

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 (25' and 35' lengths available)

Models

1-PHASE

LEH102M 230V, 12A, manual

LEH102A 230V, 12A, automatic

3-PHASE

LEH103M 208-230V, 9A, manual*

LEH104M 440-480V, 4.5A, manual*

LEH105M 575V, 3.3A, manual*

*NOTE: 3-phase models require control panel for automatic operation. See sewage accessories literature for complete information on all simplex and duplex control panels.



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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 10' standard length (25' or
35' lengths optional)

Motor Housing

Class 25 cast iron

Volute

Class 25 cast iron

Dimensional Data

Weight: LEH102M: 64 lbs

Height: 18.9"

Major Width: 12.5"

Shaft

Stainless

Hardware

Stainless

Mechanical Shaft Seal

Unitized carbon ceramic (1-Phase)
Unitized silicon carbide (3-Phase)

Bearings

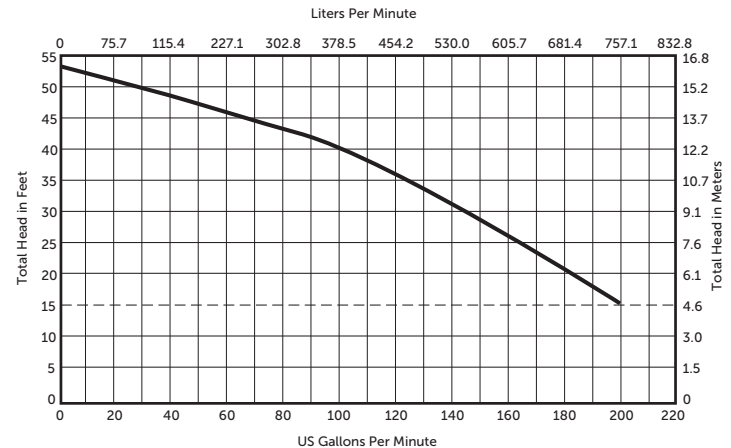
Upper and lower ball bearings

Float Switch (automatic models)

Wide-angle float switch

Performance Curve

60 Hz, 3450 RPM, 15' Minimum Head Required



All 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.

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