

Liberty Pumps®

280-Series



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

POWDER COATED TOUGH™

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

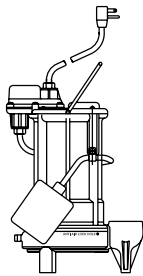
Motor Specifications

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

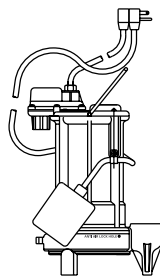
115 V. Models 8.5 amps
208/230 V. Models 4.6 amps



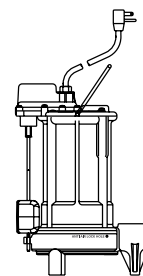
Model 280
Manual,
no switch



Model 281
Wide angle
float switch
with quick-
disconnect



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



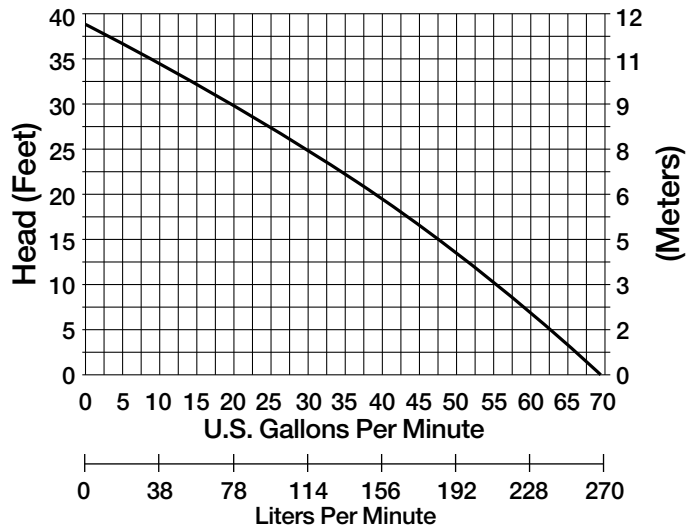
Model 287
VMF-Series
Vertical mag-
netic float for
smaller pits –
will operate in
a 10" diameter
sump



us Certified

Specifications are subject to change without notice.

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.