

# Liberty Pumps™



MODEL 257

## 250-SERIES CAST IRON 270-SERIES BRASS SUBMERSIBLE SUMP/EFFLUENT PUMPS 1/3 hp 1-1/2" Discharge 1/2" Solids Handling

270-SERIES: BRASS



MODEL 277



### FEATURES:

- Unique one-piece cast body eliminates motor housing seal ring.
- Durable, Epoxy powder coat finish
- Vortex style impeller
- Permanently sealed and lubricated bearings
- Quick-disconnect 10' standard power cord allows replacement of cord in seconds without breaking seals to motor. (25' length optional)
- Heavy duty VMF™ switch on vertical float models (U.S. Patent #5324171)

### MODELS:

#### CAST IRON

- 250 Manual
- 251 Wide-Angle Float
- 253 Wide-Angle Float, Series Plug
- 257 VMF, Vertical Magnetic Float

#### BRASS

- 270 Manual
- 271 Wide-Angle Float
- 273 Wide-Angle Float, Series Plug
- 277 VMF, Vertical Magnetic Float

Wide-Angle Floats are mercury-free, mechanically activated.

# 250-SERIES, 270-SERIES

## 1/3 hp Sump/Effluent Pumps for Professionals!

### ALL MODELS FEATURE:

- Rugged 1/3 hp motor, oil filled with thermal overload protection.
- 1/2" solids handling.
- 1-1/2" discharge.
- Hermetically sealed motor and switch cavities, and permanently lubricated bearings.
- Liberty's UNI-BODY casting – a solid, one-piece housing that eliminates the lower motor seal ring found on other pumps.
- Epoxy powder coat finish
- Vortex style impeller for superior solids-handling. Made of high temperature engineering polymer.
- Carbon and ceramic shaft seal.
- Quick-disconnect 10' standard power cord allows replacement of cord in seconds without breaking seals to motor. (25' length optional) For 25' cord option, add a "-2" suffix to model number. Example: 257-2 for Model 257 with 25" cord.
- Fasteners – all non-corrosive stainless steel.
- 416 stainless steel rotor shaft.
- **2 YEAR LIMITED WARRANTY**

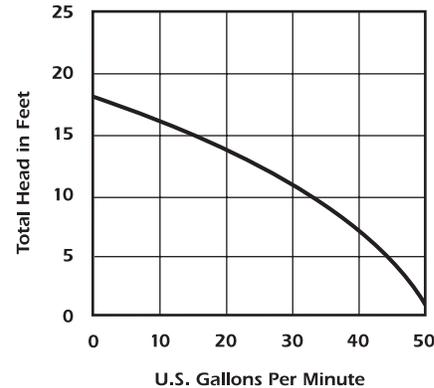
### MOTOR SPECIFICATIONS:

1/3 hp 115V 5.2 amps 60Hz 1725 RPM  
 Thermally Protected & Permanently Lubricated  
 Maximum Fluid Temperature: 140°F

### DIMENSIONAL DATA:

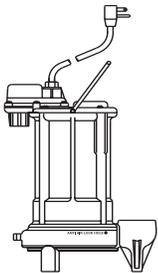
**Weight:** Model 257: 22 lbs.  
 Model 277: 24 lbs.  
**Height:** 10.5"  
**Major Width:** 9.6" (manual model 250)

### PERFORMANCE CURVE

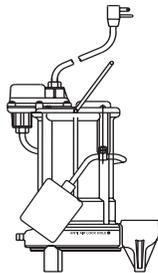


### EFFLUENT MODELS

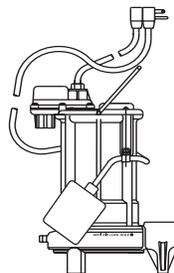
### SUMP



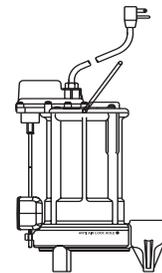
**Models 250, 270**  
 Manual, no switch.



**Models 251, 271**  
 Quick-disconnect wide-angle float, mercury-free.



**Models 253, 273**  
 Wide-angle float with series (piggy-back) plug, allows manual operation of pump.



**Models 257, 277 VMF**  
 (U.S. Patent #5324171) VMF switch, magnetically operated vertical float – operates in a 10" diameter sump.



Dual safety certification for the United States and Canada.

Specifications are subject to change without notice.

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