

CAST IRON

# Pre-assembled Simplex Sewage Pump Kit

**1/2**  
 HORSEPOWER  
 MOTOR

*With Vertical Float Switch*

## PUMP FEATURES

- Energy efficient 1/2 HP split capacitor motor. Lower amp draw, runs cooler, lasts longer
- Solid cast iron pump base & housing. No plastic parts to crack or break
- Corrosion resistant, powder coated epoxy finish
- 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 vertical 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

ENERGY EFFICIENT  
**SPLIT CAPACITOR MOTOR**

**3 YEAR**  
 LIMITED WARRANTY

## BASIN FEATURES

- Tough polyethylene construction
- Gasket sealed liquid and airtight cover with 8 bolts
- 2" Discharge & vent
- Built-in anti float collar prevents basin from floating
- Molded torque stops prevent pump from turning
- Integrated 360° lifting handle

## MULTIPLE HUB OPTIONS (SOLD SEPARATELY)

1. Rubber coupling hub
2. Combo Hub
3. E-Hub
4. Bolt on hub



**PREASSEMBLED FOR EASY INSTALLATION**

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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	7.6
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	10'
Cord Type	SJTW, UL listed, 3-wire, 18 gauge
Pump Housing	Cast iron
Pump Base	Cast iron
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	80 Gallons per minute
Maximum Head	25 feet
Max Pressure	10.8 psi
Weight	26 lbs

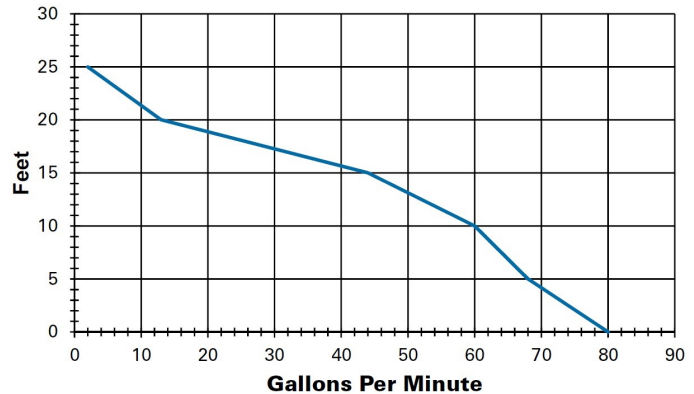
## Automatic Switch Specifications

Type	SJE Rhombus Vertical Master II
Switch on point	12"
Switch off point	4"
Material	High impact PVC
Cord Length	10'
Cord Type	SJOW, UL listed, 2-wire, 18 gauge

## Basin Specifications

Construction	Polyethylene
Capacity	45 gallons
Seal	PVC - reusable
Hub Size	Multiple options - see front page for options
Discharge Size	2"
Vent Size	2"

## Performances



Discharge Height	0'	5'	10'	15'	20'	25'
Gallons Per Minute	80	68	60	44	13	2
Gallons Per Hour	4800	4080	3600	2640	780	120

## Dimensions

