



FL30-SERIES EFFLUENT PUMPS

***3/4" Solids-Handling
1/3 hp***

*Specifically designed for
STEP Systems, LPP Systems,
Mound Systems, Liquid Waste
Transfer and Commercial
Sump Applications*



MODELS:

FL31M 115V, 12a, Manual

FL31A 115V, 12a, Automatic

FL32M 208-230V, 6.6a, Manual

FL32A 208-230V, 6.6a, Automatic

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

FEATURES:

- Vortex impeller, made of high temperature engineering polymer, permits passage of solids without clogging
- Cast iron construction with all stainless and brass fasteners
- 416 stainless steel rotor shaft
- Oil-filled, thermally protected motor
- Permanently lubricated bearings
- Unitized shaft seal
- 10' power cord with quick disconnect design allows replacement of cord in seconds without breaking seals to motor (20' and 30' optional)
- 1-1/2" FNPT discharge

FL30-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 1/3 horsepower, single phase, 60 hz. and _____ volt operation (115V or 208-230V).

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 A insulation rating.

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

IMPELLER

The pump shall have a VORTEX style impeller made of high temperature engineering polymer, capable of passing a minimum 3/4" 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, 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

The pump shall be controlled by an adjustable mercury-free switch sealed in PVC float, and shall have a series plug for manual by-pass operation.

MODELS	HP	VOLTS	PHASE	AMPS	DISCHARGE	AUTOMATIC	IMPELLER
FL31M	1/3	115	1	12	1-1/2" FNPT	NO	VORTEX
FL31A	1/3	115	1	12	1-1/2" FNPT	YES	VORTEX
FL32M	1/3	208-230	1	6.6	1-1/2" FNPT	NO	VORTEX
FL32A	1/3	208-230	1	6.6	1-1/2" FNPT	YES	VORTEX

10' cord standard on above models.
For 20' or 30' cord options, add a "-2" or "-3" suffix to model number. Example: FL31A-2 (for 20' cord)

DIMENSIONAL DATA:

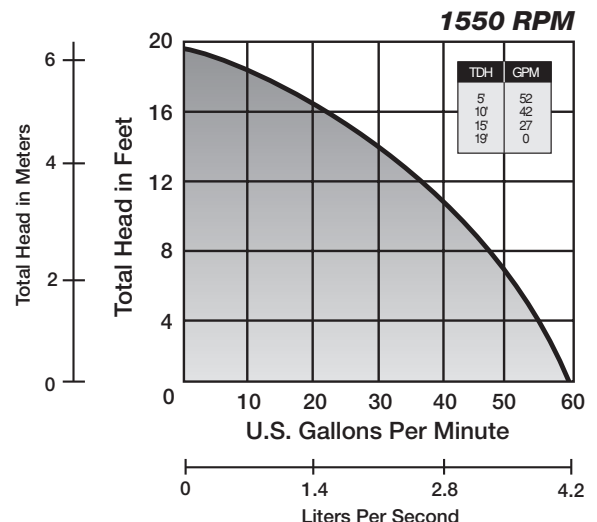
Weight: FL31M: 31 LBS.

Height: 9.6"

Major Width: 9.8" (manual model)

Maximum fluid temperature 140 degrees F.

PERFORMANCE CURVE



US Certified



Specifications are subject to change without notice.