

# Liberty Pumps™



## **LE40-SERIES SEWAGE PUMPS**

**2" Solids-Handling  
4/10 hp**

### **MODELS:**

**LE41M 115V, 12a, Manual**

**LE41A 115V, 12a, Automatic**

Automatic models feature a mercury-free wide-angle float with series plug – allows for manual operation of pump separate from switch.

### **FEATURES:**

- Heavy cast iron construction
- Oil filled, thermally protected motor
- Permanently lubricated bearings
- Corrosion resistant, vortex style impeller made of high temperature engineering polymer
- All stainless steel fasteners and rotor shaft
- Quick-disconnect power cord allows replacement of cord in seconds without breaking seals to motor
- 10' power cord, standard (25' optional)

# LE40-SERIES

## TECHNICAL SPECIFICATIONS

### PUMP

The pump(s) shall be model \_\_\_\_\_ as manufactured by Liberty Pumps, Bergen, NY, or equal.

The pump(s) shall have a capacity of \_\_\_\_ GPM at a total dynamic head of \_\_\_\_ feet. Motor size shall be 4/10 horsepower, single phase, 60 hz. and \_\_\_\_ volt operation.

### MOTOR

The pump motor shall be of the submersible type, oil filled, hermetically sealed and shall be thermally protected. The overload element shall automatically reset when motor cools.

Motor windings shall be of the class B insulation rating. The rotor shaft shall be made of 416 stainless steel and shall be supported by lower and upper sleeve bearings.

The power cord shall be of the quick-disconnect design allowing replacement of the cord without breaking seals to the motor and/or oil chamber.

### IMPELLER

The pump shall have a VORTEX style impeller 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 gray iron castings, ASTM class 25 or better. All castings shall be epoxy powder coated before assembly. All fasteners shall be of 300-series stainless steel or brass.

### LEVEL CONTROL

Automatic units shall be controlled by an adjustable, mercury-free, wide angle float switch. Float cord shall be equipped with a series plug for manual bypass operation.

MODELS	HP	VOLTS	PHASE	AMPS	DISCHARGE	AUTOMATIC	IMPELLER
LE41M	4/10	115	1	12	2" FNPT	NO	VORTEX
LE41A	4/10	115	1	12	2" FNPT	YES	VORTEX

10' cord standard on above models. For 25' cord option, add a "-2" suffix to model number. Example: LE41A-2

### DIMENSIONAL DATA:

**Weight:** LE41M: 38 LBS.

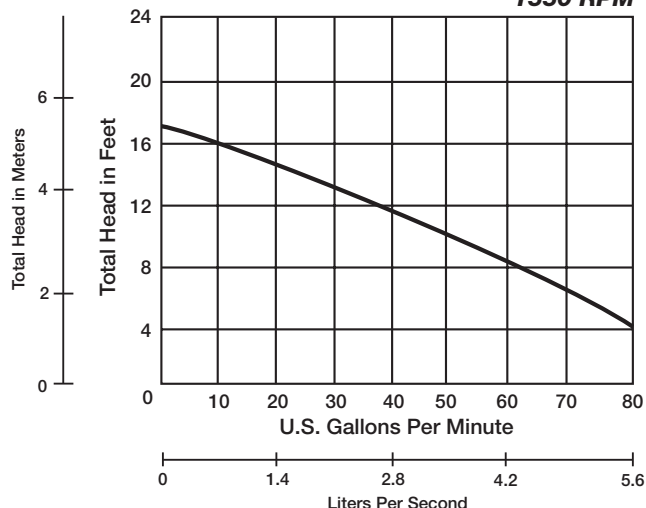
**Height:** 13.5"

**Major Width:** 10.75" (manual models)

**Maximum fluid temperature** 140° F.

### PERFORMANCE CURVE

1550 RPM



Specifications are subject to change without notice.