

# FL50-SERIES

Submersible Effluent Pumps

# Liberty Pumps®

A Family and Employee Owned Company

**1/2 hp**

**1-1/2" or 2" Discharge**

**3/4" Solids handling**

## Features

- Semi-open impeller permits passage of solids without clogging
- Heavy-duty iron construction
- Stainless steel fasteners
- Stainless steel rotor shaft
- Permanently lubricated upper and lower ball bearings
- Oil-filled hermetically sealed motor with thermal overload protection
- Unitized carbon ceramic shaft seal
- Dual-sized discharge flange: 1-1/2" or 2"
- Quick-connect power cord in 10' standard length (25', 35' and 50' optional lengths available on certain models)



Patent: See  
[LibertyPumps.com/en-us/patents](http://LibertyPumps.com/en-us/patents)



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# FL50-Series

## Impeller

Semi-open cast iron class 25  
3/4" Solids handling

## Finish

Powder coat

## Maximum Fluid Temperature

104°F, 40°C Continuous duty  
140°F, 60°C Intermittent

## Motor

Oil-filled, hermetically sealed, and class B  
insulation rating

## Power Cord Type

SJTW (10', 25') or SJOOW (35', 50')  
Quick-connect 10' standard length (25', 35',  
or 50' lengths optional)

## Motor Housing

Class 25 cast iron

## Volute

Class 25 cast iron

## Dimensional Data

Weight: FL51M: 61 lbs  
Height: 16.4"  
Major Width: 11.2" (manual model)

## Shaft

Stainless

## Fasteners

300 Series stainless steel

## Hardware

Stainless

## Mechanical Shaft Seal

Carbon ceramic

## Bearings

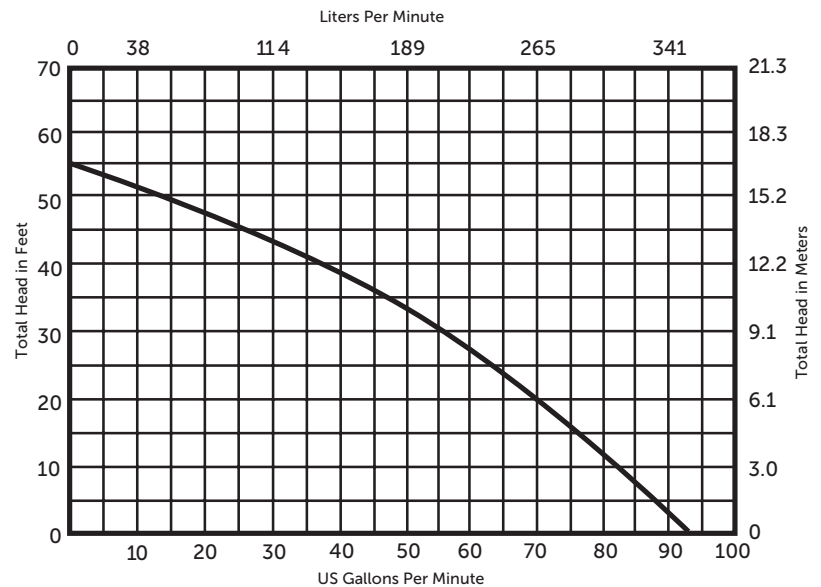
Upper and lower ball bearings

## Float Switch [automatic models]

Wide-angle float switch with piggyback plug

## Performance Curve

60 Hz 3450 RPM



## Models

MODEL	HP	VOLTS	PHASE	AMPS	DISCHARGE	AUTOMATIC	CORD LENGTH IN FEET	WEIGHT IN LBS
FL51A	1/2	115	1	12	1-1/2" or 2"	Yes	10	62
FL51A-2	1/2	115	1	12	1-1/2" or 2"	Yes	25	64
FL51A-3	1/2	115	1	12	1-1/2" or 2"	Yes	35	66
FL51M	1/2	115	1	12	1-1/2" or 2"	No	10	61
FL51M-2	1/2	115	1	12	1-1/2" or 2"	No	25	62
FL51M-3	1/2	115	1	12	1-1/2" or 2"	No	35	63
FL51M-5	1/2	115	1	12	1-1/2" or 2"	No	50	65
FL52A	1/2	208-230	1	6.5	1-1/2" or 2"	Yes	10	62
FL52A-2	1/2	208-230	1	6.5	1-1/2" or 2"	Yes	25	64
FL52A-3	1/2	208-230	1	6.5	1-1/2" or 2"	Yes	35	66
FL52M	1/2	208-230	1	6.5	1-1/2" or 2"	No	10	61
FL52M-2	1/2	208-230	1	6.5	1-1/2" or 2"	No	25	62
FL52M-3	1/2	208-230	1	6.5	1-1/2" or 2"	No	35	63
FL52M-5	1/2	208-230	1	6.5	1-1/2" or 2"	No	50	65

10' Cord standard on above models. 25', 35', and 50' cord lengths available (50' cord not available on automatic models).