



# K-Series Stainless Steel Products

Submersible and End-Suction Centrifugal Pumps



Product Quality, Reliability and Support You Expect

[www.catpumps.com](http://www.catpumps.com)

# More Solutions for your Pumping Needs

The K-Series pumps compliment our triplex high pressure positive displacement pump line. These pumps offer solutions to many high flow, low pressure industrial pumping needs whether it's the pumping of fresh water, semi-dirty water or liquids with some suspended solids.

The K-series submersible and end-suction centrifugal pumps are built of stainless steel for long lasting performance and exceptional value. These high quality components offer a stronger, lighter weight and more durable pump than the conventional cast iron pumps at a very competitive price.

A special technology has been developed to pressure bulge form the stainless steel components for these pumps. The result of this new process is superior quality, greater strength, increased efficiencies, lighter weight, continuous-duty performance and exceptional value. These pumps will definitely outperform anything in its class.

There are over 100 models to choose from including options for manual or automatic; single or three phase; TEFC or open-drip. The centrifugal pumps are available with optional chemical resistant or high temperature seals and flanged or standard NPT fittings. Both pump kits or motorized units are available.

## Thousands of Applications

### Stainless Steel Submersible Pumps

- Drainage of excavated areas
- Car wash drainage pits
- Water from basements
- Pool draining
- Septic tank draining
- Transfer of waste water or effluent solutions to sewage and treatment systems
- Emptying vessels and above or underground storage tanks
- Marine bilge pumping
- Ink transfer systems
- Farm irrigation water
- Waste water treatment systems
- Circulating liquids throughout plants
- Pharmaceutical products
- Ag chemicals

### Stainless Steel End-suction Centrifugal Pumps

- Booster Pumps
- Fire protection systems
- Washing systems
- Spraying systems
- Beverage processing
- High temp liquids and mild chemical transfer

See our complete line of high pressure, positive displacement, reciprocating pumps at [www.catpumps.com](http://www.catpumps.com).

## 1K Series – Submersible Sump Pumps

Stainless steel submersible sump pumps offer solutions to pumping semi-dirty water or fresh water with suspended solids up to 3/8".

<b>Flow Range</b>	Up to 88 GPM
<b>Pressure Range (up to 24 PSI)</b>	55 ft. Head
<b>RPM</b>	3450 RPM
<b>Discharge Fitting</b>	1-1/4, 1-1/2" NPT
<b>Horsepower</b>	1/3, 1/2, 3/4, 1, 1-1/2 HP
<b>Operation</b>	Manual or Auto
<b>Maximum Temperature</b>	Continuous 122°F Intermittent 140°F
<b>Maximum Solids Diameter</b>	3/8"



## 2K Series – Submersible Pumps

Stainless steel submersible pumps offer reliable pumping of freshwater or industrial waste water with suspended solids up to 2".

<b>Flow Range</b>	Up to 180 GPM
<b>Pressure Range (up to 19.5 PSI)</b>	46 ft. Head
<b>RPM</b>	3450 RPM
<b>Discharge Fitting</b>	2" NPT
<b>Horsepower</b>	1/2, 1, 1-1/2, 2 HP
<b>Operation</b>	Manual or Auto
<b>Maximum Temperature</b>	Continuous 104°F Intermittent 140°F
<b>Maximum Solids Diameter</b>	2"



## 3K Series – End-Suction Centrifugal Pumps, Single and Two-Stage

Stainless steel end-suction centrifugal pumps offer dependable performance and flexibility in moving high volume liquids at low pressure. Single stage sold as either Pump Kit or Motorized Unit. Two stage sold as Motorized Unit only.

<b>Flow Range</b>	Up to 90 GPM
<b>Pressure Range (up to 106 PSI)</b>	245 ft. Head
<b>Minimum Inlet Pressure to Prime</b>	Flooded
<b>RPM</b>	1725 or 3450 RPM
<b>Inlet Fitting</b>	1-1/4, 1-1/2" NPT
<b>Discharge Fitting</b>	1" NPT
<b>Shaft Seal</b>	Mech Type 21
<b>Maximum Temperature</b>	
<b>Single Stage</b>	1/3, 1/2, 3/4, 1, 1-1/2, 2, 3 HP
<b>Two Stage</b>	2, 3, 5 HP
<b>Maximum Temperature</b>	Single Stage 160°F Two Stage 140°F



(Single Stage Shown)

## 4K Series – Centrifugal Pumps

Sold as Pump Kit or Motorized Unit.

<b>Flow Range</b>	Up to 380 GPM
<b>Pressure Range (up to 124 PSI)</b>	285 ft. Head
<b>Minimum Inlet Pressure to Prime</b>	Flooded
<b>RPM</b>	1725 or 3450 RPM
<b>Inlet Fitting Flange</b>	ANSI 150
<b>Discharge Fitting Flange</b>	ANSI 150
<b>Shaft Seal</b>	Mech Type 21
<b>Horsepower</b>	1, 1-1/2, 2, 3, 5, 7-1/2, 10, 15 HP
<b>Maximum Temperature</b>	160°F



## 5K Series – Self Priming Centrifugal Pumps

Sold as Pump Kit or Motorized Unit.

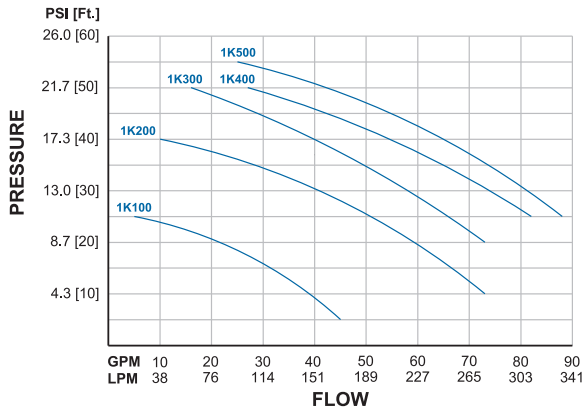
<b>Flow Range</b>	Up to 18.5 GPM
<b>Pressure Range (up to 82 PSI)</b>	190 ft. Head
<b>RPM</b>	3450 RPM
<b>Inlet Fitting</b>	1-1/4" NPT
<b>Discharge Fitting</b>	1" NPT
<b>Shaft Seal</b>	Mech Type 21
<b>Horsepower</b>	1, 2 HP
<b>Maximum Temperature</b>	113°F



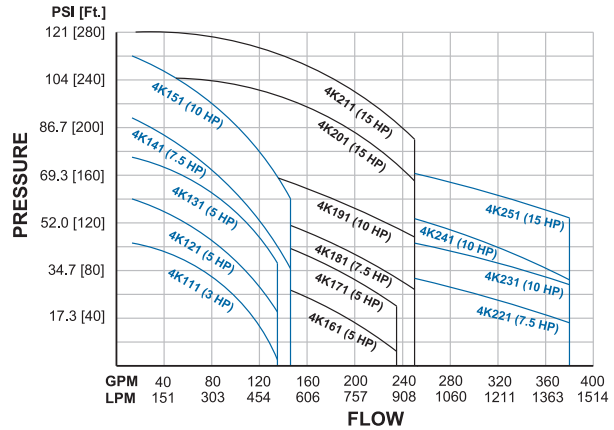
# Performance Ranges

Performances at 1.0 SG. Additional horsepower required with higher SSU and SG.

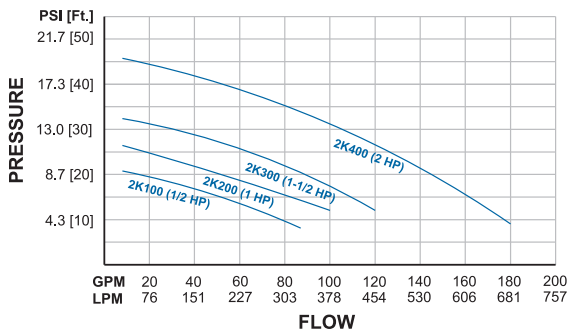
## 1K Series Sump Pumps



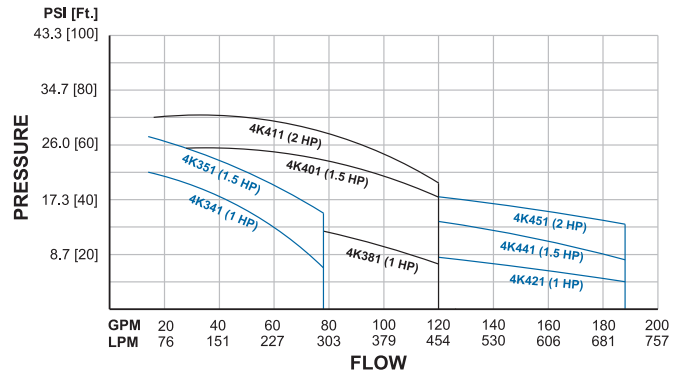
## 4K Series End Suction Pumps - 3450 RPM



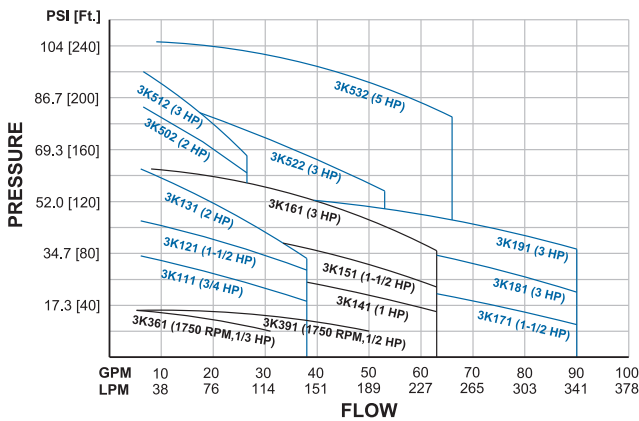
## 2K Series Submersible Pumps



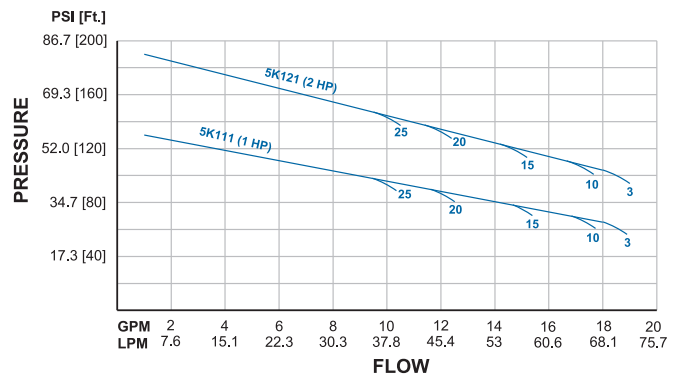
## 4K Series End Suction Pumps - 1725 RPM



## 3K Series End Suction Pumps



## 5K Series Self Priming Pumps



### CAT PUMPS

1681 - 94TH LANE N.E. MINNEAPOLIS, MN 55449-4324  
 PHONE (763) 780-5440 — FAX (763) 780-2958  
 e-mail: techsupport@catpumps.com  
 www.catpumps.com