

Liberty Pumps®

280-Series



MODEL 283



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 |

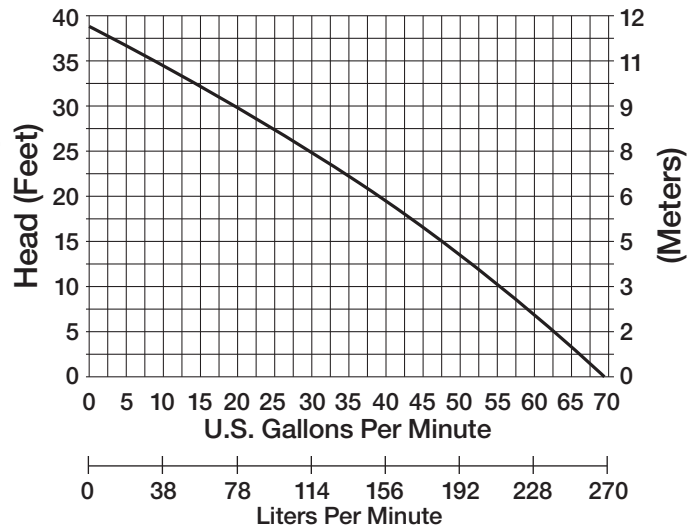
10' cord length standard on all models. For optional lengths, add “-2, -3 or -5” suffix to model number.
Example: for model 280 with 35' cord, order 280-3

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:

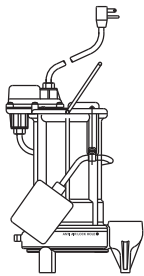
Model 281, 283...14"
Model 287 VMF...10"

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

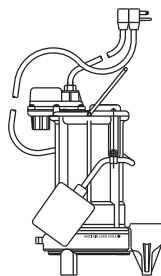
The Model 283 features a fully adjustable wide-angle float. Differential adjustments can be made easily by tethering the float to the discharge pipe or other mounting point. Vertical float model 287 is not adjustable.



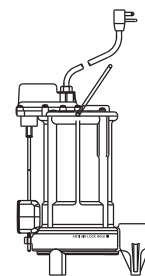
Model 280
Manual,
no switch



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



us Certified

Specifications are subject to change without notice.