

280-SERIES

Cast Iron Submersible Sump/Effluent Pump

Liberty Pumps®

A Family and Employee Owned Company

1/2 hp

1-1/2" Discharge

3/4" Solids Handling

Features

- Liberty Pumps unique, one-piece "Uni-Body" casting
- Quick-connect 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 motor with thermal overload protection
- Stainless-steel removable bottom screen
- Stainless-steel rotor shaft
- Stainless-steel fasteners

115V Models

280 Manual

281 Wide-Angle Float Switch with Quick-connect

283 Wide-Angle Float Switch, Series Plug

287 Vertical Magnetic Float (VMF) Switch for heavy-duty sump pump applications

208-230V Models

280HV Manual

281HV Wide-Angle Float Switch with Quick-connect

283HV Wide-Angle Float Switch, Series Plug

287HV Vertical Magnetic Float (VMF) Switch

Wide-angle float switches are mercury-free, mechanically activated.



Available with
Vertical Magnetic
Float Switch



innovate. evolve.

280-Series

Impeller

Vortex style engineered polymer

Paint

Powder coat

Max Fluid Temperature

140°F (60°C) Intermittent
104°F (40°C) Continuous duty

Motor Specifications

1/2 hp 8A (115V) 4A (208/230V)
Oil-Filled; Thermally Protected
(PSC) Permanent Split Capacitor

Power Cord Type

SJTW (10' and 15' models)
SJTOOW (35' and 50' models)

Motor Housing

Class 25 cast iron

Dimensional Data

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

Shaft

Stainless

Hardware

Stainless

Mechanical Shaft Seal

Unitized ceramic carbon

Bearings

Upper and lower ball bearings

Minimum Sump Diameters

Models 281, 283 14"
Model 287 10"

FACTORY SWITCH SETTINGS	MODELS 281 & 283	MODEL 287
Turn on level	13"	9.5"
Turn off level	7"	4"

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

Cord Lengths

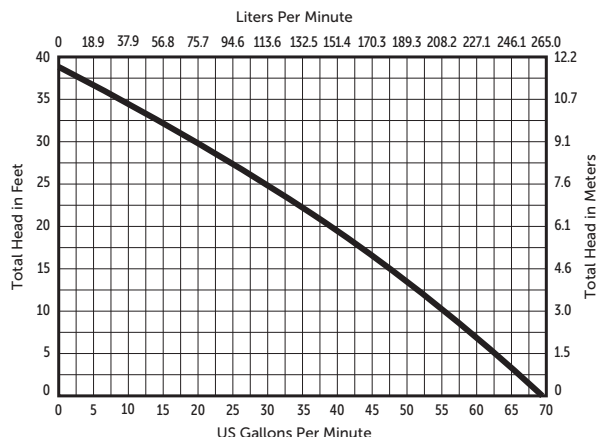
MODEL	10'	25'[-2]	35'[-3]	50'[-5]
280	Standard	Optional	Optional	Optional
281	Standard	Optional	Optional	Optional
283	Standard	Optional	Optional	N/A
287	Standard	Optional	N/A	N/A

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

Performance Curve

60 Hz, 3450 RPM

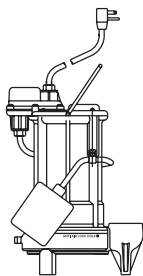


Effluent Models

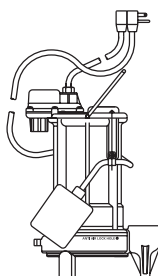
Sump Models



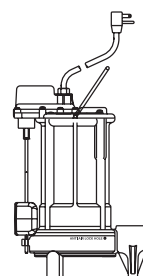
Model 280
Manual,
no float switch



Model 281
Wide-angle
float switch
with Quick-
connect



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



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