

Liberty Pumps®

NEW!

FL50-Series

1/2 hp

FL60-Series

6/10 hp

FL70-Series

3/4 hp

Submersible Effluent Pumps

**3/4" Solids Handling
1-1/2" or 2" Discharge**

Features:

- Semi-open impellers permit passage of solids without clogging
- Heavy cast iron construction
 - Stainless steel fasteners
 - 416 stainless steel rotor shaft
- Permanently lubricated upper and lower ball bearings
- Oil-filled hermetically sealed motors with thermal overload protection
 - Unitized carbon and ceramic shaft seal
 - Dual-sized discharge flange: 1-1/2" or 2"
- Quick-disconnect power cord in 10' standard length (25' and 35' optional lengths available on some models)



innovate. evolve.

FL50-, FL60- & FL70-SERIES

TECHNICAL SPECIFICATIONS

EXTERNAL CONSTRUCTION:

Pump Volute and legs – Gray iron casting class 25

Motor Cover – Gray iron casting class 25. All castings shall be powder coated for corrosion resistance prior to assembly.

Fasteners – all fasteners shall be 300-series stainless steel.

MOTOR

Submersible 3450 RPM, oil filled and hermetically sealed. Class B insulation rating. 17-4 PH stainless steel rotor shaft. Thermally protected on single phase models. Three phase models shall have overloads incorporated into the control panel, properly sized for the horsepower and amperage of pump.

IMPELLER

Cast iron – class 25, semi-open design capable of passing a minimum 3/4" solids.

SHAFT SEAL

Carbon/ceramic unitized design with BUNA N elastomers and stainless steel housing.

POWER CORD

10' cord length – Standard. Quick-disconnect design allows for easy field replacement. Optional lengths available per chart.

LEVEL CONTROL

Automatic models shall be controlled by an adjustable wide-angle style switch sealed in a polymeric float. A series piggy-back style plug shall be provided to allow for manual bypass operation.

DISCHARGE

2" FNPT with a 1-1/2" FNPT threaded cast iron flange provided.

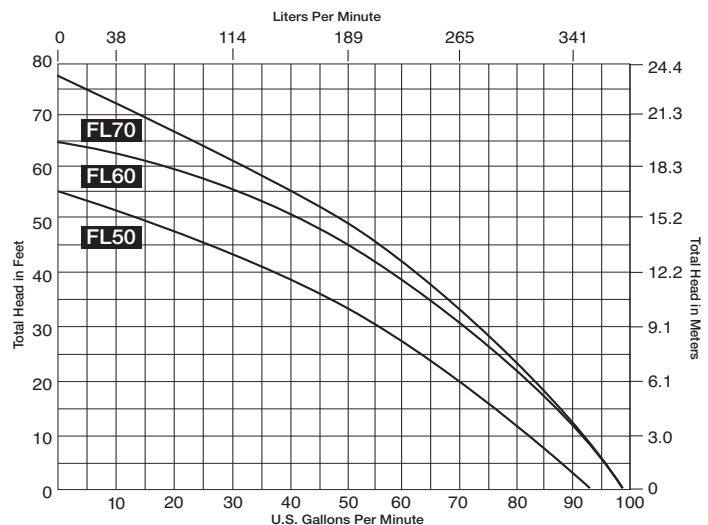
DIMENSIONAL DATA:

Height: 16.4" **Width:** 11.2"
(manual models)

Maximum Fluid Temperature: 140° F.

FL50/FL60/FL70

PERFORMANCE CURVE 60 Hz.



MODELS	HP	VOLTS	PHASE	AMPS	CORD LENGTH (ft)	AUTOMATIC/MANUAL	WEIGHT (lbs.)
FL51A	1/2	115	1	12.0	10'	Automatic	53
FL51A-2	1/2	115	1	12.0	25'	Automatic	55
FL51A-3	1/2	115	1	12.0	35'	Automatic	58
FL51M	1/2	115	1	12.0	10'	Manual	52
FL51M-2	1/2	115	1	12.0	25'	Manual	53
FL51M-3	1/2	115	1	12.0	35'	Manual	55
FL52A	1/2	208-230	1	6.5	10'	Automatic	53
FL52A-2	1/2	208-230	1	6.5	25'	Automatic	55
FL52A-3	1/2	208-230	1	6.5	35'	Automatic	58
FL52M	1/2	208-230	1	6.5	10'	Manual	52
FL52M-2	1/2	208-230	1	6.5	25'	Manual	53
FL52M-3	1/2	208-230	1	6.5	35'	Manual	55
FL62A	6/10	208-230	1	8.2	10'	Automatic	53
FL62A-2	6/10	208-230	1	8.2	25'	Automatic	55
FL62A-3	6/10	208-230	1	8.2	35'	Automatic	58
FL62M	6/10	208-230	1	8.2	10'	Manual	52
FL62M-2	6/10	208-230	1	8.2	25'	Manual	53
FL62M-3	6/10	208-230	1	8.2	35'	Manual	58
FL63M-2	6/10	208-230	3	5.6	25'	Manual	55
FL63M-3	6/10	208-230	3	5.6	35'	Manual	57
FL64M-2	6/10	440-480	3	2.8	25'	Manual	55
FL64M-3	6/10	440-480	3	2.8	35'	Manual	57
FL72A	3/4	208-230	1	10.5	10'	Automatic	53
FL72A-2	3/4	208-230	1	10.5	25'	Automatic	55
FL72A-3	3/4	208-230	1	10.5	35'	Automatic	58
FL72M	3/4	208-230	1	10.5	10'	Manual	52
FL72M-2	3/4	208-230	1	10.5	25'	Manual	53
FL72M-3	3/4	208-230	1	10.5	35'	Manual	58
FL73M-2	3/4	208-230	3	7.5	25'	Manual	55
FL73M-3	3/4	208-230	3	7.5	35'	Manual	57
FL74M-2	3/4	440-480	3	3.5	25'	Manual	55
FL74M-3	3/4	440-480	3	3.5	35'	Manual	57



Specifications subject to change without notice.