

Liberty Pumps®

280-Series



MODEL 287



Available with
Wide-Angle Switch



Cast Iron Submersible Sump/Effluent Pumps

1/2 hp
1-1/2" Discharge
3/4" Solids Handling

Features:

- Liberty's unique, one-piece "Uni-Body" casting
- Quick-disconnect 10' standard power cord allows replacement of cord in seconds without breaking seals to motor. (25' length optional)
- Permanently lubricated upper and lower bearings
- Oil-filled, hermetically sealed motors with thermal overload protection
- Stainless steel, removable bottom screen
 - Stainless steel rotor shaft
 - Stainless steel fasteners

115 V. Models:

280 Manual

281 Wide-Angle Float with Quick Disconnect

283 Wide-Angle Float, Series Plug

287 VMF, vertical magnetic float (U.S. Patent #5324171)
for heavy-duty sump pump applications

208-230 V. Models:

280HV Manual

281HV Wide-Angle Float with Quick Disconnect

283HV Wide-Angle Float, Series Plug

287HV Vertical Magnetic Float (VMF) Switch

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

innovate. evolve.

280-SERIES

1/2 hp Submersible Sump/Effluent Pumps

The Liberty 280 series provides a cost effective "mid-range" pump for on-site waste water systems, liquid waste transfer and commercial heavy-duty sump pump applications that require higher head or more flow. Designed around Liberty's unique "Uni-Body" casting, the 280-Series will provide years of reliable performance.

All Models Feature:

- Vortex style impeller, permitting passage of solids up to 3/4"
- 416 stainless steel rotor shaft
- Permanently lubricated upper and lower ball bearing
- Carbon and ceramic mechanical face seal
- Epoxy powder coat finish

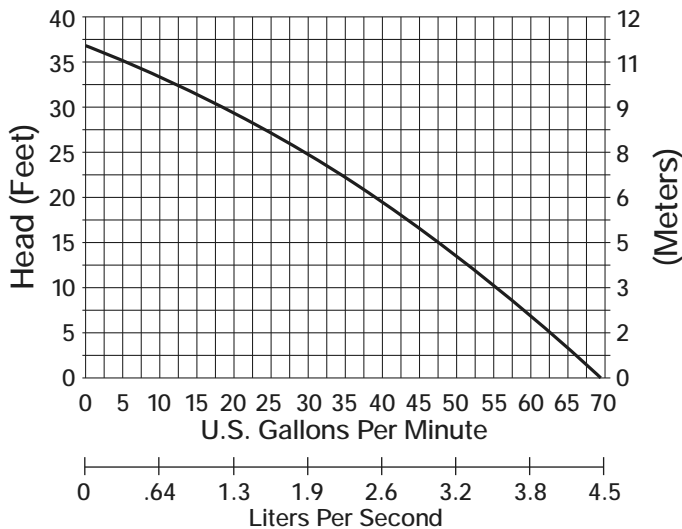
- All fasteners – corrosion-resistant stainless steel
- 1 1/2" Discharge
- Stainless steel bottom screen – easily removable
- Quick-disconnect 10' standard power cord allows replacement of cord in seconds without breaking seals to motor. (25' length optional) For 25' cord option, add a "-2" suffix to model number. Example: 283-2 for Model 283 with 25' cord.
- Maximum fluid temperature: 140° F.

Motor Specifications

1/2 hp 60 Hz 3450 RPM
Oil filled, thermally protected

115 V. Models 10 amps
208/230 V. Models 5 amps

Performance Curve: 280-Series



Dimensional Data:

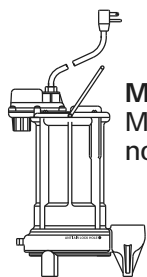
Weight: 29 lbs.
Height: 13"
Major Width: 10" (model 287)

Minimum Sump Diameters:

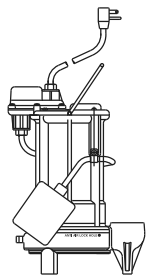
Model 281, 283... 14"
Model 287 VMF... 10"

Factory switch settings	Model 281, 283	Model 287 VMF
Turn on level	13"	9.5"
Turn off level	7"	4.0"

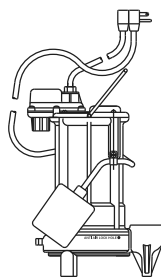
The Model 283 features a fully adjustable wide-angle float. Differential adjustments can be made easily by tethering the float to the discharge pipe or other mounting point. Vertical float model 287 is not adjustable.



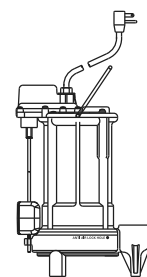
Model 280
Manual,
no switch



Model 281
Wide angle
float switch
with quick-
disconnect



Model 283
Wide angle
float switch
with series
(piggy-back)
plug



**Model 287
VMF-Series**
Vertical mag-
netic float for
smaller pits –
will operate in
a 10" diameter
sump

