Fiberty Pumps

LEH100-Series

High Head Sewage Pumps

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 and brass 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

Unitized shaft seals

 Single float mechanical level control with series plug for manual bypass operation – standard on single-phase automatic models

Adjustable pumping range

 Quick-disconnect 10' standard power cord allows replacement of cord in seconds without breaking seals to motor. (25' length optional)

Models:

SINGLE PHASE

LEH102M	208-230 V ,	12a,	manual
LEH102A	208-230V,	1 2 a,	automatic

3-PHASE

LEH103M	208-230 V , 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 controls.

innovate. evolve.

Year Warranty

POWDER

COATED

LEH100-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 horsepower, ______ phase, 60 hz. and ______ volt operation.

MOTOR

The pump motor shall be 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 heat breakers 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.

ALL MODELS: 1 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.

SEAL

The shaft seal shall be of the carbon/ceramic unitized design, with BUNA N elastomers and stainless housings.

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.

	MODELS	VOLTS	PHASE	AMPS	DISCHARGE	AUTOMATIC
SINGLE PHASE	LEH102M2	208-230	1	12	2" FLANGED	NO
	LEH102A2	208-230	1	12	2" FLANGED	YES
	LEH102M3	208-230	1	12	3" FLANGED	NO
	LEH102A3	208-230	1	12	3" FLANGED	YES
3-PHASE	LEH103M2-2	208-230	3	9	2" FLANGED	NO
	LEH104M2-2	440-480	3	4.5	2" FLANGED	NO
	LEH103M3-2	208-230	3	9	3" 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 single phase models. For 25' cord option, add a "-2" suffix to model number. Example: LEH102A2-2 for Model LEH102A2 with 25' cord.

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.

DIMENSIONAL DATA:

Weight: LEH102M: 62 LBS.

Height: 14.1"

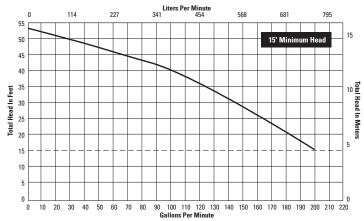
Major Width: 12.5"

Maximum fluid temperature: 140 degrees F.

NOTE: LEH-Series high-head pumps require a minimum application of 15' head.



PERFORMANCE CURVE



Liberty Pumps • 7000 Apple Tree Avenue • Bergen, New York 14416 • Phone 800-543-2550 Fax (585) 494-1839

www.libertypumps.com

Copyright © Liberty Pumps, Inc. 2011 All rights reserved. LLIT 100 R10/11