

FL70-SERIES

Submersible Effluent Pumps

Liberty Pumps®

A Family and Employee Owned Company

3/4 hp
1-1/2" or 2" Discharge
3/4" Solids handling

Features

- Semi-open impeller permits 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 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)



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External Construction

Pump Volute and legs – Gray iron casting class 25

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

Fasteners – 300 series stainless steel

Motor

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

Shaft

17-4 PH stainless steel

Impeller

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

Shaft Seal

Carbon ceramic with BUNA-N elastomers and stainless steel housing

Power Cord

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

Level Control

Automatic models are controlled by an adjustable wide-angle style switch sealed in a polymeric float. A series piggyback style plug is provided to allow for manual bypass operation. Not available on 50' models or 3-Phase.

Discharge

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

Dimensional Data

Height: 16.4"

Width: 11.2" (manual models)

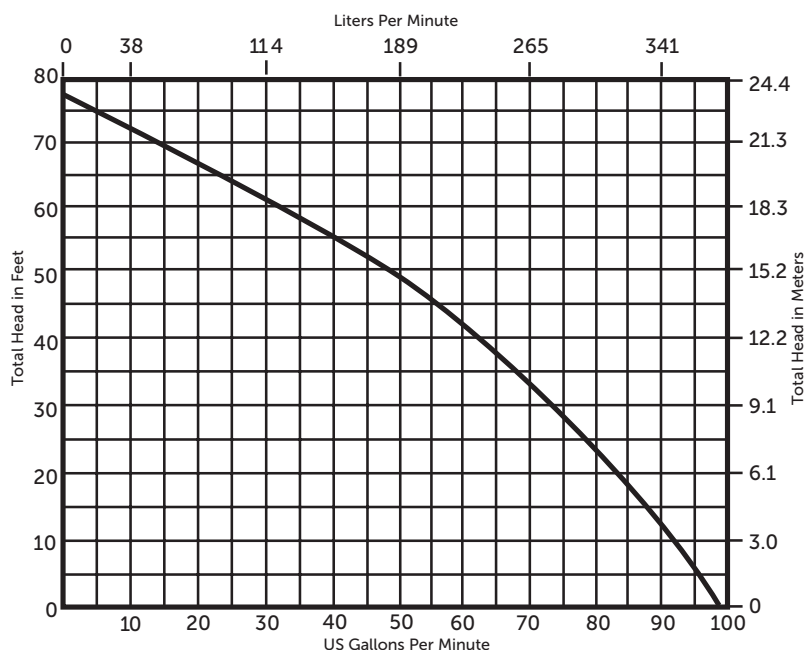
Maximum Fluid Temperature:

104°F, 40°C Continuous Duty

140°F, 60°C Intermittent

Performance Curve

60 Hz 3450 RPM



Models

MODEL	HP	VOLTS	PHASE	AMPS	AUTOMATIC	CORD LENGTH	WEIGHT
						IN FEET	IN LBS
FL72A	3/4	208-230	1	10.5	Yes	10	61
FL72A-2	3/4	208-230	1	10.5	Yes	25	63
FL72A-3	3/4	208-230	1	10.5	Yes	35	65
FL72M	3/4	208-230	1	10.5	No	10	60
FL72M-2	3/4	208-230	1	10.5	No	25	62
FL72M-3	3/4	208-230	1	10.5	No	35	64
FL72M-5	3/4	208-230	1	10.5	No	50	66
FL73M-2	3/4	208/230	3	7.5	No	25	61
FL73M-3	3/4	208/230	3	7.5	No	35	63
FL73M-5	3/4	208/230	3	7.5	No	50	66
FL74M-2	3/4	440-480	3	3.5	No	25	61
FL74M-3	3/4	440-480	3	3.5	No	35	63
FL74M-5	3/4	440-480	3	3.5	No	50	66