width: 12.5"

Models

MODEL	VOLTS	PHASE	AMPS	DISCHARGE	AUTOMATIC
LEH102M2	230	1	12	2" Flanged	No
LEH102A2	230	1	12	2" Flanged	Yes
LEH102M3	230	1	12	3" Flanged	No
LEH102A3	230	1	12	3" Flanged	Yes
LEH103M2-2	208-230	3	9	2" Flanged	No
LEH103M3-2	208-230	3	9	3" Flanged	No
LEH104M2-2	440-480	3	4.5	2" Flanged	No
LEH104M3-2	440-480	3	4.5	3" Flanged	No
LEH105M2-2	575	3	3.3	2" Flanged	No
LEH105M3-2	575	3	3.3	3" Flanged	No

10' cord standard on 1-phase models. For 25' cord option, add a "-2" suffix to model number. Example: LEH102A2-2

For 35' cord add "-3" suffix to model number. Example: LEH102A2-3

25' cord is standard on 3-phase models. 3-phase models require control panel for automatic operation.

50' cord option available on manual models only. Add "-5" suffix to model number. Example LEH102M2-5.

See sewage accessories literature for complete information on all simplex and duplex control panels.

Consult engineering spec sheets for more data.

Shaft

Stainless

Hardware

Stainless

Mechanical Shaft Seal

Unitized carbon ceramic (1-Phase)

Unitized graphite impregnated silicon carbide (3-Phase)

Bearings

Upper and lower ball bearings

Float Switch [automatic models]

Wide-angle float switch

Performance Curve

60 Hz, 3450 RPM, 15' Minimum Head Required

