

# Liberty Pumps®



## 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
- 303 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-connect 25' standard power cord allows replacement of cord in seconds without breaking seals to motor (other cord length options available)

#### Models:

##### SINGLE PHASE

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

##### 3-PHASE

**LEH153M** 208/230V, 11.4a, manual\*  
**LEH154M** 440-480V, 5.7a, 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.

innovate. evolve.

# 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 overloads incorporated into the control panel properly sized for the horsepower and amperage of the pump(s).

The rotor shaft shall be made of 303 stainless steel and shall be supported by upper and lower ball bearings.

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

## ALL MODELS: 1.5 HP, 3450 RPM

## 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 carbide 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)

	MODELS	VOLTS	PHASE	AMPS	DISCHARGE	AUTOMATIC
SINGLE PHASE	LEH152M2-2	208-230	1	15	2" FLANGED	NO
	LEH152M3-2	208-230	1	15	3" FLANGED	NO
	LEH152A2-2	208-230	1	15	2" FLANGED	YES
	LEH152A3-2	208-230	1	15	3" FLANGED	YES
3-PHASE	LEH153M2-2	208/230	3	11.4	2" FLANGED	NO
	LEH153M3-2	208/230	3	11.4	3" FLANGED	NO
	LEH154M2-2	440-480	3	5.7	2" FLANGED	NO
	LEH154M3-2	440-480	3	5.7	3" FLANGED	NO
	LEH155M2-2	575	3	4.8	2" FLANGED	NO
	LEH155M3-2	575	3	4.8	3" FLANGED	NO

NOTE: 25' cord standard on all models. 3-phase models require panel for automatic operation.  
See sewage accessories literature for complete information on all simplex and duplex controls.  
35' and 50' cord options available on 3-phase models.

## DIMENSIONAL DATA:

**Weight:** LEH152M: 92 LBS.

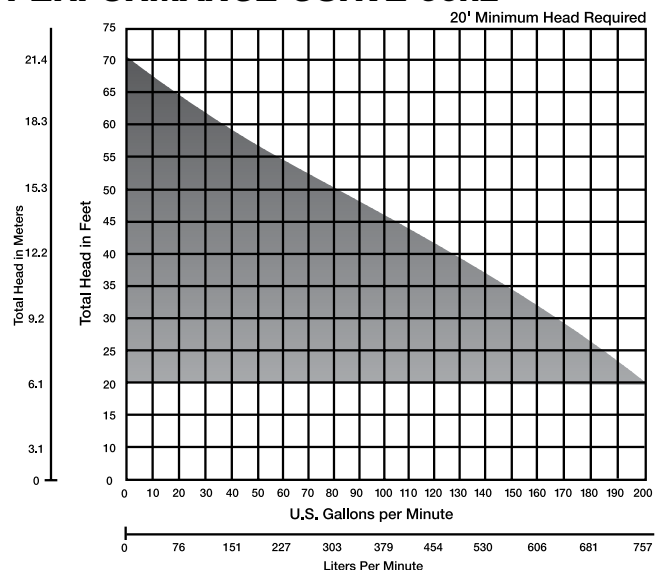
**Height:** 21"

**Major Width:** 13"

**Maximum fluid temperature:**  
104° F, 40° C Continuous Duty  
140° F, 60° C Intermittent

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

## PERFORMANCE CURVE 60hz



Specifications subject to change without notice.