

Liberty Pumps®

NEW!

LEH150-Series



High Head Sewage Pumps

1.5 hp
2" Solids-Handling
2" or 3" Flanged
Discharge
70' Maximum TDH

Features:

- Rugged 2 vane, semi-open cast iron impellers
- Cast iron housing and volute with all stainless fasteners
- 416 stainless steel rotor 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
- Dual shaft seals
- Single float mechanical level control with series plug for manual bypass operation—standard on single-phase automatic models
- Quick-disconnect 25' standard power cord allows replacement of cord in seconds without breaking seals to motor

Models:

SINGLE PHASE

LEH152M 208-230V, 15a, manual
LEH152A 208-230V, 15a, automatic

3-PHASE

LEH153M 208-230V, 10.6a, manual*
LEH154M 440-480V, 5.3a, manual*
LEH155M 575V, 4.8a, manual*

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

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LEH150-SERIES TECHNICAL SPECIFICATIONS

PUMP

The pump(s) shall be model _____ as manufactured by Liberty Pumps, Bergen, N.Y. or equal. The pump(s) shall have a capacity of _____ GPM at a total dynamic head of _____ feet. Motor size shall be 1.5 horsepower, _____ phase, 60 hz. and _____ volt operation.

MOTOR

The pump motor shall be class B of the submersible type, oil filled, and hermetically sealed. Single phase motors shall have thermal overload protection embedded in the windings, and shall automatically reset when motor cools. Three-phase motors shall have heatbreakers incorporated into the control panel, properly sized for the horsepower and amperage of the pump(s).

The rotor shaft shall be made of 416 stainless steel and shall be supported by upper and lower ball bearings.

The power cord shall be of the quick-disconnect design.

IMPELLER

The pump impeller shall be cast iron, 2 vane, semi-open, and shall be capable of passing a 2" spherical solid.

DUAL SHAFT SEAL

Upper seal shall be unitized silicon carbon and the lower seal shall be Viton double lip.

EXTERNAL CONSTRUCTION

The pump volute, legs and motor housing shall be heavy gray iron castings, class 25 or better. All castings shall be powder coated before assembly.

All fasteners shall be of 300-series stainless steel.

LEVEL CONTROL

The pump shall be controlled by an adjustable mechanical switch sealed in a PVC float, and shall have a series plug for manual bypass operation. (Single phase model only)

ALL MODELS: 1.5 HP, 3450 RPM

	MODELS	VOLTS	PHASE	AMPS	DISCHARGE	AUTOMATIC
SINGLE PHASE	LEH152M2	208-230	1	15	2" FLANGED	NO
	LEH152M3	208-230	1	15	3" FLANGED	NO
	LEH152A2	208-230	1	15	2" FLANGED	YES
	LEH152A3	208-230	1	15	3" FLANGED	YES
3-PHASE	LEH153M2	208-230	3	10.6	2" FLANGED	NO
	LEH153M3	208-230	3	10.6	3" FLANGED	NO
	LEH154M2	440-480	3	5.3	2" FLANGED	NO
	LEH154M3	440-480	3	5.3	3" FLANGED	NO
	LEH155M2	575	3	4.8	2" FLANGED	NO
	LEH155M3	575	3	4.8	3" FLANGED	NO

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

DIMENSIONAL DATA:

Weight: LEH152M: 92 LBS.

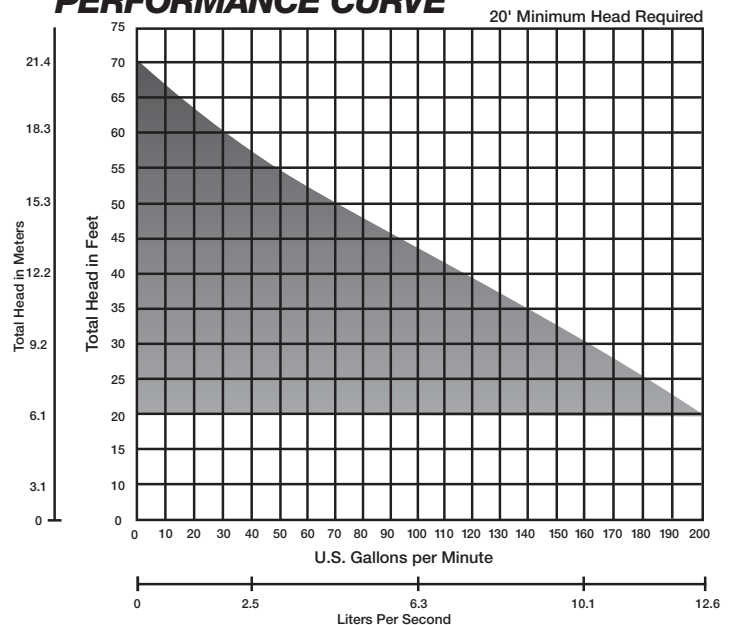
Height: 21"

Major Width: 13"

Maximum fluid temperature: 140 degrees F.

NOTE: LEH150-Series high-head pumps require a minimum head of 20'.

PERFORMANCE CURVE



Specifications subject to change without notice.

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