

Liberty Pumps®

450-Series

Submersible Sump Pumps

**1/2 hp
1-1/2" Discharge
3/8" Solids Handling**

Features:

- Vortex style impeller permits passage of solids without clogging
- Polypropylene and powder coated aluminum construction
- Stainless steel rotor shaft
- All fasteners – non-corrosive stainless steel
- Oil-filled, hermetically sealed motors with thermal overload protection
- Permanently lubricated upper and lower bearings
- Quick-disconnect 10' standard power cord allows replacement of cord in seconds without breaking seals to motor. (25' length optional)

Deep Finned Powder Coated Aluminum Motor Housing. Provides 225% more cooling capacity than cast iron housings!

Energy Saving! Model
Efficient motor design reduces electrical usage by up to **40%**



MODEL
457 VMF™

2
YEAR
WARRANTY

Models:

450 Manual

451 Mercury-free float, integrally wired, with quick disconnect feature

453 Mercury-free float, with series plug

457 VMF™, Vertical Magnetic Float

innovate. evolve.

450-SERIES

SUBMERSIBLE SUMP PUMPS

ALL MODELS FEATURE

- Vortex style impeller permits passage of solids without clogging. Made of high temp engineered thermoplastic.
- Polypropylene and powder coated aluminum construction.
- Stainless steel rotor shaft.
- All fasteners – non-corrosive stainless steel.
- Oil-filled, hermetically sealed motors with thermal overload protection.
- Permanently lubricated upper and lower bearings.
- 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: 451-2 for Model 451 with 25' cord.
- Removable base allows suction down to 1/8"
- **2 YEAR LIMITED WARRANTY**

DIMENSIONAL DATA:

Weight: 12.5 LBS.

Height: 12.5"

Major Width: 9.6"

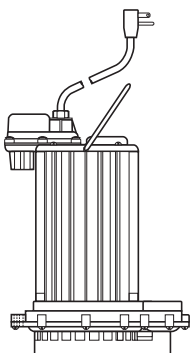
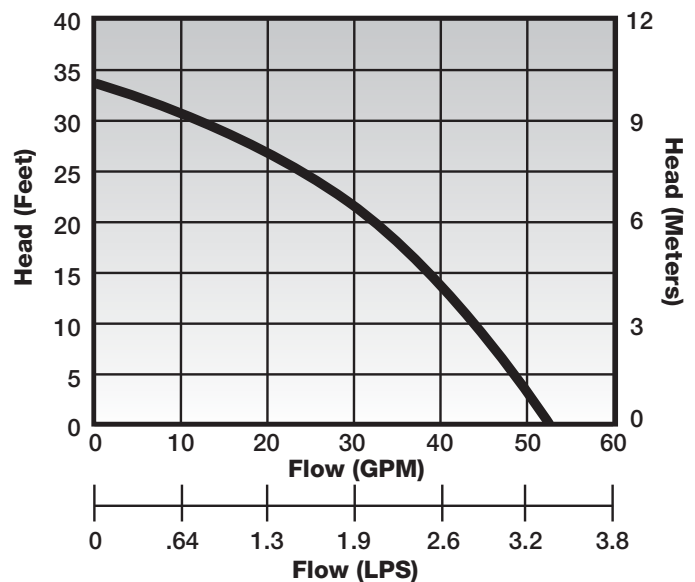
Minimum Sump Diameter: 14" (10" on Model 457)

MOTOR SPECIFICATIONS

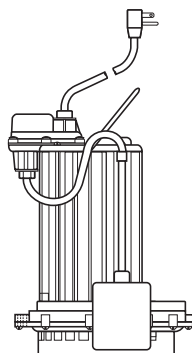
1/2 hp. 60Hz
 115V 3450 RPM
 7.5a Oil Filled; Thermally Protected

Maximum Fluid Temperature 140 Degrees F.

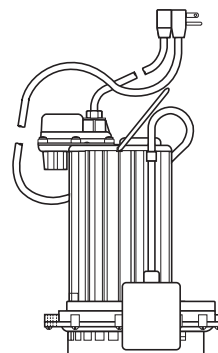
PERFORMANCE CURVE



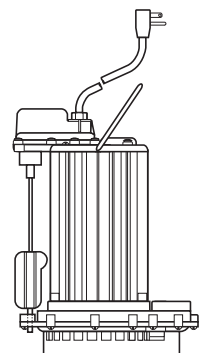
Model 450
Manual, no switch



Model 451
Quick-disconnect
Wide-angle float



Model 453
Wide-angle float
with series plug
allows for manual
operation of pump



Model 457 VMF™
VMF™ Switch,
magnetically operated
for smaller pits down
to 10" diameter
(U.S. Patent # 5324171)



Specifications subject to change without notice.