

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



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"
- **3 YEAR LIMITED WARRANTY**

DIMENSIONAL DATA:

Weight: 12.5 LBS.

Height: 12.5"

Major Width: 9.6"

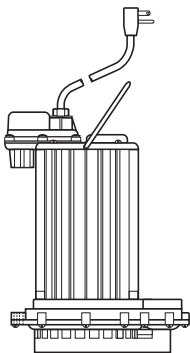
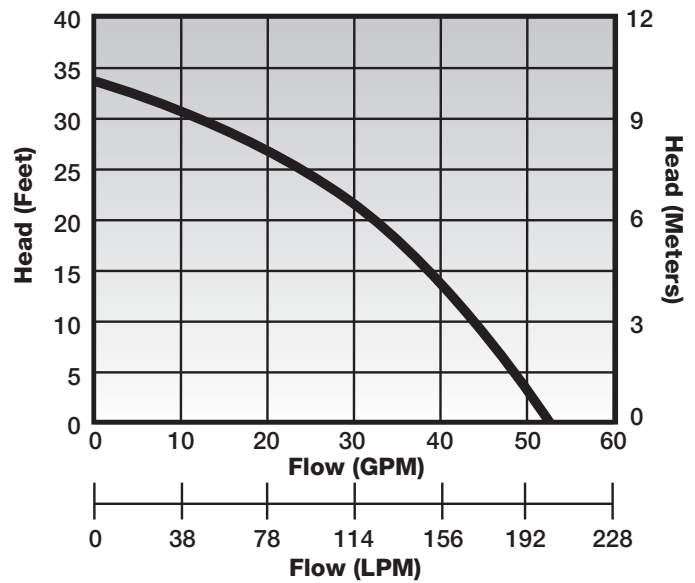
Minimum Sump Diameter: 14" (10" on Model 457)

MOTOR SPECIFICATIONS

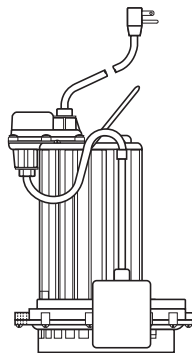
1/2 hp. 60Hz
 115V 3450 RPM
 7.5a Oil Filled; Thermally Protected

Maximum Fluid Temperature 140 Degrees F.

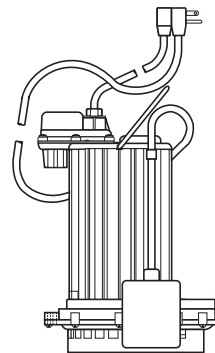
PERFORMANCE CURVE 60Hz



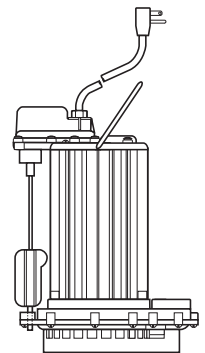
Model 450
Manual, no switch



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



Specifications subject to change without notice.