

Liberty Pumps™



280-SERIES MID-RANGE **SUBMERSIBLE SUMP/ EFFLUENT PUMPS** 3/4" Solids-Handling 1-1/2" Discharge 1/2 hp

Specifically designed for effluent pumping or heavy-duty sump applications requiring higher heads or flow rates.

Vertical float – Model 287 (VMF) for heavy-duty, 1/2 hp sump pump applications!



MODEL 283

115 V. MODELS:

- 280 Manual
- 281 Wide-angle float with quick disconnect
- 283 Wide-angle float with series plug
- 287 VMF, vertical magnetic float (U.S. Patent #5324171) for heavy-duty sump pump applications

208/230 V. MODELS:

- 280HV Manual
- 283HV Wide-angle float with series plug

(208/230 Volt available only on Model 280 and 283.)

FEATURES:

- Liberty's unique, one-piece "Uni-Body" casting
- Quick-disconnect power cord – available in 10' and 25' lengths
- 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

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 sleeve bearing 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
- 10' quick-disconnect power cord standard (25' length optional)

For 25' cord option, add "-2" suffix to model number.
Example: 283-2 for 283 with 25' cord

Motor Specifications

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

115 V. Models 10 amps
208/230 V. Models 5 amps (Available on 280 and 283 only. Add "HV" to model. Example: 283 HV.)

Maximum fluid temperature: 140° F.

Dimensional Data:

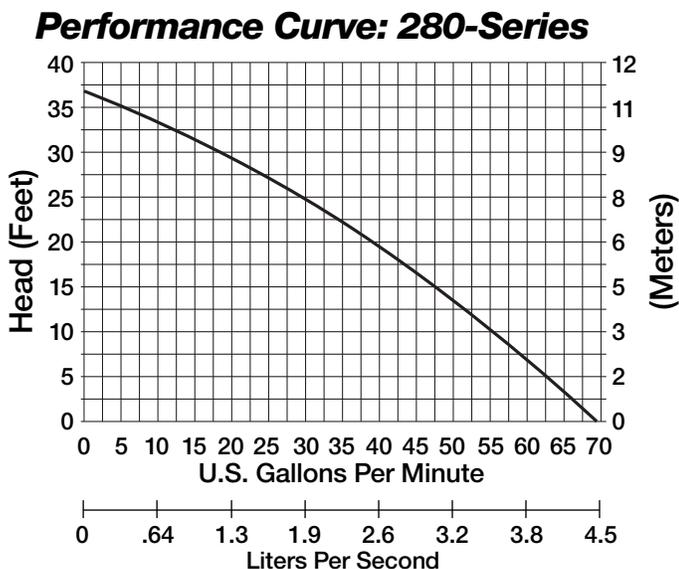
Weight: 29 lbs.
Height: 13"
Major Width: 9.6" (model 280)

Minimum Sump Diameters:

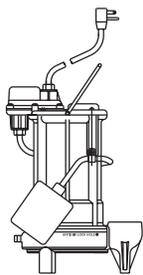
Model 281, 283...14"
Model 287 VMF...10"

Factory switch settings	Model 281, 283	Model 287 VMF
Turn on level	12.5"	9.5"
Turn off level	6"	4.0"

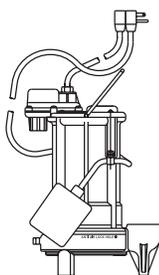
The Model 283 features a fully adjustable wide-angle float. Differential adjustments can be made easily by tethering the float to the discharge pipe or other mounting point. Vertical float model 287 is not adjustable.



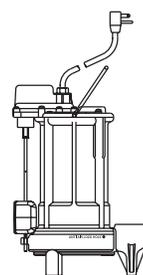
Model 280
Manual,
no switch



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



Specifications are subject to change without notice.