

STAINLESS STEEL / CAST IRON

## Pre-assembled Simplex Sewage Pump Kit

**1/2**  
HORSEPOWER  
MOTOR

With Tethered Float Switch

### PUMP FEATURES

- Energy efficient 1/2 HP split capacitor motor. Lower amp draw, runs cooler, lasts longer
- Rugged solid cast iron pump base & stainless steel housing
- Hermetically sealed, oil cooled motor for long pump life
- Solid stainless steel vortex impeller for ultimate durability & corrosion resistance
- 2" NPT discharge
- Handles up to 2" solids
- Automatic operation with tethered float switch
- Float switch features a piggyback plug which allows for manual or automatic operation
- Motor is thermally protected with automatic reset thermal protector
- Stainless steel motor shaft
- Carbon/ceramic/stainless steel mechanical shaft seal
- Upper and lower permanently lubricated ball bearings
- Stainless steel fasteners
- Every unit is 100% pressure tested

### BASIN FEATURES

- Tough polyethylene structural foam construction
- Gasket sealed liquid and airtight cover with 8 bolts
- 2" Discharge & vent
- 4" Inlet Hub

**PREASSEMBLED FOR EASY INSTALLATION**

ENERGY EFFICIENT  
**SPLIT**  
**CAPACITOR**  
**MOTOR**

**3 YEAR**  
LIMITED WARRANTY



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# Pre-assembled Simplex Sewage Pump Kit

**1/2**  
HORSEPOWER  
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## Application

Pre-assembled submersible sewage pump kit for typical residential and light commercial applications where materials must be moved upward to sewer or septic lines or to drainage fields

## Motor Specifications

Horsepower	1/2 HP
Voltage	120
Amps	12
Hertz	60 Hz
Phase	Single
RPM	3450 RPM
Motor Type	Permanent Split Capacitor (PSC)
Insulation	Class A
Circuit Requirements	15 amp (min) individual circuit
Duty Rating	Continuous*
Shaft Seal	Carbon/ceramic and stainless steel
Motor Shaft	Stainless Steel
Upper Motor Bearing	Ball Bearing
Lower Motor Bearing	Ball Bearing
Cooling	Oil cooled
Motor Protection	Auto reset thermal overload protector

\*For continuous operation, the water depth must be at least 8" to prevent the motor from overheating.

## Pump Specifications

Discharge Size	2" NPT
Cord Length	25'
Cord Type	SJTW, UL listed, 3-wire, 18 gauge
Pump Housing	Stainless steel
Pump Base	Cast iron
Pump Housing Cap	Reinforced thermoplastic
Impeller Material	Stainless steel
Impeller Type	Vortex
Gasket	Buna-N
Solids Handling	2" spherical
Liquid Temp. Range	32°- 120° F
Operation	Automatic or non-automatic
Fasteners	Stainless steel
Max Flow Rate	140 Gallons per minute
Maximum Head	30 feet
Max Pressure	13 psi
Weight	28.5 lbs

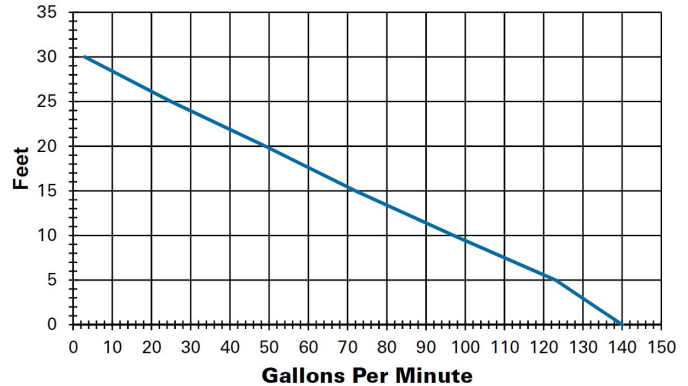
## Automatic Switch Specifications

Type	Wide angle tethered
Switch on point	16"
Switch off point	8"
Material	ABS
Cord Length	25'
Cord Type	SJOW, UL listed, 2-wire, 18 gauge

## Basin Specifications

Construction	Polyethylene structural foam
Capacity	30 gallons
Seal	PVC - reusable
Inlet Hub Size	4"
Discharge Size	2"
Vent Size	2"

## Performances



Discharge Height	0'	5'	10'	15'	20'	25'	30'
Gallons Per Minute	140	123	97	72	49	25	3
Gallons Per Hour	8400	7380	5820	4320	2940	1500	180

## Dimensions

