



SUBMERSIBLE PUMPS

Pumps for construction,  
municipal and  
industrial applications.



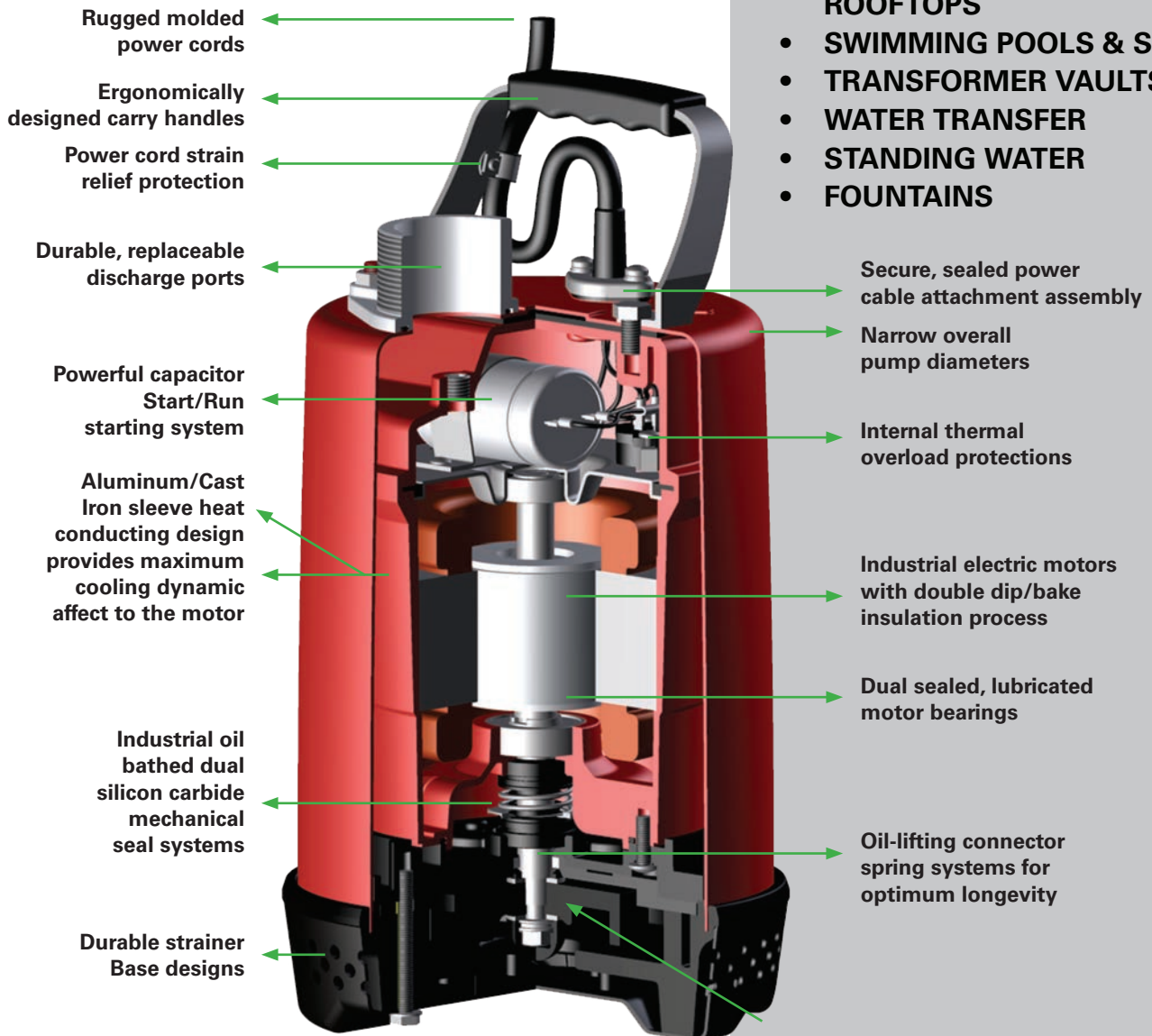
# CENTRIFUGAL SUBMERSIBLE PUMPS

## Multiquip Electric Centrifugal Submersible Pumps

have established themselves as trusted, hard working units that offer both exceptional performance and operational longevity.

Skilled manufacturing workmanship and industrial grade levels of component choices define all pump models.

Multiple pump types and sizes are available to tackle a diversity of watering/dewatering applications.



Model shown: ST2037

## Industrial designed pumps that support a wide variety of watering/dewatering applications:

- GENERAL CONSTRUCTION
- UNDERGROUND CONSTRUCTION
- EMERGENCY RESPONSE
- FLOODED ROOMS/ ROOFTOPS
- SWIMMING POOLS & SPAS
- TRANSFORMER VAULTS
- WATER TRANSFER
- STANDING WATER
- FOUNTAINS

Trusted abrasive resistant impellers





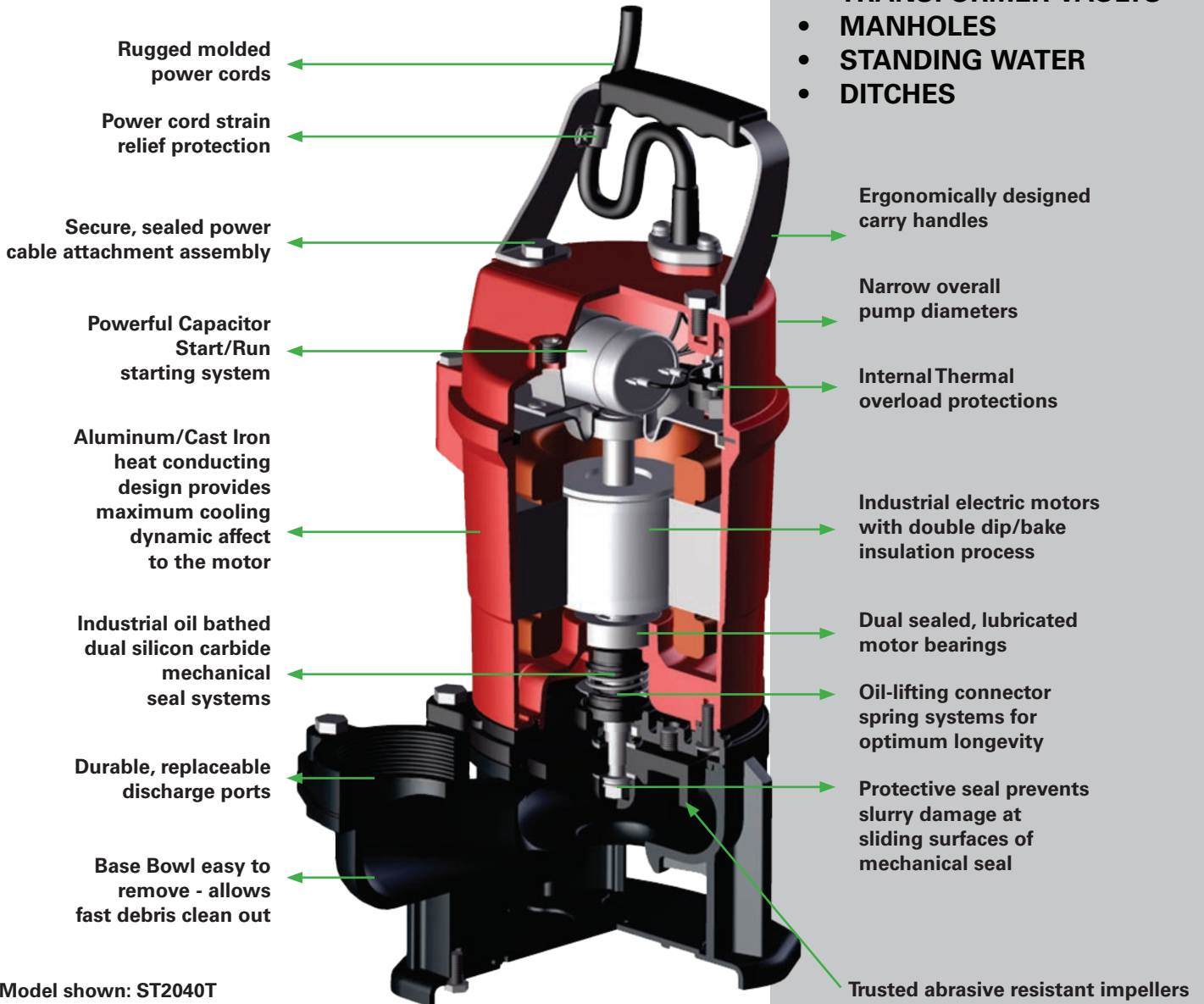
**Multiquip Electric Centrifugal Trash Submersible Pumps** are the professional's choice when the application calls for absolute operation dependability.

The professional craftsmanship and top quality components that define these pumps ensure repeatable performance when faced with high debris laden water.

Every model offers durable pump casing design, powerful high grade motors, easy-clean-out bowls, and optimum mechanical seal systems.

**Trash pumps designed to support a wide variety of solid handling applications:**

- GENERAL CONSTRUCTION
- UNDERGROUND PIPES
- EMERGENCY RESPONSE
- FLOODED ROOMS/ ROOFTOPS
- QUARRIES
- TRANSFORMER VAULTS
- MANHOLES
- STANDING WATER
- DITCHES



**CENTRIFUGAL TRASH SUBMERSIBLE PUMPS**



## Motor Protection

All models provide built-in thermal overload protection that shuts down the pump when operating temperature becomes too high, and automatically restarts once the motor cools and a proper temperature is met.



### ST1/ST1F

**3/4" GHT Discharge**  
**27 GPM - 23' HEAD**

Designed for value and performance, these trusted compact pumps provide rugged aluminum casings, powerful 1/4 HP motor, and easily support multiple watering/dewatering applications. **Model ST1F comes with an integrated float switch.**



### YELLSUB

**3/4" GHT and 1 1/4" NPT Discharge**  
**33 GPM - 15' HEAD**

The LITTLE SUB™ is lightweight, compact and is a great choice for light duty jobs found around the shop or home. One piece polymer pump casing resists corrosion and heat. Features internal overload protection, dual shaft seals, and UL/CUL listings.



### ST2038P

**2" NPT Discharge**  
**60 GPM - 38' HEAD**

Designed for hard industrial pumping applications. Unique strainer permits dewatering levels down to 1/16". Features oil-filled dual shaft seals, aluminum housing, streamline shape, powerful 115V motor, internal thermal protection, and UL/CUL certifications.



### ST2047

**2" NPT Discharge**  
**87 GPM - 47' HEAD**

This time tested pump is the contractors choice for tough demanding applications. The engineered design provides superior performance in a compact package. Trusted powerful 115V motor, low maintenance requirements, thermal protection, and UL/CUL certifications.

## Added Features

ST Series Single Phase Pumps carry Underwriters Laboratories (UL) listing for compliance for both U.S.A. and Canadian electrical codes. (exceptions: ST1 and ST1F)

### SS233

**2" NPT Discharge**  
**60 GPM - 20' HEAD**

This highly portable, lightweight pump is a great choice for flooded rooms, flat roofs, fill tanks, basins, fountains and waterfalls. Features include hardy thermoplastic casing, stainless steel fitting, internal overload protection, full oil lubricated shaft seals, and UL/CUL certifications.



### ST2037/ST2037F

**2" NPT Discharge**  
**73 GPM - 37' HEAD**

Popular, and versatile, the ST2037 is a low maintenance pump that is designed for long hard industrial pump applications. Features include oil-filled dual shaft seals, aluminum housing, streamline shape, powerful 115V motor, internal thermal protection, and provides UL/CUL certifications. **Model ST2037F comes with attached industrial float switch.**



### ST3020BCUL

**3" NPT Discharge**  
**170 GPM - 72' HEAD**

Slim design and proven performance, this 2HP 230V pump de-waters surfaces down to 1/2" and handles fluids up to 140° F. Features include double mechanical oil-filled seals, internal thermal protection, & sealed ball bearing assembly. The pump offers a ductile iron impeller, insulated aluminum casing, 50' power cable with strain relief, assembly, and provides a convenient carrying handle.



The pump model ST3020BCUL provides its own internal thermal overload protection, however, the 230V 1Ø **CB6 Control Box** is offered for convenient ON/OFF/AUTO and float switch operations. The CB6 comes standard with two SW1WOPA float switches.

## Why Choose a Trash Pump?

When applications call for moving heavy debris laden water, the proper choice is the Multiquip Submersible Trash Pump. The pumps are equipped with a 2" discharge port, and are internally engineered to easily handle debris and solids up to one inch in diameter. All models employ a vortex action design that discharges solids away from the unique multi-vane impeller to prevent clogging.



### ST2040T/ST2040TF 2" NPT Discharge 79 GPM - 40' HEAD

This rugged compact submersible trash pump is ideal for moving debris laden water (MAX solid size 1"). A heavy duty cast iron housing and abrasion resistant impeller withstands tough dewatering applications. The ST2040T features dual shaft seals, powerful 115V motor, internal thermal protection, 25' power cable with strain relief, convenient carry handle, and UL/CUL listings. Pumps fluids up to 140° F. **Model ST2040TF comes with attached industrial float switch.**

Easy Clean out  
Base Design

### ST2010TCUL 2" Discharge 95 GPM - 45' HEAD

Designed for heavy industrial applications, the ST2010TCUL provides exceptional performance moving debris laden water (MAX solid size 1"). An industrial grade cast iron housing and abrasion resistant impeller withstands very demanding dewatering applications. Key features include a powerful 115V electric motor, double mechanical oil filled shaft seals, sealed ball bearing impeller, powerful 115V motor, internal thermal protection, 50' power cable with strain relief, convenient and carrying handle. Also, this pump has UL/CUL listings, and handle fluids up to 140° F.



Easy Clean out  
Base Design



### PX400 2" NPT Discharge 72 GPM - 34' HEAD

The PX400 is a lightweight submersible trash pump in a compact package. It is ideal for moving debris laden water (MAX solid size 1"). An industrial grade cast iron housing and abrasion resistant impeller withstands tough dewatering applications. The corrosion resistant stainless steel casing allows this pump to tackle marine, and selected chemical applications. Major features include abrasion resistant impeller, dual shaft seals, powerful 115V motor, internal overload protection, 19' power cable with strain relief and convenient carry handle. Pumps fluids up to 140° F.

Easy Clean out  
Base Design



All MQ 115V 1Ø pumps are designed with internal thermal overload protection and do not require extra electrical protection, however, the **CB3 control box** is offered for convenient ON/OFF/AUTO and float switch operations. The CB3 comes with two SW1WOPA Float switches.





## Multiquip's Powerful 3-Phase Pumps

When three phase power is available, Multiquip provides three pump models that tackle a variety of industrial dewatering applications. These powerful submersibles are available in 3", 4" and 6" discharge sizes, and are available in either 230V or 460V models depending on power source.



### **ST3050D** 3" NPT Discharge 270 GPM - 86' HEAD

The ST3050D is ideal for supporting tough utility and municipal jobs. The flexible dual voltage 230/460 5HP motor ensures optimum flow and head performance. The pump incorporates an industrial cast iron housing, dual shaft seals, sealed ball bearing impeller, carrying handle and molded 50' power cable w/ strain relief. The pump handles fluid up to 140° F.

*A Control Box is required to provide overload safety shut downs that are thermal & voltage related, and to assist in powering float switches. MQ offers the control box CB200 to support the ST3050D.*



### **ST41230 / ST41460** 4" NPT Discharge 423 GPM - 138' HEAD

Powerful, compact and offering top performance output, the ST41 Series features: heat-treated stainless steel 410 shaft, double mechanical seals, oil free motor, thermal/over current motor protection, dynamically balanced high chrome impeller, and corrosion resistant stainless steel outer casing. Passes solids up to 1/2", has a carrying handle and comes with a molded 33' power cable w/ strain relief. The pump handles fluid up to 140° F. There are two 4" discharge models available: 230V 3Ø or 460V 3Ø.

*A Control Box is required to provide safe ON/OFF functioning, overload safety shut downs that are thermal & voltage related, and proper conduits to assist in powering float switches. MQ offers the CB126974 control box to support the ST41230 and the CB145663 to support the ST41460.*

### **ST61230 / ST61460** 6" NPT Discharge 674 GPM - 105' HEAD






The ST61 Series provides exceptional flow output, durability, in an overall compact package. High performance and operating value is achieved through an oil free motor, thermal/over current motor protection, dynamically balanced high chrome impeller, heat-treated stainless steel 410 shaft, double mechanical seals, and rigid corrosion resistant stainless steel outer casing and strainer. Passes solids up to 1/2", lifting eyelets and comes with a molded 33' power cable w/ strain relief. The pump handles fluid up to 140° F. Depending on your electrical source, there are two 6" discharge model pumps: 230V 3Ø or 460V 3Ø.






*A control box is required to provide safe ON/OFF functioning, overload safety shut downs that are thermal & voltage related, and proper conduits to assist in powering float switches. MQ offers the CB126974 control box to support the ST61230 and CB145663 Control Box to support the ST61460*





## Control Boxes

Model		Description
	CB3	Control box for 115V Pumps - Water resistant fiberglass housing and cable connectors prevent moisture from entering into box - (2) SW1WPOA float switches attached. Features operation switch and running light. Specs FLA (Amps): 120V 1Ø 40A. <b>For pump models: YELLSUB, SS233, ST2037, ST2038P, ST2047, ST2040T, PX400 &amp; ST2010TCUL.</b>
	CB6	Control box for 230V Pumps - Water resistant fiberglass housing and cable connectors prevent moisture from entering into box. Features operation AUTO switch. Specs FLA (Amps): 230V 1Ø 12A. Includes (2) SW1WOPA Single float switches <b>For pump model: ST3020BCUL.</b>
	CB200	Control box. Magnetic starter, watertight housing and cable connectors prevent moisture from entering into box - additional cable glands support float switches. Features ON/OFF switch and running light. Electric overload helps prevent short circuits, and power spikes. Specs: 230V 3Ø 14.2A, 460V 3Ø 7.1A <b>For model: ST3050D</b>
	CB126974	Control box for model ST41230 (230V 3Ø). Magnetic starter, electronic overload protection, power spike control, and short circuit protection. Watertight outer housing and cable glands that support float switches. ON/OFF switch with running lights. Three K69 heater elements included. <b>For model: ST41230.</b>
	CB126974	Control Box for model ST61230 (230V 3Ø). Magnetic starter, electronic overload protection, power spike control, and short circuit protection. Watertight outer housing and cable glands that support float switches. ON/OFF switch with running lights. Three K74 heater elements included. <b>For model: ST61230.</b>
	CB145663	Control box for model ST41460 (460V 3Ø). Magnetic starter, electronic overload protection, power spike control, and short circuit protection. Watertight outer housing and cable glands that support float switches. ON/OFF switch with running lights. <b>For model: ST41460.</b>
	CB145663	Control Box for model ST61460 (460V 3Ø). Magnetic starter, electronic overload protection, power spike control, and short circuit protection. Watertight outer housing and cable glands that support float switches. ON/OFF switch with running lights. <b>For model: ST61460.</b>

## Float Switches

Model		Description
	SW1A	Mechanical single float switch, 120V. Provides NEMA 5-15 Plug and piggy-back receptacle end. Corrosion resistant PVC Housing for use in sewage/water up to 140° F. UL/CUL listed. Heavy-duty contacts. Adjustable range 7" to 36". 16 gauge cord. Pressure tested to 60'. 14 Gauge - 20' cord.
	SW1WOPA	Mechanical single float switch, 120V. Open wire end. Corrosion resistant PVC Housing for use in sewage/water up to 140° F. UL/CUL listed. Heavy-duty contacts. Adjustable range 7" to 36". 16 gauge cord. Pressure tested to 60'. 14 Gauge - 20' cord. For control box applications only.
	SW2A	Double mechanical float switch, 120V. Provides holding relay to permit floats to work in series, and eliminates pump chatter in turbulent applications. UL/CUL listed. Adjustable pumping ranges 3" to 48". With NEMA 5-15 plug and piggy-back receptacle. Float housings made from rugged polypropylene with 14 Gauge 20' cords.

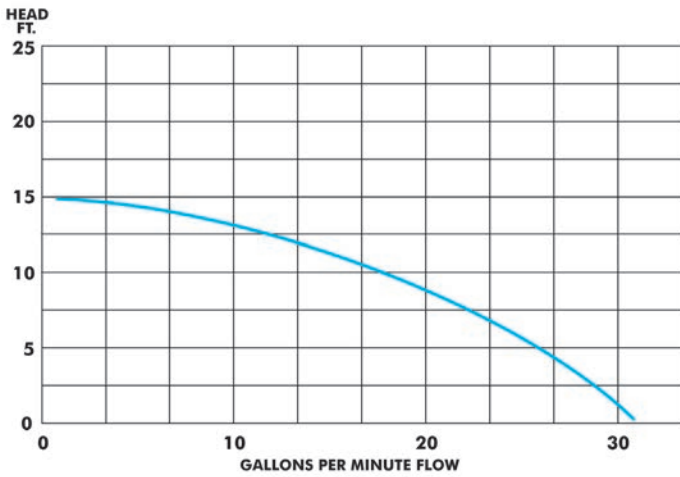
## Discharge Hose

NPT THREAD		
	HD1550	Discharge Hose, 50 feet - 1½" - 75psi
	HD250	Discharge Hose, 50 feet - 2" - 75psi
	HD350	Discharge Hose, 50 feet - 3" - 60psi
	HD450	Discharge Hose, 50 feet - 4" - 60psi
	HD650	Discharge Hose, 50 feet - 6" - 45psi
QD COUPLER		
	HDO1550	Discharge Hose, 50 feet - 1½" Quick Coupler - 75psi
	HDO250	Discharge Hose, 50 feet - 2" Quick Coupler - 75psi
	HDO350	Discharge Hose, 50 feet - 3" Quick Coupler - 60psi
	HDO450	Discharge Hose, 50 feet - 4" Quick Coupler - 60psi
	HDO650	Discharge Hose, 50 feet - 6" Quick Coupler - 45psi

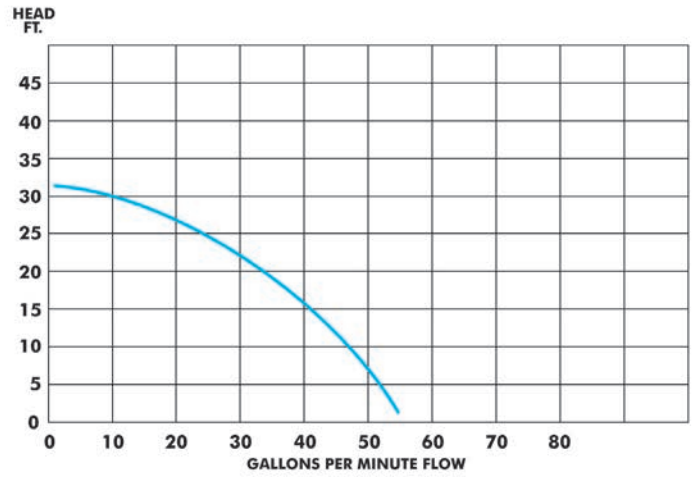


# PUMP PERFORMANCE CURVES

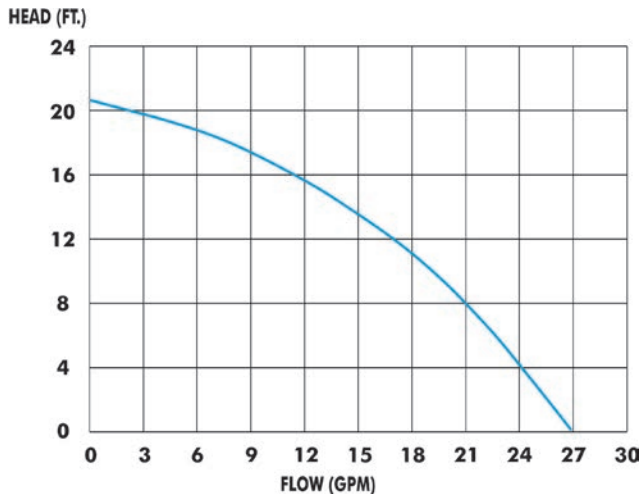
**YELLSUB**  
**Performance Curve**  
**1 1/4" - 3/4" Discharge**



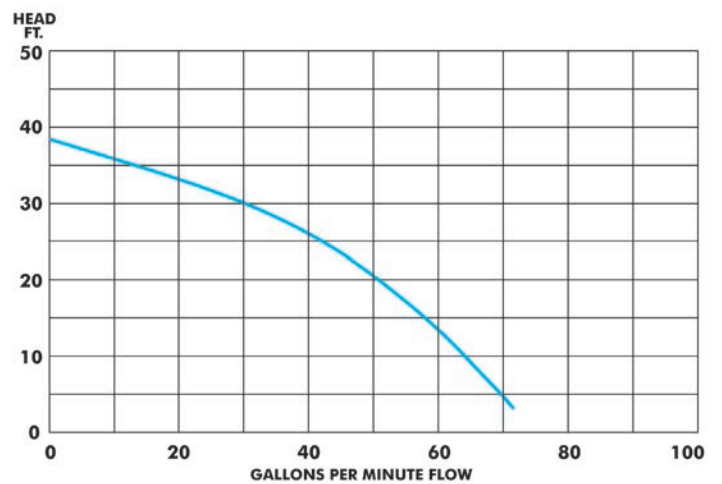
**SS233**  
**Performance Curve**  
**2" Discharge**



**ST1/ST1F**  
**Performance Curve**  
**3/4" Discharge**

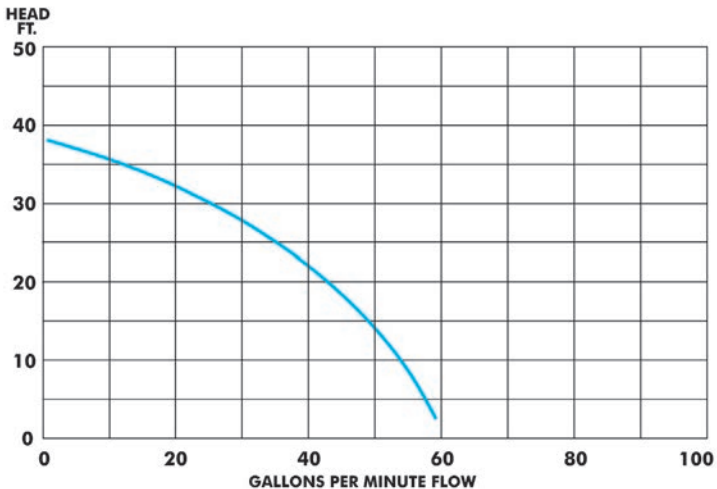


**ST2037/ST2037F**  
**Performance Curve**  
**2" Discharge**

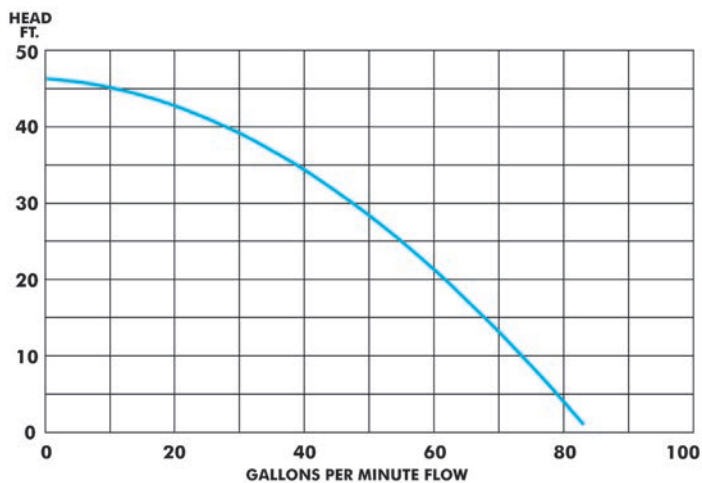




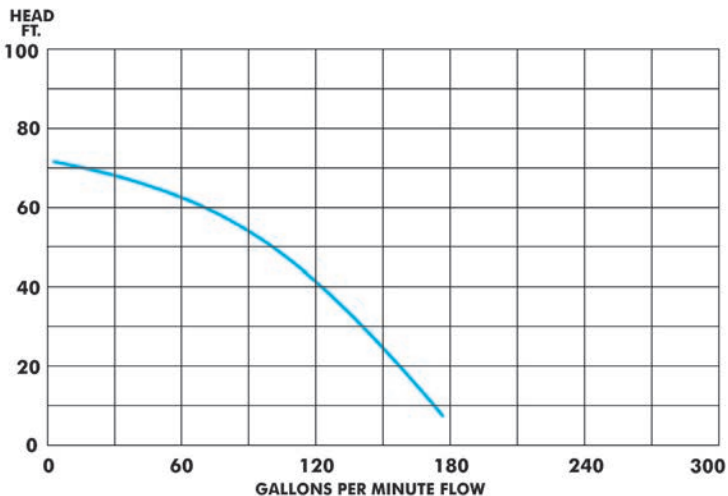
**ST2038P**  
**Performance Curve**  
**2" Discharge**



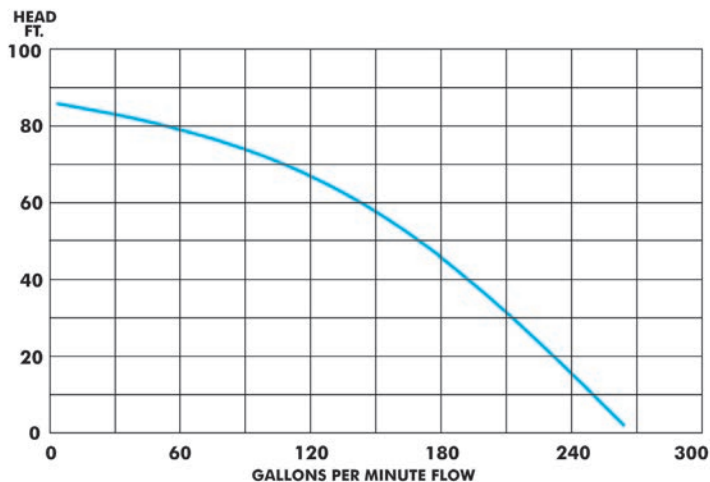
**ST2047**  
**Performance Curve**  
**2" Discharge**



**ST3020BCUL**  
**Performance Curve**  
**3" Discharge**

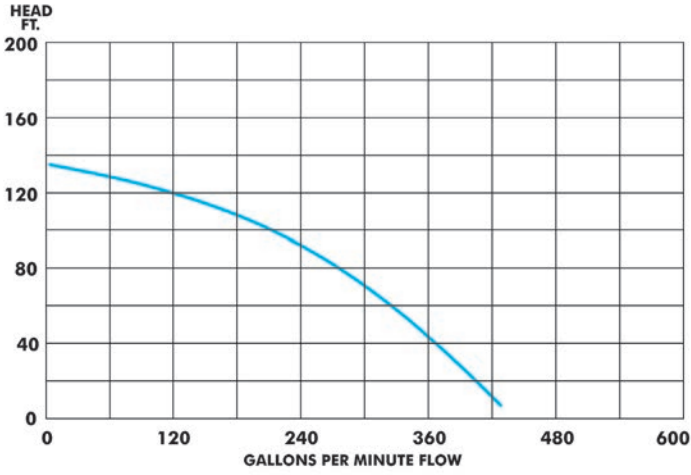


**ST3050D**  
**Performance Curve**  
**3" Discharge**

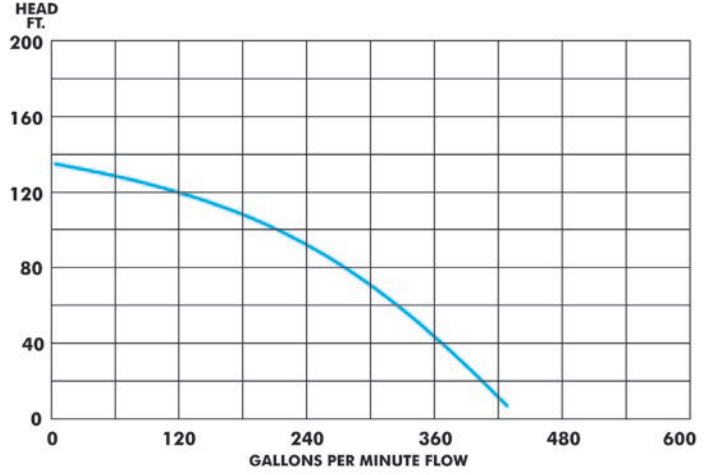


**PUMP PERFORMANCE CURVES**

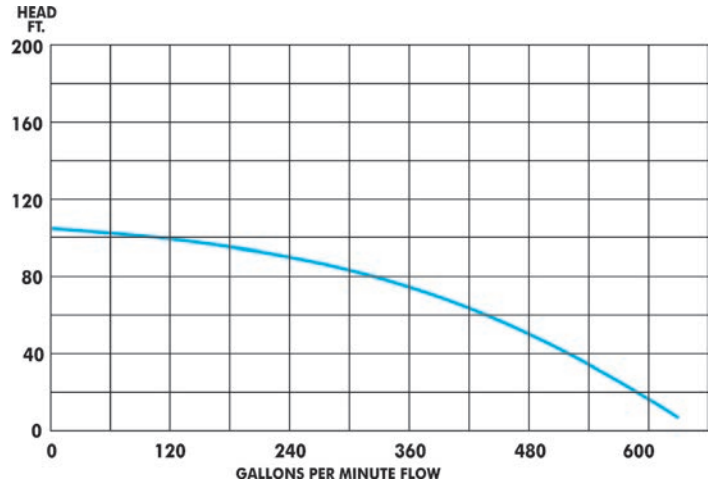
**ST41230  
Performance Curve  
4" Discharge**



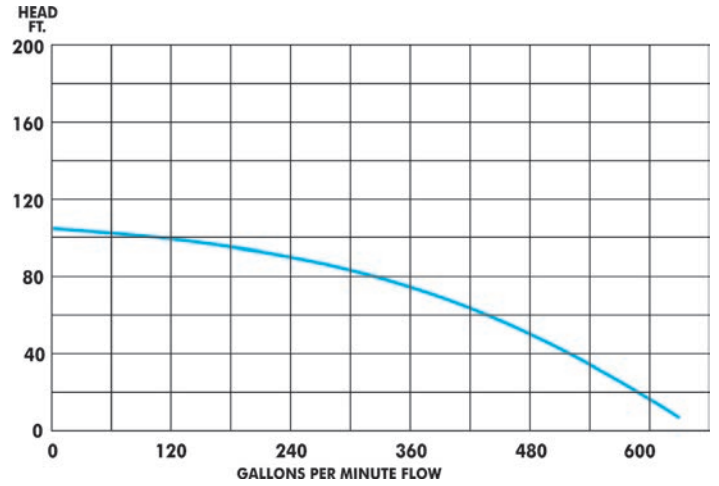
**ST41460  
Performance Curve  
4" Discharge**



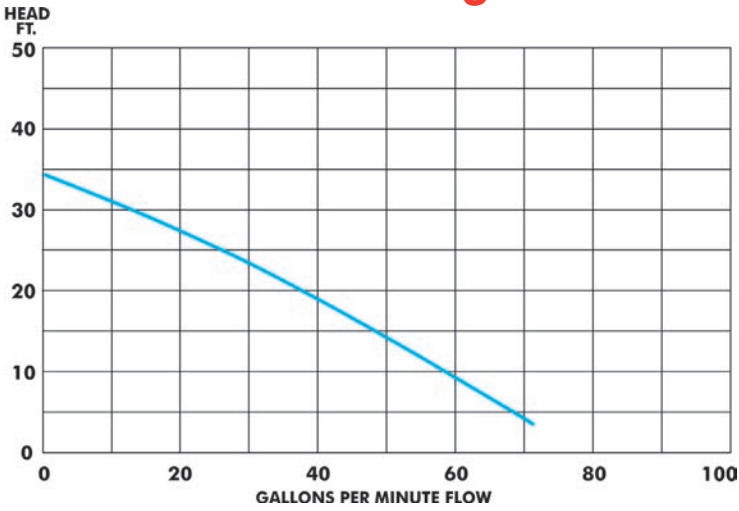
**ST61230  
Performance Curve  
6" Discharge**



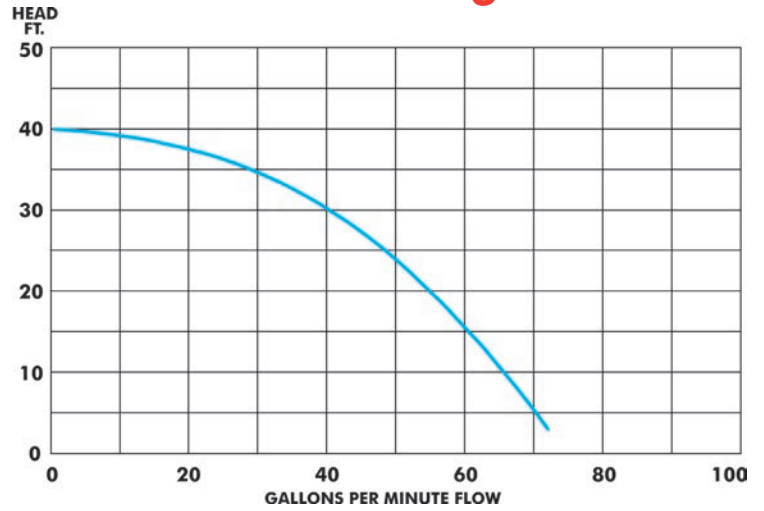
**ST61460  
Performance Curve  
6" Discharge**



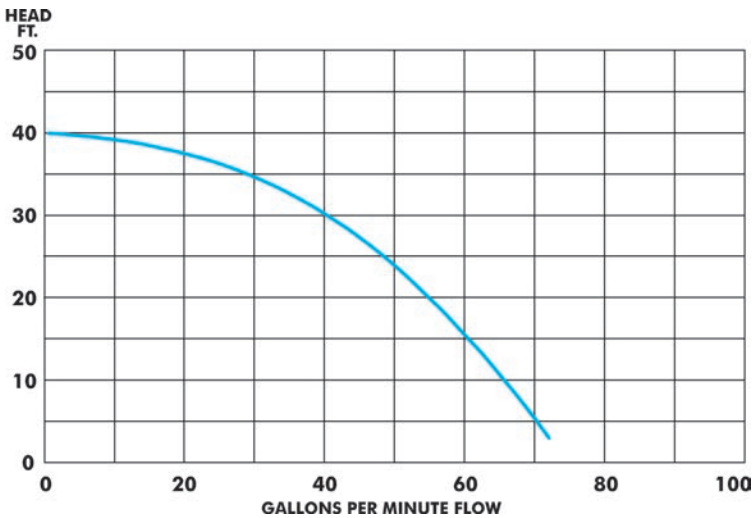
**PX400**  
**Performance Curve**  
**2" Discharge**



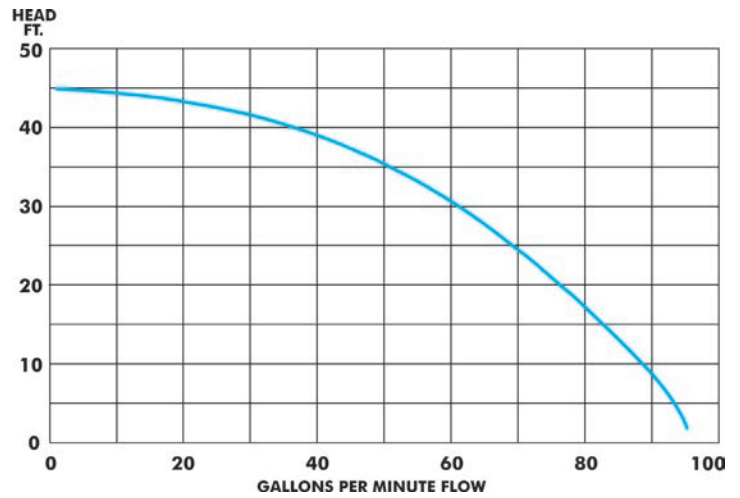
**ST2040T**  
**Performance Curve**  
**2" Discharge**



**ST2040TF**  
**Performance Curve**  
**2" Discharge**



**ST2010TCUL**  
**Performance Curve**  
**2" Discharge**





# Specifications

Model	Impeller	Disc. Size in. (mm)	Max. Solids in. (mm)	Total Head ft. (m)	Capacity GPM (lpm)	HP (kw)‡	Voltage; Phase	Starting Amp.	Running Amp.	Cable Length ft. (m)	Diameter in. (mm)	Height in. (mm)	Weight lb (kg)
<b>CENTRIFUGAL</b>													
YELLSUB*	Heavy Polymer	1¼ (31.7)	0.4	15 (4.6)	33 (125)	0.25 (.185)	115V 1Ø	10	2.5	9 (2.7)	6.25 (159)	9.5 (241)	6 (2.72)
SS233*	Heavy Polymer	2 (50)	0.4	32 (9.6)	55 (204)	0.5 (0.37)	115V 1Ø	18	6	9 (2.7)	8.1 (206)	14.5 (368)	16.5 (7.4)
ST1	Heavy Polymer	¾ (19)	0.2	23 (7)	27 (100)	¼ (18.7)	115V 1Ø	6	2.8	10 (3)	6.3 (160)	11 (279)	8.8 (4)
ST1F	Heavy Polymer	¾ (19)	0.2	23 (7)	27 (100)	¼ (18.7)	115V 1Ø	6	2.8	10 (3)	12 (305)	11 (279)	8.8 (4)
ST2038P*	Neoprene Rubber over Cast Iron	2 (50)	0.4	38 (11.5)	60 (227)	1 (0.75)	115V 1Ø	25	8	25 (7.6)	7.7 (196)	15.4 (391)	31 (14)
ST2037* ST2037F*	Neoprene Rubber over Cast Iron	2 (50)	0.4	37 (11.3)	73 (276)	1 (0.75)	115V 1Ø	25	6.9	25 (7.6)	7.4 (188)	15.4 (391)	31 (14)
ST2047*	Neoprene Rubber over Cast Iron	2 (50)	0.4	47 (14.3)	87 (329)	1 (0.75)	115V 1Ø	30	9.8	50 (15.2)	7.4 (188)	15.4 (391)	33 (15)
ST3020BCUL*	Cast Ductile Iron	3 (75)	0.4	72 (22)	170 (644)	2 (1.5)	230V 1Ø	33	10.5	50 (15.2)	6.7 (170)	28.5 (720)	67 (30)
ST3050D**	Cast Ductile Iron	3 (75)	0.4	86 (26)	264 (999)	5 (3.75)	230/460V 3Ø	44 (230V) 22 (460V)	14.2 (230V) 7.1 (460V)	50 (15.2)	10.2 (259)	26.8 (680)	120 (54)
ST41230	Chrome Steel	4 (100)	.6" (15)	138 (42)	423 (1600)	10 (7.5)	230 3Ø	87	28.6	33 (10)	12.5 (317)	32 (807)	205 (93)
ST41460	Chrome Steel	4 (100)	.6" (15)	138 (42)	423 (1600)	10 (7.5)	460 3Ø	45	14.3	33 (10)	12.5 (317)	32 (807)	205 (93)
ST61230	Chrome Steel	6 (150)	.6" (15)	105 (32.5)	674 (2450)	15 (11.0)	230 3Ø	130	43	33 (10)	14 (352)	34 (855)	301 (137)
ST61460	Chrome Steel	6 (150)	.6" (15)	105 (32.5)	674 (2450)	15 (11.0)	460 3Ø	68	21.5	33 (10)	14 (352)	34 (855)	301 (137)
<b>TRASH PUMPS</b>													
PX400	Urethane Resin	2 (50)	1 (25)	34 (10.3)	72 (273)	0.5 (0.37)	115V 1Ø	21	6.2	19 (5.6)	10 (254)	17 (430)	25 (11)
ST2040T*	Neoprene Rubber over Cast Iron	2 (50)	1 (25)	40 (12.2)	79 (299)	1 (0.75)	115V 1Ø	25	6.8	25 (7.6)	10.3 (267)	16.8 (427)	34 (15.4)
ST2040TF*	Neoprene Rubber over Cast Iron	2 (50)	1 (25)	40 (12.2)	79 (299)	1 (0.75)	115V 1Ø	25	6.8	25 (7.6)	10.3 (267)	16.8 (427)	34 (15.4)
ST2010TCUL*	Cast Ductile Iron	2 (50)	1 (25)	45 (13.7)	95 (360)	1 (0.75)	115V 1Ø	30	9.4	50 (15.2)	10.3 (267)	24.5 (622)	77 (35)

**Note: All Multiquip 3-phase submersible pumps require a control box to provide it with all of the operation safety shut-downs and to use with float switches (if required).** If these pumps are ordered to replace a unit in an existing application where a control box is already installed then the existing control box may be sufficient. If the pump is part of a new application where a control box is not already present then a control box needs to be ordered with the 3-phase submersible pump. A control box is needed specifically to provide the 3-phase submersible pump with the voltage overload and thermal overload shutdowns, as well as a connection point for the use of float switches.

\* Complies with UL and Canadian Electrical Standards.

\*\* Ships with motor factory set to 230 volts.

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