

# Wastewater

## Product Catalog

• Sump • Sewage • Effluent • Utilities • Accessories



18.40

8.42



A-K602

Wastewater

Water Systems

HVAC

Industrial

Engineered  
Products

Little **GIANT**®

# New Products

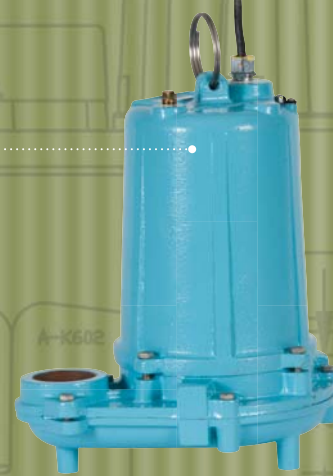
## 6EN and 10EN Sump/Effluent Series Pumps

Little Giant's new 6EN and 10EN Series pumps are designed for extended or continuous use in dewatering and light effluent applications. These pumps now have PSC motors which consume less energy while delivering higher performance.



## WS Effluent Series

The WS Series effluent pumps are available in 1/3 hp, 1/2 hp and 1 hp models. These oil-filled pumps were designed to provide maximum torque and feature a three vane non-clog impeller and a 3/4" solids handling capability. These pumps are ideal for residential and light commercial effluent pumping applications.



## Simplex Grinder Packages

These new packages are ideal for residential sewage waste transfer where high head conditions exist. With 2 hp single-phase sewage grinder pump and capacitor start/run motor with built-in overload protection for over-current and over-temperature damage. Pumps are designed with a seven-vane, angled face, non-clogging and balanced brass impeller for superior heavy duty grinding and sewage waste transfer. Basins are heavy-duty fiberglass material; 24" diameter and are available in 60", 72" and 84" depths.



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## Sump Pumps

# 5.5 SERIES 1/4 HP



### Applications

- Basement sumps

### Features

- 1/4 hp shaded pole motor with overload protection
- Zinc housing, polypropylene volute for corrosion-resistance
- 3/4" (19 mm) garden hose adapter included
- Integral snap action float switch
- Multiple power cord lengths available
- UL and CSA listed

### Series Specifications

**Capacity:** 40 gpm @ 1' (151 lpm @ 0.3 m)

**Shut Off:** 25' (7.6 m)

**Liquid Temperature:** 120 °F (49 °C)

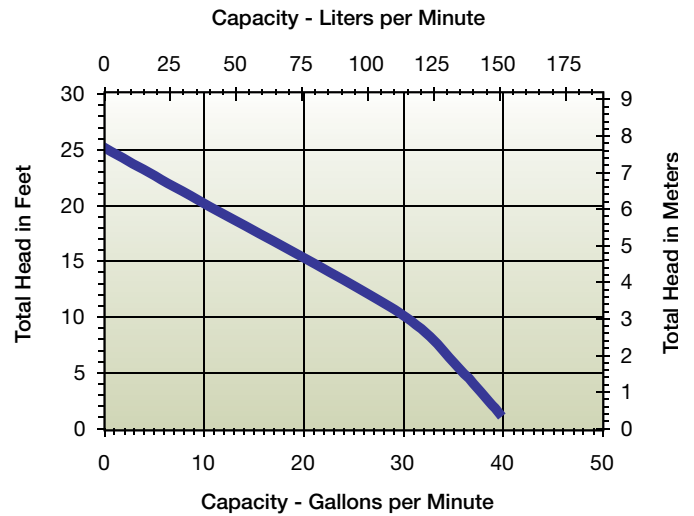
**Discharge:** 1-1/4" FNPT (31.7 mm)

**Electrical:** 115 V, 60 Hz

**Operation:** Automatic

**Solids Handling:** Up to 3/8" (9.5 mm)

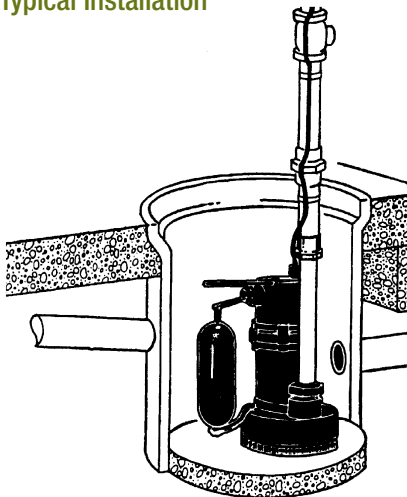
### Performance Curve



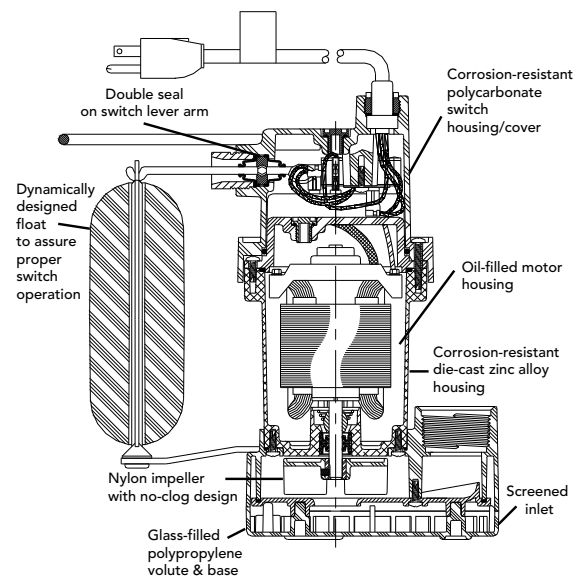
### Model Characteristics

Item #	Model	Volts	Adapter	Cord	Switch Type	On Level	Off Level
505700	5.5-ASP	115	1-1/4" FNPT 31.7 mm	10' 3 m	Integral Snap Action Float	7" - 10" 17.8 cm - 25.4 cm	2" - 5" 5 cm - 12.7 cm
505701	5.5-ASP	115	1-1/4" FNPT 31.7 mm	25' 7.6 m	Integral Snap Action Float	7" - 10" 17.8 cm - 25.4 cm	2" - 5" 5 cm - 12.7 cm

### Typical Installation



### Features



## Sump Pumps

# SP25 SERIES 1/4 HP



### Applications

- Basement sumps, dewatering and water transfer

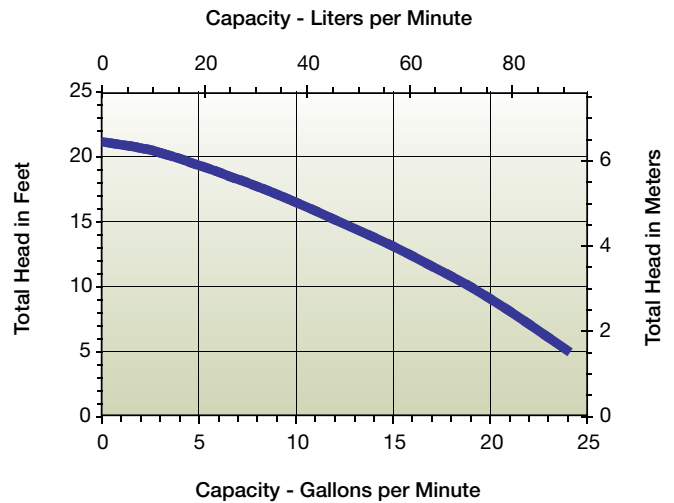
### Features

- 1/4 hp oil-free motor with overload protection
- Designed for continuous duty
- Pumps down to 1/4" (6 mm)
- Removable filter screen for easy cleaning
- Corrosion-resistant aluminum housing
- Stainless steel heat treated shaft
- cCSAus listed

### Series Specifications

- Capacity:** 24 gpm @ 5' (91 lpm @ 1.5 m)
- Shut Off:** 21' (6.4 m)
- Liquid Temp:** 120 °F (49 °C)
- Discharge:** 1-1/4" NPT (31.7 mm)
- Impeller:** Glass reinforced thermoplastic
- Electrical:** 115 V, 60 Hz
- Operation:** Automatic
- Solids Handling:** Up to 1/8" (3.18 mm)

### Performance Curve



### Model Characteristics

Item #	Model	Volts	Cord	Switch Type	On Level	Off Level
620136	SP25A	115	10' 3 m	Mechanical Float	13.4" 34.0 cm	7.5" 19.0 cm

## Sump Pumps

# SP33 SERIES 1/3 HP



### Applications

- Basement sumps, dewatering and water transfer

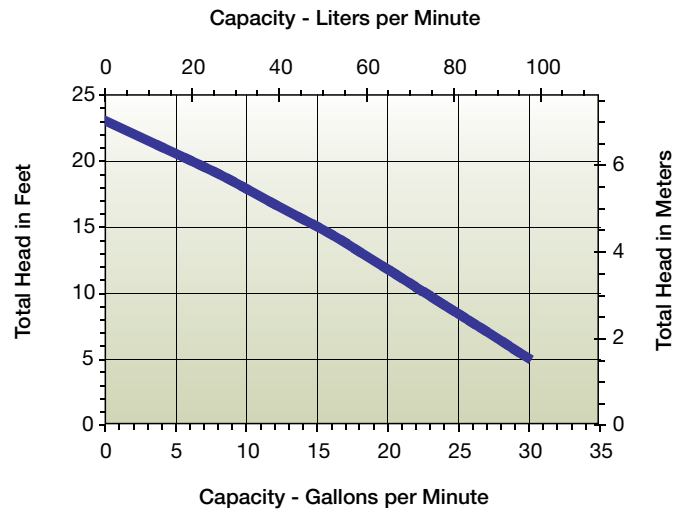
### Features

- 1/3 hp oil-free motor with overload protection
- Designed for continuous duty
- Stainless steel motor housing
- Stainless steel heat treated shaft
- Built in suction strainer with removable filter screen for easy cleaning
- Mechanical float switch for automatic operation
- cCSAus

### Series Specifications

- Capacity:** 30 gpm @ 5' (113 lpm @ 1.5m)
- Shut Off:** 23' (7.01 m)
- Liquid Temp:** 120 °F (49 °C)
- Discharge:** 1-1/4" NPT (31.7 mm)
- Impeller:** Non-clog thermoplastic impeller
- Electrical:** 115 V, 60 Hz
- Operation:** Automatic

### Performance Curve



### Model Characteristics

Item #	Model	Cord	Volts	Switch Type	On Level	Off Level
620135	SP33A	10' 3 m	115	Mechanical Float	11.8" 29.9 cm	5.9" 14.9 cm

## Sump Pumps

# TSW SERIES 1/3 HP



### Applications

- Basement sumps, flood control

### Features

- 1/3 hp permanent split capacitor motor
- Non-corrosive construction
- Designed to be installed suspended from basin cover; leg kit raises pump 2-1/4" (5.7 cm)
- Mechanical seal
- Upper and lower single row ball bearings
- Solid state switch for automatic operation
- Electrical plug has high water alarm light, 85 dba horn and run light built in
- Includes leg kit
- UL and CSA listed

### Series Specifications

**Capacity:** 45 gpm @ 5' (170 lpm @ 1.5 m)

**Shut Off:** 32' (9.8 m)

**Liquid Temperature:** 140 °F (60 °C)

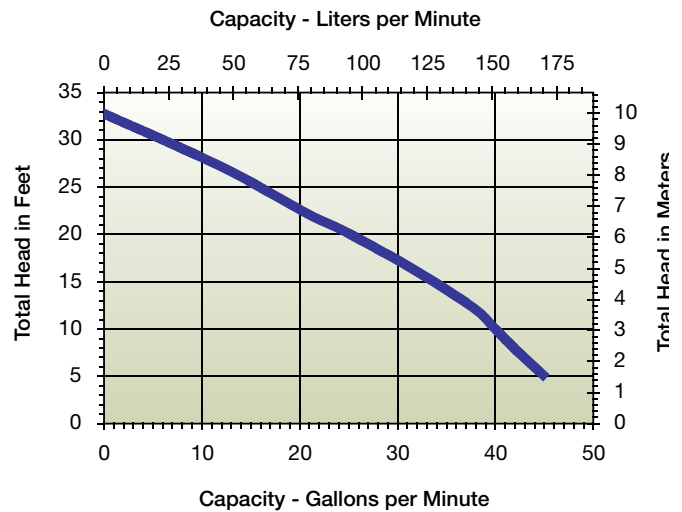
**Discharge:** 1-1/2" FNPT (38 mm)

**Impeller:** Recessed nylon

**Electrical:** 115 V, 60 Hz

**Operation:** Automatic

### Performance Curve



### Model Characteristics

Item #	Model	Volts	Cord	Switch Type	On Level	Off Level	Alarm Level
507700	TSW-SP	115	10' 3 m	Integral Solid State Electronic	10.5" - 11.5" 26.7 cm - 29.2 cm	3" - 4" 7.6 cm - 10.2 cm	11.5" - 12.5" 29.2 cm - 31.7 cm

## Battery Back-Ups

# TSW-APS 1/3 HP



### Applications

- Basement sumps, flood control

### Features

- Eliminates need and cost of installing a "back-up" pump that operates when power is out
- Converts pump to DC power in the event of a power failure
- Includes inverter, battery box and battery cover strap (battery not included)

### Features

Item #	Model
507701	TSW-APS

## Sump Pumps

# 6 SERIES 1/3 HP



### Applications

- Basement sumps, dewatering, water transfer

### Features

- 1/3 hp shaded pole motor with overload protection
- Designed for continuous duty
- Epoxy coated cast iron housing
- 1-1/4" (31.7 mm) adapter and 3/4" (19 mm) garden hose adapter available
- Carbon/ceramic shaft seal
- Upper and lower sintered sleeve bearings
- Multiple switch options for automatic operation
- Multiple power cord lengths available
- cCSAus listed (115 V models only)

### Series Specifications

**Capacity:** 46 gpm @ 5' (174 lpm @ 1.5 m)

**Shut-Off:** 18' (5.5 m)

**Liquid Temperature:** 140 °F (60 °C)

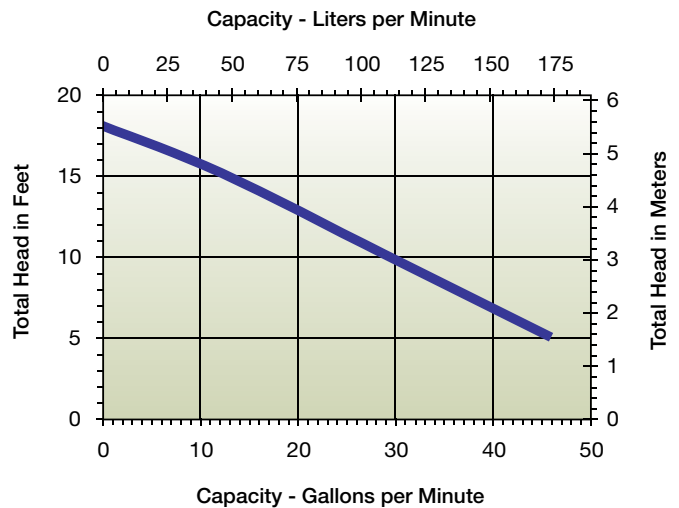
**Discharge:** 1-1/2" FNPT (38 mm)

**Impeller:** Nylon

**Electrical:** 115 V, 50/60 Hz  
230 V, 50/60 Hz

**Operation:** Automatic or manual

### Performance Curve



### Model Characteristics

Item #	Model	Volts	Adapter	Cord	Switch Type	On Level	Off Level
506158	6-CIA	115	1-1/4" FNPT 31.7 mm	10' 3 m	Integral Diaphragm	7" - 10" 17.8 cm - 25.4 cm	1" - 4" 2.5 cm - 10.2 cm
506162	6-CIA*	115	1-1/4" FNPT 31.7 mm	10' 3 m	Integral Diaphragm	7" - 10" 17.8 cm - 25.4 cm	1" - 4" 2.5 cm - 10.2 cm
506125	6-CIA	115	1-1/4" FNPT 31.7 mm	25' 7.6 m	Integral Diaphragm	7" - 10" 17.8 cm - 25.4 cm	1" - 4" 2.5 cm - 10.2 cm
506166	6-CIA	230	1-1/4" FNPT 31.7 mm	10' 3 m	Integral Diaphragm	7" - 10" 17.8 cm - 25.4 cm	1" - 4" 2.5 cm - 10.2 cm
506171	6-CIA-RFS	115	1-1/4" FNPT 31.7 mm	10' 3 m	Piggyback Mechanical Float	9" - 11" 23 cm - 28 cm	3" - 5" 7.6 cm - 12.7 cm
506267	6-CIA-RS	115	1-1/4" FNPT & 3/4" GHT 31.7 mm & 19 mm	10' 3 m	Piggyback Diaphragm	7" - 10" 17.8 cm - 25.4 cm	1" - 4" 2.5 cm - 10.2 cm
506266	6-CIM	230	1-1/4" FNPT & 3/4" GHT 31.7 mm & 19 mm	12' 8.6 m	Manual	-	-
506271	6-CIM-R	115	1-1/4" FNPT & 3/4" GHT 31.7 mm & 19 mm	10' 3 m	Manual	-	-
506274	6-CIM-R	115	1-1/4" FNPT & 3/4" GHT 31.7 mm & 19 mm	25' 7.6 m	Manual	-	-

\*Includes riser legs



## Sump Pumps

# VS-P SERIES 1/3 HP



### Applications

- Basement sumps

### Features

- 1/3 hp
- Designed for continuous duty
- 1-1/4" FNPT (31.7 mm) discharge
- ABS plastic volute for corrosion-resistance
- Thermal overload protection
- Adjustable snap action float switch
- 8' (2.4 m) power cord
- UL and CSA listed

### Series Specifications

**Capacity:** 47 gpm @ 5' (178 lpm @ 1.5 m)

**Shut-Off:** 17' (5 m)

**Liquid Temperature:** 140 °F (60 °C)

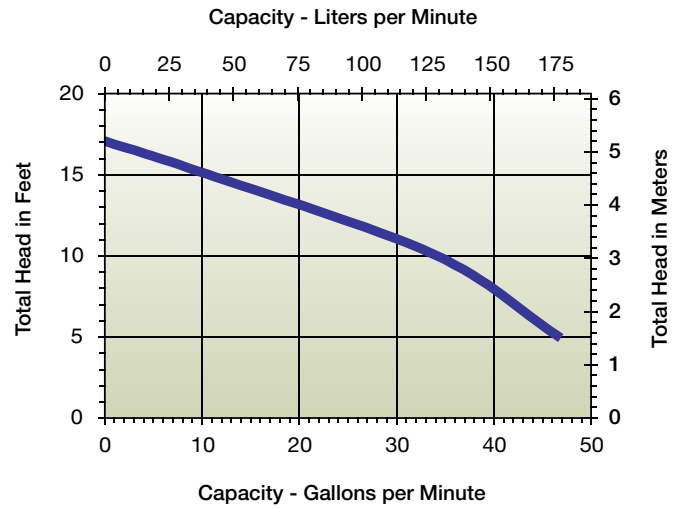
**Discharge:** 1-1/4" (31.7 mm)

**Electrical:** 115 V, 60 Hz

**Operation:** Automatic

**Solids Handling:** Up to 1/4" (6 mm)

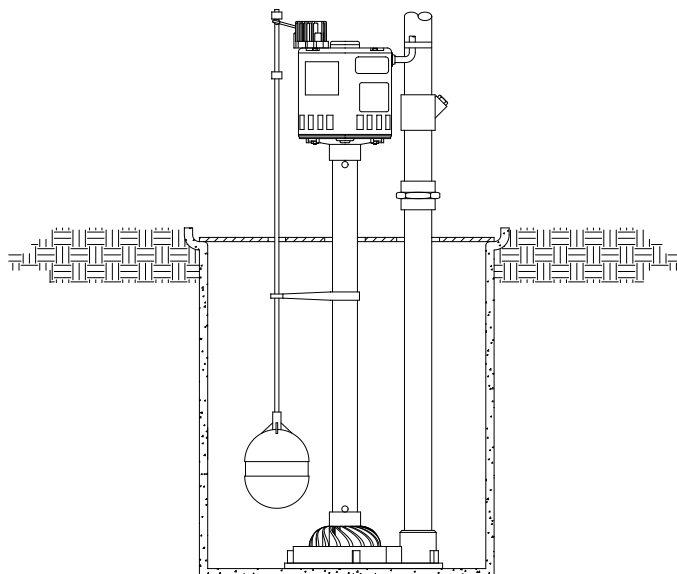
### Performance Curve



### Model Characteristics

Item #	Model	Volts	Cord	Switch Type	On Level	Off Level
547151	VS-P2800	115	8' 2.4 m	Adjustable Snap Action Float	10" - 5" 25.4 cm - 12.7 cm	9" - 4" 23 cm - 10.2 cm

### Typical Installation



## Sump Pumps

# ESP33 SERIES

## 1/3 HP

Sump/Effluent



### Applications

- Dewatering, water transfer, effluent and wastewater removal

### Features

- 1/3 hp oil-free motor with overload protection
- Designed for continuous duty
- Cast iron or thermoplastic motor cover and casing options
- Stainless steel heat treated shaft
- Permanently lubricated upper/lower ball bearings and double lip seal
- Multiple switch options for automatic operation
- cCSAus listed

### Series Specifications

**Capacity:** 44 gpm @ 5' (167 lpm @ 1.5m)

**Shut Off:** 17.5' (5.33 m)

**Liquid Temperature:** 120 °F (49 °C)

**Discharge:** 1-1/2" NPT (38 mm) (reducer included for 1-1/4" [31.7 mm])

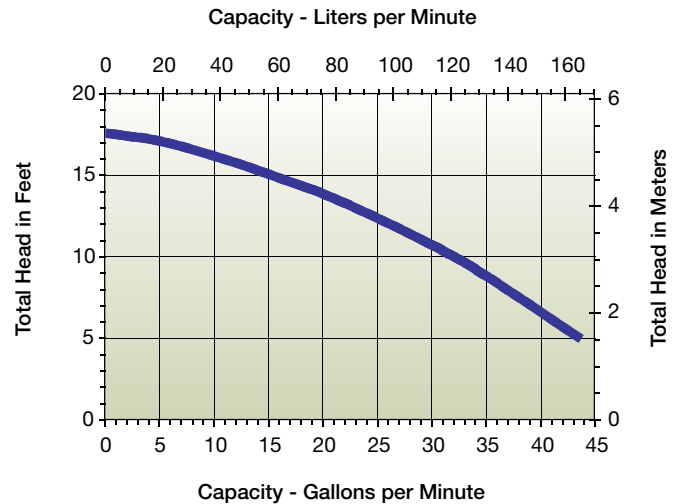
**Impeller:** 5 vane reinforced polypropylene

**Electrical:** 115 V, 60 Hz

**Operation:** Automatic or manual

**Solids Handling:** 1/2" (12.7 mm)

### Performance Curve



### Model Characteristics

Item #	Model	Cover/Casing Option	Volts	Cord	Switch Type	On Level	Off Level
620186	ESP33AM	Cast Iron	115	10' 3 m	Piggyback Mechanical	12" 30.5 cm	5" 12.7
620185	ESP33AM-P	Plastic	115	10' 3 m	Piggyback Mechanical	12" 30.5 cm	3.5" 8.9 cm
620120	ESP33AV	Cast Iron	115	10' 3 m	Vertical Mechanical	5" 12.7 cm	3.5" 8.9 cm
620121	ESP33AV-P	Plastic	115	10' 3 m	Vertical Mechanical	5" 12.7 cm	3.5" 8.9 cm
620089	ESP33M	Cast Iron	115	10' 3 m	Manual	-	-

## Sump Pumps

# 6EN SERIES

## 1/3 HP

Sump/Effluent



### Applications

- Basement sumps, dewatering, water transfer, light effluent

### Features

- 1/3 hp permanent split capacitor (PSC) motor with overload protection
- Energy saving low amp draw
- Cooler running motor
- Designed for continuous duty
- Epoxy coated cast iron housing
- Multiple switch options for automatic operation
- Multiple power cord lengths available
- cCSAus listed

### Series Specifications

**Capacity:** 50 gpm @ 5' (189 lpm @ 1.5 m)

**Shut Off:** 22' (6.7 m)

**Liquid Temperature:** 140 °F (60 °C)

**Discharge:** 1-1/2" FNPT (38 mm)

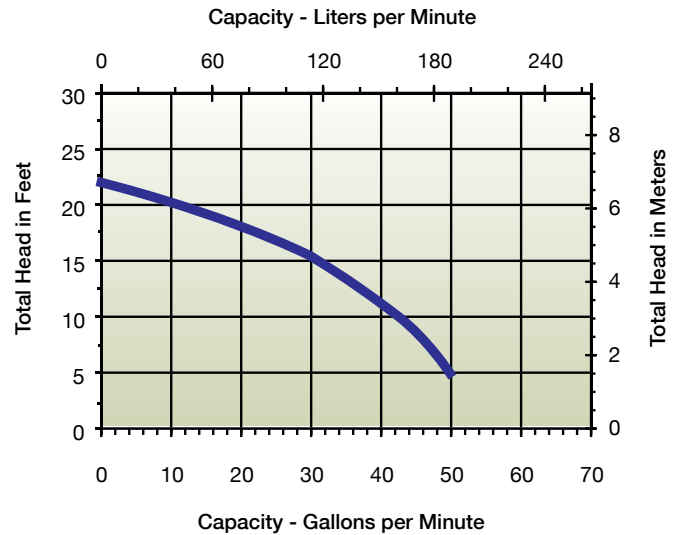
**Impeller:** Vortex

**Electrical:** 115 V, 60 Hz  
230 V, 50/60 Hz

**Operation:** Automatic or manual

**Solids Handling:** 1/2" (12.7 mm)

### Performance Curve



### Model Characteristics

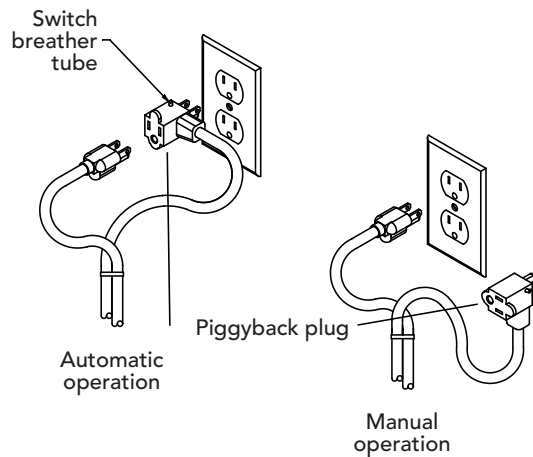
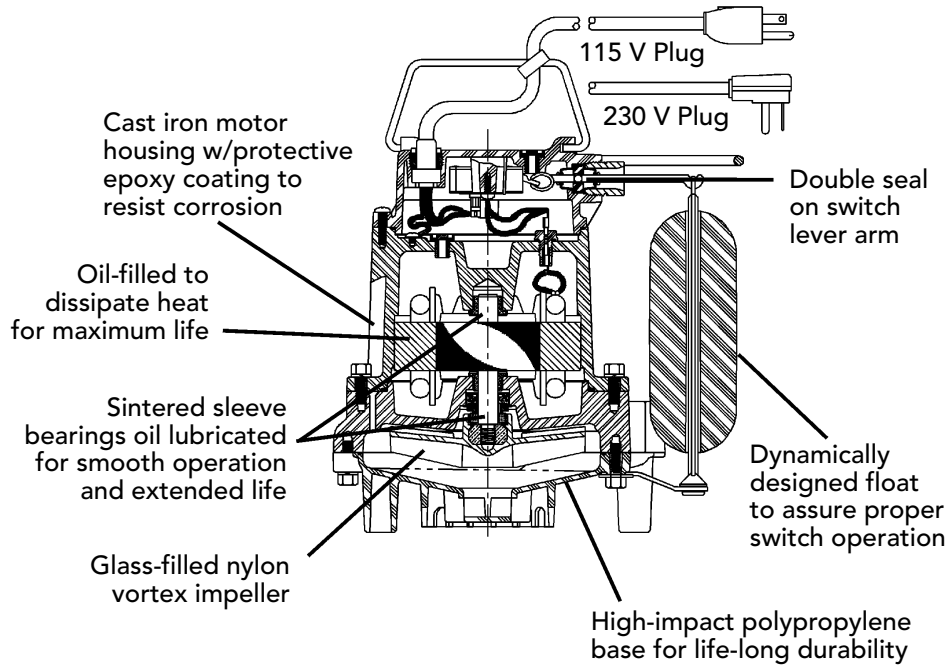
Item #	Model	Volts	Cord	Running Amps/Watts	Switch Type	On Level	Off Level
506630	6EN-CIA-SFS	115	10' 3 m	6/600	Integral Snap Action Float	7" - 10" 17.8 cm - 25.4 cm	2" - 5" 5 cm - 12.7 cm
506631	6EN-CIA-SFS	115	20' 6 m	6/600	Integral Snap Action Float	7" - 10" 17.8 cm - 25.4 cm	2" - 5" 5 cm - 12.7 cm
506635	6EN-CIA-SFS	230	10' 3 m	3/600	Integral Snap Action Float	7" - 10" 17.8 cm - 25.4 cm	2" - 5" 5 cm - 12.7 cm
506636	6EN-CIA-SFS	230	20' 6 m	3/600	Integral Snap Action Float	7" - 10" 17.8 cm - 25.4 cm	2" - 5" 5 cm - 12.7 cm
506619	6EN-CIA-RF	115	20' 6 m	6/600	Piggyback Mechanical Float	7" - 10" 17.8 cm - 25.4 cm	2" - 5" 5 cm - 12.7 cm
506620	6EN-CIA-RF	115	10' 3 m	6/600	Piggyback Mechanical Float	7" - 10" 17.8 cm - 25.4 cm	2" - 5" 5 cm - 12.7 cm
506610	6EN-CIM	115	10' 3 m	6/600	Manual	-	-
506611	6EN-CIM	115	20' 6 m	6/600	Manual	-	-
506612	6EN-CIM	115	25' 7.6 m	6/600	Manual	-	-
506615	6EN-CIM	230	10' 3 m	3/600	Manual	-	-
506616	6EN-CIM	230	20' 6 m	3/600	Manual	-	-
506641	6EN-CIM (Black)	115	20' 6 m	6/600	Manual	-	-

# 6EN SERIES

## 1/3 HP

Sump/Effluent continued

### Features



Piggyback plug installation  
(6EN - CIA - SFS)

## Sump Pumps

# 6E SERIES (High Temperature)

## 1/3 HP

Sump/Effluent



### Applications

- Boiler blow-down sump pits, transformer vaults

### Features

- 1/3 hp shaded pole motor with overload protection
- Designed for continuous duty
- Epoxy coated cast iron housing
- Carbon/Ni-Resist & Viton® shaft seal
- Upper and lower sintered sleeve bearings
- CSA listed

### Series Specifications

**Capacity:** 50 gpm @ 5' (189 lpm @ 1.5 m)

**Shut Off:** 20' (6 m)

**Liquid Temperature:** 200 °F (93 °C)

**Discharge:** 1-1/2" FNPT (38 mm)

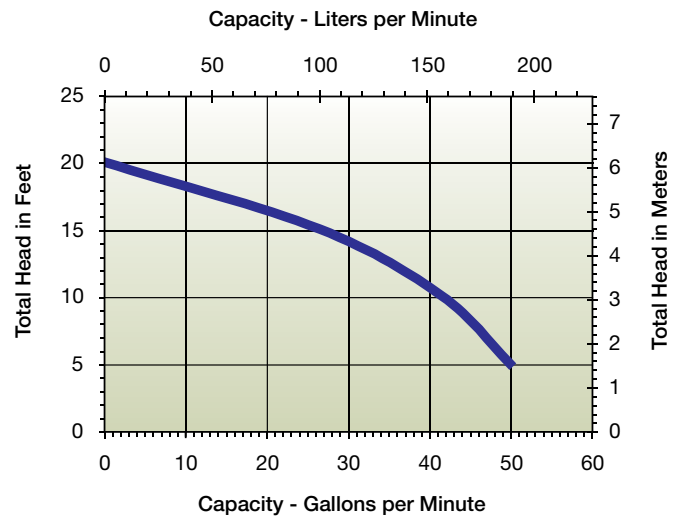
**Impeller:** Vortex nylon

**Electrical:** 115 V, 60 Hz

**Operation:** Automatic

**Solids Handling:** 1/2" (12.7 mm)

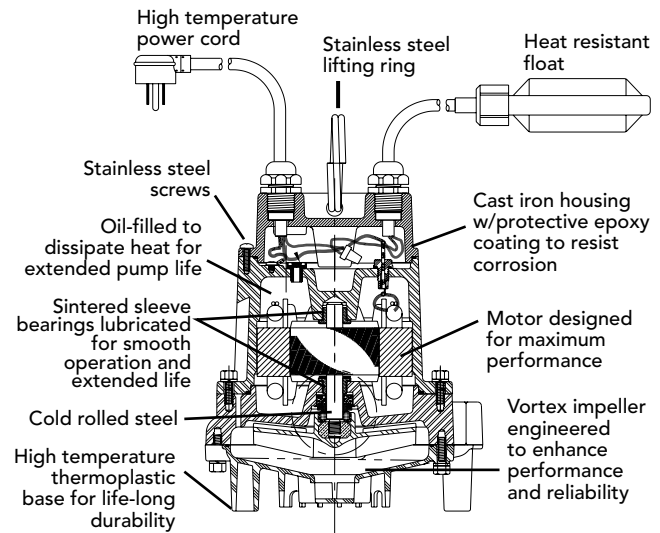
### Performance Curve



### Model Characteristics

Item #	Model	Volts	Cord	Switch Type	On Level	Off Level
506600	HT-6E-CIA-FS	115	15' 4.6 m	Integral Mechanical Float	11" - 14" 27.9 cm - 35.5 cm	2" - 4" 5 cm - 10.2 cm

### Features



## Sump Pumps

# ES33 SERIES

## 1/3 HP

Sump



### Applications

- Basement sumps, dewatering, water transfer, light effluent

### Features

- 1/3 hp permanent split capacitor motor with energy-conserving low amp draw
- Designed for continuous duty
- Epoxy coated cast iron housing
- 1-1/2" FNPT (38 mm) discharge
- Carbon/ceramic shaft seal
- Upper sintered sleeve bearing and lower ball bearings
- Vortex engineered composite impeller
- Thermal overload protection
- Multiple switch options for automatic operation
- Multiple power cord lengths available
- Manual operation available
- cCSAus listed

### Series Specifications

**Capacity:** 52 gpm @ 5' (197 lpm @ 1.5 m)

**Shut Off:** 20' (6 m)

**Liquid Temperature:** 140 °F (60 °C)

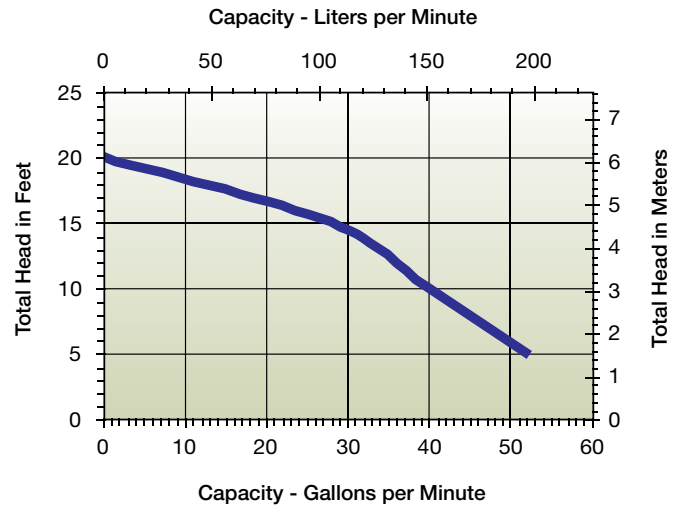
**Discharge:** 1-1/2" (38 mm)

**Electrical:** 115 V, 60 Hz

**Operation:** Automatic or manual

**Solids Handling:** Up to 3/8" (9.5 mm)

### Performance Curve



### Model Characteristics

Item #	Model	Volts	Cord	Switch Type	On Level	Off Level
506420	ES33D1-10	115	10' 3 m	Piggyback Vertical Diaphragm	10" - 11.25" 25.4 cm - 28.5 cm	4.25" - 5.25" 10.7 cm - 13.3 cm
506422	ES33V1-10	115	10' 3 m	Piggyback Vertical Mechanical	4.25" - 5.75" 10.7 cm - 14.6 cm	1.5" - 2.5" 3.8 cm - 6.3 cm
506424	ES33W1-10	115	10' 3 m	Piggyback Mechanical Float	11.5" - 12.5" 29.2 cm - 31.7 cm	4.5" - 5.5" 11.4 cm - 13.9 cm

## Sump Pumps

# 8 SERIES 4/10 HP



### Applications

- Basement sumps, dewatering, water transfer

### Features

- 4/10 hp shaded pole motor with overload protection
- Designed for continuous duty
- Epoxy coated cast iron housing
- Cast bronze housing available
- Carbon/ceramic shaft seal
- Upper and lower sintered sleeve bearings
- Integral diaphragm switch option for automatic operation
- Multiple power cord lengths available
- cCSAus

### Series Specifications

**Capacity:** 54 gpm @ 5' (204 lpm @ 1.5 m)

**Shut Off:** 22.9' (6.98 m)

**Liquid Temperature:** 140 °F (60 °C)

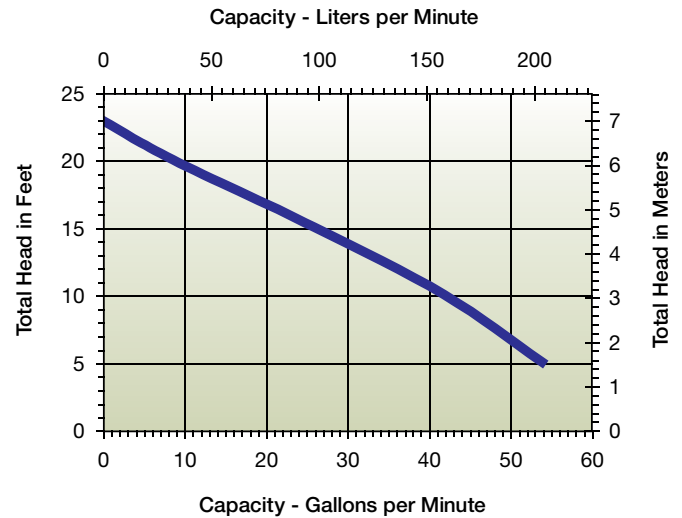
**Discharge:** 1-1/2" FNPT (38 mm)

**Impeller:** Polypropylene

**Electrical:** 115 V, 50/60 Hz

**Operation:** Automatic or manual

### Performance Curve



### Model Characteristics

Item #	Model	Volts	Cord	Housing	Switch Type	On Level	Off Level
508157	8-CIA	115	10' 3 m	Epoxy Coated Cast Iron	Integral Diaphragm	7" - 10" 17.8 cm - 25.4 cm	1" - 4" 2.5 cm - 10.2 cm
508158	8-CIA	115	25' 7.6 m	Epoxy Coated Cast Iron	Integral Diaphragm	7" - 10" 17.8 cm - 25.4 cm	1" - 4" 2.5 cm - 10.2 cm
508357	8-CBA	115	10' 3 m	Bronze	Integral Diaphragm	7" - 10" 17.8 cm - 25.4 cm	1" - 4" 2.5 cm - 10.2 cm
508057	8-CIM	115	10' 3 m	Epoxy Coated Cast Iron	Manual	-	-
508058	8-CIM	115	25' 7.6 m	Epoxy Coated Cast Iron	Manual	-	-
508257	8-CBM	115	10' 3 m	Bronze	Manual	-	-

## Sump Pumps

# 12 SERIES 1/2 HP



### Applications

- Basement sumps, dewatering, water transfer

### Features

- 1/2 hp split-phase motor
- Designed for continuous duty
- Cast bronze housing
- Carbon/ceramic shaft seal
- Upper and lower ball bearings
- UL and CSA listed

### Series Specifications

**Capacity:** 83 gpm @ 5' (314 lpm @ 1.5m)

**Shut Off:** 26' (7.92 m)

**Liquid Temperature:** 140 °F (60 °C)

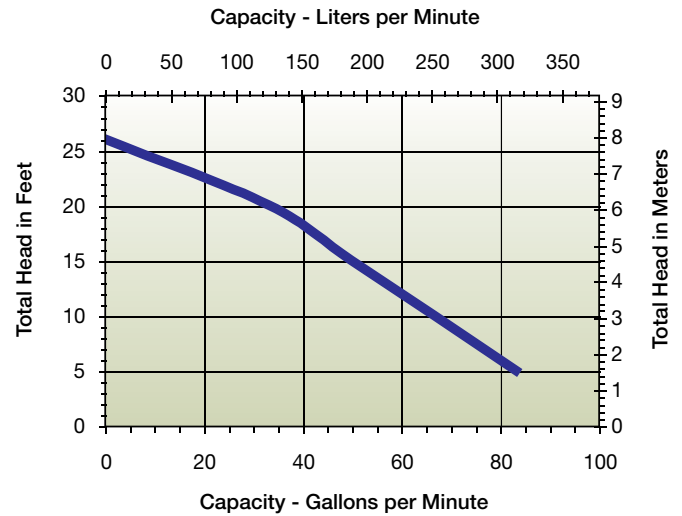
**Discharge:** 1-1/2" FNPT (38 mm)

**Impeller:** Nylon

**Electrical:** 115 V, 60 Hz

**Operation:** Automatic or manual

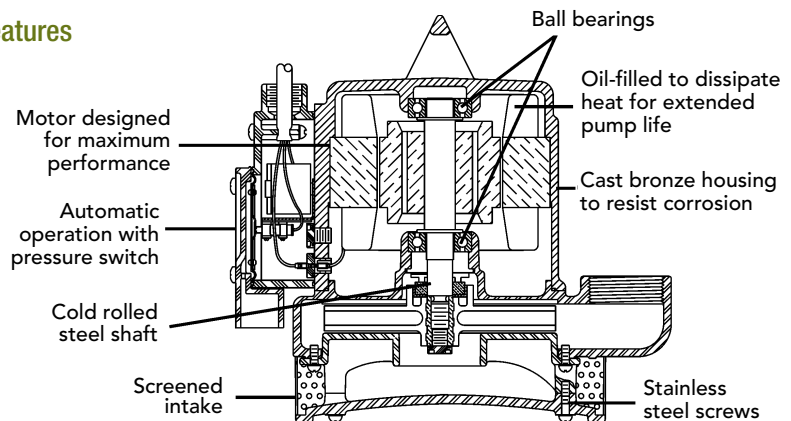
### Performance Curve



### Model Characteristics

Item #	Model	Volts	Cord	Switch Type	On Level	Off Level
512155	12-CBA	115	10' 3 m	Integral Diaphragm	8.5" - 12" 21.5 cm - 30.5 cm	1.5" - 5" 3.8 cm - 12.7 cm
512125	12-CBA	115	25' 7.6 m	Integral Diaphragm	8.5" - 12" 21.5 cm - 30.5 cm	1.5" - 5" 3.8 cm - 12.7 cm
512055	12-CBM	115	10' 3 m	Manual	-	-

### Features





## Sump Pumps

# WRS SERIES

## 1/3 HP

# Sump Packaged Systems



Drainosaur®

### Applications

- Impractical gravity drainage areas, under sinks, laundry trays

### Features

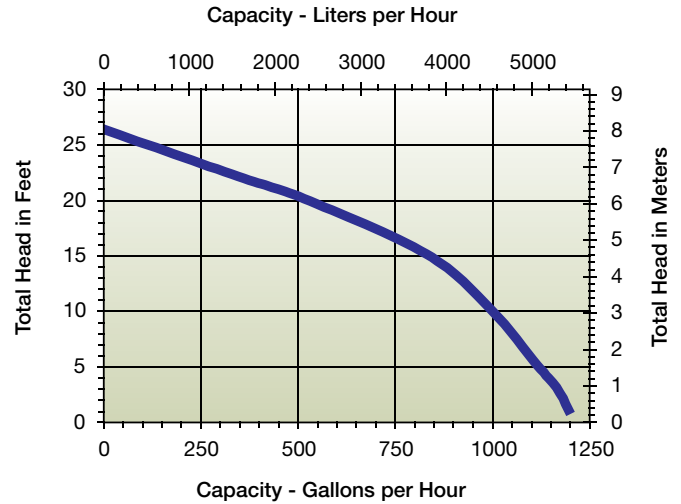
- Pre-assembled for easy installation
- Two tank size options available
- Multiple pump performance options
- Cylindrical polypropylene tank
- Includes 2 - 1-1/2" MNPT x 2" slip adapters for inlet and discharge and 1 - 2" MNPT x 1-1/2" slip adapter for vent
- Easy to remove filter trap available
- cCSAus (115 V models only)
- IAPMO approved basins

### Series Specifications

**Electrical:** 115 V, 60 Hz  
230 V, 50/60 Hz

**Operation:** Automatic

### Performance Curve



### Model Characteristics

Item #	Model	Tank Size	Filter Trap	Lid Side Intake Port	Lid Top Discharge Port	Lid Top Vent Port	Pipe Size Included (From Pump To Lid)
505055	WRS-5	5 Gallon	✓	1-1/2" FNPT 38 mm	1-1/2" FNPT 38 mm	2" FNPT 51 mm	1" Dia. 25.4 mm
506055	WRS-6	5 Gallon	✓	1-1/2" FNPT 38 mm	1-1/2" FNPT 38 mm	2" FNPT 51 mm	1-1/2" Dia. 38 mm
506056	WRS-6	5 Gallon	✓	1-1/2" FNPT 38 mm	1-1/2" FNPT 38 mm	2" FNPT 51 mm	1-1/2" Dia. 38 mm
509150	WRS-8E	5 Gallon	-	1-1/2" FNPT 38 mm	1-1/2" FNPT 38 mm	2" FNPT 51 mm	1-1/2" Dia. 38 mm
506065	WRSC-6	3.5 Gallon	✓	1-1/2" FNPT 38 mm	1-1/2" FNPT 38 mm	2" FNPT 51 mm	1-1/2" Dia. 38 mm
506066	WRSC-6	3.5 Gallon	✓	1-1/2" FNPT 38 mm	1-1/2" FNPT 38 mm	2" FNPT 51 mm	1-1/2" Dia. 38 mm

Item #	Model	HP	Volts	Pump Capacity	Shut Off	Cord	Switch Type	On Level	Off Level
505055	WRS-5	1/6	115	1200 gph @ 1' 4542 lph @ .3m	21' 6.4 m	9' 2.7 m	Piggyback Diaphragm	6" - 9" 15.2 cm - 23 cm	1" - 4" 2.5 cm - 10 cm
506055	WRS-6	1/3	115	46 gpm @ 5' 174 lpm @ 1.5 m	18' 5.5 m	9' 2.7 m	Integral Diaphragm	7" - 10" 17.8 cm - 25.4 cm	1" - 4" 2.5 cm - 10.2 cm
506056	WRS-6	1/3	230	46 gpm @ 5' 174 lpm @ 1.5 m	18' 5.5 m	9' 2.7 m	Integral Diaphragm	7" - 10" 17.8 cm - 25.4 cm	1" - 4" 2.5 cm - 10.2 cm
509150	WRS-8E	1/3	115	52 gpm @ 5' 197 lpm @ 1.5 m	21' 6.4 m	9' 2.7 m	Piggyback Vertical Master	7" - 10" 17.8 cm - 25.4 cm	2" - 5" 5 cm - 12.7 cm
506065	WRSC-6	1/3	115	46 gpm @ 5' 174 lpm @ 1.5 m	18' 5.5 m	9' 2.7 m	Integral Diaphragm	4" - 7" 10.2 cm - 17.8 cm	1 - 3" 2.5 cm - 7.6 cm
506066	WRSC-6	1/3	230	46 gpm @ 5' 174 lpm @ 1.5 m	18' 5.5 m	9' 2.7 m	Integral Diaphragm	4" - 7" 10.2 cm - 17.8 cm	1 - 3" 2.5 cm - 7.6 cm

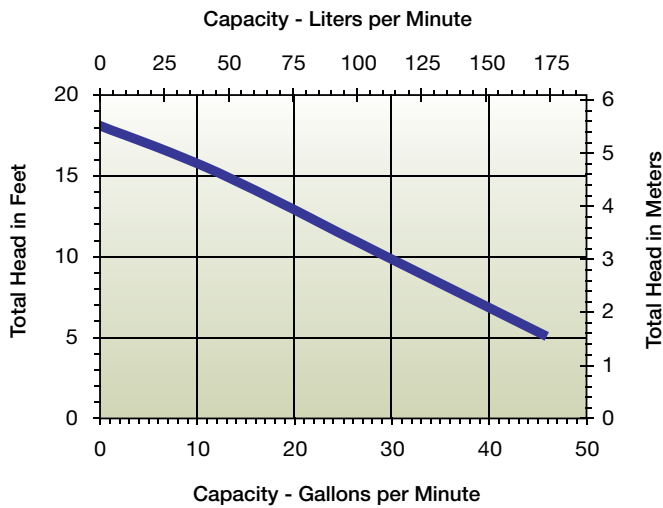
# Sump Pumps

## WRS SERIES

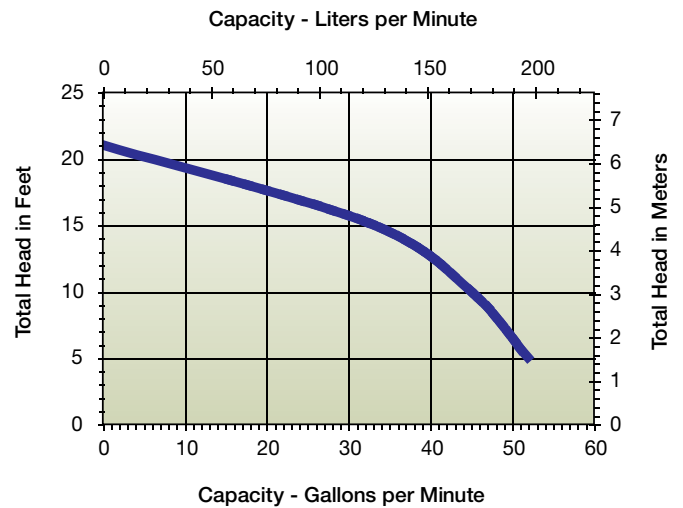
### 1/3 HP

#### Sump Packaged Systems continued

Performance Curve WRS-6 and WRSC-6

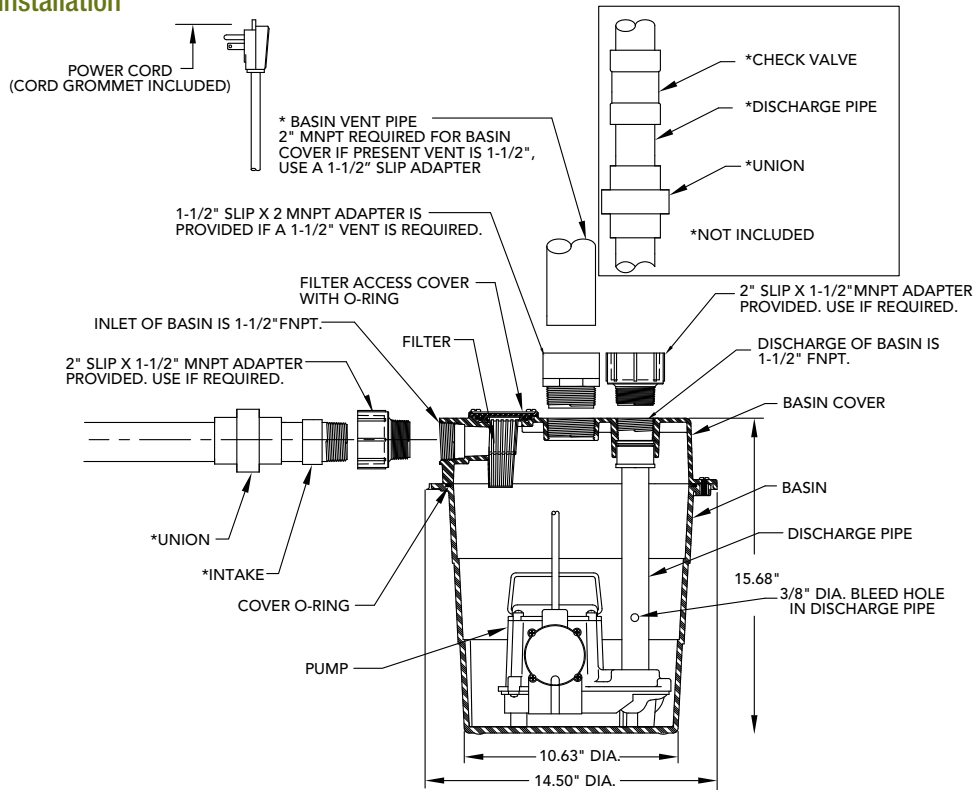


Performance Curve WRS-8E



### Typical Installation

#### WRS-6



## Sump Pumps

# CS SERIES 1/3 HP Sump Packaged Systems



### Applications

- Low lying areas needing drainage, residential crawl spaces

### Features

- 1/3 hp cast iron pump with overload protection
- 18" x 22" (46 cm x 56 cm) light weight perforated polypropylene basin
- Structural foam cover with slip fit flanges
- 1-1/4" x 24' (31.7 mm x 7.3 m) discharge hose kit
- 1-1/2" MNPT (38 mm) x 1-1/4" (31.7 mm) barbed check valve
- cCSAus listed pump

### Series Specifications

**Capacity:** 50 gpm @ 5' (189 lpm @ 1.5 m)

**Shut Off:** 22' (6.7 m)

**Liquid Temperature:** 140 °F (60 °C)

**Discharge:** 1-1/2" FNPT (38 mm)

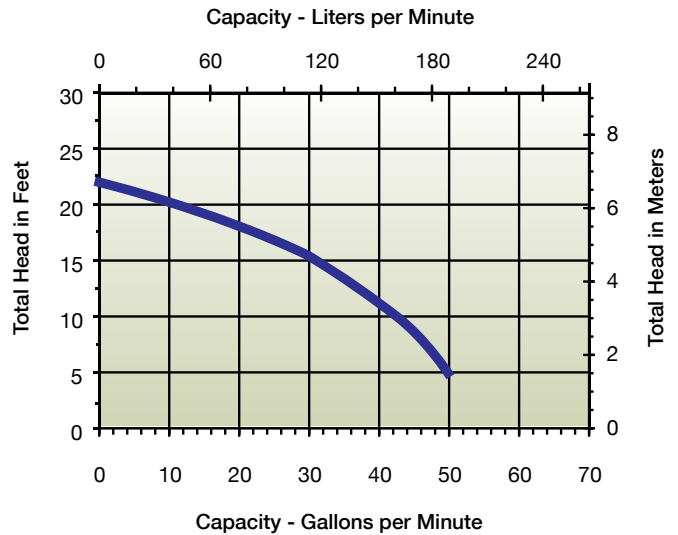
**Impeller:** Vortex

**Electrical:** 115 V, 60 Hz

**Operation:** Automatic

**Solids Handling:** 1/2" (12.7 mm)

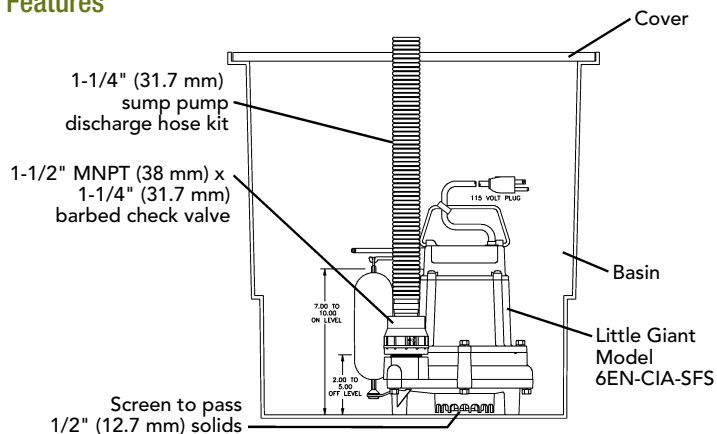
### Performance Curve



### Model Characteristics

Item #	Model	Volts	Cord	Switch Type	On Level	Off Level
14940655	CS-SS	115	25' 7.6 m	Integral Snap Action Float	7" - 10" 17.8 cm - 25.4 cm	2" - 5" 5 cm - 12.7 cm

### Features



## Sump Pumps

# APS-115 1/2 HP Battery Back-Up System



### Applications

- Flood protection, emergency dewatering pump power back-up

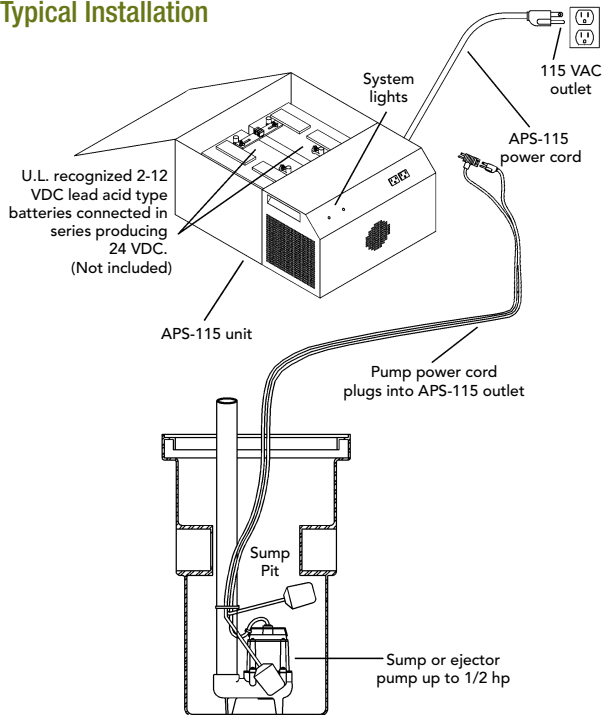
### Features

- Auxiliary Power System (APS) power unit holds two 12 VDC, 120 amp-hour batteries (not included)
- LED indicator lights - in use and charging
- Advanced charging system converts 24 VDC to 115 VAC and monitors and maintains battery voltage
- Provides power to sump, sewage, or effluent pump in event of a power outage
- Easy installation - simply plug pump into power unit
- Power unit plugs into standard 115 V outlet (9' [2.7 m] power cord)
- Max output: 15 amps/service factor of .80 (12 amps)
- Total of 1/2 hp or 1440 watts

### Model Characteristics

Item #	Model	Volts	Cord
513400	APS-115	115	9' 2.7 m

### Typical Installation



# SPBS-12 Battery Back-Up System



### Applications

- Secondary sump pump, flood protection, emergency dewatering

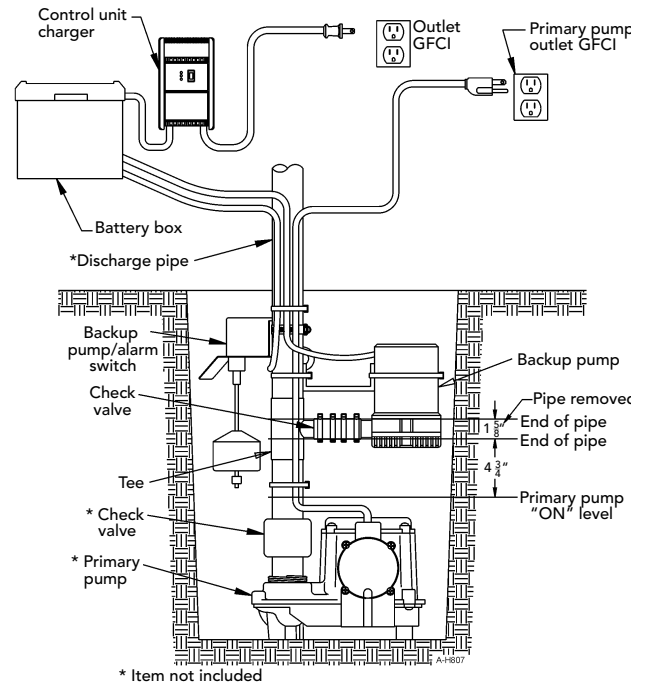
### Features

- 12 VDC pump performance of 1600 gph and 21' (6.4 m) shut off
- Check valve, T-connector and vertical mechanical float switch included for easy installation
- 10 amp charger/alarm unit
- Battery box holds 12 V deep cycle marine battery rated 105-140 amp-hours (battery not included)

### Model Characteristics

Item #	Model	Volts
506400	SPBS-12	12 VDC

### Typical Installation



## Sump Pumps

# OS3 SERIES Oil Sensing Sump System™



### Applications

- Ideal for elevator sump pits, transformer vaults and water-and-oil prone confined spaces in accordance with ASME - A17

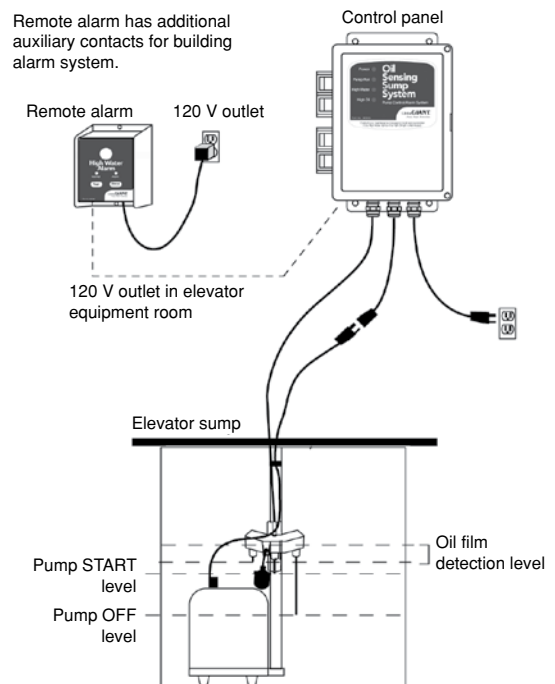
### Features

- Multiple indicator lights; power, pump run, high-water; high oil, pump overload
- Single-piece sensor for easy installation
- ASME - A17 compliant
- Includes Remote Alarm
- Alarm panel can be connected to Oil Sensing Sump System's remote panel which contains audio/visual alarming
- Both the main panel and remote alarm panel have auxiliary contacts for connection to a building's automation system or SCADA system

### Model Characteristics

Item #	Model	Volts	Hertz	HP	Overload Range
506612	6EN-CIM*	115 V	60 Hz	1/3	N/A
511226	10E-CIM*	115 V	60 Hz	1/2	N/A
511277	10E-CIM*	208-240 V	50/60 Hz	1/2	N/A
513390	OS3-1	115 V	60 Hz	1 Max.	N/A
513391	OS3-1L-5-8	115 V	60 Hz	1 Max.	5-8 amps
513392	OS3-1L-7-10	115 V	60 Hz	1 Max.	7-10 amps
513393	OS3-1L-9-13	115 V	60 Hz	1 Max.	9-13 amps
513395	OS3-2	230 V	60 Hz	2 Max.	N/A
513396	OS3-2L-5-8	230 V	60 Hz	2 Max.	5-8 amps
513397	OS3-2L-7-10	230 V	60 Hz	2 Max.	7-10 amps
513398	OS3-2L-9-13	230 V	60 Hz	2 Max.	9-13 amps
513380	OS3-6E-1**	115 V	60 Hz	1/3	N/A
513381	OS3-10E-1**	115 V	60 Hz	1/2	N/A
513382	OS3-10E-2**	230 V	60 Hz	1/2	N/A

### Typical Installation



## Effluent Pumps

# 6EN SERIES

## 1/3 HP

Sump/Effluent



### Applications

- Basement sumps, dewatering, water transfer, light effluent

### Features

- 1/3 hp permanent split capacitor (PSC) motor with overload protection
- Designed for continuous duty
- Epoxy coated cast iron housing
- Energy saving low amp draw
- Cooler running motor
- Multiple switch options for automatic operation
- Multiple power cord lengths available
- cCSAus listed

### Series Specifications

**Capacity:** 50 gpm @ 5' (189 lpm @ 1.5 m)

**Shut Off:** 22' (6.7 m)

**Liquid Temperature:** 140 °F (60 °C)

**Discharge:** 1-1/2" FNPT (38 mm)

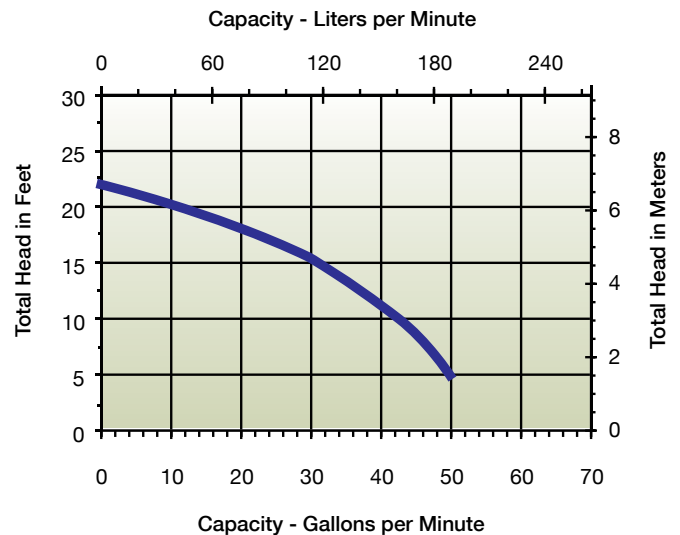
**Impeller:** Vortex

**Electrical:** 115 V, 60 Hz  
230 V, 50/60 Hz

**Operation:** Automatic or manual

**Solids Handling:** 1/2" (12.7 mm)

### Performance Curve



### Model Characteristics

Item #	Model	Volts	Cord	Running Amps/Watts	Switch Type	On Level	Off Level
506630	6EN-CIA-SFS	115	10' 3 m	6/600	Integral Snap Action Float	7" - 10" 17.8 cm - 25.4 cm	2" - 5" 5 cm - 12.7 cm
506631	6EN-CIA-SFS	115	20' 6 m	6/600	Integral Snap Action Float	7" - 10" 17.8 cm - 25.4 cm	2" - 5" 5 cm - 12.7 cm
506635	6EN-CIA-SFS	230	10' 3 m	3/600	Integral Snap Action Float	7" - 10" 17.8 cm - 25.4 cm	2" - 5" 5 cm - 12.7 cm
506636	6EN-CIA-SFS	230	20' 6 m	3/600	Integral Snap Action Float	7" - 10" 17.8 cm - 25.4 cm	2" - 5" 5 cm - 12.7 cm
506619	6EN-CIA-RF	115	20' 6 m	6/600	Piggyback Mechanical Float	7" - 10" 17.8 cm - 25.4 cm	2" - 5" 5 cm - 12.7 cm
506620	6EN-CIA-RF	115	10' 3 m	6/600	Piggyback Mechanical Float	7" - 10" 17.8 cm - 25.4 cm	2" - 5" 5 cm - 12.7 cm
506610	6EN-CIM	115	10' 3 m	6/600	Manual	-	-
506611	6EN-CIM	115	20' 6 m	6/600	Manual	-	-
506612	6EN-CIM	115	25' 7.6 m	6/600	Manual	-	-
506615	6EN-CIM	230	10' 3 m	3/600	Manual	-	-
506616	6EN-CIM	230	20' 6 m	3/600	Manual	-	-
506641	6EN-CIM (Black)	115	20' 6 m	6/600	Manual	-	-

## Effluent Pumps

# 8E SERIES 1/3 HP



### Applications

- Dewatering, water transfer, effluent and wastewater removal

### Features

- 1/3 hp shaded pole motor with overload protection
- Designed for continuous duty
- Epoxy coated cast iron housing and cover
- High impact thermoplastic base
- Carbon/ceramic shaft seal
- Upper and lower sintered sleeve bearings
- Piggyback mechanical float switch option for automatic operation
- Multiple power cord lengths available
- UL and CSA listed (115 V models only)

### Series Specifications

**Capacity:** 52 gpm @ 5'  
(197 lpm @ 1.5 m)

**Shut Off:** 21' (6.4 m)

**Liquid Temperature:** 140 °F (60 °C)

**Discharge:** 1-1/2" FNPT (38 mm)

**Impeller:** Vortex nylon

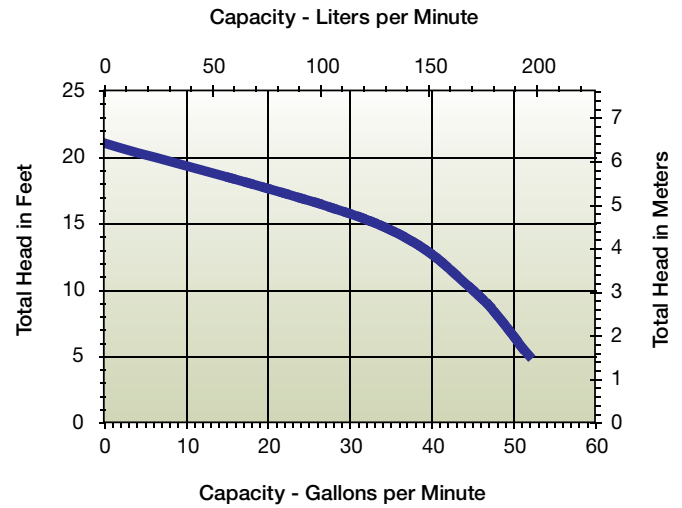
**Volute:** ABS/cast iron

**Electrical:** 115 V, 60 Hz  
230 V, 60 Hz

**Operation:** Automatic or manual

**Solids Handling:** 3/4" (19 mm)

### Performance Curve



### Model Characteristics

Item #	Model	Volts	Cord	Switch Type	On Level	Off Level
509100	8E-CIA-RFS	115	10' 3 m	Piggyback Mechanical Float	9" - 14" 23 cm - 35.6 cm	2" - 6" 5 cm - 15.2 cm
509105	8E-CIA-RFS	115	15' 4.6 m	Piggyback Mechanical Float	9" - 14" 23 cm - 35.6 cm	2" - 6" 5 cm - 15.2 cm
509120	8E-CIA-RFS	115	20' 6 m	Piggyback Mechanical Float	9" - 14" 23 cm - 35.6 cm	2" - 6" 5 cm - 15.2 cm
509000	8E-CIM	115	10' 3 m	Manual	-	-
509005	8E-CIM	115	15' 4.6 m	Manual	-	-
509125	8E-CIM	115	25' 7.6 m	Manual	-	-
509050	8E-CIM	230	12' 8.6 m (w/o plug)	Manual	-	-

## Effluent Pumps

# 9E SERIES 4/10 HP



### Applications

- Dewatering, water transfer, effluent and wastewater removal

### Features

- 4/10 hp shaded pole motor with overload protection
- Designed for continuous duty
- Epoxy coated cast iron housing and cover
- High impact thermoplastic base
- Carbon/ceramic shaft seal
- Upper sintered sleeve bearings; lower ball bearings
- Piggyback mechanical float switch option for automatic operation
- Multiple power cord lengths available
- UL and CSA listed (115 V only)

### Series Specifications

**Capacity:** 57 gpm @ 5'  
(216 lpm @ 1.5 m)

**Shut Off:** 23' (7 m)

**Liquid Temperature:** 140 °F (60 °C)

**Discharge:** 1-1/2" FNPT (38 mm)

**Impeller:** Vortex nylon

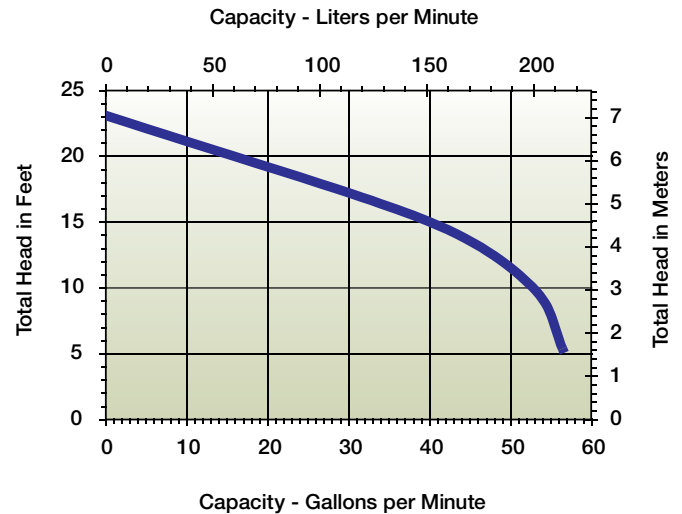
**Volute:** ABS/cast iron

**Electrical:** 115 V, 60 Hz  
230 V, 60 Hz

**Operation:** Automatic or manual

**Solids Handling:** 3/4" (19 mm)

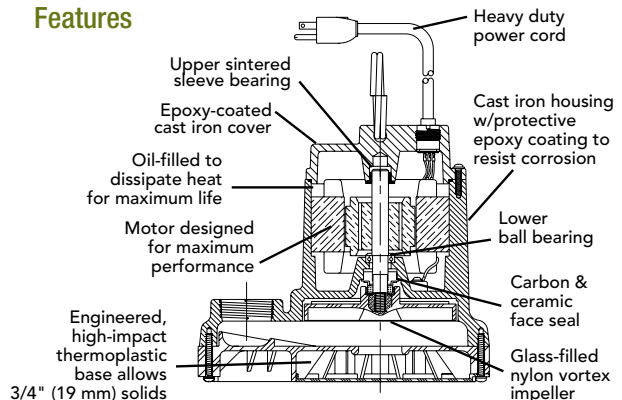
### Performance Curve



### Model Characteristics

Item #	Model	Volts	Cord	Switch Type	On Level	Off Level
509300	9E-CIA-RFS	115	15' 4.6 m	Piggyback Mechanical Float	9" - 14" 23 cm - 35.6 cm	2" - 6" 5 cm - 15.2 cm
509320	9E-CIA-RFS	115	20' 6 m	Piggyback Mechanical Float	9" - 14" 23 cm - 35.6 cm	2" - 6" 5 cm - 15.2 cm
509200	9E-CIM	115	15' 4.6 m	Manual	-	-
509225	9E-CIM	115	25' 7.6 m	Manual	-	-
509250	9E-CIM	230	20' 6 m	Manual	-	-

### Features





## Effluent Pumps

# 9EH SERIES 4/10 HP



### Applications

- Dewatering, water transfer, effluent and wastewater removal

### Features

- 4/10 hp shaded pole motor with overload protection
- Designed for continuous duty
- High head model
- Epoxy coated cast iron housing and cover
- High impact ABS base
- Carbon/ceramic shaft seal
- Upper sintered sleeve bearings; lower ball bearings
- Piggyback mechanical float switch option for automatic operation
- UL and CSA listed

### Series Specifications

**Capacity:** 70 gpm @ 5'  
(265 lpm @ 1.5 m)

**Shut Off:** 32' (9.8 m)

**Liquid Temperature:** 140 °F (60 °C)

**Discharge:** 1-1/2" FNPT (38 mm)

**Impeller:** Closed vane polycarbonate

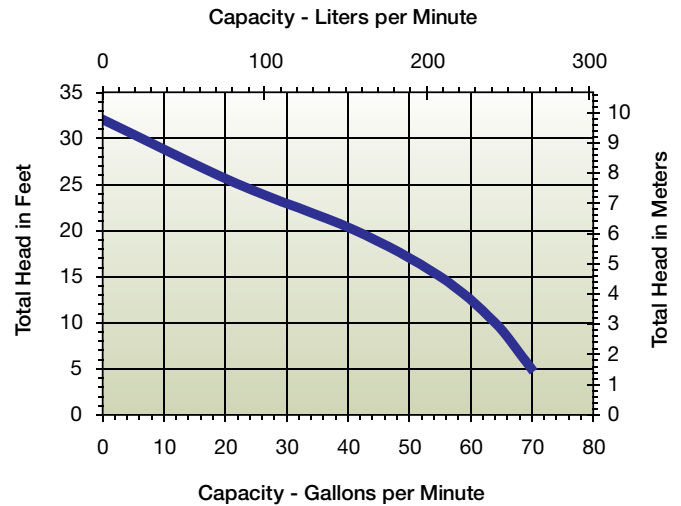
**Volute:** ABS

**Electrical:** 115 V, 60 Hz  
230 V, 60 Hz

**Operation:** Automatic or manual

**Solids Handling:** 3/4" (19 mm)

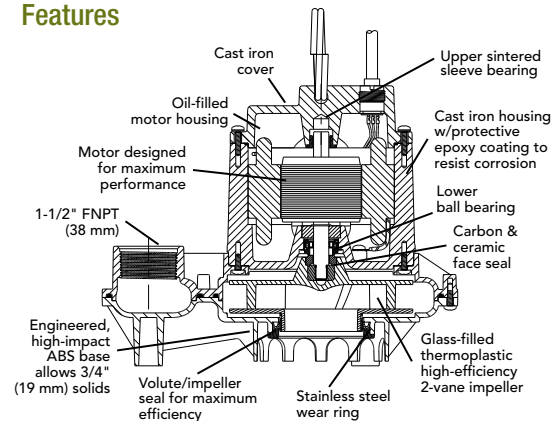
### Performance Curve



### Model Characteristics

Item #	Model	Volts	Cord	Switch Type	On Level	Off Level
509350	9EH-CIA-RFS	115	20' 6 m	Piggyback Mechanical Float	9" - 14" 23 cm - 35.6 cm	2" - 6" 5 cm - 15.2 cm
509360	9EH-CIA-RFS	230	20' 6 m	Piggyback Mechanical Float	9" - 14" 23 cm - 35.6 cm	2" - 6" 5 cm - 15.2 cm
509330	9EH-CIM	115	20' 6 m	Manual	-	-
509340	9EH-CIM	230	20' 6 m	Manual	-	-

### Features



## Effluent Pumps

# 10E SERIES 1/2 HP



### Applications

- Dewatering, water transfer, effluent and wastewater removal

### Features

- 1/2 hp split-phase motor with overload protection
- 1/2 hp permanent split capacitor (PSC) motor with overload protection (10E-CIA-SFS)
- Designed for continuous duty
- Epoxy coated cast iron housing
- Carbon/ceramic shaft seal
- Upper and lower ball bearings
- Piggyback mechanical float switch option for automatic operation
- Multiple power cord lengths available
- UL/CSA listed

### Series Specifications

**Capacity:** 80 gpm @ 5'  
(303 lpm @ 1.5 m)

**Shut Off:** 26' (7.9 m)  
(10E-CIA-SFS) 24' (7.4 m)

**Liquid Temperature:** 140 °F (60 °C)

**Discharge:** 1-1/2" FNPT (38 mm)

**Impeller:** Vortex nylon

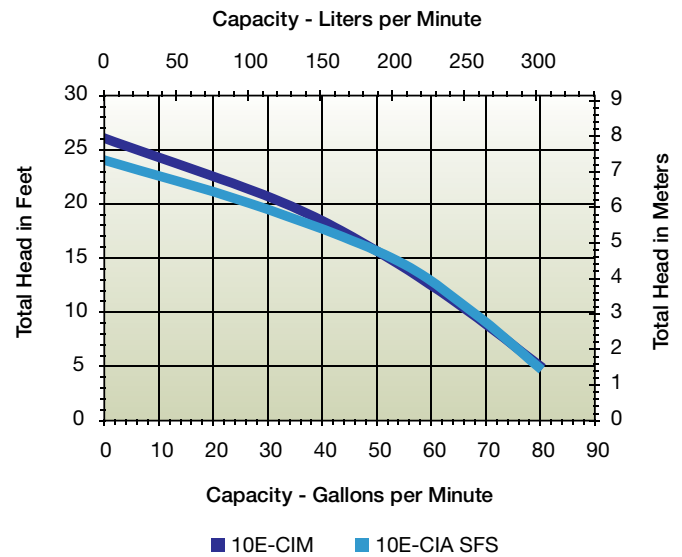
**Volute:** ABS/cast iron

**Electrical:** 115 V, 60 Hz  
208 - 230 V, 50/60 Hz

**Operation:** Automatic or manual

**Solids Handling:** 3/4" (19 mm)

### Performance Curve



### Model Characteristics

Item #	Model	Volts	Cord	Switch Type	On Level	Off Level
511300	10E-CIA-RFS	115	15' 4.6 m	Piggyback Mechanical Float	11" - 15" 28 cm - 38 cm	5" - 9" 12.7 cm - 23 cm
511350	10E-CIA-SFS	115	10' 3 m	Integral Snap Action Float	8" - 11" 20.3 cm - 28 cm	2" - 5" 5 cm - 12.7 cm
511355	10E-CIA-SFS	115	25' 7.6 m	Integral Snap Action Float	8" - 11" 20.3 cm - 28 cm	2" - 5" 5 cm - 12.7 cm
511200	10E-CIM	115	15' 4.6 m	Manual	-	-
511225	10E-CIM	115	25' 7.6 m	Manual	-	-
511275	10E-CIM	208-230	15' 4.6 m	Manual	-	-

## Effluent Pumps

# 10EN SERIES 1/2 HP



### Applications

- Dewatering, water transfer, effluent and wastewater removal

### Features

- 1/2 hp permanent split capacitor (PSC) motor with overload protection
- Designed for continuous duty
- Epoxy coated cast iron housing
- Carbon/ceramic shaft seal
- Multi switch options for automatic operation
- Multiple power cord lengths available
- cCSAus listed

### Series Specifications

**Capacity:** 67 gpm @ 5'  
(254 lpm @ 1.5 m)

**Shut Off:** 30' (9.1 m)

**Liquid Temperature:** 140 °F (60 °C)

**Discharge:** 1-1/2" FNPT (38 mm)

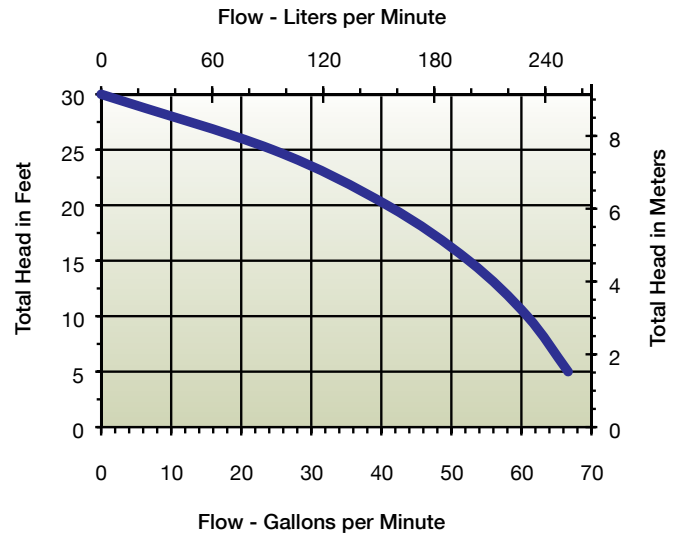
**Impeller:** Nylon

**Electrical:** 115 V, 60 Hz  
208-230 V, 50/60 Hz

**Operation:** Automatic or manual

**Solids Handling:** 1/2" (12.7 mm)

### Performance Curve



### Model Characteristics

Item #	Model	Volts	Cord	Solids Size (dia. in)	Running Amps/Watts	Switch Type	On Level	Off Level
511330	10EN-CIA-SFS	115	10' 3 m	1/2"	8/850	Integral Snap Action Float	7" - 10" 17.8 cm - 25.4 cm	2" - 5" 5 cm - 12.7 cm
511331	10EN-CIA-SFS	115	20' 6 m	1/2"	8/850	Integral Snap Action Float	7" - 10" 17.8 cm - 25.4 cm	2" - 5" 5 cm - 12.7 cm
511335	10EN-CIA-SFS	230	10' 3 m	1/2"	4/850	Integral Snap Action Float	7" - 10" 17.8 cm - 25.4 cm	2" - 5" 5 cm - 12.7 cm
511336	10EN-CIA-SFS	230	20' 6 m	1/2"	4/850	Integral Snap Action Float	7" - 10" 17.8 cm - 25.4 cm	2" - 5" 5 cm - 12.7 cm
511320	10EN-CIA-RF	115	10' 3 m	1/2"	8/850	Piggyback Mechanical Float	7" - 10" 17.8 cm - 25.4 cm	2" - 5" 5 cm - 12.7 cm
511321	10EN-CIA-RF	115	20' 6 m	1/2"	8/850	Piggyback Mechanical Float	7" - 10" 17.8 cm - 25.4 cm	2" - 5" 5 cm - 12.7 cm
511310	10EN-CIM	115	10' 3 m	1/2"	8/850	Manual	-	-
511311	10EN-CIM	115	20' 6 m	1/2"	8/850	Manual	-	-
511315	10EN-CIM	230	10' 3 m	1/2"	4/850	Manual	-	-
511316	10EN-CIM	230	20' 6 m	1/2"	4/850	Manual	-	-

# 10E SERIES (High Temperature) 1/2 HP



### Applications

- Boiler blow-down sump pits, transformer vaults

### Features

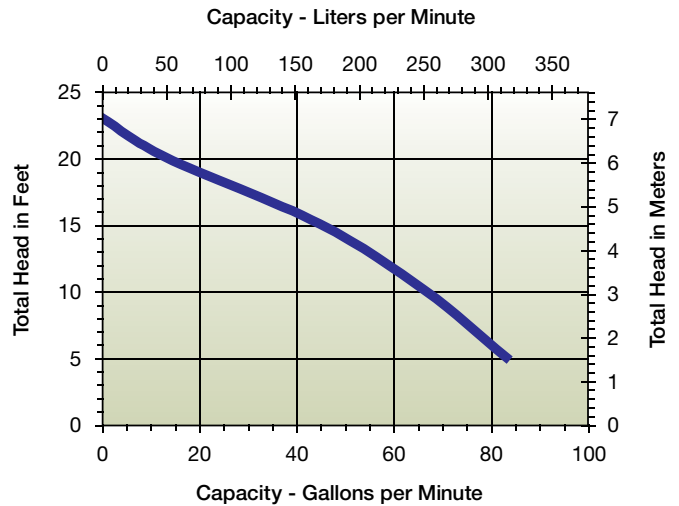
- 1/2 hp split-phase motor
- Designed for continuous duty
- Epoxy coated cast iron housing
- Carbon/Ni-Resist & Viton® shaft seal
- Upper and lower ball bearings
- CSA listed

### Series Specifications

**Capacity:** 80 gpm @ 5'  
(302 lpm @ 1.5 m)  
**Shut Off:** 24' (7.32 m)  
**Liquid Temperature:** 200 °F (93 °C)  
**Discharge:** 1-1/2" FNPT (38 mm)

**Impeller:** Nylon  
**Relay Cover:** Cast iron  
**Electrical:** 115 V, 60 Hz  
**Operation:** Automatic or manual  
**Solids Handling:** 3/4" (19 mm)

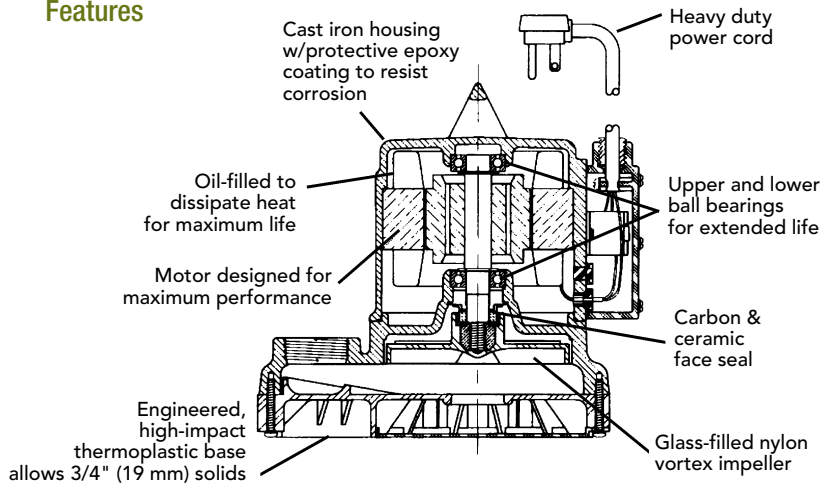
### Performance Curve



### Model Characteristics

Item #	Model	Volts	Cord	Switch Type	On Level		Off Level	
					10" - 12"	25.4 cm - 30.5 cm	2" - 4"	5 cm - 10.2 cm
511700	HT-10E-CIA-FS	115	15' 4.6 m	Integral Mechanical Float				
511600	HT-10E-CIM	115	15' 4.6 m	Manual	-	-	-	-

### Features



## Effluent Pumps

# ESP50 SERIES

## 1/2 HP

Sump/Effluent Pumps



### Applications

- Dewatering, water transfer, effluent and wastewater removal

### Features

- 1/2 hp oil-free motor with overload protection
- Designed for continuous duty
- Cast iron motor housing
- Cast iron cover and casing
- Stainless steel heat treated shaft
- Mechanical carbon/ceramic shaft seal
- Switch options for automatic operation
- 20' (6 m) power cord
- cCSAus listed

### Series Specifications

**Capacity:** 70 gpm @ 5' (265 lpm @ 1.5 m)

**Shut Off:** 31' (9.44 m)

**Liquid Temp:** 120 °F (49 °C)

**Discharge:** 1-1/2" NPT (38 mm)

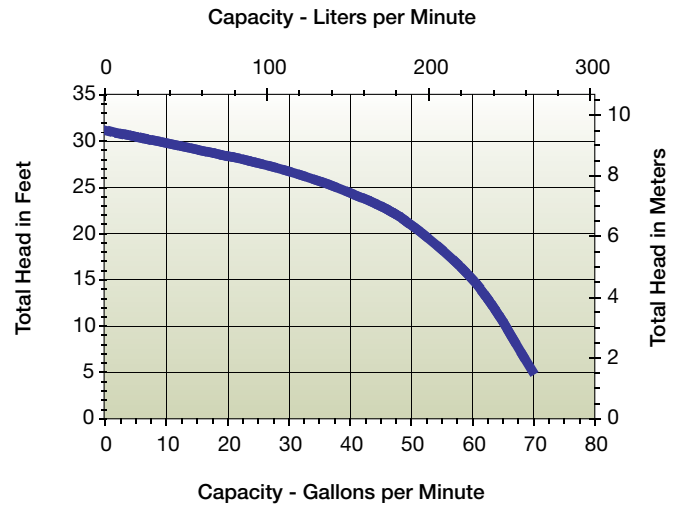
**Impeller:** Reinforced polypropylene with brass insert

**Electrical:** 115 V, 60 Hz

**Operation:** Automatic or manual

**Solids Handling:** 3/4" (19 mm)

### Performance Curve



### Model Characteristics

Item #	Model	Volts	Switch Type	On Level	Off Level
620187	ESP50AM	115	Piggyback Mechanical	11.4" 28.9 cm	4.7" 11.9 cm
620178	ESP50AV	115	Vertical Mechanical	6.7" 17 cm	4.0" 10.1 cm
620174	ESP50M	115	Manual	-	-

## Effluent Pumps

# 14EH/16EH SERIES 1/2 HP, 1 HP



### Applications

- Boiler blow-down sump pits, transformer vaults

### Features

- 1/2 hp, 1 hp permanent split capacitor (PSC) motor with overload protection
- Completely submersible, designed for continuous duty
- High head model
- Epoxy coated cast iron housing, cover, volute and non-clog impeller
- Carbon/ceramic shaft seal
- Upper and lower ball bearings
- UL and CSA listed (115 V model)
- UL listed (208-240 V model)
- CSA listed (575 V model)

### Series Specifications

#### 14EH 1/2 hp

**Capacity:** 60 gpm @ 20'  
(227 lpm @ 6 m)

**Shut Off:** 50' (15 m)

**Liquid Temperature:** 140 °F (60 °C)

**Discharge:** 2" FNPT (51 mm)

**Impeller:** Non-clog epoxy coated cast iron

**Electrical:** 115 V, 60 Hz  
208 - 240 V, 60 Hz

**Operation:** Manual

**Solids Handling:** 3/4" (19 mm)

#### 16EH 1 hp

**Capacity:** 90 gpm @ 30'  
(340 lpm @ 9 m)

**Shut Off:** 81' (25 m)

**Liquid Temperature:** 140 °F (60 °C)

**Discharge:** 2" FNPT (51 mm)

**Impeller:** Non-clog epoxy coated cast iron

**Electrical:** 230 V, 60 Hz  
208 - 240 V, 60 Hz

460 V, 50/60 Hz

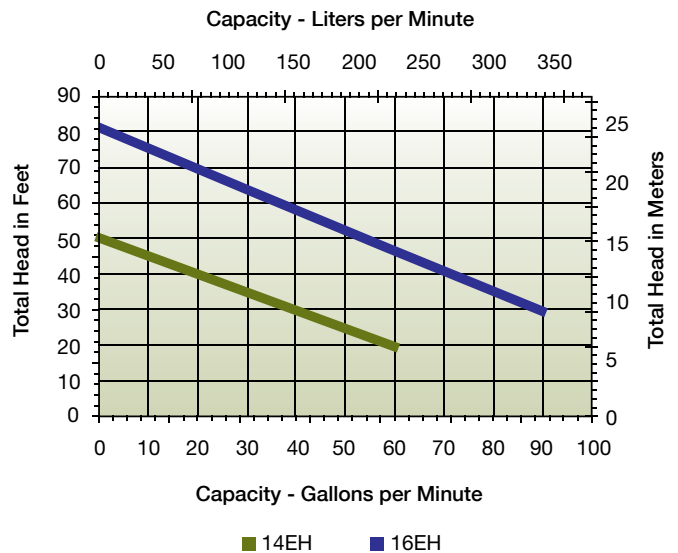
380 V, 50 Hz

575 V, 60 Hz

**Operation:** Manual\*

**Solids Handling:** 3/4" (19 mm)

### Performance Curve



### Model Characteristics

#### 14EH 1/2 hp

Item #	Model	Volts	Cord
514220	14EH-CIM	115	20' 6 m
514221	14EH-CIM	208-240	20' 6 m

#### 16EH 1 hp

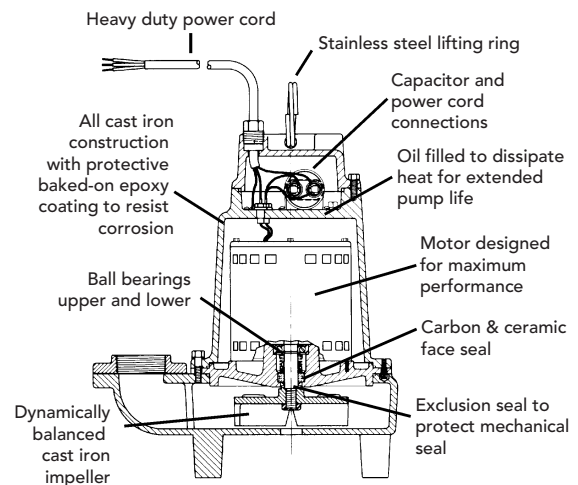
Item #	Model	Volts	Cord	Phase**
514520	16EH-CIM	230	20' 6 m	1 Ph
514530	16EH-CIM	208-240	20' 6 m	3 Ph
514540	16EH-CIM	460-380	20' 6 m	3 Ph
514550***	16EH-CIM	575	20' 6 m	3 Ph

\* Single-phase pumps can use a mechanical float switch or a single-phase control panel for automatic on/off

\*\* Three-phase pumps must have a three-phase control panel for automatic or manual operation

\*\*\* CSA only

### Features



## Effluent Pumps

# WS EFFLUENT SERIES 1/3 HP, 1/2 HP, 1 HP



### Applications

- Boiler blow-down sump pits, transformer vaults

### Features

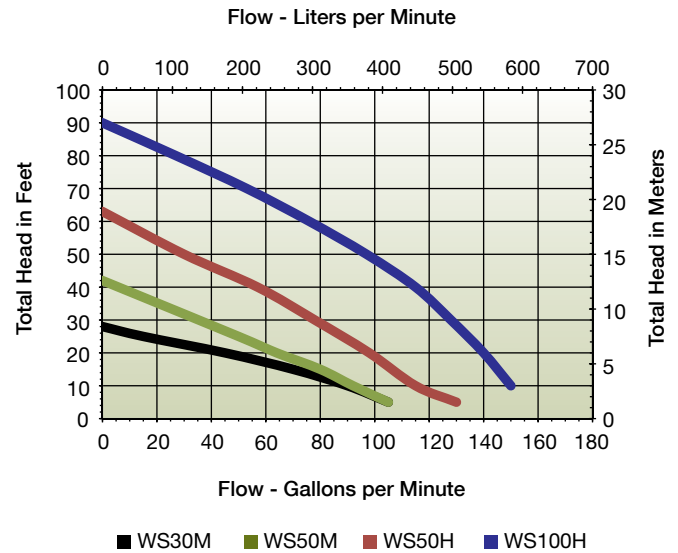
- 1/3 hp, 1/2 hp, or 1 hp oil-filled motor with overload protection
- Designed for hi-torque with automatic reset
- Cast iron motor and pump housing
- Solids handling non-clog impeller
- Stainless steel heat treated shaft
- Double ball bearing and mechanical carbon/ceramic seal
- Piggyback mechanical float option available for automatic operation
- cCSAus listed

### Series Specifications

**Liquid Temp:** 120 °F (49 °C)  
**Discharge:** 2" NPT (50.8 mm)  
**Impeller:** Cast iron  
**Electrical:** 115 V, 60 Hz  
 208 - 230 V, 60 Hz  
 230 V, 60 Hz  
 460 V, 60 Hz

**Operation:** Automatic or manual  
**Solids Handling:** 11/16" (17.5 mm) on models 620000 and 620010  
 3/4" (19 mm)

### Performance Curve



### Model Characteristics

Item #	Model	HP	Volts	Phase	SFA	Chord	Capacity	Shut Off (ft)	
620000	WS30AM	1/3	115	1	10.4	20' 6 m	105 gpm @ 5' 397 lpm @ 1.5 m	28' 8.5 m	Piggyback Mechanical Float
620010	WS30M	1/3	115	1	10.4	20' 6 m	105 gpm @ 5' 397 lpm @ 1.5 m	28' 8.5 m	-
620233	WS50AM-20	1/2	115	1	11.6	20' 6 m	105 gpm @ 5' 397 lpm @ 1.5 m	42' 12.8 m	Piggyback Mechanical Float
620253	WS50AM-12-20	1/2	208-230	1	9.7	20' 6 m	105 gpm @ 5' 397 lpm @ 1.5 m	42' 12.8 m	Piggyback Mechanical Float
620231	WS50M-20	1/2	115	1	11.6	20' 6 m	105 gpm @ 5' 397 lpm @ 1.5 m	42' 12.8 m	-
620251	WS50M-12-20	1/2	208-230	1	9.7	20' 6 m	105 gpm @ 5' 397 lpm @ 1.5 m	42' 12.8 m	-
620219	WS50HAM-20	1/2	115	1	15	20' 6 m	130 gpm @ 5' 492 lpm @ 1.5 m	63' 19.2 m	Piggyback Mechanical Float
620221	WS50HAM-12-20	1/2	208-230	1	9.7	20' 6 m	130 gpm @ 5' 492 lpm @ 1.5 m	63' 19.2 m	Piggyback Mechanical Float
620218	WS50HM-20	1/2	115	1	15	20' 6 m	130 gpm @ 5' 492 lpm @ 1.5 m	63' 19.2 m	-
620220	WS50HM-12-20	1/2	208-230	1	9.7	20' 6 m	130 gpm @ 5' 492 lpm @ 1.5 m	63' 19.2 m	-
620223	WS100HAM-12-20	1	208-230	1	13.6	20' 6 m	168 gpm @ 5' 636 lpm @ 1.5 m	90' 27.4 m	Piggyback Mechanical Float
620222	WS100HM-12-20	1	208-230	1	13.6	20' 6 m	168 gpm @ 5' 636 lpm @ 1.5 m	90' 27.4 m	-
620206	WS100HM-34	1	460	3	3.1	30' 9.1 m	164 gpm @ 10' 621 lpm @ 3 m	90' 27.4 m	-
620207	WS100HM-32	1	230	3	6.2	30' 9.1 m	164 gpm @ 10' 621 lpm @ 3 m	90' 27.4 m	-

# WSV50 EFFLUENT SERIES 1/2 HP



### Applications

- Dewatering, water transfer, effluent and wastewater removal

### Features

- 1/2 hp permanent split capacitor (PSC) motor with overload protection
- Designed for hi-torque with automatic reset
- Cast iron motor and pump housing
- Solids handling vortex impeller
- High head model
- Stainless steel heat treated shaft
- Double ball bearing and mechanical carbon/ceramic seal
- Piggyback mechanical float option available for automatic operation
- cCSAus listed

### Series Specifications

**Capacity:** 83 gpm @ 20'  
(314 lpm @ 6.1 m)

**Shut Off:** 45' (13.7 m)

**Liquid Temp:** 120 °F

**Discharge:** 2" NPT (50.8 mm)

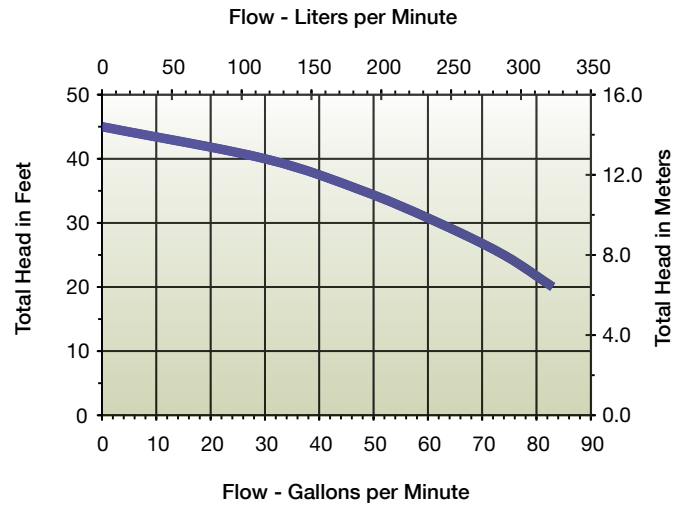
**Impeller:** Vortex

**Electrical:** 115 V, 60 Hz

**Operation:** Automatic or manual

**Solids Handling:** 3/4" (19 mm)

### Performance Curve



### Model Characteristics

Item	Model	HP	Volts	Phase	FLA	Capacity	Shut Off	Switch Type	Cord
620238	WSV50HM	2	115	1	10.2	83 gpm @ 20'	45'	Manual	20'
						314 lpm @ 6 m	13.7 m		
620239	WSV50HAM	2	115	1	10.2	83 gpm @ 20'	45'	Mechanical Float	20'
						314 lpm @ 6 m	13.7 m		



## Effluent Pumps

# 20E SERIES 2 HP



### Applications

- Dewatering, water transfer, effluent and wastewater removal

### Features

- 2 hp permanent split capacitor (PSC) motor with overload protection
- Completely submersible, designed for continuous duty
- Epoxy coated cast iron housing, cover and volute
- Carbon/ceramic shaft seal
- Upper and lower ball bearings
- UL and CSA listed

### Series Specifications

**Capacity:** 135 gpm @ 20'  
(511 lpm @ 6 m)

**Shut Off:** 110' (34 m)

**Liquid Temperature:** 140 °F

**Discharge:** 2" FNPT (51 mm)

**Impeller:** Brass

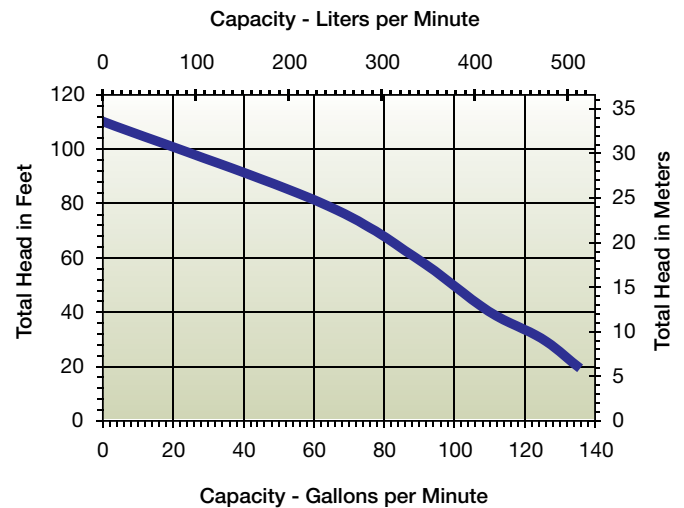
**Electrical:** 200 - 208, V 60 Hz  
230 V, 60 Hz

460 V, 60 Hz

**Operation:** Manual\*

**Solids Handling:** 3/4" (19 mm)

### Performance Curve



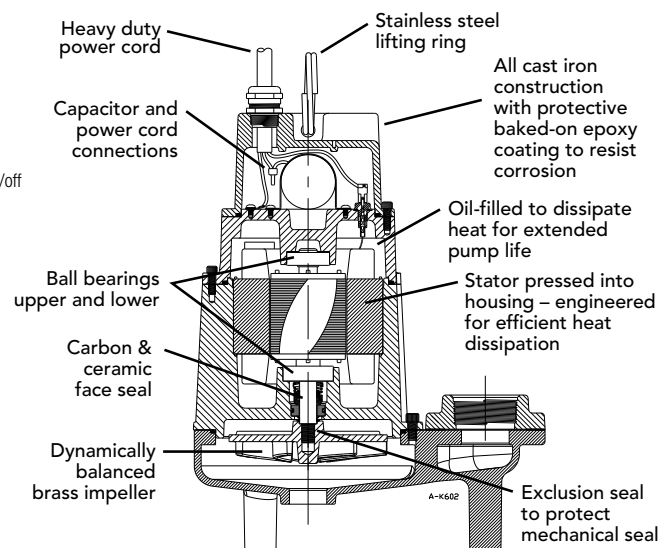
### Model Characteristics

Item #	Model	Volts	Cord	Phase
520200	20E-CIM	230	20' 6 m	1 *
520230	20E-CIM	230	30' 9 m	3 **
520250	20E-CIM	230	20' 6 m	3 **
520275	20E-CIM	460	20' 6 m	3 **
520225	20E-CIM	200-208	20' 6 m	3 **

\* Single-phase pumps can use a mechanical float switch or a single-phase control panel for automatic on/off

\*\* Three-phase pumps must have a three-phase control panel for automatic or manual operation

### Features



## Effluent Pumps

# WE SERIES 1/2 HP

High Head Filtered Effluent Pumps



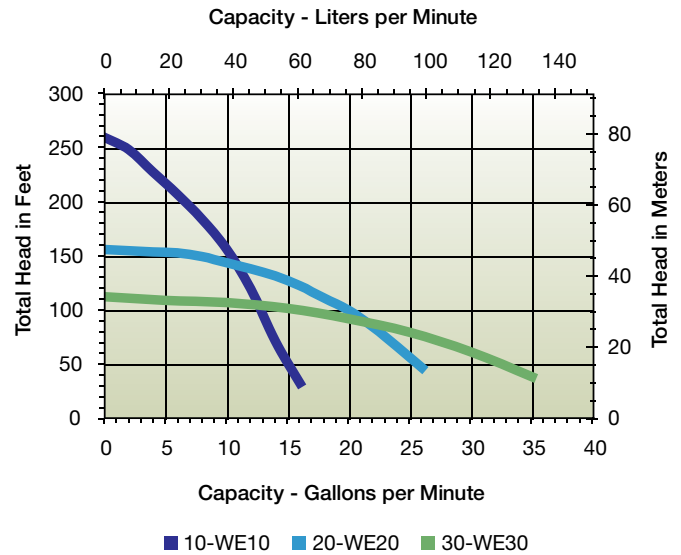
### Applications

- Filtered effluent service, aeration, ornamental fountains/waterfalls

### Features

- 1/2 hp Franklin Electric submersible motor
- Heavy duty, 300 V, 10' (3 m) SJOW motor stripped leads
- 1-1/4" FNPT (31.7 mm) discharge
- Removable built-in check valve
- Non-corrosive thermoplastic discharge and motor brackets
- Proven Noryl® staging allows close tolerances and increased performance
- High quality top bearing for maximum durability and years of reliable service
- Hex rubber bearing has extra-large surface for shaft stability and multiple flow channels for keeping particles away from bearing surfaces
- Stainless steel upthrust washer prevents excessive wear in service applications

### Performance Curve



### Model Characteristics

Item #	Model	HP	Volts/Hertz	Rated Flow Rate	Wire	Discharge (FNPT)	Cord/ Length
558221	WE10G05P4-21	1/2	115 V/60 Hz	10 gpm 37.9 lpm	2-Wire	1-1/4" FNPT 31.7 mm	SJOW/10' 3 m
558223	WE20G05P4-21	1/2	115 V/60 Hz	20 gpm 75.7 lpm	2-Wire	1-1/4" FNPT 31.7 mm	SJOW/10' 3 m
558225	WE30G05P4-21	1/2	115 V/60 Hz	30 gpm 113.5 lpm	2-Wire	1-1/4" FNPT 31.7 mm	SJOW/10' 3 m
558222	WE10G05P4-22	1/2	230 V/60 Hz	10 gpm 37.9 lpm	2-Wire	1-1/4" FNPT 31.7 mm	SJOW/10' 3 m
558224	WE20G05P4-22	1/2	230 V/60 Hz	20 gpm 75.7 lpm	2-Wire	1-1/4" FNPT 31.7 mm	SJOW/10' 3 m
558226	WE30G05P4-22	1/2	230 V/60 Hz	30 gpm 113.5 lpm	2-Wire	1-1/4" FNPT 31.7 mm	SJOW/10' 3 m

## Effluent Pumps

# BE SERIES

## 1/3 HP, 1/2 HP, 3/4 HP

Self-Priming



### Applications

- General dewatering, flood irrigation, livestock watering, and installations with septic tanks in areas with drainage problems

### Features

- 1/3 hp, 1/2 hp, 3/4 hp higher than NEMA service factor dual compartment motors
- Thermal overload protection
- Design for continuous duty
- Cast iron pump casing
- Built in check valve
- CSA listed

### Series Specifications

**Liquid Temp:** 120 °F (49 °C)

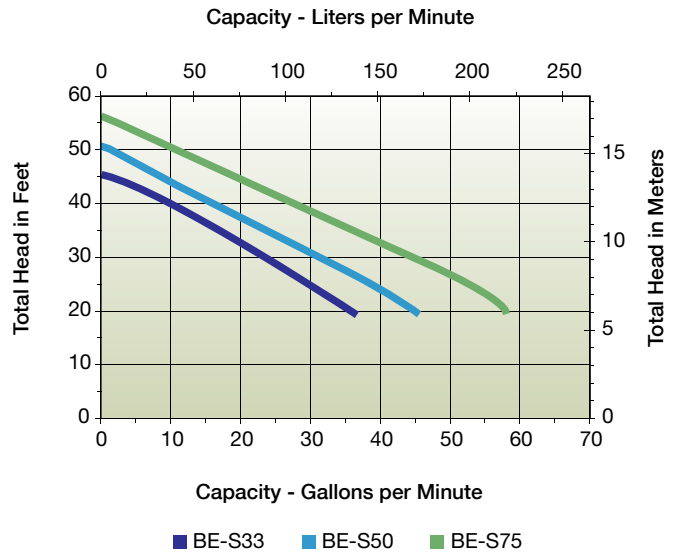
**Discharge:** 1-1/4" NPT (31.75 mm)

**Impeller:** Cast iron

**Electrical:** 115 V, 60 Hz or 115/230 V 60 Hz

**Operation:** Manual

### Performance Curve



### Model Characteristics

Item #	Model	HP	Volts	Suction NPT	Discharge NPT	Priming Plug NPT	Drain Plug NPT	Capacity	Shut-Off Head (ft)
621805	BE-S33	1/3	115	1-1/4" 31.55 mm	1-1/4" 31.55 mm	1/2" 12.7 mm	1/2" 12.7 mm	36 gpm @ 20'	45'
								136 lpm @ 6m	13.7 m
621815	BE-S50	1/2	115/230					45 gpm @ 20'	50'
				170 lpm @ 6m	15.2 m				
621825	BE-S75	3/4	115/230	58 gpm @ 20'	56'				
				220 lpm @ 6m	17.1 m				

## Sewage Pumps

# 9S SERIES 4/10 HP



### Applications

- Effluent and sewage waste transfer

### Features

- 4/10 hp shaded pole motor with overload protection
- Designed for continuous duty
- Epoxy coated cast iron housing, cover and volute
- 2" FNPT (51 mm) discharge (3" FNPT [76 mm] discharge available)
- Carbon/ceramic shaft seal
- Upper sintered sleeve and lower ball bearings
- Vortex engineered composite impeller
- Piggyback mechanical float switch option for automatic operation
- Multiple power cord lengths available
- UL and CSA listed (115 V only)

### Series Specifications

**Capacity:** 80 gpm @ 5' (301 lpm @ 1.5 m)

**Shut Off:** 18' (5.5 m)

**Liquid Temperature:** 140 °F (60 °C)

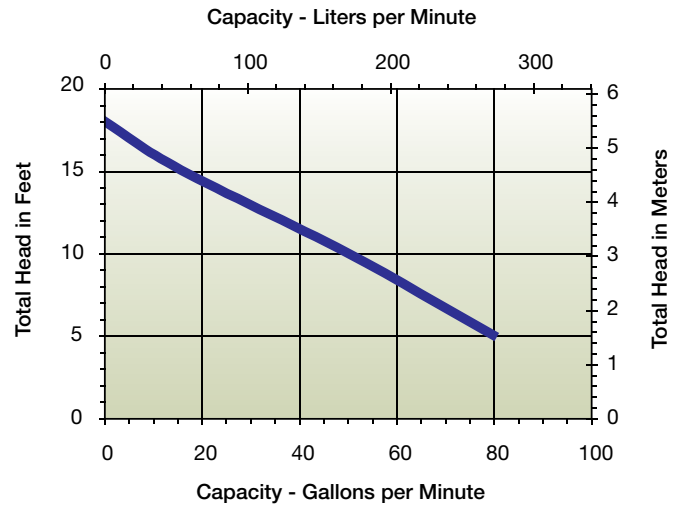
**Impeller:** Vortex nylon

**Electrical:** 115 V, 60 Hz  
230 V, 60 Hz

**Operation:** Automatic or manual

**Solids Handling:** 2" (51 mm)

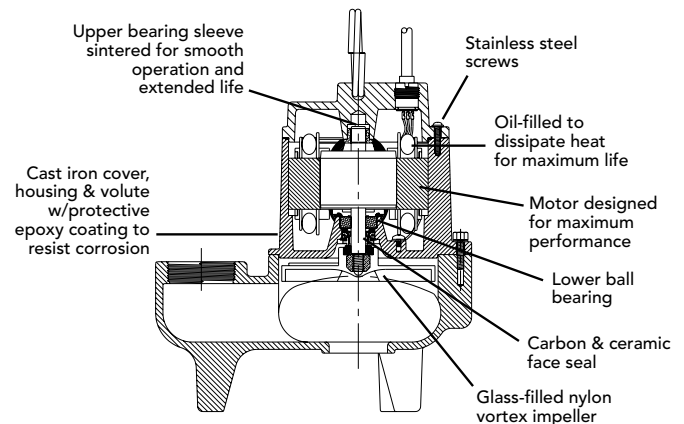
### Performance Curve



### Model Characteristics

Item #	Model	Volts	Cord	Discharge FNPT	Switch Type	On Level	Off Level
509500	9S-CIA-RFS	115	15' 4.6 m	2" 51 mm	Piggyback Mechanical Float	9" - 14" 23 cm - 35.6 cm	2" - 6" 5 cm - 15.2 cm
509510	9S-CIA-RFS	115	15' 4.6 m	3" 76 mm	Piggyback Mechanical Float	9" - 14" 23 cm - 35.6 cm	2" - 6" 5 cm - 15.2 cm
509520	9S-CIA-RFS	115	20' 6 m	2" 51 mm	Piggyback Mechanical Float	9" - 14" 23 cm - 35.6 cm	2" - 6" 5 cm - 15.2 cm
509400	9S-CIM	115	15' 4.6 m	2" 51 mm	Manual	-	-
509450	9S-CIM	230	15' 4.6 m (w/o plug)	2" 51 mm	Manual	-	-

### Features



## Sewage Pumps

# 10S SERIES 1/2 HP



### Applications

- Effluent and sewage waste transfer

### Features

- 1/2 hp split-phase motor with overload protection
- 1/2 hp permanent split capacitor motor with overload protection on 10S-CIA-SFS only
- Designed for continuous duty
- Epoxy coated cast iron housing and volute
- 2" FNPT (51 mm) discharge (3" FNPT [76 mm] discharge available)
- Carbon/ceramic shaft seal
- Upper and lower ball bearings
- Vortex glass filled nylon impeller
- Multiple switch options for automatic operation
- Multiple power cord lengths available
- UL and CSA listed

### Series Specifications

**Capacity:** 110 gpm @ 5' (416 lpm @ 1.5 m)

**Shut Off:** 20' (6 m)

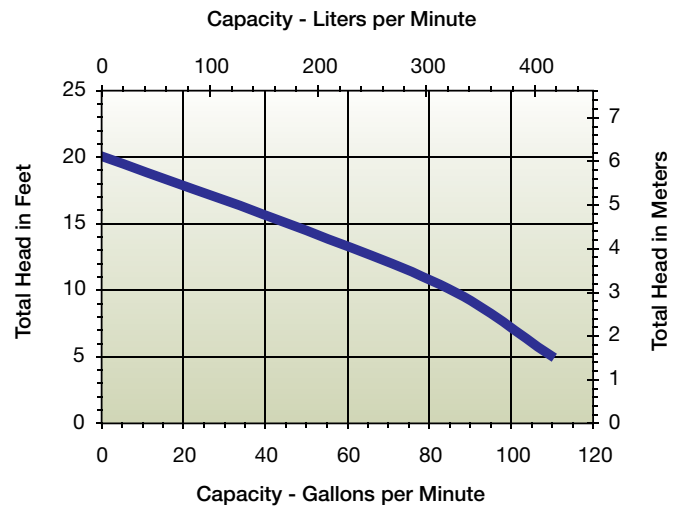
**Liquid Temperature:** 140 °F (60 °C)

**Electrical:** 115 V, 60 Hz  
208 - 230 V, 50/60 Hz

**Operation:** Automatic or manual

**Solids Handling:** 2" (51 mm)

### Performance Curve



### Model Characteristics

Item #	Model	Volts	Cord	Discharge FNPT	Cover	Switch Type	On Level	Off Level
511500	10S-CIA-RFS	115	15' 4.6 m	2" 51 mm	Cast Iron	Piggyback Mechanical Float	9" - 14" 23 cm - 35.6 cm	2" - 6" 5 cm - 15.2 cm
511550	10S-CIA-SFS	115	10' 3 m	2" 51 mm	Polycarbonate	Integral Snap Action Float	11" - 14" 28 cm - 35.6 cm	5" - 8" 12.7 cm - 20.3 cm
511555	10S-CIA-SFS	115	25' 7.6 m	2" 51 mm	Polycarbonate	Integral Snap Action Float	11" - 14" 28 cm - 35.6 cm	5" - 8" 12.7 cm - 20.3 cm
511565	10S-CIA-SFS	230	25' 7.6 m	2" 51 mm	Polycarbonate	Integral Snap Action Float	11" - 14" 28 cm - 35.6 cm	5" - 8" 12.7 cm - 20.3 cm
511400	10S-CIM	115	15' 4.6 m	2" 51 mm	Cast Iron	Manual	-	-
511450	10S-CIM	115	15' 4.6 m	3" 76 mm	Cast Iron	Manual	-	-
511475	10S-CIM	208-230	15' 4.6 m	2" 51 mm	Cast Iron	Manual	-	-

## Sewage Pumps

# 10SH SERIES 1/2 HP



### Applications

- Effluent and wastewater transfer

### Features

- 1/2 hp split-phase, relay start motor with overload protection
- Designed for continuous duty
- High head model
- Epoxy coated cast iron housing and volute
- 2" FNPT (51 mm) discharge
- Carbon/ceramic shaft seal
- Upper and lower ball bearings
- Piggyback mechanical float switch option for automatic operation
- Multiple power cord lengths available
- UL and CSA listed

### Series Specifications

**Capacity:** 120 gpm @ 5' (454 lpm @ 1.5 m)

**Shut Off:** 28' (8.5 m)

**Liquid Temperature:** 140 °F (60 °C)

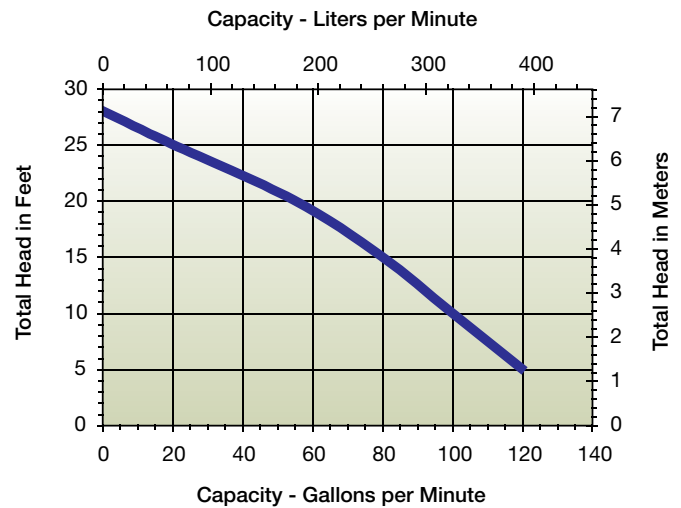
**Impeller:** Nylon

**Electrical:** 115 V, 60 Hz  
208 - 240 V, 60 Hz

**Operation:** Automatic or manual

**Solids Handling:** 1-1/4" (31.7 mm)

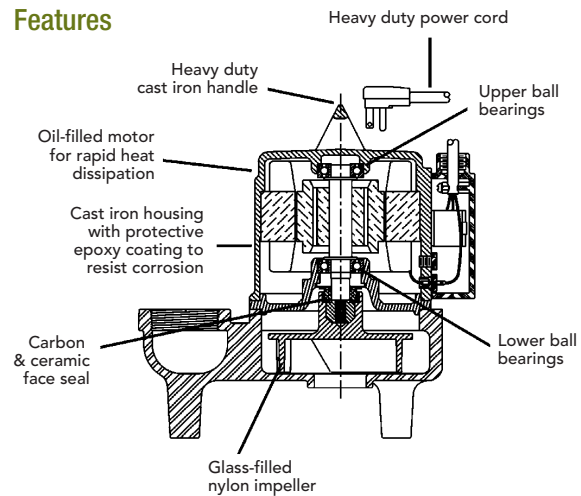
### Performance Curve



### Model Characteristics

Item #	Model	Volts	Cord	Switch Type	On Level	Off Level
511520	10SH-CIA-RFS	115	15' 4.6 m	Piggyback Mechanical	9" - 14" 23 cm - 35.6 cm	2" - 6" 5 cm - 15.2 cm
511525	10SH-CIA-RFS	115	25' 7.6 m	Piggyback Mechanical	9" - 14" 23 cm - 35.6 cm	2" - 6" 5 cm - 15.2 cm
511420	10SH-CIM	115	15' 4.6 m	Manual	-	-
511480	10SH-CIM	208-240	15' 4.6 m	Manual	-	-

### Features



## Sewage Pumps

# 14S/16S SERIES 1/2 HP, 1 HP



### Applications

- Effluent and sewage waste transfer

### Features

- 1/2 hp and 1 hp permanent split capacitor motor with overload protection (single-phase models)
- Designed for continuous duty
- Epoxy coated cast iron housing, cover and volute
- Carbon/ceramic shaft seal
- Two vane non-clog epoxy coated cast iron impeller
- Upper and lower ball bearings

### Series Specifications

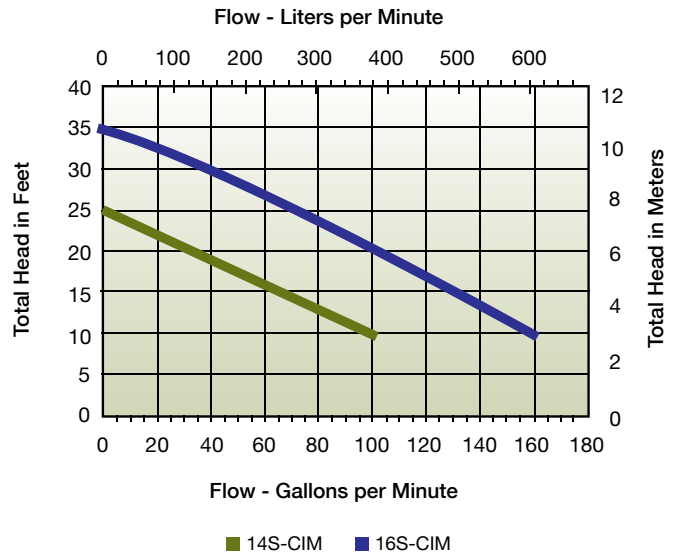
**Liquid Temperature:** 140 °F (60 °C)

**Electrical:** 115 V, 60 Hz  
200 - 208, V 60 Hz  
230 V, 60 Hz  
208-240 V, 60 Hz  
308 - 460 V, 60 Hz  
575 V, 60 Hz

**Operation:** Manual

**Solids Handling:** 2" (51 mm)

### Performance Curve



### Model Characteristics

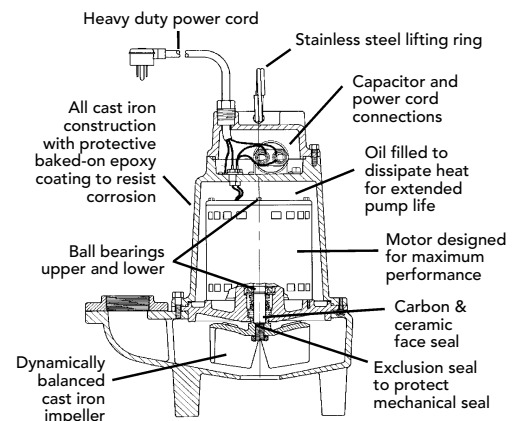
#### 14S Series 1/2 hp

Item #	Model	Listing	Volts	Phase	Discharge	Capacity	Shut Off (ft)	Cord
514320	14S-CIM	UL/CSA	115	1	2" 51 mm	100 gpm @ 10' 378.5 lpm @ 8.5 m	25' 7.6 m	20' 6 m
514321	14S-CIM	UL	208 - 240	1	2" 51 mm	100 gpm @ 10' 378.5 lpm @ 8.5 m	25' 7.6 m	20' 6 m
514420	14S-CIM	UL/CSA	115	1	3" 76 mm	100 gpm @ 10' 378.5 lpm @ 8.5 m	25' 7.6 m	20' 6 m
14940726	14S-CIM	UL	208 - 240	1	3" 76 mm	100 gpm @ 10' 378.5 lpm @ 8.5 m	25' 7.6 m	20' 6 m

#### 16S Series 1 hp

Item #	Model	Listing	Volts	Phase	Discharge	Capacity	Shut Off (ft)	Cord
514620	16S-CIM	UL/CSA	230	1	3" FNPT 76 mm	160 gpm @ 10' 606 lpm @ 8.5 m	35' 10.6 m	20' 6 m
514625	16S-CIM	UL/CSA	200-208	1	3" FNPT 76 mm	160 gpm @ 10' 606 lpm @ 8.5 m	35' 10.6 m	20' 6 m
514630	16S-CIM	UL/CSA	230	1	3" FNPT 76 mm	160 gpm @ 10' 606 lpm @ 8.5 m	35' 10.6 m	40' 12 m
514720	16S-CIM	UL/CSA	230	3*	3" FNPT 76 mm	160 gpm @ 10' 606 lpm @ 8.5 m	35' 10.6 m	20' 6 m
514730	16S-CIM	UL/CSA	380-460	3*	3" FNPT 76 mm	160 gpm @ 10' 606 lpm @ 8.5 m	35' 10.6 m	20' 6 m
514740	16S-CIM	CSA	575	3*	3" FNPT 76 mm	160 gpm @ 10' 606 lpm @ 8.5 m	35' 10.6 m	20' 6 m
514750	16S-CIM	UL/CSA	200-208	3*	3" FNPT 76 mm	160 gpm @ 10' 606 lpm @ 8.5 m	35' 10.6 m	20' 6 m

### Features



Note: Single-phase pumps can use either a mechanical float switch or a single-phase control panel for automatic on/off.

\*Three-phase pumps must have a three-phase control panel for automatic or manual operation.

## Sewage Pumps

# WS SERIES 1/2 HP, 1 HP



### Applications

- Effluent and sewage waste transfer

### Features

- 1/2 hp, 1 hp oil-filled motor with double ball bearing capacitor start designed for hi-torque and are thermally protected with automatic reset (single-phase only)
- Designed for continuous duty
- Cast iron motor housing
- Cast iron or thermoplastic motor cover and casing options
- 416 stainless steel motor shaft
- Switch options for automatic operation
- 20' (6 m) power cord
- cCSAus listed

### Series Specifications

**Liquid Temp:** 120 °F

**Discharge:** 2" NPT (50 mm) adapter kit for 3" NPT (76 mm) available

**Impeller:** Two vane cast iron

**Electrical:** 115 V, 60 Hz

208 - 230 V, 60 Hz

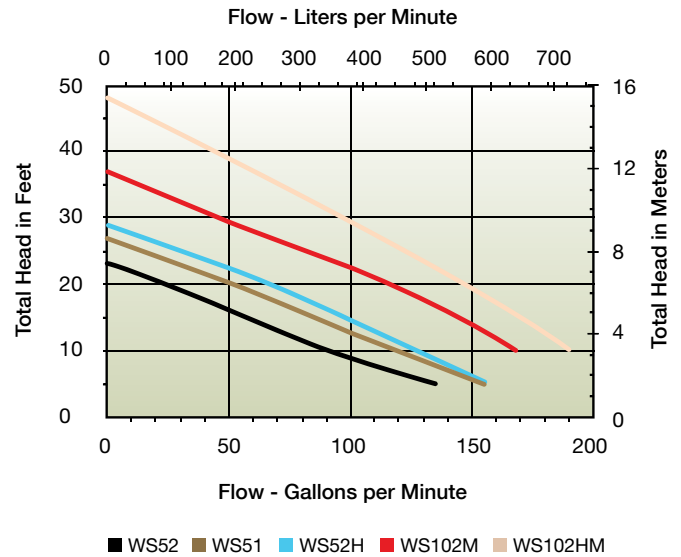
230 V, 60 Hz

460 V, 60 Hz

**Operation:** Automatic or manual

**Solids Handling:** 2" (50.8 mm)

### Performance Curve



### Model Characteristics

Item	Model	HP	Volts	Phase	FLA	Capacity	Shut Off	Switch Type	Cord
620003	WS52AM	1/2	115	1	11.6	135 gpm @ 5' 511.0 lpm @ 1.5 m	23' 7.0 m	Piggyback Mechanical Float	Cord Length
620013	WS52M	1/2	115	1	11.6	135 gpm @ 5' 511.0 lpm @ 1.5 m	23' 7.0 m	-	20' 6 m
620002	WS51AM	1/2	115	1	11.6	155 gpm @ 5' 587 lpm @ 1.5 m	27' 8.2 m	Piggyback Mechanical Float	20' 6 m
620012	WS51M	1/2	115	1	11.6	155 gpm @ 5' 587 lpm @ 1.5 m	27' 8.2 m	-	20' 6 m
620254	WS52HM	1/2	115	1	15	155 gpm @ 5' 587 lpm @ 1.5 m	29' 8.8 m	-	30' 9.1 m
620255	WS52HAM	1/2	115	1	15	155 gpm @ 5' 587 lpm @ 1.5 m	29' 8.8 m	Piggyback Mechanical Float	30' 9.1 m
620256	WS52HM-12	1/2	208-230	1	9.7	155 gpm @ 5' 587 lpm @ 1.5 m	29' 8.8 m	-	30' 9.1 m
620257	WS52HAM-12	1/2	208-230	1	9.7	155 gpm @ 5' 587 lpm @ 1.5 m	29' 8.8 m	Piggyback Mechanical Float	30' 9.1 m
620215	WS102AM-12	1	208-230	1	9.8	168 gpm @ 10' 763.7 lpm @ 3	23' 7.0 m	Piggyback Mechanical Float	20' 6 m
620203	WS102M	1	208-230	1	9.8	168 gpm @ 10' 763.7 lpm @ 3	37' 11.3 m	-	20' 6 m
620208	WS102M-32	1	208-230	3	4.3/4.5	168 gpm @ 10' 763.7 lpm @ 3	37' 11.3 m	-	20' 6 m
620209	WS102M-34	1	460	3	2.15	168 gpm @ 10' 763.7 lpm @ 3	37' 11.3 m	-	20' 6 m
620258	WS102HM-12	1	230	1	13.6	190 gpm @ 10' 719 lpm @ 3	48' 14.6 m	-	30' 9.1 m
620259	WS102HAM-12	1	230	1	13.6	190 gpm @ 10' 719 lpm @ 3	48' 14.6 m	Piggyback Mechanical Float	30' 9.1 m



## Sewage Pumps

# 18S/20S SERIES 1-1/2 HP, 2 HP



### Applications

- Effluent and sewage waste transfer

### Features

- 1-1/2 hp, 2 hp permanent split capacitor motor with overload protection (single-phase models)
- Designed for continuous duty
- Epoxy coated cast iron housing, cover and volute
- 3" FNPT (76 mm) discharge
- Carbon/ceramic shaft seal
- Vortex brass impeller
- Upper and lower ball bearings
- 20' (6 m) power cord
- UL and CSA listed

### Series Specifications

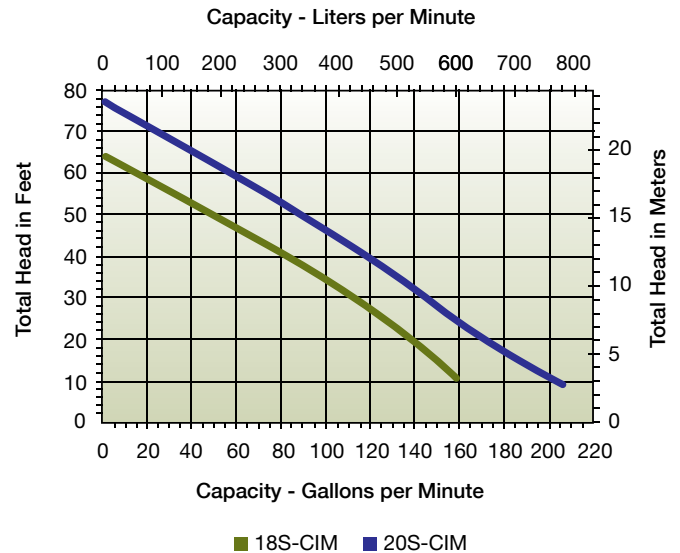
**Liquid Temperature:** 140 °F (60 °C)

**Electrical:** 230 V, 60 Hz  
208 V, 60 Hz  
200 - 208 V, 60 Hz  
460 V, 60 Hz

**Operation:** Manual

**Solids Handling:** 2" (51 mm)

### Performance Curve



### Model Characteristics

#### 18S Series 1-1/2 hp

Item #	Model	Volts	Phase	Capacity	Shut Off
520301	18S-CIM	230	1	160 gpm @ 10' 606 lpm @ 8.5 m	64' 19.5 m
520300	18S-CIM	208	1	160 gpm @ 10' 606 lpm @ 8.5 m	64' 19.5 m
520302	18S-CIM	200-208	3*	160 gpm @ 10' 606 lpm @ 8.5 m	64' 19.5 m
520303	18S-CIM	230	3*	160 gpm @ 10' 606 lpm @ 8.5 m	64' 19.5 m
520304	18S-CIM	460	3*	160 gpm @ 10' 606 lpm @ 8.5 m	64' 19.5 m

Note: Single-phase pumps can use either a mechanical float switch or a single-phase control panel for automatic on/off.

\*Three-phase pumps must have a three-phase control panel for automatic or manual operation.

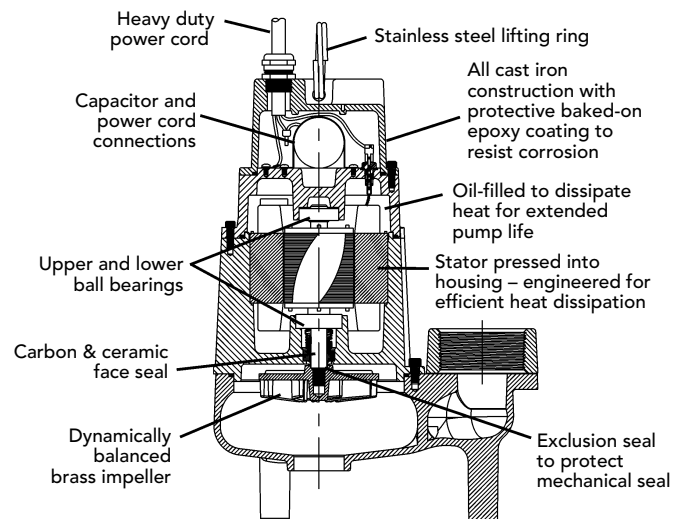
#### 20S Series 2 hp

Item #	Model	Volts	Phase	Capacity	Shut Off
520100	20S-CIM	208-230	1	205 gpm @ 10' 776 lpm @ 8.5 m	77' 23 m
520125	20S-CIM	200-208	3*	205 gpm @ 10' 776 lpm @ 8.5 m	77' 23 m
520150	20S-CIM	230	3*	205 gpm @ 10' 776 lpm @ 8.5 m	77' 23 m
520175	20S-CIM	460	3*	205 gpm @ 10' 776 lpm @ 8.5 m	77' 23 m

Note: Single-phase pumps can use either a mechanical float switch or a single-phase control panel for automatic on/off.

\*Three-phase pumps must have a three-phase control panel for automatic or manual operation.

### Features



## Sewage Pumps

# WSV52 SERIES 1/2 HP



### Applications

- Effluent and sewage waste transfer

### Features

- 1/2 hp permanent split capacitor motor with overload protection
- Designed for continuous duty
- Epoxy coated cast iron housing, cover and volute
- 2" NPT (51 mm) discharge
- Carbon/ceramic mechanical seal
- Cast iron vortex impeller
- Double ball bearings
- cCSA listed

### Series Specifications

**Capacity:** 75 gpm @ 10' (340.9 lpm @ 8.5 m)

**Shut Off:** 25' (7.6 m)

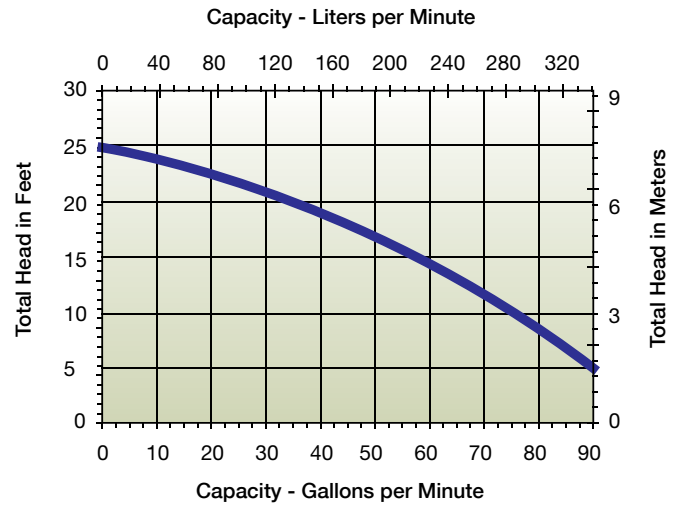
**Liquid Temperature:** 140 °F (60 °C)

**Electrical:** 115 V, 60 Hz

**Operation:** Manual and automatic

**Solids Handling:** 2" (51 mm)

### Performance Curve



### Model Characteristics

Item #	Model	Volts	FLA	Phase	Discharge NPT	Switch	Cord Length
620235	WSV52HM	115	6.8	1	2" 51 mm	Manual	20' 6 m
620236	WSV52HAM	115	6.8	1	2" 51 mm	Automatic	20' 6 m

# Premium Simplex Systems Pit+Plus®/Pit+Plus® Jr.

## Applications

- Collection of sewage, effluent, drainage or seepage water

## Features

- Roto-molded polyethylene basin in two size options: 20" x 30" (51 cm x 76 cm) or 24" x 24" (61 cm x 61 cm)
- Radial rib design for extra strength
- 360° molded handle for easy handling
- Molded torque stops at basin bottom to secure pump
- 4" (10.2 cm) molded external inlet hub for flexible coupling
- Structural foam or IAPMO approved steel cover options available
- One- or two-piece cover options available
- Slip-fit or bolt-on cover flange options available
- 4/10 hp or 1/2 hp sewage pump options available



9S-SMPXC-LG

9S-SMPX-LG

## Model Specifications

### Pre-Packaged (assembly required)

Item #	Model	Basin Size	Cover					Pump HP	Check Valve
			Style	Material	Flanges	Vent	Discharge		
509108	9S-SMPX-LG	20" x 30" 51 cm x 76 cm	1-Piece	Structural Foam	Bolt-On	2" 51 mm	2" 51 mm	4/10	2" 51 mm
511135	10S-SMPX-LG	20" x 30" 51 cm x 76 cm	1-Piece	Structural Foam	Bolt-On	2" 51 mm	2" 51 mm	1/2	2" 51 mm
509090	9S-SMPX-LG	20" x 30" 51 cm x 76 cm	1-Piece	Structural Foam	Slip-Fit	2" or 3" 51 mm or 76 mm	2" 51 mm	4/10	2" 51 mm
511069	10S-SMPX-LG	20" x 30" 51 cm x 76 cm	1-Piece	Structural Foam	Slip-Fit	2" or 3" 51 mm or 76 mm	2" 51 mm	1/2	2" 51 mm
509011	9S-SMPX-LG	20" x 30" 51 cm x 76 cm	2-Piece	Structural Foam	Bolt-On	2" 51 mm	2" 51 mm	4/10	2" 51 mm
511020	10S-SMPX-LG	20" x 30" 51 cm x 76 cm	2-Piece	Structural Foam	Bolt-On	2" 51 mm	2" 51 mm	1/2	2" 51 mm
509632	9S-SMPXC-LG	24" x 24" 61 cm x 61 cm	1-Piece	Structural Foam	Bolt-On	2" 51 mm	2" 51 mm	4/10	2" 51 mm
511632	10S-SMPXC-LG	24" x 24" 61 cm x 61 cm	1-Piece	Structural Foam	Bolt-On	2" 51 mm	2" 51 mm	1/2	2" 51 mm
509631	9S-SMPXC-LG	24" x 24" 61 cm x 61 cm	1-Piece	Structural Foam	Slip-Fit	2" or 3" 51 mm or 76 mm	2" 51 mm	4/10	2" 51 mm
511631	10S-SMPXC-LG	24" x 24" 61 cm x 61 cm	1-Piece	Structural Foam	Slip-Fit	2" or 3" 51 mm or 76 mm	2" 51 mm	1/2	2" 51 mm

**Note: Other BASIN/PUMP/COVER configurations are available. Please contact factory for information on package requirements not shown here.**

continued on the next page

# Premium Simplex Systems

## Pit+Plus®/Pit+Plus® Jr.

continued

### Model Characteristics

#### Pre-Assembled (ready to install)

Item #	Model	Basin Size	Cover					Pump HP	Check Valve	Alarm
			Style	Material	Flanges	Vent	Discharge			
509109	9S-SMPX-LG	20" x 30" 51 cm x 76 cm	1-Piece	Structural Foam	Bolt-On	2" 51 mm	2" 51 mm	4/10	2" 51 mm	-
509115	9S-SMPX-LG1A	20" x 30" 51 cm x 76 cm	1-Piece	Structural Foam	Bolt-On	2" 51 mm	2" 51 mm	4/10	2" 51 mm	Indoor High Water
511136	10S-SMPX-LG	20" x 30" 51 cm x 76 cm	1-Piece	Structural Foam	Bolt-On	2" 51 mm	2" 51 mm	1/2	2" 51 mm	-
509091	9S-SMPX-LG	20" x 30" 51 cm x 76 cm	1-Piece	Structural Foam	Slip-Fit	2" or 3" 51 mm or 76 mm	2" 51 mm	4/10	2" 51 mm	-
509097	9S-SMPX-LG1A	20" x 30" 51 cm x 76 cm	1-Piece	Structural Foam	Slip-Fit	2" or 3" 51 mm or 76 mm	2" 51 mm	4/10	2" 51 mm	Indoor High Water
511070	10S-SMPX-LG	20" x 30" 51 cm x 76 cm	1-Piece	Structural Foam	Slip-Fit	2" or 3" 51 mm or 76 mm	2" 51 mm	1/2	2" 51 mm	-
511077	10S-SMPX-LG	20" x 30" 51 cm x 76 cm	1-Piece	(IAPMO) Steel	Slip-Fit	2" 51 mm	2" 51 mm	1/2	2" 51 mm	-
509118	9S-SMPX-LG	20" x 30" 51 cm x 76 cm	1-Piece	(IAPMO) Steel	Slip-Fit	2" 51 mm	2" 51 mm	4/10	2" 51 mm	-
509017	9S-SMPX-LG	20" x 30" 51 cm x 76 cm	2-Piece	Structural Foam	Bolt-On	2" 51 mm	2" 51 mm	4/10	2" 51 mm	-
511023	10S-SMPX-LG	20" x 30" 51 cm x 76 cm	2-Piece	Structural Foam	Bolt-On	2" 51 mm	2" 51 mm	1/2	2" 51 mm	-
509635	9S-SMPXC-LG	24" x 24" 61 cm x 61 cm	1-Piece	Structural Foam	Bolt-On	2" 51 mm	2" 51 mm	4/10	2" 51 mm	-
511635	10S-SMPXC-LG	24" x 24" 61 cm x 61 cm	1-Piece	Structural Foam	Bolt-On	2" 51 mm	2" 51 mm	1/2	2" 51 mm	-
509633	9S-SMPXC-LG	24" x 24" 61 cm x 61 cm	1-Piece	Structural Foam	Slip-Fit	2" or 3" 51 mm or 76 mm	2" 51 mm	4/10	2" 51 mm	-
511633	10S-SMPXC-LG	24" x 24" 61 cm x 61 cm	1-Piece	Structural Foam	Slip-Fit	2" or 3" 51 mm or 76 mm	2" 51 mm	1/2	2" 51 mm	-

#### Basin Cover Assemblies\* - Pit+Plus®/Pit+Plus® Jr.

Item #	Model	Basin Size	Cover				
			Style	Material	Flanges	Vent	Discharge
513245	BC2030CS-LG	20" x 30" 51 cm x 76 cm	1-Piece	Structural Foam	Bolt-On	2" 51 mm	2" 51 mm
513244	BC2030CS-LG	20" x 30" 51 cm x 76 cm	1-Piece	Structural Foam	Slip-Fit	2" or 3" 51 mm or 76 mm	2" or 3" 51 mm or 76 mm
513092	BC2424CS-LG	24" x 24" 61 cm x 61 cm	1-Piece	Structural Foam	Bolt-On	2" 51 mm	2" 51 mm
513091	BC2424CS-LG	24" x 24" 61 cm x 61 cm	1-Piece	Structural Foam	Slip-Fit	2" or 3" 51 mm or 76 mm	2" or 3" 51 mm or 76 mm

\* Note: Basin and cover only

# Simplex Systems

## Applications

- Collection of sewage, effluent, drainage, or seepage water

## Features

- Multiple basin styles to choose from
  - structural foam or roll top poly
- One or two-piece cover options available
- Slip-fit or bolt-on cover flange options available
- 4/10 hp or 1/2 hp sewage pump options available



9S-SMPX

10S-SMPX

## Pre-Packaged Simplex Systems (assembly required)

Item #	Model	Basin			Cover					Pump HP	Check Valve
		Size	Style	Inlet Hub Included	Style	Material	Flanges	Vent	Discharge		
509007	9S-SMPX	18" x 30" 46 cm x 76 cm	Structural Foam	Snap-in Vinyl Hub	1-Piece	Steel	Slip-Fit	2" 51 mm	2" 51 mm	4/10	2" 51 mm
509009	9S-SMPX	18" x 30" 46 cm x 76 cm	Structural Foam	Cast Iron Hub	1-Piece	Steel	Slip-Fit	2" 51 mm	2" 51 mm	4/10	2" 51 mm
509042	9S-SMPX	18" x 30" 46 cm x 76 cm	Structural Foam*	Snap-in Vinyl Hub	2-Piece	Steel	Bolt-On	2" 51 mm	2" 51 mm	4/10	2" 51 mm
509044	9S-SMPX	18" x 30" 46 cm x 76 cm	Structural Foam	Snap-in Vinyl Hub	2-Piece	Steel	Bolt-On	2" 51 mm	2" 51 mm	4/10	2" 51 mm
509045	9S-SMPX	18" x 30" 46 cm x 76 cm	Structural Foam	Cast Iron Hub	2-Piece	Steel	Bolt-On	2" 51 mm	2" 51 mm	4/10	2" 51 mm
511044	10S-SMPX	18" x 30" 46 cm x 76 cm	Structural Foam	Snap-in Vinyl Hub	2-Piece	Steel	Bolt-On	2" 51 mm	2" 51 mm	1/2	2" 51 mm
509074	9S-SMPXRT-K	18" x 30" 46 cm x 76 cm	Roll Top Poly	4" Adaptaflex & Multi-tite Grommet	1-Piece	Structural Foam	Slip-Fit	2" or 3" 51 mm or 76 mm	2" 51 mm	4/10	2" 51 mm
509076	9S-SMPXRT-K	18" x 30" 46 cm x 76 cm	Roll Top Poly	4" Adaptaflex & Multi-tite Grommet	1-Piece	Structural Foam	Slip-Fit	2" 51 mm	3" 76 mm	4/10	-
509078	9S-SMPXRT-K	18" x 30" 46 cm x 76 cm	Roll Top Poly	4" Adaptaflex & Multi-tite Grommet	1-Piece	Structural Foam	Slip-Fit	2" 51 mm	3" 76 mm	4/10	3" 76 mm
511065	10S-SMPXRT-K	18" x 30" 46 cm x 76 cm	Roll Top Poly	4" Adaptaflex & Multi-tite Grommet	1-Piece	Structural Foam	Slip-Fit	2" or 3" 51 mm or 76 mm	2" 51 mm	1/2	2" 51 mm

**Note: Other configurations are available. Please contact factory for information on package requirements not shown here.**

\* Inlet hole is not pre-cut

continued on the next page

# Simplex Systems

continued

## Model Characteristics

### Pre-Assembled Simplex Systems (ready to install)

Item #	Model	Basin			Cover					Pump HP	Check Valve	Alarm
		Size	Style	Inlet Hub Included	Style	Material	Flanges	Vent	Discharge			
509067	9S-SMPXRTA-K	18" x 30" 46 cm x 76 cm	Roll Top Poly	4" Adaptaflex & Multi-tite Grommet	1-Piece	Structural Foam	Slip-Fit	2" or 3" 51 mm or 76 mm	2" 51 mm	4/10	2"* 51 mm	Indoor High Water
509073	9S-SMPXRT-K	18" x 30" 46 cm x 76 cm	Roll Top Poly	4" Adaptaflex & Multi-tite Grommet	1-Piece	Structural Foam	Slip-Fit	2" or 3" 51 mm or 76 mm	2" 51 mm	4/10	2" 51 mm	-
509079	9S-SMPXRTA-K	18" x 30" 46 cm x 76 cm	Roll Top Poly	4" Adaptaflex & Multi-tite Grommet	1-Piece	Structural Foam	Slip-Fit	2" or 3" 51 mm or 76 mm	2" 51 mm	4/10	2" 51 mm	Indoor High Water
511064	10S-SMPXRT-K	18" x 30" 46 cm x 76 cm	Roll Top Poly	4" Adaptaflex & Multi-tite Grommet	1-Piece	Structural Foam	Slip-Fit	2" or 3" 51 mm or 76 mm	2" 51 mm	1/2	2" 51 mm	-
620054	WSV52S-FP	18" x 30" 46 cm x 76 cm	Roll Top Poly	4" Adaptaflex & Multi-tite Grommet	1-Piece	Structural Foam	Slip-Fit	2" or 3" 51 mm or 76 mm	2" 51 mm	1/2	2" 51 mm	-

\* Check valve/ball valve

### Basin & Cover Assemblies - Simplex (pump not included)

Item #	Model	Basin			Cover				
		Size	Style	Inlet Hub Included	Style	Material	Flanges	Vent	Discharge
513100	BS1830CS2V2D	18" x 30" 46 cm x 76 cm	Structural Foam*	Snap-in Vinyl Hub	2-Piece	Steel	Bolt-On	2" 51 mm	2" 51 mm
513103	BB1830CS2V2D	18" x 30" 46 cm x 76 cm	Structural Foam	Cast Iron Hub	2-Piece	Steel	Bolt-On	2" 51 mm	2" 51 mm
513119	BS1830CS2V2D	18" x 30" 46 cm x 76 cm	Structural Foam	Snap-in Vinyl Hub	1-Piece	Steel	Bolt-On	2" 51 mm	2" 51 mm
513105	BB2436CS2V2D	24" x 36" 61 cm x 91.4 cm	Structural Foam	Cast Iron Hub	1-Piece	Steel	Bolt-On	2" 51 mm	2" 51 mm
513144	BB3036CS2V2D	30" x 36" 76 cm x 91.4 cm	Structural Foam	Cast Iron Hub	1-Piece	Steel	Bolt-On	2" 51 mm	2" 51 mm
513240	BS1830CSRT-K	18" x 30" 46 cm x 76 cm	Roll Top Poly	4" Adaptaflex & Multi-tite Grommet	1-Piece	Structural Foam	Slip-Fit	2" or 3" 51 mm or 76 mm	2" or 3" 51 mm or 76 mm

\* Inlet hole is not pre-cut

### Basin & Cover Assemblies - Duplex

Pre-packaged duplex systems NOW available, call for more information.

Item #	Model	Basin			Cover				
		Size	Style	Inlet Hub Included	Style	Material	Flanges	Vent	Discharge
513129	BB2436CD2V2D	24" x 36" 61 cm x 91.4 cm	Structural Foam	Cast Iron Hub	3-Piece	Steel	Bolt-On	2" 51 mm	2" 51 mm
513148	BB3036CS2V2D	30" x 36" 76 cm x 91.4 cm	Structural Foam	Cast Iron Hub	3-Piece	Steel	Bolt-On	2" 51 mm	2" 51 mm
513151	BB3036CS3V3D	30" x 36" 76 cm x 91.4 cm	Structural Foam	Cast Iron Hub	3-Piece	Steel	Bolt-On	3" 76 mm	3" 76 mm
513118	BB3636CD3V3D	36" x 36" 91.4 cm x 91.4 cm	Fiberglass	Cast Iron Hub	3-Piece	Steel	Bolt-On	3" 76 mm	3" 76 mm
513125	BB3636CD2V2D	36" x 36" 91.4 cm x 91.4 cm	Fiberglass	Cast Iron Hub	3-Piece	Steel	Bolt-On	2" 51 mm	2" 51 mm

## Sump Pumps

# WCR SERIES

## Water Collection & Removal Systems

### Applications

- Collection of sewage, effluent, drainage or seepage water

### Features

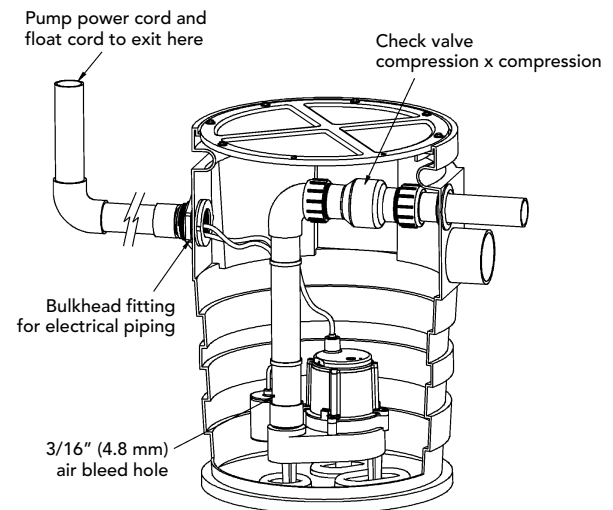
- Pre-packaged 20" x 30" (51 mm x 76 mm) polyethylene basin with 4/10 hp sewage pump
- Options of structural foam or steel covers
- Includes schedule 40 PVC discharge piping with pre-drilled air-bleed hole
- Designed with side outlets for discharge and electrical cords
- Includes 2" (51 mm) bulkhead fitting to easily route power cords out of basin
- Once installed, no digging required for system servicing



### Model Specifications

WCR Water Collection & Removal Systems				
Item #	Model	Pump HP	Cover	Capacity
509081	WCR-9SP	4/10	Structural Foam	80 gpm @ 5' 303 lpm @ 1.5 m
509082	WCR-9SS	4/10	Steel	80 gpm @ 5' 303 lpm @ 1.5 m

### Typical Installation



## Grinder Pumps & Packages

# GP Series 2 HP



### Applications

- Residential sewage waste transfer where high head conditions exist

### Features

- 2 hp single-phase, capacitor start/run motor with built-in overload protection for over-current and over-temperature damage
- Compact and easier to lift - only 75 lbs (34 kg)
- Epoxy coated cast iron finish for corrosion-resistance and durability
- Externally mounted start components\*
- Carbon/ceramic shaft seal
- Impeller features include: brass, 7-vane, angled face, non-clogging and balanced design
- Tight cutting clearances for better cutting action
- GP-A model includes leg kit
- UL and CSA listed

### Series Specifications

**Capacity:** 32 gpm @ 20' (121 lpm @ 6 m)

**Shut Off:** 130' (37 m)

**Liquid Temperature:** 140 °F (60 °C)

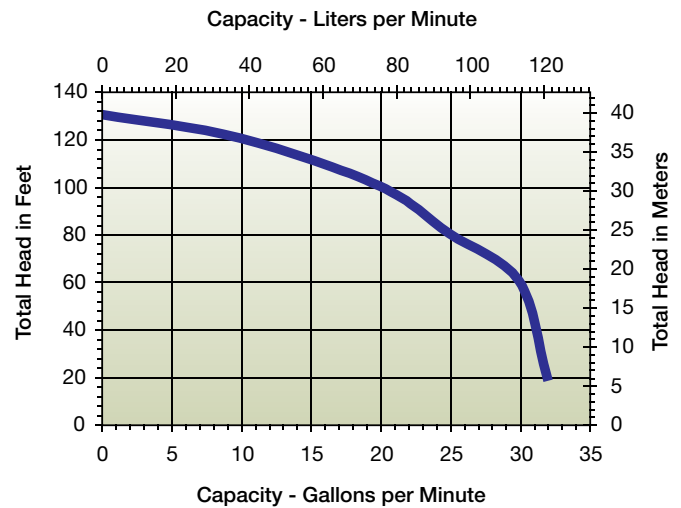
**Electrical:** 230 V, 60 Hz  
208 V, 60 Hz

**Operation:** Automatic or manual

**Bearings:** Upper and lower ball bearings

**Cutter System:** Hardened stainless steel

### Performance Curve



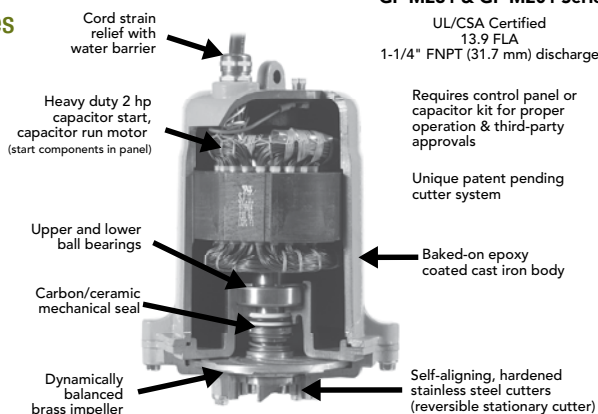
### Model Characteristics

Item #	Model	Volts	Cord (w/o plug)	Switch Type	On Level	Off Level
520885	GP-A201-20	208	20' 6 m	Piggyback Mechanical Float (no panel required)	23" - 25" 58.4 cm - 63.5 cm	9" - 11" 23 cm - 28 cm
520875	GP-A231-20	230	20' 6 m	Piggyback Mechanical Float (no panel required)	23" - 25" 58.4 cm - 63.5 cm	9" - 11" 23 cm - 28 cm
520855	GP-M201-15-H130	208	15' 4.6 m	-	-	-
520865	GP-M231-15-H130	230	15' 4.6 m	-	-	-

Note: GP-M grinder pumps require specific control panel or capacitor kit specifically matched to pump for proper operation and third-party approvals.

\* GP-M models only.

### Features





# Simplex Grinder Packages

## Applications

- Residential sewage waste transfer where high head conditions exist

## Features

- Quick to install fiberglass basin and covers are pre-assembled with corrosion-resistant rail system
- Includes sealing flange, discharge pipe disconnect, pre-set control float switches, stainless steel float bracket, stainless steel guide rails, lifting chain, junction box and ball check valve

### Basin & Cover Assemblies:

- Pre-assembled with stainless steel rail system, with sealing flange, discharge pipe disconnect, three pre-set control float switches, stainless steel guide rails, lifting chain, junction box, ball valve and check valves

### Package Systems:

- Includes GP series 2 hp grinder pump (installed in field), grinder control panel/alarm with starting component matched to grinder motor



## Model Characteristics

### Simplex Grinder Package System\*\*

Item #	Model	Volt	Basin		
			Size	Description	Style
520827	GP-SMPX2460	230	24" x 60"	BS2460FG	Fiberglass
			61 cm x 152.4 cm		
520828	GP-SMPX2472	230	24" x 72"	BS2472FG	Fiberglass
			61 cm x 183 cm		
520829	GP-SMPX2484	230	24" x 84"	BS2484FG	Fiberglass
			61 cm x 213.3 cm		

### Basin Specifications\*\*\* (Pump and panel not included)

Item #	Model	Basin	
		Size	Style
113371	BS2460FG-K	24" x 60"	Fiberglass
		61 cm x 152.4 cm	
113372	BS2472FG-K	24" x 72"	Fiberglass
		61 cm x 183 cm	
113373	BS2484FG	24" x 60"	Fiberglass
		61 cm x 152.4 cm	

\*\* Other Grinder Package configurations are available. Please contact factory for information on package requirements not shown here.

\*\*\* Basin and Cover Assemblies for Grinder Pumps are available in various configurations. Please contact factory for special order basin assembly.

# Simplex Grinder Hard Piped Packages

## Applications

- Residential sewage waste transfer

## Features

- Fiberglass basin
- SCH 80 PVC discharge piping with union disconnect
- 1-1/4" SCH 80 PVC check-valve and ball-valve
- 4" Adapt-A-Flex inlet hub
- Structural foam cover (green)
- For use with Little Giant's GP-A Series or GP-M Series pumps



## Model Characteristics

Item #	Model	Size	Discharge
513160	BS2448FGHP	24" x 48"	1-1/4"
		61 cm x 122 cm	31.7 mm
513164	BS2460FGHP	24" x 60"	1-1/4"
		61 cm x 152 cm	31.7 mm

\*\*GP-M Series manual grinders require control panel, 3 floats and leg kit.

# Grinder Retrofit Kit



### Applications

- Direct simplex replacement grinder for positive displacement grinder systems

### Features

- Fast, simple and easy installation
- Epoxy coated steel cover
- 1-1/4" NPT piping
- Includes water-tight junction box for ease of installation, 1 - 1/4" cast iron anti-siphon / check valve, 2 hp 3450 rpm automatic grinder pump with mechanical float switch
- Adjustable alarm float switch preset at factory
- Quick disconnect plug

### Series Specifications

**Capacity:** 31 gpm @ 40' (117 lpm @ 12.19 m)

**Shut Off:** 130' (37 m)

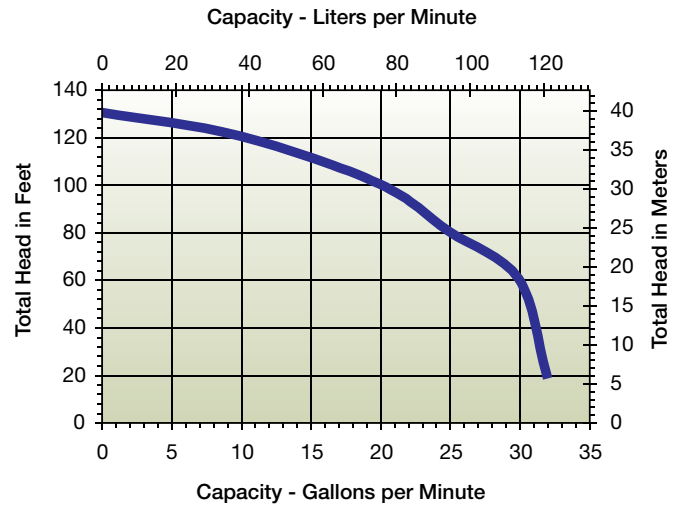
**Liquid Temperature:** 140 °F (60 °C)

**Cutter System:** Hardened stainless steel

**Electrical:** 230 V, 60 Hz

**Operation:** Automatic

### Performance Curve



### Model Characteristics

Item #	Model	HP	Volts	Phase	Full Load Amps/Watts	Switch
520835	GP-A-RFK	2	230	1	13.9 3200	Piggyback Mechanical Float

## Accessories

### Piggyback Mechanical Float Switch



#### Applications

- Residential sewage waste transfer



#### Features

- RFSN-6, RFSN-9 and RFSN-10 convert any manual pump, up through 1/2 hp (115 V) or 1 hp (230 V)
- RFSN-16 and RFSN-20 convert any manual pump, up through 3/4 hp (115 V), or 2 hp (230 V)
- UL and CSA listing

Item #	Model	Volts	Max. Amps	Cord
599118	RFSN-6	115/230	13	10' 3 m
599117	RFSN-9	115/230	13	15' 4.6 m
599128	RFSN-9	208/230	13	15' 4.6 m
599210	RFSN-10	115/230	13	20' 6 m
599119	RFSN-10	115/230	13	25' 7.6 m
599211	RFSN-16	115/230	15	20' 6 m
599318	RFSN-20	125/250	20	20' 6 m (w/o plug)

### Piggyback Vertical Mechanical Float Switch



#### Applications

- Residential sewage waste transfer

#### Features

- Converts any manual pump, up through 1/2 hp (115 V) or 1 hp (230 V)
- Adjustable pumping range from 6.5" (16.5 cm) to .75" (1.9 cm)
- Designed for use in confined areas
- Not sensitive to turbulence
- UL/CSA listing

Item #	Model	Volts	Max. Amps	Cord
599261	RVMS-10	115/230	13	10' 3 m
599262	RVMS-15	115/230	13	15' 4.6 m
599263	RVMS-20	115/230	13	20' 6 m

### Piggyback Diaphragm Switch



#### Applications

- Converts manual pumps to automatic operation



#### Features

- RS-5 converts any manual pump, up through 1/2 hp (115 V)
- RS-5-LL (Low Level) converts any manual pump, up through 1/3 hp (115 V)
- UL and CSA listing (115 V models only)

Item #	Model	Volts	Max. Amps	Cord	Mounted to 5-MSP pump	
					On Level	Off Level
599008	RS-5	115	10	10' 3 m	6" - 9" 15.2 cm - 23 cm	1" - 4" 2.5 cm - 10.2 cm
599009	RS-5	115	10	18' 5.5 m		
599010	RS-5	230	10	8' 2.4 m (w/o plug)		
599014	RS-5LL	115	10	18' 5.5 m	2" - 3" 5 cm - 7.6 cm	1/2" - 1-1/2" 1.27 cm - 3.8 cm
599019	RS-5LL	115	10	25' 7.6 m		

## Accessories


### Double-Float Piggyback Mechanical Float Switch



#### Applications

- Pump control

#### Features

- Controls pumps up to 1 hp (120 V) and 2 hp (230 V)
- Adjustable pumping range of 1.75" (4.4 cm) to 48" (122 cm)
- Consists of two floats, one of which contains a holding relay, enabling the floats to function in series
-  and CSA listing

Item #	Model	Volts	Max. Amps
14940410	15DFMMD1WP	115	13
14940411	15DFMMD2WOP	230 (w/o plug)	13

### Sump Pump Switch Repair Kit



#### Applications

- Switch repair kit

#### Features

- Includes pressure switch bracket assembly, screw, diaphragm and O-ring

Item #	Model	Repairs Pumps	Housing
599300	SPRK-1	6-CIA, 8-CIA and 8-CBA	✓
599310	SPRK-1-ML	6-CIA-ML (used in WRSC-6)	✓
599320	SPRK-2	5-ASP, 6-CIA, 8-CIA and 8-CBA	-
599314	SPRK-2-ML	6-CIA-ML (used in WRSC-6)	-
599350	SPRK-3	10-CIA and 12-CBA	✓

### Vertical Diaphragm Switch



#### Applications

- For automatic control of a pump in water and sewage effluent applications

#### Features

- Designed to operate in applications with limited space, such as small sump chambers
- The VDS features models with either a 6" (15.2 cm) or 10" (25.4 cm) pumping range, max 1/2 hp, 13 amps
- UL and CSA listing

Item #	Model	Volts	Cord	Pumping Range
599165	VDS1006	115	10' 3 m	6" 15.2 mm
599168	VDS1010	115	10' 3 m	10" 25.4 mm
599166	VDS1506	115	15' 4.6 m	6" 15.2 mm
599169	VDS1510	115	15' 4.6 m	10" 25.4 mm
599167	VDS2010	115	20' 6 m	10" 25.4 mm

### Sump Pump Discharge Kits



#### Applications

- Discharging water out of the basement sump

#### Features

- Kit work with all types of sump pumps
- Kit includes 1-1/4" x 24' (31.7 mm x 7.3 m) corrugated polyethylene hose, ABS threaded 1-1/2" MNPT (38 mm) x 1-1/4" (31.7 mm) barbed adapter and 1-1/4" MNPT (31.7 mm) x 1-1/4" (31.7 mm) barbed adapter and galvanized steel clamp

Item #	Model	NPT
599303	SPDK	1-1/4"
		31.7 mm
		1-1/2"
		38 mm

## Accessories

### HWAB Alarm



#### Applications

- Indoor high water alarm

#### Features

- NEMA 1 thermoplastic enclosure
- Mechanical float switch with 15' (4.6 m) cable
- Alarm has red LED warning light, horn with silence switch and test button
- 9 VDC battery backup
- UL and CSA listing

Item #	Model	Volts	Cord
513288	HWAB	115	6' 1.83 m

### 303HWXT Alarm



#### Applications

- Indoor/outdoor high water alarm

#### Features

- Type 3R watertight thermoplastic enclosure
- Mechanical float switch with 15' (4.6 m) cable
- Alarm has red warning light, horn with silence switch and test button
- Includes pre-mounted terminal block so enclosure can also be used as a junction box
- UL and CSA listing

Item #	Model	Volts
513273	303HWXT	115

### Indoor Duplex Pump Control Alternator and Alarm System



#### Applications

- Switch repair kit

#### Features

- Easy-to-install, NEMA 1, 3/4 hp device
- Low-cost alternative to conventional duplex control panels
- Operates two manual sump, sewage or effluent pumps
- Alternates to standby pump if energized pump fails to turn on
- Audible alarm and red light indicator
- Operates single-phase pumps with 15 max. run amps
- cULus listing

Item #	Model	Volts	Max. Amps	Cord
513289	IDC-115	115	15	9.5' 2.9 m

### Low Voltage Water Alarm



#### Applications

- Discharging water out of the basement sump

#### Features

- Remote sensor detects water and sounds alarm
- Sensor and alarm connected by 6' (1.83 m) of wire
- Adaptable with additional wire (not included) for locating up to 50' (15.2 m) apart
- Solid state electronics powered by 9 V battery (not included)
- 5-decibel alarm sounds for 3 days
- Low battery warning
- Test bar for system check

Item #	Model	Volts
513350	HW-9	9V/DC

## Accessories

### Controls Simplex Systems



#### Applications

- Indoor/outdoor simplex alarm system and pump control

#### Features

- Includes control panel with audible alarm, silence switch and red alarm beacon
- Three floats, one each for high water, pump on and pump off
- Floats have 20' (6 m) power cords
- HOA switch offers either hand, off or automatic operations
- Two floats - pump on/off and alarm, 513257 only
- UL and C-UL listing

#### Single-Phase

Item #	Model	Volts	Hz	Amps
513267	1121W120H17A	120/208/230	60	15 - 20
513257	1151W200H17A	115/230	60	0 - 15
14940605	1221W120X6A	120/208/230	60	0 - 20
14940787	1221W120H6A17A19F	120/208/230	60	0 - 20

#### Three-Phase

Item #	Model	Volts	Hz	FLA
513265	3121W611H	208/240	60	13.0 - 18.0
513282	3121W201H17A	208/240/480	60	2.5 - 4.0
513284	3121W401H17A	208/240/480	60	6.0 - 10.0
513286	3121W511H17A	208/240/480	60	9.0 - 14.0

### Junction Boxes



Item #	Model
513281	JB66-3

- NEMA 4X waterproof fiberglass thermoplastic enclosure

### Controls Duplex Systems

#### Applications

- Indoor/outdoor duplex alarm system and pump control

#### Features

- Includes duplex pump control and alarm devices
- Pump alternator
- Visual and audible alarm and light system with silence switch
- Three floats, one each for high water, pump on and pump off
- Floats have 20' (6 m) power cords
- HOA switch offers either hand, off or automatic operations
- UL and C-UL listing

#### Single-Phase

Item #	Model	Volts	Hz	FLA
513258	1221W120H6A17A	115/208/230	60	0 - 20

#### Three-Phase

Item #	Model	Volts	Hz	FLA
513283	3221W201H17A	208/240/480	60	2.5 - 4.0
513285	3221W401H17A	208/240/480	60	6.0 - 10.0
513287	3221W511H17A	208/240/480	60	9.0 - 14.0
513266	3221W611H17A	208/240/480	60	13 - 18

### LG Plugger



#### Applications

- For wiring a pumping station installation

#### Features

- Utilizes a receptacle to accept a 120 V or 230 V piggyback plug and a pump plug
- Liquid-tight seal and strain relief for the cable entering the junction box from the pumping station
- Terminal strip that can be used for connecting an alarm system to the junction box
- UL and CSA listing

Item #	Model	Volts	Alarm	Float
513290	JBP120V	120	-	-
513292	JBP120V-TA1	120	101HW	Yes
513294	JBP120V-TAXT	120	303HWXT	Yes
513295	JBP230 V-TAXT	230	303HWXT	Yes

## Accessories

### Pump Disconnect



#### Applications

- When discharge is no lower than 18" (46 cm) below grade or where guide rails are not necessary

#### Features

- Non guide rail disconnect
- Point of discharge should be above the liquid level

Item #	Model	Disconnect
513302	PD-2	2"
		51 mm

### Intermediate Guide Rail Brackets



#### Applications

- For use with guide rail systems

#### Features

Item #	Model	Guide Rail
513303	IGR-3/4	3/4"
		19 mm (for use with GR-3/4)
513304	IGR-1-1/4	1-1/4"
		31.7 mm (for use with GR-1-1/4)

### Guide Rail Systems



#### Applications

- For installations with a total depth of over 5' (1.5 m) when the discharge pipe is 18" (46 cm) or more below grade, particularly when the liquid level is above the discharge level\*

#### Features

- 3/4" (19 mm) IPS (Iron Pipe Size) pipe rails should be used on the 1-1/4" (31.7 mm) and 2" (51 mm) system and 1-1/4" (31.7 mm) IPS pipe rail on the 3" (76 mm) system
- Brass foot guide supplied for use with steel pipe
- Guide rail brackets and steel stand-off brackets included with each system to support the upper end of the guide rail pipes
- One intermediate guide rail bracket is required for every 10' (3 m) of rail (guide rail pipes, lifting chain and pull rod not included)

Item #	Model	Discharge
513305	GR-3/4-114D	1-1/4"
		31.7 mm
513301	GR-3/4	2"
		51 mm
513300	GR-1-1/4	3"
		76 mm

All guide rail products can be used with any of the Franklin Electric, Little Giant effluent and sewage pumps having a 1-1/4" (31.7 mm), 2" (51 mm) or 3" (76 mm) discharge.

\* NOTE: Not for duplex installations. For guide rail information on duplex installations, please consult the factory.

### SA-1 Sacrificial Anode



#### Applications

- Magnesium accessory for use with aluminum-body pumps

#### Features

- Provides corrosion protection
- Lead wire

Item #	Wire
599002	8" 20 cm



## Accessories

### Cord Connectors



#### Applications

- Provides strain relief

#### Features

- Cord connector is liquid tight
- Polyamid and neoprene gland resist salt water, weak acids/alkalis and other chemicals

Item #	Model	Cord	Wire/Cable (AWG)
599207	CC-1	.270" to .480" 6.9 mm - 12.2 mm	18/2, 18/3, 18/4, 16/2, 16/3, 16/4, 14/2, 14/3
599213	CC-3	.545" to .709" 13.8 mm - 18 mm	14/2, 14/3, 14/4, 12/2, 12/3, 12/4, 10/2, 10/3

### Cast Iron Full Flow Check Valves



#### Features

- Vertical or horizontal installation
- Full-flow design
- Stops back flow of water
- Rated at 50 psi (115' [35 m] head) at 130 °F (55 °C)
- Cast iron NPT

Item #	Model	NPT
599131	CVCI-114NPT	1-1/4" 31.7 mm
599132	CVCI-112NPT	1-1/2" 38 mm
599133	CVCI-2NPT	2" 51 mm
599134	CVCI-3NPT	3" 76 mm

### Discharge Adapters



#### Applications

- Allows use of garden hose with utility and sump pumps

#### Features

- Polypropylene, rust resistant

Item #	Model	Size
599030	GH-1 Adapter (fits 5-MSP/ASP)	1" MNPT x 3/4" GHT 2.54 mm x 19 mm
599025	GH-3/4 Adapter	1-1/4" MNPT x 3/4" GHT 31.7 mm x 19 mm
599026	AD-6 Adapter (6-pk)	1-1/2" MNPT x 1-1/4" FNPT 38 mm x 31.7 mm

### Cast Iron Slip x Slip Union Check Valve



#### Features

- Vertical or horizontal installation
- Allows passage of 1-1/2" (38 mm) solids
- Checks backflow of water and sewer gas
- 2" (51 mm) ABS, PVC, steel pipe or copper piping
- Rated at 4.3 psi (10' [3 m] head) at 130 °F (55 °C)
- Cast iron NPT

Item #	Model
599135	CVCI-2

## Accessories

### CV-112 Check Valve



#### Features

- Universal check valve for sump pumps (38 mm) ID tubing
- 1-1/2" MNPT (38 mm) x 1-1/2"

Item #	Model	Material
577130	CV-112	PVC

### CV-SE Check Valve



#### Features

- Hose-connected check valve for 2" (51 mm) IPS pipe
- Allows passage of 3/4" (19 mm) solids

Item #	Model	Material
940021	CV-SE	ABS

### CV-SE2 Check Valve



#### Features

- Uses compression gaskets to connect to 2" (51 mm) IPS pipe
- Full-flow design passes 2" (51 mm) solids

Item #	Model	Material
940022	CV-SE2	PVC

### CVBV-2 Check Valve



#### Features

- PVC check valve/ball valve combination uses compression gaskets to connect to 2" (51 mm) IPS pipe
- Full-flow design passes 2" (51 mm) solids

Item #	Model	Material
599160	CVBV-2	PVC

### CV-114/112 Check Valve



#### Features

- Sump pump check valve fits both 1-1/4" (31.7 mm) and 1-1/2" (38 mm) pipe
- Full-flow, slip x slip design passes 1" (25.4 mm) solids

Item #	Model	Material
599059	CV-114/112	ABS

### CV-SE1 Check Valve



#### Features

- Uses compression gaskets to connect to 1-1/2" (38 mm) IPS pipe
- Full-flow design passes 1-1/2" (38 mm) solids

Item #	Model	Material
940019	CV-SE1	PVC

### CV-SE3 Check Valve



#### Features

- Uses compression gaskets to connect to 3" (76 mm) IPS pipe
- Full-flow design passes 3" (76 mm) solids

Item #	Model	Material
940023	CV-SE3	PVC

### CVBV-2U Check Valve



#### Features

- PVC check valve/ball valve combination uses union fittings to connect to 2" (51 mm) IPS pipe
- Full-flow design passes 2" (51 mm) solids
- Pressure rating: 100 psi @ 72BF

Item #	Model	Material
599161	CVBV-2U	PVC

## Grinder Accessories

### GP Grinder Series Control Panel and Alarm



#### Applications

- Designed exclusively for the GP Manual Grinder Series

#### Features

- Properly sized start components maximize efficiency and service life of the GP grinders
- Color-coded terminal strip for ease of installation
- Circuit breaker, audible alarm, silence switch and red flashing light are enclosed in a NEMA 4X waterproof enclosure
- Three floats (sold separately) control on, off, and alarm functions
- UL and CSA listing

#### Simplex

Item #	Model	Volts	Floats
513374	MGP-1C18-2	208/230	3 floats required

#### Duplex

Item #	Model	Volts	Floats
513375	MGPD-1C18	208/230	4 floats required

The GP Grinder Series requires a specific controller panel or capacitor kit from Franklin Electric specifically matched to the Little Giant pump for proper operation and third-party approvals.

### Junction Box Alarm Kit



#### Applications

- Designed specifically for auto grinder installations

#### Features

- Circuit breaker
- Labeled terminal block
- Alarm beacon
- Alarm float

Item #	Model
513297	JBAK

### Control Floats



#### Applications

- For use with control panel and alarms

#### Features

- Mechanically activated contacts
- Not sensitive to rotation
- 5 amp, 115/230 VAC, 50/60 Hz

Item #	Model	Switch	Cord
950266	CFSW	Weighted control float switch	20' 6 m
950267	CFST	Control float switch with cable clamp	20' 6 m

### Grinder Leg Kit



#### Applications

- Grinders

#### Features

- Includes three stainless steel support legs with stainless steel hardware
- A special stainless steel leg kit is available for "hard-piped" installations
- Easy to install, the legs raise the pump inlet area to approximately 4" (102 mm) off the surface to ensure clearance for solids to enter

Item #	Model	Use
599078	GLK	For GP Series only

# Capacitor Kit

## Applications

- For GP Series

## Features

- Includes start capacitor, run capacitor, relay, end caps and mounting hardware

Item #	Model	Volts
520857	GP-CK	208/230

## Utility Pumps

# Pony Pump® Series

## 1/10 HP

### Non-Submersible, Self-Priming



#### Applications

- Commercial, industrial and home uses where liquid must be transferred

#### Features

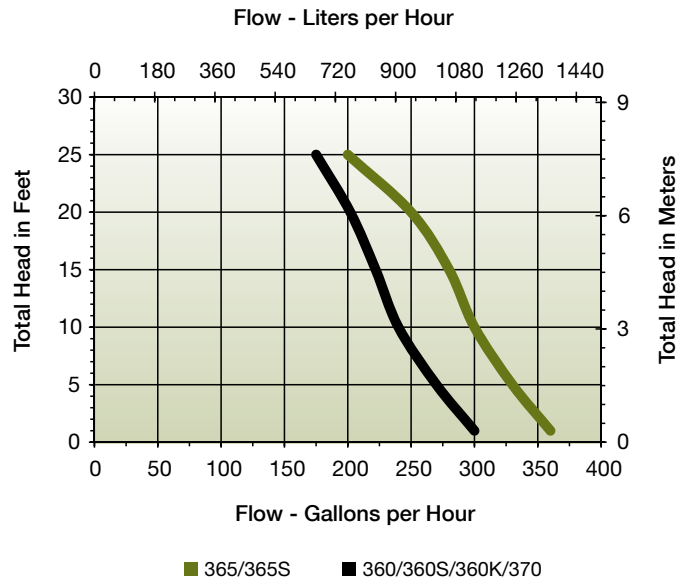
- Self-priming for instant delivery or de-watering up to 6' (1.8 m)
- Non-submersible stainless steel or plated brass pump body
- Rugged metallic handle for easy portability
- Dual threaded intake and discharge with both 3/4" (19 mm) male garden hose thread and 3/8" FNPT (9.5 mm)
- Model 360K includes pump, hose, strainer and suction adapter
- Pump only models available with separate kit options

#### Series Specifications

**Capacity:** Up to 360 gph (1363 lph)

**Shut Off:** 25' (7.6 m)

#### Performance Curve



#### Model Characteristics

Item #	Model	Volts	Cord	Material
555502	360	115	6' 1.8 m	Plated Brass
555103	360S	115	6' 1.8 m	Stainless Steel
555507	370	115	6' 1.8 m	Plated Brass
555602	365	12 VDC	12" w/clips 2.1 m	Plated Brass
555203	365S	12 VDC	12" w/clips 2.1 m	Stainless Steel
555122	360K	115	6' 1.8 m	Plated Brass

#### Pony Pump® Replacement Impeller & Brush Kits

Item #	Model	Includes	Kit Used On
555702	HRK-360S	(2) Each - Buna Impeller with SST Insert, Buna Cover Gaskets	All Models
		(1) Each - SST Cam, SST Cam Screws, SST Volute Cover, Cam Gasket	
		(4) Each - Volute Cover Screws	
555706	IRK-360	(2) Each - Buna Impellers with Brass Insert, Buna Cover Gaskets	555502, 555122, 555602
555710	HW-360	(1) Each - 10' ft Garden Hose, SST Spring Strainer, Suction Adapter	All Models
555713	IRK-360S	(2) Each - Buna Impellers with SST Insert, Buna Cover Gaskets	555103, 555203, 555503
555714	ISRK-360S	(2) Each - Buna Impellers with SST Insert, Buna Cover Gaskets	All Models
		(1) Each - Slinger, Viton U-Cup Seal, Felt Washer, Retainer Ring	
555705	WB-360	Brush Kit: (2) Each - White Caps, Brushes, Covers with Springs	All Models

## Utility Pumps

# UPSP Series 1/2 HP Non-Submersible, Self-Priming



### Applications

- Flooded basements, watering lawns and draining water heaters

### Features

- Non-submersible, in-line, portable utility transfer pump with rugged one-piece cast iron housing and integral carrying handle
- Self-priming to 15' (4.6 m) when priming chamber is filled
- Can also be used to boost water pressure for washing vehicles, sidewalks and more
- Convenient 3/4" (19 mm) brass garden hose adapters on intake and discharge
- UL and CSA listing

### Series Specifications

**Capacity:** 1152 gph @ 20'  
(4360 lph @ 6 m)

**Electrical:** 115 V, 60 Hz  
**Operation:** In-line only

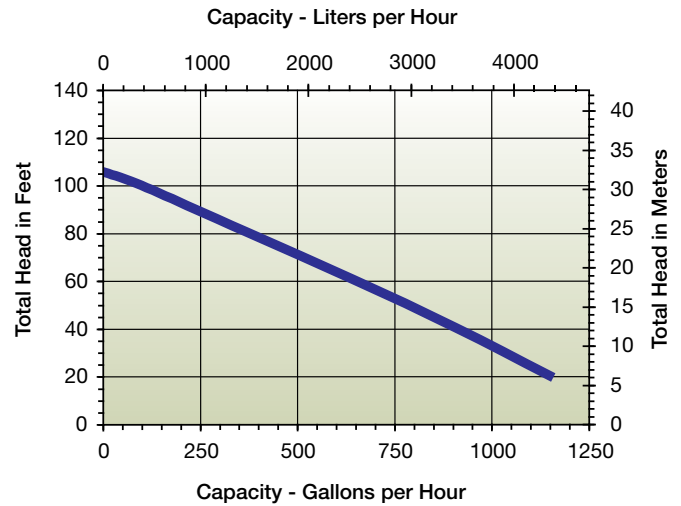
**Shut Off:** 105' (32 m)

**Liquid Temperature:** 140 °F (60 °C)

**Discharge:** 3/4" FNPT (19 mm)

**Impeller:** Engineered Thermoplastic

### Performance Curve



### Model Characteristics

Item #	Model	Volts	Cord	Housing	Mechanical Shaft Seal
555101	UPSP-5	115	10' 3 m	Cast Iron	Carbon/Ceramic

## Utility Pumps

# 5 Series 1/6 HP Submersible



WATER WIZARD®

### Applications

- Commercial, industrial and home uses where liquid must be transferred or recirculated

### Features

- 1/6 hp shaded pole motor with overload protection
- Designed for continuous duty
- Pumps down to 1/8" (38 mm)
- Garden hose adapter
- Removable inlet screen for easy cleaning
- Epoxy coated cast aluminum housing
- Viton® shaft seal
- Multiple switch options for automatic operation
- Multiple power cord lengths available

### Series Specifications

**Capacity:** 1200 gph @ 1'  
(4542 lph @ .3 m)

**Shut Off:** 26' (8 m)

**Liquid Temperature:** 120 °F (49 °C)

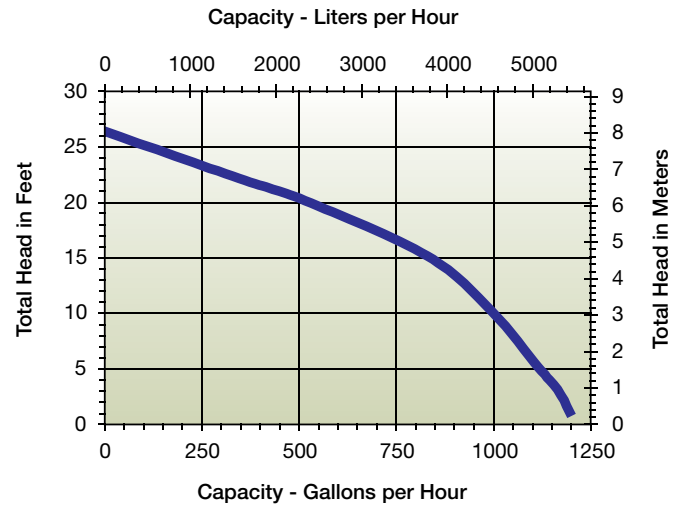
**Discharge:** 1" FNPT (25.4 mm)

**Impeller:** Nylon

**Electrical:** 115 V, 60 Hz  
230 V, 60 Hz

**Operation:** Automatic or manual

### Performance Curve



### Model Characteristics

Item #	Model	Volts	Cord	Listing	On Level	Off Level
505300	5-ASP	115	10' 3 m	cCSAus	6" - 9" 15.2 cm - 23 cm	1" - 4" 2.5 cm - 10.2 cm
505350	5-ASP-LL	115	18' 5.5 m	cCSAus	2" - 3" 5 cm - 7.6 cm	.5" - 1.5" 1.27 cm - 3.8 cm
505400	5-ASP-FS	115	10' 3 m	cCSAus	11" 28 cm	3" 7.6 cm
505486	5-MSPR	115	10' 3 m	cCSAus	-	-
505000	5-MSP	115	10' 3 m	cCSAus	-	-
505025	5-MSP	115	25' 7.6 m	cCSAus	-	-
505176	5-MSP	115	18' 5.5 m	cCSAus	-	-
505202	5-MSP	230	12' 3.6 m	-	-	-

## Utility Pumps

# UP16 SERIES 1/6 HP



### Applications

- Commercial, industrial and home dewatering and water transfer uses

### Features

- 1/6 hp oil-filled motor with overload protection
- Designed for continuous duty
- Pumps down to 1/4"
- Garden hose adapter
- Removable filter screen for easy cleaning
- Corrosion-resistant aluminum housing
- Stainless steel heat treated shaft

### Series Specifications

**Capacity:** 20 gpm @ 4' (75 lpm @ 1.5m)

**Shut Off:** 19' (5.79 m)

**Liquid Temp:** 120 °F (49 °C)

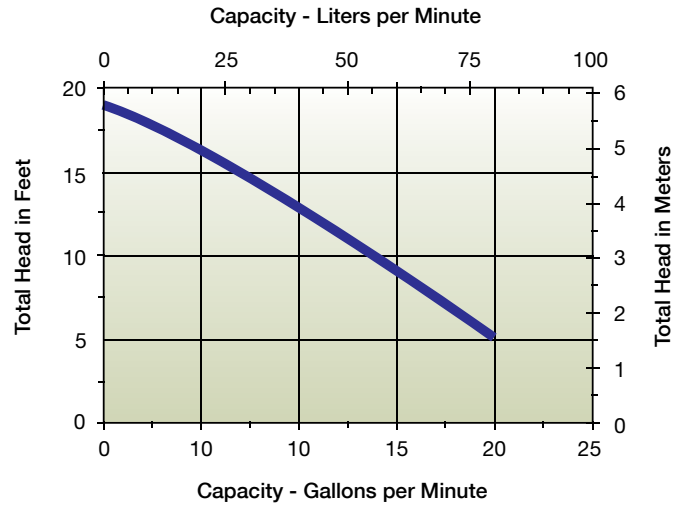
**Discharge:** 3/4" NPT

**Impeller:** Glass reinforced thermoplastic

**Electrical:** 115 V, 60 Hz

**Operation:** Manual

### Performance Curve



### Model Characteristics

Item #	Model	Volts	Cord	Listing
620137	UP16M	115	10' 3 m	cCSAus



## Utility Pumps

# FLS/FS SERIES 1/2 HP, 1 HP



### Applications

- Water transfer or recirculation and general construction dewatering

### Features

- 1/2 hp or 1 hp permanent split capacitor (PSC) motor with overload protection
- Designed for continuous duty
- Stainless steel shell and suction strainer
- Stainless steel shaft
- Upper/lower ball bearings and double mechanical seals (lower - silicon carbide on silicon carbide, upper-carbon on ceramic)
- 20' power cord

### Series Specifications

**Liquid Temp:** 120 °F (49 °C)

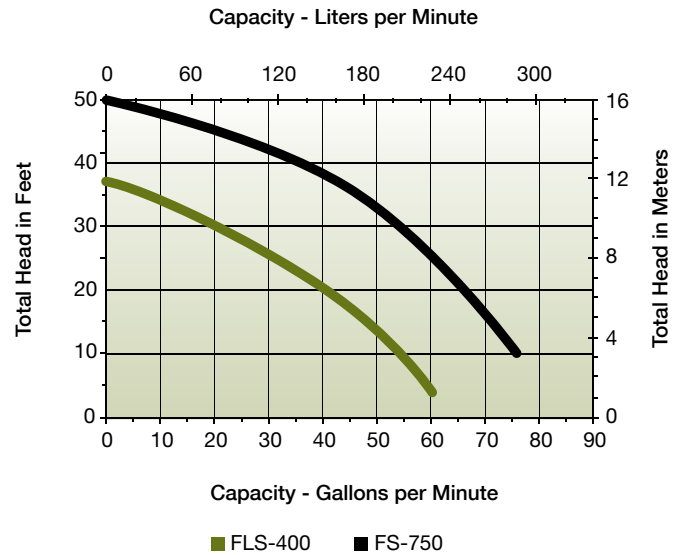
**Discharge:** 2" NPT (620240)  
2" Hose barb (620241)

**Impeller:** Urethane rubber semi-vortex (620240)  
Balanced ductile iron impeller (620241)

**Electrical:** 115 V, 60 Hz

**Operation:** Manual

### Performance Curve



### Model Characteristics

Item #	Model	HP	Discharge	Capacity	Shut Off
620240	FLS-400	1/2	2" NPT 51 mm	60 gpm @ 5' 227 lpm @ 15m	37' 11.2 m
620241	FS-750	1	2" Hose Barb 51 mm	76 gpm @ 5' 302.8 lpm @ 5m	52' 15.8 m

## Utility Pumps

# B50S SERIES 1/2 HP Self-Priming



### Applications

- Dewatering and water transfer

### Features

- 1/2 hp higher than NEMA service factor, dual compartment motor
- Carbon/ceramic mechanical seal
- Cast iron casing with large chamber for self-priming
- 8' (2.4 m) power cord
- Includes garden hose adapter

### Series Specifications

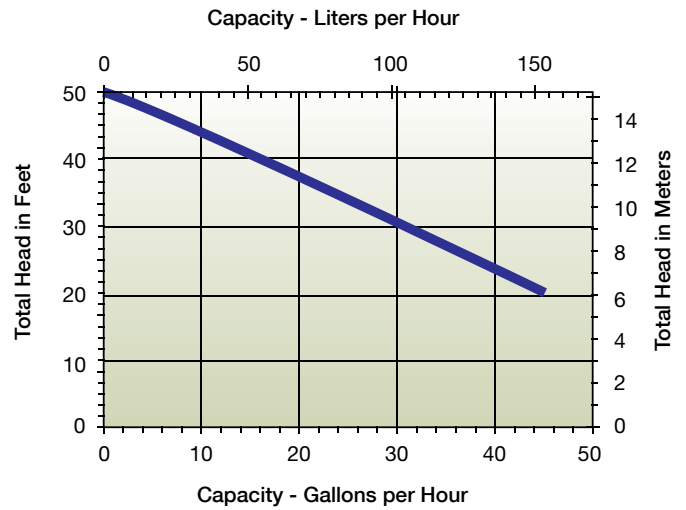
**Capacity:** 45 gpm @ 20' (170.3 lpm @ 6.1 m)

**Shut Off:** 50' (15.2m)

**Liquid Temp:** 120 °F

**Impeller:** Semi-open, cast iron

### Performance Curve

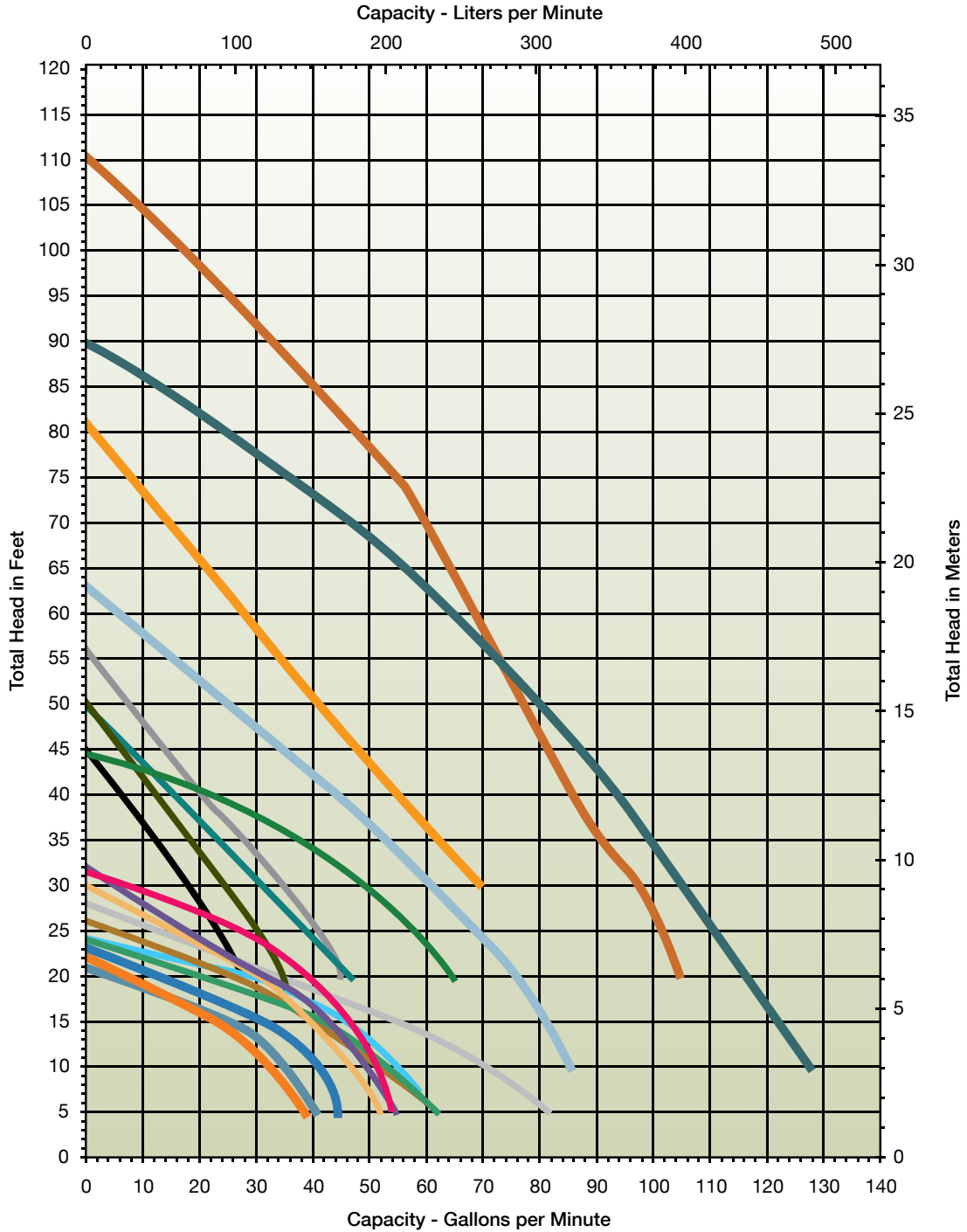


### Model Characteristics

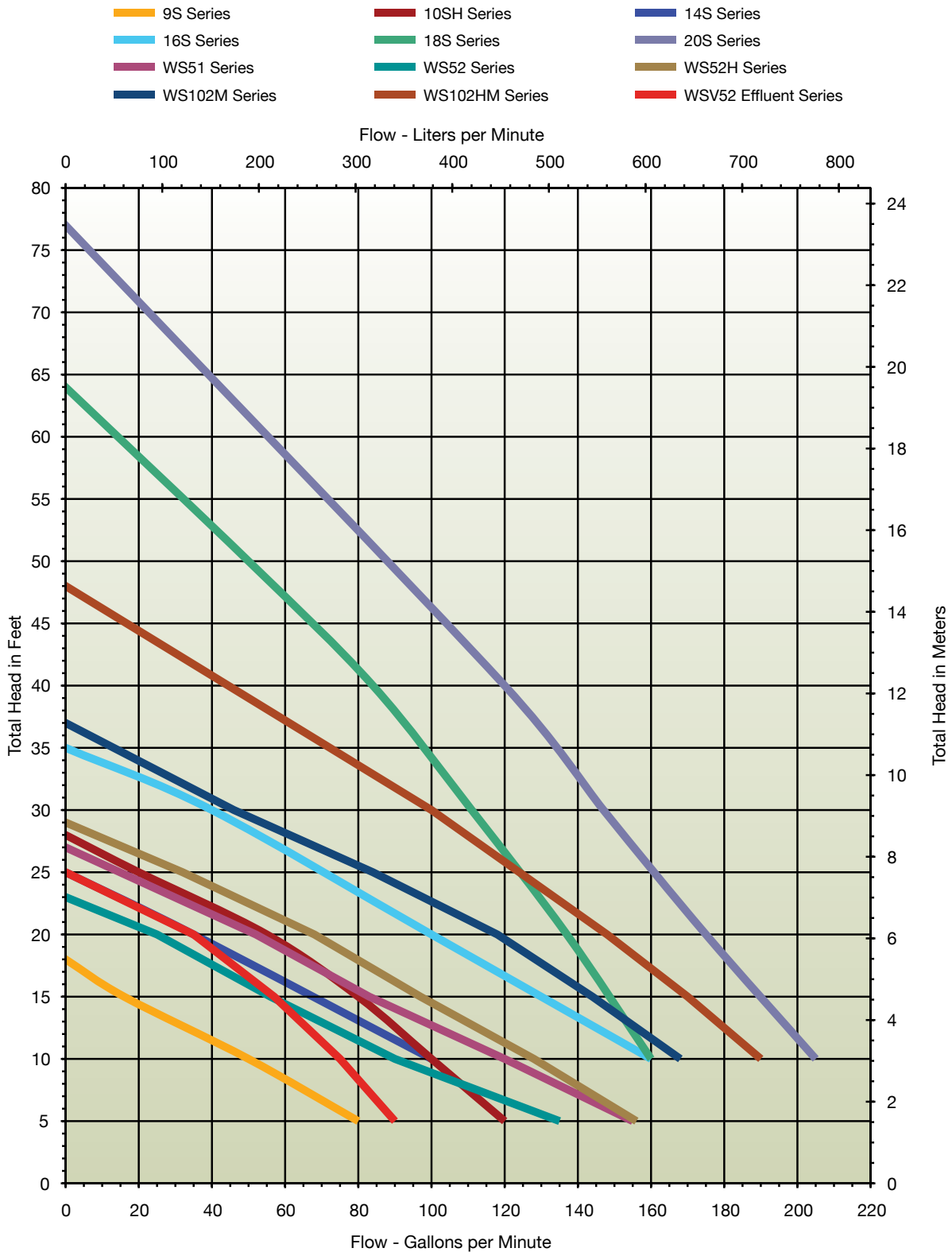
Item #	Model	Volts	Discharge	Suction NPT
621814	B50S	1/60/115/230 Capacitor Start	1-1/4" 31.7 mm	1-1/4" 31.7 mm

# Effluent Performance Curves

- 8E Series
- 10E Series (Manual)
- 14EH Series
- 6EN Effluent Series
- WS50 Series
- BE-S50 Series
- 10EN Series
- 9E Series
- 10E Series (Automatic)
- 16EH Series
- ESP50 Series
- WS100 Series
- BE-S75 Series
- 9EH Series
- HT 10E Series
- 20E Series
- WS 30 Series
- BE-S33 Series
- WSV50 Series



# Sewage Performance Curves



## Specification Charts

# Sump, Sump/Effluent Pumps and Sump Packaged Systems

### Sump Pumps

Item #	Model	HP	Performance (GPM @ Height in Feet)			Shut Off (ft)	PSI	Operation	Volts	Hertz	Amps	Watts	Cord (ft)	Weight (lbs)	Dimensions (inches)			List/Cert.
			5'	10'	15'										Height	Length	Width	
505700	5.5-ASP	1/4	35	30	20	25	10.8	Automatic	115	60	8.5	660	10	10.3	10.8	8.9	6	UL NSF
505701	5.5-ASP	1/4	35	30	20	25	10.8	Automatic	115	60	8.5	660	25	11	10.8	8.9	6	UL NSF
620136	SP25A	1/4	24	19	12	21	9.1	Automatic	115	60	3.2		10	8.5	12.13	6.4	-	CS US
506125	6-CIA	1/3	46	29	13	18	7.8	Automatic	115	50/60	9	720	25	18.5	6	9.5	8.5	CS US
506158	6-CIA	1/3	46	29	13	18	7.8	Automatic	115	50/60	9	720	8	17.5	6	9.5	8.5	CS US
506162	6-CIA	1/3	46	29	13	18	7.8	Automatic	115	50/60	9	720	8	17.6	6	9.5	8.5	CS US
506166	6-CIA	1/3	46	29	13	18	7.8	Automatic	230	50/60	4.5	720	8*	18.5	6	9.5	8.5	-
506171	6-CIA-RFS	1/3	46	29	13	18	7.8	Automatic or manual	115	50/60	9	720	10	18.5	7.3	9.5	7.3	CS US
506266	6-CIM	1/3	46	29	13	18	7.8	Manual	230	50/60	4.5	720	12*	18.5	6	9.5	8.5	-
506267	6-CIA-RS	1/3	46	29	13	18	7.8	Automatic or manual	115	50/60	9	720	10	17.5	7.3	9.5	7.3	CS US
506271	6-CIM-R	1/3	46	29	13	18	7.8	Manual	115	50/60	9	720	10	16.5	7.3	9.5	7.3	CS US
506274	6-CIM-R	1/3	46	29	13	18	7.8	Manual	115	50/60	9	720	25	18	7.3	9.5	7.3	CS US
507700	TSW-SP	1/3	45	40	32	32	13.1	Automatic	115	60	4.5	475	10	17	16	9.3	8.2	UL NSF
547151	VS-P2800	1/3	47	34	10	17	7.4	Automatic	115	60	4	316	8	16	31.2	9.5	9.5	UL NSF
620135	SP33A	1/3	30	23	16	23	-	Automatic	115	60	-	-	10	10	-	-	-	CS US
508057	8-CIM	4/10	54	42	26	22.9	9.9	Manual	115	50/60	10	830	10	18.75	6	9.5	8.5	CS US
508058	8-CIM	4/10	54	42	26	22.9	9.9	Manual	115	50/60	10	830	25	19.75	6	9.5	8.5	CS US
508157	8-CIA	4/10	54	42	26	22.9	9.9	Automatic	115	50/60	10	830	10	19	6	9.5	8.5	CS US
508158	8-CIA	4/10	54	42	26	22.9	9.9	Automatic	115	50/60	10	830	25	20.25	6	9.5	8.5	CS US
508257	8-CBM	4/10	54	42	26	22.9	9.9	Manual	115	50/60	10	830	10	21	6	9.5	8.5	CS US
508357	8-CBA	4/10	54	42	26	22.9	9.9	Automatic	115	60	10	830	10	21.25	6	9.5	8.5	CS US
512055	12-CBM	1/2	83	67	50	26	11.2	Manual	115	60	11	1100	10	40	10.3	9.3	8.6	UL NSF
512125	12-CBA	1/2	83	67	50	26	11.2	Automatic	115	60	11	1100	25	41	10.3	9.3	9.5	UL NSF
512155	12-CBA	1/2	83	67	50	26	11.2	Automatic	115	60	11	1100	10	40	10.3	9.3	9.5	UL NSF

\*Without plug

## Specification Charts

# Sump, Sump/Effluent Pumps and Sump Packaged Systems continued

### Sump/Effluent Pumps

Item #	Model	HP	Performance (GPM @ Height in Feet)						Shut Off (ft)	PSI	Operation	Volts	Hertz	Amps	Watts	Cord (ft)	Weight (lbs)	Dimensions (inches)			List/Cert.
			5'	10'	15'	20'	25'	30'										Height	Length	Width	
620089	ESP33M	1/3	44	34	13	-	-	-	17.50	7.6	Manual	115	60	5.6	-	10	20	8.93	10.57	8.15	CSAus
620120	ESP33AV	1/3	44	34	13	-	-	-	17.50	7.6	Automatic or manual	115	60	5.6	-	10	20	8.93	10.57	8.15	CSAus
620121	ESP33AV-P	1/3	44	34	13	-	-	-	17.50	7.6	Automatic or manual	115	60	5.6	-	10	20	8.93	10.57	8.15	CSAus
620185	ESP33AM-P	1/3	44	34	13	-	-	-	17.50	7.6	Automatic or manual	115	60	5.6	-	10	20	8.93	10.57	8.15	CSAus
620186	ESP33AM	1/3	44	34	13	-	-	-	17.50	7.6	Automatic or manual	115	60	5.6	-	10	20	8.93	10.57	8.15	CSAus
506610	6EN-CIM	1/3	50	42	30	-	-	-	22	9.5	Manual	115	60	6	600	10	27	9.87	8.75	8.5	CSAus
506611	6EN-CIM	1/3	50	42	30	-	-	-	22	9.5	Manual	115	60	6	600	20	27	9.87	8.75	8.5	CSAus
506612	6EN-CIM	1/3	50	42	30	-	-	-	22	9.5	Manual	115	60	6	600	25	27	9.87	8.75	8.5	CSAus
506615	6EN-CIM	1/3	50	42	30	-	-	-	22	9.5	Manual	230	60	3	600	10	27	9.87	8.75	8.5	CSAus
506616	6EN-CIM	1/3	50	42	30	-	-	-	22	9.5	Manual	230	60	3	600	20	27	9.87	8.75	8.5	CSAus
506619	6EN-CIA-RF	1/3	50	42	30	-	-	-	22	9.5	Piggyback Mechanical Float	115	60	6	600	20	27	9.87	8.75	8.5	CSAus
506620	6EN-CIA-RF	1/3	50	42	30	-	-	-	22	9.5	Piggyback Mechanical Float	115	60	6	600	10	27	9.87	8.75	8.5	CSAus
506630	6EN-CIA-SFS	1/3	50	42	30	-	-	-	22	9.5	Integral Snap Action Float	115	60	6	600	10	27	10.18	10.6	8.39	CSAus
506631	6EN-CIA-SFS	1/3	50	42	30	-	-	-	22	9.5	Integral Snap Action Float	115	60	6	600	20	27	10.18	10.6	8.39	CSAus
506635	6EN-CIA-SFS	1/3	50	42	30	-	-	-	22	9.5	Integral Snap Action Float	230	60	3	600	10	27	10.18	10.6	8.39	CSAus
506636	6EN-CIA-SFS	1/3	50	42	30	-	-	-	22	9.5	Integral Snap Action Float	230	60	3	600	20	27	10.18	10.6	8.39	CSAus
506641	6EN-CIM (Black)	1/3	50	42	30	-	-	-	22	9.5	Manual	115	60	6	600	20	27	9.87	8.75	8.5	CSAus
506420	ES33D1-10	1/3	52	40	28	-	-	-	20	8.7	Automatic or manual	115	60	5	475	20	30	9.3	9.8	11.8	CSAus
506422	ES33V1-10	1/3	52	40	28	-	-	-	20	8.7	Automatic or manual	115	60	5	475	10	28	9.3	9.8	11.8	CSAus
506424	ES33W1-10	1/3	52	40	28	-	-	-	20	8.7	Automatic or manual	115	60	5	475	10	28	9.3	9.8	11.8	CSAus
620174	ESP50M	1/2	70	66	61	51	36	2	31	13.4	Manual	115	60	6.7	-	20	28	12.42	9.28	7.78	CSAus
620178	ESP50AV	1/2	70	66	61	51	36	2	31	13.4	Vertical Mechanical Float	115	60	6.7	-	20	24	12.42	9.28	7.78	CSAus
620187	ESP50AM	1/2	70	66	61	51	36	2	31	13.4	Piggyback Mechanical Float	115	60	6.7	-	20	24	9.15	9.28	7.78	CSAus

### Sump Packaged Systems

Item #	Model	HP	Performance (GPM @ Height in Feet)				Shut Off (ft)	PSI	Operation	Volts	Hertz	Amps	Watts	Cord (ft)	Weight (lbs)	Dimensions (inches)			List/Cert.
			5'	10'	15'											Height	Length	Width	
506055	WRS-6	1/3	46	29	13	18	7.8	Automatic	115	50/60	9	720	9	26	16	14.5	Diameter	*	
506056	WRS-6	1/3	46	29	13	18	7.8	Automatic	230	50/60	4.5	720	9	27	16	14.5	Diameter	*	
506065	WRSC-6	1/3	46	29	13	18	7.8	Automatic	115	60	9	720	9	24	10.5	14.5	Diameter	*	
506066	WRSC-6	1/3	46	29	13	18	7.8	Automatic	230	50/60	5	720	9	25	10.5	14.5	Diameter	-	
509150	WRS-8E	1/3	52	45	33	21	9.1	Automatic	115	60	11.5	900	9	33	16	14.5	Diameter	*	
505055	WRS-5	1/6	15	12	8	21	9.1	Automatic	115	60	5	380	9	19	16	14.5	Diameter	*	
14940655	CS-SS	1/3	50	42	27	22	9.5	Automatic	115	60	6	600	9	41	22	18	Diameter	-	

\* Pump only = cCSAus

\* IAPMO = Basin only

# Effluent Pumps

## Effluent Pumps

Item #	Model	HP	Performance (GPM @ Height in Feet)				Shut Off (ft)	PSI	Operation	Volts	Hertz	Amps	Watts	Cord (ft)	Weight (lbs)	Dimensions (inches)			List/Cert.
			5'	10'	15'	20'										Height	Length	Width	
506610	6EN-CIM	1/3	50	42	30	-	22	9.5	Manual	115	60	6	600	10	27	9.87	8.75	8.5	
506611	6EN-CIM	1/3	50	42	30	-	22	9.5	Manual	115	60	6	600	20	27	9.87	8.75	8.5	
506612	6EN-CIM	1/3	50	42	30	-	22	9.5	Manual	115	60	6	600	25	27	9.87	8.75	8.5	
506615	6EN-CIM	1/3	50	42	30	-	22	9.5	Manual	230	60	3	600	10	27	9.87	8.75	8.5	
506616	6EN-CIM	1/3	50	42	30	-	22	9.5	Manual	230	60	3	600	20	27	9.87	8.75	8.5	
506619	6EN-CIA-RF	1/3	50	42	30	-	22	9.5	Piggyback Mechanical Float	115	60	6	600	20	27	9.87	8.75	8.5	
506620	6EN-CIA-RF	1/3	50	42	30	-	22	9.5	Piggyback Mechanical Float	115	60	6	600	10	27	9.87	8.75	8.5	
506630	6EN-CIA-SFS	1/3	50	42	30	-	22	9.5	Integral Snap Action Float	115	60	6	600	10	27	10.18	10.6	8.39	
506631	6EN-CIA-SFS	1/3	50	42	30	-	22	9.5	Integral Snap Action Float	115	60	6	600	20	27	10.18	10.6	8.39	
506635	6EN-CIA-SFS	1/3	50	42	30	-	22	9.5	Integral Snap Action Float	230	60	3	600	10	27	10.18	10.6	8.39	
506636	6EN-CIA-SFS	1/3	50	42	30	-	22	9.5	Integral Snap Action Float	230	60	3	600	20	27	10.18	10.6	8.39	
506641	6EN-CIM (Black)	1/3	50	42	30	-	22	9.5	Manual	115	60	6	600	20	27	9.87	8.75	8.5	
509000	8E-CIM	1/3	52	45	33	-	21	9.1	Manual	115	60	11.5	900	10	24	8.3	9.6	6.9	
509005	8E-CIM	1/3	52	45	33	-	21	9.1	Manual	115	60	11.5	900	15	24	8.3	9.6	6.9	
509050	8E-CIM	1/3	52	45	33	-	21	9.1	Manual	230	60	5.8	900	12	23	8.3	9.6	6.9	-
509100	8E-CIA-RFS	1/3	52	45	33	-	21	9.1	Automatic or manual	115	60	11.5	900	10	25	8.3	9.6	6.9	
509105	8E-CIA-RFS	1/3	52	45	33	-	21	9.1	Automatic or manual	115	60	11.5	900	15	26	8.3	9.6	6.9	
509120	8E-CIA-RFS	1/3	52	45	33	-	21	9.1	Automatic or manual	115	60	11.5	900	20	26	8.3	9.6	6.9	
509125	8E-CIM	1/3	52	45	33	-	21	9.1	Manual	115	60	11.5	900	25	25	8.3	9.6	6.9	
620000	WS30AM	1/3	105	90	70	45	28		Piggyback Mechanical Float	115	60	10.4		20	53	13.25	6.48	9.38	
620010	WS30M	1/3	105	90	70	45	28	12	Manual	115	60	10.4		20	50	11.25	12.25	9.38	
509200	9E-CIM	4/10	57	53	40	-	23	10	Manual	115	60	12.3	1000	15	26	9.1	9.6	6.9	
509225	9E-CIM	4/10	57	53	40	-	23	10	Manual	115	60	12.3	1000	25	27	9.1	9.6	6.9	
509250	9E-CIM	4/10	57	53	40	-	23	10	Manual	230	60	6.2	1000	20	26	9.1	9.6	6.9	-
509300	9E-CIA-RFS	4/10	57	53	40	-	23	10	Automatic or manual	115	60	12.3	1000	15	27	9.1	9.6	6.9	
509320	9E-CIA-RFS	4/10	57	53	40	-	23	10	Automatic or manual	115	60	12.3	1000	20	28	9.1	9.6	6.9	
511200	10E-CIM	1/2	80	67	52	-	26	11.2	Manual	115	60	10.5	900	15	35	10.4	9.6	8.3	
511225	10E-CIM	1/2	80	67	52	-	26	11.2	Manual	115	60	10.5	900	25	36	10.4	9.6	8.3	
511275	10E-CIM	1/2	80	67	52	-	26	11.2	Manual	208-230	50/60	6.5	900	15	36	10.4	9.6	8.3	
511300	10E-CIA-RFS	1/2	80	67	52	-	26	11.2	Automatic or manual	115	60	10.5	900	15	37	10.4	9.6	8.3	
511350	10E-CIA-SFS	1/2	80	67	52	-	24	10.4	Automatic	115	60	8.2	958	10	38	12.8	10.5	9.6	
511355	10E-CIA-SFS	1/2	80	67	52	-	24	10.4	Automatic	115	60	8.2	958	25	39	12.8	10.5	9.6	
511310	10EN-CIM	1/2	67	61	50	40	30	13	Manual	115	60	8	850	10	28	9.87	8.75	8.5	
511311	10EN-CIM	1/2	67	61	50	40	30	13	Manual	115	60	8	850	20	28	9.87	8.75	8.5	
511315	10EN-CIM	1/2	67	61	50	40	30	13	Manual	230	60	4	850	10	28	9.87	8.75	8.5	
511316	10EN-CIM	1/2	67	61	50	40	30	13	Manual	230	60	4	850	20	28	9.87	8.75	8.5	

\* Three-phase models require a control panel

## Specification Charts

# Effluent Pumps

continued

### Effluent Pumps continued

Item #	Model	HP	Performance (GPM @ Height in Feet)				Shut Off (ft)	PSI	Operation	Volts	Hertz	Amps	Watts	Cord (ft)	Weight (lbs)	Dimensions (inches)			List/Cert.
			5'	10'	15'	20'										Height	Length	Width	
511320	10EN-CIA-RF	1/2	67	61	50	40	30	13	Piggyback Mechanical Float	115	60	8	850	20	28	9.87	8.75	8.5	UL
511321	10EN-CIA-RF	1/2	67	61	50	40	30	13	Piggyback Mechanical Float	115	60	8	850	20	28	9.87	8.75	8.5	UL
511330	10EN-CIA-SFS	1/2	67	61	50	40	30	13	Integral Snap Action Float	115	60	8	850	10	28	10.18	10.6	8.39	UL
511331	10EN-CIA-SFS	1/2	67	61	50	40	30	13	Integral Snap Action Float	115	60	8	850	20	28	10.18	10.6	8.39	UL
511335	10EN-CIA-SFS	1/2	67	61	50	40	30	13	Integral Snap Action Float	230	60	4	850	10	28	10.18	10.6	8.39	UL
511336	10EN-CIA-SFS	1/2	67	61	50	40	30	13	Integral Snap Action Float	230	60	4	850	20	28	10.18	10.6	8.39	UL
620218	WS50HM-20	1/2	130	115	105	98	63	-	Manual	115	60	15	-	20	56	13.75	12.25	9.38	UL
620219	WS50HAM-20	1/2	130	115	105	98	63	-	Piggyback Mechanical Float	115	60	15	-	20	58	13.75	12.25	9.38	UL
620220	WS50HM-12-20	1/2	130	115	105	98	63	-	Manual	208-230	60	9.7	-	20	56	13.75	12.25	9.38	UL
620221	WS50HAM-12-20	1/2	130	115	105	98	63	-	Piggyback Mechanical Float	208-230	60	9.7	-	20	58	13.75	12.25	9.38	UL
620231	WS50M-20	1/2	105	92	80	64	42	-	Manual	115	60	11.6	-	20	55	13.75	12.25	9.38	UL
620233	WS50AM-20	1/2	105	92	80	64	42	-	Piggyback Mechanical Float	115	60	11.6	-	20	57	13.75	12.25	9.38	UL
620251	WS50M-12-20	1/2	105	92	80	64	42	-	Manual	208-230	60	9.7	-	20	56	13.75	12.25	9.38	UL
620253	WS50AM-12-20	1/2	105	92	80	64	42	-	Piggyback Mechanical Float	208-230	60	9.7	-	20	58	13.75	12.25	9.38	UL

Item #	Model	HP	Performance (GPM @ Height in Feet)				Shut Off (ft)	PSI	Operation	Volts	Hertz	Amps	Watts	Cord (ft)	Weight (lbs)	Dimensions (inches)			List/Cert.
			20'	40'	60'	80'										Height	Length	Width	
620206	WS100HM-34	1	140	115	76	27	90	-	Manual	460	60	3.1	-	30	62	13.75	12.25	9.38	UL
620207	WS100HM-32	1	140	115	76	27	90	-	Manual	230	60	6.2/6.4	-	30	62	13.75	12.25	9.38	UL
620222	WS100HM-12-20	1	140	115	76	27	90	-	Manual	208-230	60	13.6	-	20	57	13.75	12.25	9.38	UL
620223	WS100HAM-12-20	1	140	115	76	27	90	-	Piggyback Mechanical Float	208-230	60	13.6	-	20	59	13.75	12.25	9.38	UL

\* Three-phase models require a control panel

### Effluent Self-Priming

Item #	Model	HP	Performance (GPM @ Height in Feet)							Shut Off (ft)	PSI	Operation	Volts	Hertz	Amps	Watts	Cord (ft)	Weight (lbs)	Dimensions (inches)			List/Cert.
			20'	25'	30'	35'	40'	45'	50'										Height	Length	Width	
621805	BE-S33	1/3	36	30	23	16	9	-	45	-	Manual	115	60	9.4	-	-	41	10	14.4	7.6	UL	
621815	BE-S50	1/2	45	39	31	24	16	8	50	-	Manual	115/230	60	12.4/6.2	-	-	42	10	14.4	7.6	UL	
621825	BE-S75	3/4	58	53	44	36	29	18	56	-	Manual	115/230	60	14.8/7.4	-	-	43	10	14.4	7.6	UL	

\* Three-phase models require a control panel

### Effluent Pumps

Item #	Model	HP	Performance (GPM @ Height in Feet)				Shut Off (ft)	PSI	Operation	Volts	Hertz	Amps	Watts	Cord (ft)	Weight (lbs)	Dimensions (inches)			List/Cert.
			20'	30'	40'	80'										Height	Length	Width	
520200	20E-CIM	2	135	125	110	62	110		Manual	230	60	16.4	3872	20	92	17.8	12.9	8.4	UL
520225	20E-CIM*	2	135	125	110	62	110		Manual	200-208	60	13.1	2478	20	92	17.8	12.9	8.4	UL
520230	20E-CIM	2	135	125	110	62	110		Manual	230	60	16.4	2478	30	92	17.8	12.9	8.4	UL
520250	20E-CIM*	2	135	125	110	62	110		Manual	230	60	11.6	2476	20	92	17.8	12.9	8.4	UL
520275	20E-CIM*	2	135	125	110	62	110		Manual	460	60	5.7	2571	20	92	17.8	12.9	8.4	UL



# Effluent Pumps

continued

## High Head Effluent Pumps

Item #	Model	HP	Performance (GPM @ Height in Feet)						Shut Off (ft)	PSI	Operation	Volts	Hertz	Amps	Watts	Cord (ft)	Weight (lbs)	Dimensions (inches)			List/Cert.
			5'	10'	15'	20'	30'	40'										Height	Length	Width	
509330	9EH-CIM	4/10	70	64	55	-	-	-	32	13.8	Manual	115	60	13	1000	20	24	9.3	11.6	8.9	UL SF
509340	9EH-CIM	4/10	70	64	55	-	-	-	32	13.8	Manual	230	60	6.5	1000	20	24	9.3	11.6	8.9	UL SF
509350	9EH-CIA-RFS	4/10	70	64	55	-	-	-	32	13.8	Automatic or manual	115	60	13	1000	20	27	9.3	11.6	8.9	UL SF
509360	9EH-CIA-RFS	4/10	70	64	55	-	-	-	32	13.8	Automatic or manual	230	60	6.5	1000	20	27	9.1	11.6	8.9	UL SF
514220	14EH-CIM	1/2	-	-	-	60	40	20	50	21.6	Manual	115	60	12.5	1450	20	82	16.1	14.1	9.9	UL SF
514221	14EH-CIM	1/2	-	-	-	60	40	20	50	21.6	Manual	208-240	60	5.7	1275	20	81	16.1	14.1	9.9	UL
514520	16EH-CIM	1	-	-	-	-	90	70	81	35.1	Manual	230	60	10.2	2200	20	89	16.1	14.1	9.9	UL SF
514530	16EH-CIM*	1	-	-	-	-	90	70	81	35.1	Manual	208-240	60	6.6	1350	20	82	16.1	14.1	9.9	UL SF
514540	16EH-CIM	1	-	-	-	-	90	70	81	35.1	Manual	460-380	60	3.2	-	20	82	16.1	14.1	9.9	UL SF
514550	16EH-CIM*	1	-	-	-	-	90	70	81	35.1	Manual	575	60	2.5	1350	20	82	16.1	14.1	9.9	SF
620238	WSV50HM	2	83	74	62	48	30	-	45	19.5	Manual	115	60	10.2	-	20	36	14.50	9.60	6.10	SF US
620239	WSV50HAM	2	83	74	62	48	30	-	45	19.5	Piggyback Mechanical Float	115	60	10.2	-	20	38	14.50	9.60	6.10	SF US

\* Three-phase models require a control panel

## High Temperature Effluent Pumps

Item #	Model	HP	Performance (GPM @ Height in Feet)			Shut Off (ft)	PSI	Operation	Volts	Hertz	Amps	Watts	Cord (ft)	Weight (lbs)	Dimensions (inches)			List/Cert.
			5'	10'	15'										Height	Length	Width	
506600	HT-6E-CIA-FS	1/3	50	42	27	20	8.7	Automatic	115	60	10.1	735	15	32	10.9	8.8	8.5	SF
511600	HT-10E-CIM	1/2	80	70	59	24	10.4	Manual	115	60	10.5	900	15	38	10.3	9.6	9.1	SF
511700	HT-10E-CIA-FS	1/2	80	70	59	24	10.4	Automatic	115	60	10.5	900	15	39	10.3	9.6	9.1	SF

\* Three-phase models require a control panel

## High Head Filtered Effluent Pumps

Item #	Model	HP	Performance (GPM @ Height in Feet)				Shut Off (ft)	Volts	Hertz	Wire	Cord (ft)*	Weight (lbs)	Dimensions (inches)		List/Cert.
			50'	100'	150'	200'							Height	Diameter	
558221	WE10G05P4-21	1/2	15	13	10	7	250'	115	60	2 Wire	10'	24	21.9	3.9	-
558222	WE10G05P4-22	1/2	15	13	10	7	250'	230	60	2 Wire	10'	24	21.9	3.9	-
558223	WE20G05P4-21	1/2	26	20	8	-	160'	115	60	2 Wire	10'	25	23.9	3.9	-
558224	WE20G05P4-22	1/2	26	20	8	-	160'	230	60	2 Wire	10'	25	23.9	3.9	-
558225	WE30G05P4-21	1/2	32	14	-	-	115'	115	60	2 Wire	10'	22	21.4	3.9	-
558226	WE30G05P4-22	1/2	32	14	-	-	115'	230	60	2 Wire	10'	22	21.4	3.9	-

\* Power cord SJOW/300V stripped leads

# Sewage Pumps

## Sewage Pumps

Item #	Model	HP	Performance (GPM @ Height in Feet)						Shut Off (ft)	PSI	Operation	Volts	Hertz	Amps	Watts	Cord (ft)	Weight (lbs)	Dimensions (inches)			List/Cert.
			5'	10'	15'	20'	30'	40'										Height	Length	Width	
509400	9S-CIM	4/10	80	50	16	-	-	-	18	7.8	Manual	115	60	13	1020	15	36	11.6	10.3	6.8	UL NSF
509450	9S-CIM	4/10	80	50	16	-	-	-	18	7.8	Manual	230	60	6.5	1020	15	35	11.6	10.3	6.8	-
509500	9S-CIA-RFS	4/10	80	50	16	-	-	-	18	7.8	Automatic or manual	115	60	13	1020	15	37	11.6	10.3	6.8	UL NSF
509510	9S-CIA-RFS*	4/10	80	50	16	-	-	-	18	7.8	Automatic or manual	115	60	11.6	1020	15	37	11.6	10.3	6.8	UL NSF
509520	9S-CIA-RFS	4/10	80	50	16	-	-	-	18	7.8	Automatic or manual	115	60	13	1020	20	38	11.6	10.3	6.8	UL NSF
511400	10S-CIM	1/2	110	85	45	-	-	-	20	8.7	Manual	115	60	12	1000	15	43	12.8	10.3	8.3	UL NSF
511450	10S-CIM*	1/2	110	85	45	-	-	-	20	8.7	Manual	115	60	12	1000	15	46	12.8	11.5	8.3	UL NSF
511475	10S-CIM	1/2	110	85	45	-	-	-	20	8.7	Manual	208-230	50/60	6.6	1100	15	43	12.8	10.3	8.3	UL NSF
511500	10S-CIA-RFS	1/2	110	85	45	-	-	-	20	8.7	Automatic or manual	115	60	12	1000	15	45	12.7	10.3	8.3	UL NSF
511550	10S-CIA-SFS	1/2	110	85	45	-	-	-	20	8.7	Automatic	115	60	9.2	1086	10	46	15	10.3	9.6	UL NSF
511555	10S-CIA-SFS	1/2	110	85	45	-	-	-	20	8.7	Automatic	115	60	9.2	1086	25	47	15	10.3	9.6	UL NSF
511565	10S-CIA-SFS	1/2	110	85	45	-	-	-	20	8.7	Automatic	230	50/60	4.6	1086	25	47	15	10.3	9.6	UL NSF
514320	14S-CIM	1/2	-	100	68	35	-	-	25	10.8	Manual	115	60	11.6	1100	20	87	17.2	14.1	9.9	UL NSF
514321	14S-CIM	1/2	-	100	68	35	-	-	25	10.8	Manual	208-240	60	4.6	1100	20	88	17.2	14.1	9.9	UL
514420	14S-CIM*	1/2	-	100	68	35	-	-	25	10.8	Manual	115	60	11.6	1100	20	88	17.2	14.1	9.9	UL NSF
14940726	14S-CIM	1/2	-	100	68	35			25	10.8	Manual	208-240	60	4.6	1100	20	74	17.18	14.06	9.87	UL
















































\* 3" discharge

## Specification Charts

# Sewage Pumps

continued

### Sewage Pumps continued

Item #	Model	HP	Performance (GPM @ Height in Feet)						Shut Off (ft)	PSI	Operation	Volts	Hertz	Amps	Watts	Cord (ft)	Weight (lbs)	Dimensions (inches)			List/Cert.
			5'	10'	15'	20'	30'	40'										Height	Length	Width	
620235	WSV52HM	1/2	90	75	57	35	-	-	25	-	Manual	115	60	6.8	-	20	36	15.75	8.80	6.40	
620236	WSV52HAM	1/2	90	75	57	35	-	-	25	10.8	Piggyback Mechanical Float	115	60	6.8	-	20	57	15.75	8.80	6.40	
620002	WS51AM	1/2	155	120	83	52	-	-	27	-	Piggyback Mechanical Float	115	60	11.6	-	20	57	11.25	4.68	9.38	
620003	WS52AM	1/2	135	90	56	25	-	-	23	-	Piggyback Mechanical Float	115	60	11.6	-	20	59	13.75	4.68	9.38	
620012	WS51M	1/2	155	120	83	52	-	-	27	11.7	Manual	115	60	11.6	-	20	55	13.25	12.25	9.38	
620013	WS52M	1/2	135	90	56	25	-	-	23	-	Manual	115	60	11.6	-	20	57	14.00	12.25	9.38	
620254	WS52HM	1/2	156	128	97	68	32	-	29	-	Manual	115	60	15	-	30	58	15.10	12.25	9.38	
620255	WS52HAM	1/2	156	128	97	68	32	-	29	-	Piggyback Mechanical Float	115	60	15	-	30	60	15.10	12.25	9.38	
620256	WS52HM-12	1/2	156	128	97	68	32	-	29	-	Manual	208-230	60	9.7	-	30	58	15.10	12.25	9.38	
620257	WS52HAM-12	1/2	156	128	97	68	32	-	29	-	Piggyback Mechanical Float	208-230	60	9.7	-	30	60	15.10	12.25	9.38	
514620	16S-CIM	1	-	160	130	100	40	-	35	15.1	Manual	230	60	11	1900	20	94	17.2	14.1	9.9	 
514625	16S-CIM	1	-	160	130	100	40	-	35	15.1	Manual	200-208	60	11	1900	20	94	17.2	14.1	9.9	 
514630	16S-CIM	1	-	160	130	100	40	-	35	15.1	Manual	230	60	11	1900	40	95	17.2	14.1	9.9	 
514720	16S-CIM*	1	-	160	130	100	40	-	35	15.1	Manual	230	60	6.3	1550	20	89	17.2	14.1	9.9	 
514730	16S-CIM*	1	-	160	130	100	40	-	35	15.1	Manual	380/460	50/60	3	1300	20	90	17.2	14.1	9.9	 
514740	16S-CIM*	1	-	160	130	100	40	-	35	15.1	Manual	575	60	2.5	1400	20	88	17.2	14.1	9.9	
514750	16S-CIM*	1	-	160	130	100	40	-	35	15.1	Manual	200-208	60	6.8	1550	20	88	17.2	14.1	9.9	 
620203	WS102M	1	-	168	144	118	84	46	37	-	Manual	208-230	60	9.8/10.7	-	20	62	15.10	12.25	9.38	
620208	WS102M-32	1	-	168	144	118	84	46	37	-	Manual	208-230	60	4.3/4.5	-	20	63	15.10	12.25	9.38	
620209	WS102M-34	1	-	168	144	118	84	46	37	-	Manual	460	60	2.15	-	20	63	15.10	12.25	9.38	
620215	WS102AM-12	1	-	168	144	118	84	46	37	-	Piggyback Mechanical Float	208-230	60	9.8/10.7	-	20	64	15.10	12.25	9.38	
620258	WS102HM-12	1	-	190	170	148	124	100	48	-	Manual	230	60	13.6	-	30	61	15.10	12.25	9.38	
620259	WS102HAM-12	1	-	190	170	148	124	100	48	-	Piggyback Mechanical Float	230	60	13.6	-	30	63	15.10	12.25	9.38	
520300	18S-CIM	1-1/2	-	160	148	137	111	84	64	27.7	Manual	208	60	16	3229	20	96	19.1	13	8.5	 
520301	18S-CIM	1-1/2	-	160	148	137	111	84	64	27.7	Manual	230	60	15.5	3512	20	96	19.1	13	8.5	 
520302	18S-CIM*	1-1/2	-	160	148	137	111	84	64	27.7	Manual	200-208	60	13.5	1644	20	96	19.1	13	8.5	 
520303	18S-CIM*	1-1/2	-	160	148	137	111	84	64	27.7	Manual	230	60	11.5	1512	20	96	19.1	13	8.5	 
520304	18S-CIM*	1-1/2	-	160	148	137	111	84	64	27.7	Manual	460	60	5.3	1474	20	96	19.1	13	8.5	 
520100	20S-CIM*	2	-	205	195	168	140	120	77	33.3	Manual	208-230	60	18	4118	20	96	19.1	13	8.5	 
520125	20S-CIM*	2	-	205	195	168	140	120	77	33.3	Manual	200-208	60	14.5	2769	20	96	19.1	13	8.5	 
520150	20S-CIM*	2	-	205	195	168	140	120	77	33.3	Manual	230	60	12.6	2686	20	94	19.1	13	8.5	 
520175	20S-CIM*	2	-	205	195	168	140	120	77	33.3	Manual	460	60	6.1	2771	20	96	19.1	13	8.5	 

\* Three-phase models require a control panel

## Specification Charts

# Sewage Pumps

continued

### High Head Sewage Pumps

Item #	Model	HP	Performance (GPM @ Height in Feet)						Shut Off (ft)	PSI	Operation	Volts	Hertz	Amps	Watts	Cord (ft)	Weight (lbs)	Dimensions (inches)			List/ Cert.
			5'	10'	15'	20'	30'	40'										Height	Length	Width	
511420	10SH-CIM	1/2	120	100	80	55	-	-	28	12.1	Manual	115	60	11	900	15	44	12.8	10.3	8.3	UL cETL
511480	10SH-CIM	1/2	120	100	80	55	-	-	28	12.1	Manual	208-240	50/60	5.5	900	15	41.5	12.8	10.3	8.3	UL cETL
511520	10SH-CIA-RFS	1/2	120	100	80	55	-	-	28	12.1	Automatic or manual	115	60	11	900	15	44	12	10.3	8.3	UL cETL
511525	10SH-CIA-RFS	1/2	120	100	80	55	-	-	28	12.1	Automatic or manual	115	60	11	900	25	46	12	10.3	8.3	UL cETL

### Grinder Pumps















Item #	Model	HP	Performance (GPM @ Height in Feet)						Shut Off (ft)	PSI	Operation	Volts	Hertz	Amps	Watts	Cord (ft)	Weight (lbs)	Dimensions (inches)			List/ Cert.
			20'	40'	60'	80'	100'	120'										Height	Length	Width	
520855	GP-M201-15-H130	2	32	31	30	25	20	10	130	56	Manual	208	60	13.9	3200	20	75	13.1	11.5	9.6	UL cETL
520865	GP-M231-15-H130	2	32	31	30	25	20	10	130	56	Manual	230	60	13.9	3200	20	75	13.1	11.5	9.6	UL cETL
520875	GP-A231-20	2	32	31	30	25	20	10	130	56	Automatic	230	60	13.9	3200	15	90	21.5	11.5	9.6	UL cETL
520885	GP-A201-20	2	32	31	30	25	20	10	130	56	Automatic	208	60	13.9	3200	15	90	21.5	11.5	9.6	UL cETL

### Grinder Retrofit Kit



Item #	Model	HP	Performance (GPM @ Height in Feet)						Shut Off (ft)	PSI	Operation	Volts	Hertz	Amps	Watts	Cord (ft)	Weight (lbs)	Dimensions (inches)			List/ Cert.
			20'	40'	60'	80'	100'	120'										Height	Length	Width	
520835	GP-A-RFK	2	32	31	30	25	20	10	130	56	Automatic	230	60	13.9	3200	15	123	46.5	-	19.2	-

# Utility Pumps

## Utility Pumps

Item #	Model	HP	Performance (GPH @ Height in Feet)				Shut Off (ft)	PSI	Operation	Volts	Hertz	Amps	Watts	Cord (ft)	Weight (lbs)	Dimensions (inches)			List/Cert.
			5'	10'	15'	20'										Height	Length	Width	
555203	365S	-	270	240	222	202	25	19.9	Manual	12 VDC	-	7	165	1	3.4	4.2	5.9	4	-
555602	365	-	270	240	222	202	25	19.9	Manual	12 VDC	-	7	-	1	3.4	4.2	5.9	4	-
555103	360S	-	330	300	280	250	25	20.9	Manual	115	60	1.6	-	6	4.7	3.4	6.6	4	
555122	360K	-	330	300	280	250	25	20.9	Manual	115	60	1.6	-	6	4.7	3.4	6.6	4	
555502	360	-	330	300	280	250	25	20.9	Manual	115	60	1.6	-	6	4.7	3.4	6.6	4	
555507	370	-	330	300	280	250	25	20.9	Manual	115	60	1.6	-	6	4.7	4.2	6.6	4	
505000	5-MSP	1/6	1100	1000	840	520	26.3	11.4	Manual	115	60	5	380	10	8.25	7.8	6.1	4.3	
505025	5-MSP	1/6	1100	1000	840	520	26.3	11.4	Manual	115	60	5	380	25	8.75	7.8	6.1	4.3	
505086	5-MSP	1/6	1100	1000	840	520	26.3	11.4	Manual	115	60	5	380	10	8.75	7.8	6.1	4.3	
505176	5-MSP	1/6	1100	1000	840	520	26.3	11.4	Manual	115	60	5	380	18	8.5	7.8	6.1	4.3	
505202	5-MSP	1/6	1100	1000	840	520	26.3	11.4	Manual	230	60	2.5	380	12	8.25	7.8	6.1	4.3	-
505300	5-ASP	1/6	1100	1000	840	520	26.3	11.4	Automatic or manual	115	60	5	380	10	9	7.8	7.7	4.3	
505350	5-ASP-LL	1/6	1100	1000	840	520	26.3	11.4	Automatic or manual	115	60	5	380	18	10	7.8	7.7	4.3	
505400	5-ASP-FS	1/6	1100	1000	840	520	26.3	11.4	Automatic	115	60	5	380	10	9	8.5	6.1	4.3	
505486	5-MSPR	1/6	1100	1000	840	520	26.3	11.4	Manual	115	60	5	380	10	9	8.6	6.1	4.3	
620137	UP16M	1/6	1200	840	420		19	8.2	Manual	115	60	2.1	-	10	8.00	10.67	6.20	5.20	
555101	UPSP-5	1/2	-	-	-	1152	105	45.4	Manual	115	60	9	900	10	16	9.2	9.9	5.5	

## Utility Pumps

Item #	Model	HP	Performance (GPM @ Height in Feet)						Shut Off (ft)	PSI	Operation	Volts	Hertz	Amps	Watts	Cord (ft)	Weight (lbs)	Dimensions (inches)			List/Cert.
			5'	10'	15'	20'	30'	40'										Height	Length	Width	
620240	FLS-400	1/2	60	54	42	20	-	-	37	16	Manual	115	60	5.0	-	20	24.00	15.00	-	7.0	
620241	FS-750	1	80	76	73	68	54	38	52	22.5	Manual	115	60	10	-	20	35.00	13.97	-	7.24	

## Utility Self-Priming Pumps

Item #	Model	HP	Performance (GPM @ Height in Feet)						Shut Off (ft)	PSI	Operation	Volts	Hertz	Amps	Watts	Cord (ft)	Weight (lbs)	Dimensions (inches)			List/Cert.
			5'	10'	15'	20'	30'	40'										Height	Length	Width	
621814	B50S	1/2	-	-	-	45	31	16	50	21.06	Manual	115/230	60	-	-	8	43.00	7.62	7.5	9.87	-





## About Our Company.

In 2006, Franklin Electric Company acquired Little Giant Pump Company to solidify our position as a leading global supplier of water pumping systems for residential and commercial markets.

Little Giant® products - sump, sewage, effluent, utility, condensate removal and submersible industrial pumps - complement and broaden Franklin Electric's overall water systems offering.

Little Giant Pump Company, now Franklin Electric offers the industry a well-respected brand of products - Little Giant. Founded on quality, availability, service, innovation and value, Franklin Electric continues to bring the Little Giant brand name advantage.

Franklin Electric is a global leader in the production and marketing of systems and components for the movement of water and automotive fuels. Recognized as a technical leader in its specialties, Franklin serves customers around the world in residential, commercial, agricultural, industrial, municipal and fueling applications.

Long recognized as the world's largest manufacturer of submersible electric motors, Franklin Electric has been able to leverage its expertise in motor applications to grow and serve several different markets. The principal application for Franklin products is water well pumping systems, where the company offers pumps, motors, drives, and controls. In addition, Franklin Electric produces a vast array of products for fueling systems and the water transfer market.

With 3,500 employees worldwide, Franklin Electric is a global manufacturer with over 25 manufacturing and distribution facilities located in the United States, Germany, Czech Republic, Italy, Mexico, Canada, Australia, Brazil, South Africa, China and Japan.



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