

STAINLESS STEEL / 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
- 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 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

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





1/2
HORSEPOWER
MOTOR



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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	15'
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	27.5 lbs

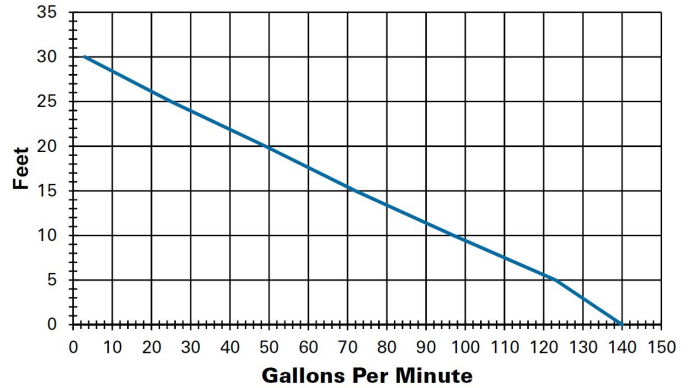
Automatic Switch Specifications

Type	SJE Rhombus Vertical Master II
Switch on point	12"
Switch off point	4"
Material	High impact PVC
Cord Length	15'
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

