

# Liberty Pumps®

## 280-Series



Quick-Disconnect  
Power Cord

One-Piece Cast  
Motor Housing



MODEL 283

**3**

Year Warranty



Available with  
Vertical Float

### Cast Iron Submersible Effluent/Sump 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. (other lengths available)
- 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 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 Effluent/Sump 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
- Epoxy powder coat finish
- All fasteners – corrosion-resistant stainless steel
- 1 1/2" Discharge
- Stainless steel bottom screen – easily removable
- Maximum fluid temperature: 140° F.
- **280-Series Cord Lengths**

Model	10'	25'(-2)	35'(-3)	50'(-5)
280	Standard	Optional	Optional	Optional
281	Standard	Optional	Optional	Optional
283	Standard	Optional	Optional	N/A
287	Standard	Optional	N/A	N/A

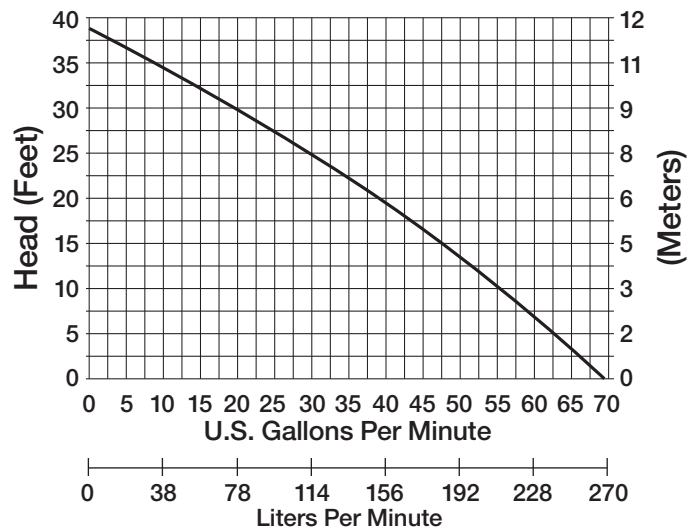
10' cord length standard on all models. For optional lengths, add “-2, -3 or -5” suffix to model number.  
Example: for model 280 with 35' cord, order 280-3

### Motor Specifications

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

115 V. Models 8.5 amps  
208/230 V. Models 4.6 amps

### Performance Curve: 280-Series



### Dimensional Data:

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

### Minimum Sump Diameters:

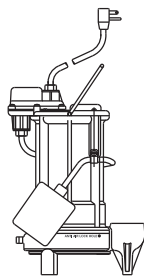
Model 281, 283...14"  
Model 287 VMF...10"

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

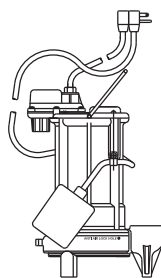
The Model 283 features a fully adjustable wide-angle float. Differential adjustments can be made easily by tethering the float to the discharge pipe or other mounting point. Vertical float model 287 is not adjustable.



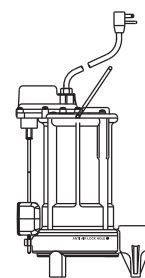
**Model 280**  
Manual,  
no switch



**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



us Certified

Specifications are subject to change without notice.