

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
- Stainless steel hardware
- Stainless steel rotor shaft
- Permanently lubricated upper and lower bearings
- Oil-filled, hermetically sealed motor with thermal overload protection
- Stainless steel removable bottom screen
- Quick-connect power cord allows replacement of cord in seconds without breaking motor seal

Available switches:

- Manual (No switch)
- Heavy-duty Vertical Magnetic Float (VMF)
- Integral wide-angle float
- Wide-angle float with piggyback plug



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280-Series

Max Fluid Temperature

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

Power Cord Type

SJTW (10' and 25' models)
SJTOOW (35' and 50' models)

Motor Housing

Class 25 cast iron

Mechanical Shaft Seal

Carbon ceramic

Bearings

Upper and lower ball bearings

Motor Specifications

Oil-filled, thermally protected
Permanent Split Capacitor (PSC)

Dimensional Data

Height: 13"

Major Width: 10" (Model 287)

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

Minimum Sump Diameters

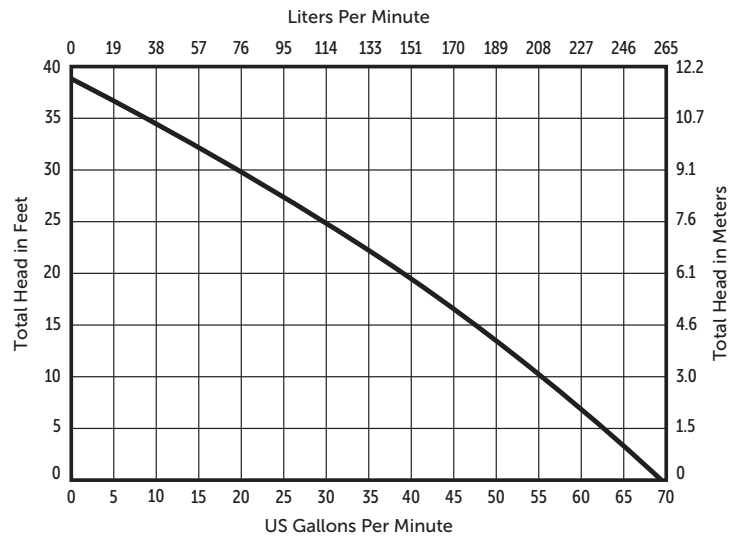
Models 281, 283 14"
Model 287 10"

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.

Performance Curve

60 Hz, 3450 RPM



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

Models

MODELS	HP	VOLTS	PHASE	AMPS	AUTOMATIC	SWITCH TYPE	WEIGHT IN LBS
280	1/2	115	1	5.2	No	Manual	29
280HV	1/2	230	1	2.6	No	Manual	29
281	1/2	115	1	5.2	Yes	Integral Wide-Angle	29
281HV	1/2	230	1	2.6	Yes	Integral Wide-Angle	30
283	1/2	115	1	5.2	Yes	Wide-Angle Piggyback	30
283HV	1/2	230	1	2.6	Yes	Wide-Angle Piggyback	30
287	1/2	115	1	5.2	Yes	Vertical Magnetic Float	29
287HV	1/2	230	1	2.6	Yes	Vertical Magnetic Float	29

Consult engineering spec sheets for more data.

Specifications subject to change without notice.

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