

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
- 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 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**

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	26.0 lbs
Automatic Switch Specifications	
Type	Wide angle tethered
Switch on point	16"
Switch off point	8"
Material	ABS
Cord Length	10'
Cord Type	SJDW, 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"

