








Canada Pumps & Mixers Production Program





Amarex N		Submersible Non-Clog Pump										
	<table border="1"> <tr> <td>Discharge Size:</td> <td>up to 4"</td> </tr> <tr> <td>Q (gpm):</td> <td>up to 660</td> </tr> <tr> <td>H (ft):</td> <td>up to 154</td> </tr> <tr> <td>T (°F):</td> <td>up to 140</td> </tr> <tr> <td>RPM:</td> <td>up to 3,600</td> </tr> </table>	Discharge Size:	up to 4"	Q (gpm):	up to 660	H (ft):	up to 154	T (°F):	up to 140	RPM:	up to 3,600	<p>Design: Vertical, single stage submersible motor pump, for wet installation, stationary and transportable design. Amarex N pumps are submersible, single-stage, single-entry close-coupled units which are not self-priming</p> <p>Application: Handling municipal and industrial wastewater, raw, activated, and digested sludge, dewatering/water extraction, drainage of rooms and surfaces subject to flooding.</p>
	Discharge Size:	up to 4"										
	Q (gpm):	up to 660										
	H (ft):	up to 154										
	T (°F):	up to 140										
RPM:	up to 3,600											
KRT - Wet Well		Submersible Non-Clog Pump										
	<table border="1"> <tr> <td>Discharge Size:</td> <td>2" - 30"</td> </tr> <tr> <td>Q (gpm):</td> <td>up to 45,000</td> </tr> <tr> <td>H (ft):</td> <td>up to 330</td> </tr> <tr> <td>T (°F):</td> <td>up to 140</td> </tr> <tr> <td>P (hp):</td> <td>up to 1,080</td> </tr> </table>	Discharge Size:	2" - 30"	Q (gpm):	up to 45,000	H (ft):	up to 330	T (°F):	up to 140	P (hp):	up to 1,080	<p>Design: Vertical, single-stage wet well submersible motor pump with a choice of impellers such as vortex, single vane, multi-vane, open single vane (screw) or grinder. Available in stationary and portable designs. Materials of construction include cast iron, duplex stainless steel and high chrome white iron.</p> <p>Application: Handling municipal and industrial waste water, sludge and grit.</p>
	Discharge Size:	2" - 30"										
	Q (gpm):	up to 45,000										
	H (ft):	up to 330										
	T (°F):	up to 140										
P (hp):	up to 1,080											
KRT - Dry Well		Submersible Non-Clog Pump										
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	Discharge Size:	4" - 30"										
	Q (gpm):	up to 45,000										
	H (ft):	up to 330										
	T (°F):	up to 140										
P (hp):	up to 1,080											
KRT Wet Well/Dry Well		Submersible Non-Clog Pump										
	<table border="1"> <tr> <td>Discharge Size:</td> <td>1 1/2" - 8"</td> </tr> <tr> <td>Q (gpm):</td> <td>up to 2,500</td> </tr> <tr> <td>RPM (max):</td> <td>up to 1,750</td> </tr> <tr> <td>T (°F):</td> <td>up to 104</td> </tr> <tr> <td>P (hp):</td> <td>up to 10</td> </tr> </table>	Discharge Size:	1 1/2" - 8"	Q (gpm):	up to 2,500	RPM (max):	up to 1,750	T (°F):	up to 104	P (hp):	up to 10	<p>Design: Horizontal or vertical single-stage submersible motor pump in close-coupled design, with various impeller types, for wet or dry installation, stationary and transportable version, with energy-saving motor.</p> <p>Application: Handling municipal and industrial waste water, raw, activated, and digested sludge.</p>
	Discharge Size:	1 1/2" - 8"										
	Q (gpm):	up to 2,500										
	RPM (max):	up to 1,750										
	T (°F):	up to 104										
P (hp):	up to 10											
Sewatec		Non-Clog Sewage Pump										
	<table border="1"> <tr> <td>Discharge Size:</td> <td>2" - 20"</td> </tr> <tr> <td>Q (gpm):</td> <td>up to 15,000</td> </tr> <tr> <td>H (ft):</td> <td>up to 320</td> </tr> <tr> <td>T (°F):</td> <td>up to 158</td> </tr> <tr> <td>PSI (max):</td> <td>up to 145</td> </tr> </table>	Discharge Size:	2" - 20"	Q (gpm):	up to 15,000	H (ft):	up to 320	T (°F):	up to 158	PSI (max):	up to 145	<p>Design: Horizontal or vertical dry well and conventional sewage pump with a choice of impellers such as vortex, single vane, multi-vane or open single vane (screw). Available with tandem mechanical seal arrangement, eliminating the need for a seal water system or external water source to the stuffing box.</p> <p>Application: Handling municipal and industrial waste water, sludge and grit.</p>
	Discharge Size:	2" - 20"										
	Q (gpm):	up to 15,000										
	H (ft):	up to 320										
	T (°F):	up to 158										
PSI (max):	up to 145											



SPY		Non-Clog Sewage Pump
	Discharge Size:	14" - 48"
	Q (gpm):	up to 90,000
	H (ft):	up to 165
	T (°F):	up to 220
	PSI (max):	up to 145
		<p>Design: A dry pit installed sewage pump. The dimensioned shaft and bearings make for smooth operation and consequent low loading of the entire pump. Vertical installation is also available.</p> <p>Application: Handling municipal and industrial waste water.</p>

Amacan K		Submersible Non-Clog Impeller Pump
	Discharge Size:	28" - 56"
	Q (gpm):	up to 22,000
	H (ft):	up to 80
	T (°F):	up to 104
	P (hp):	up to 350
		<p>Design: A submersible pump in a tubular casing design. It comes equipped with a closed, non-clog impeller.</p> <p>Application: handling water, screened waste water and activated sludge. It is used for drainage and general water supply as well as for pollution and flood control.</p>

Amacan S		Submersible Mixed Flow Pump
	Discharge Size:	26" - 52"
	Q (gpm):	up to 50,000
	H (ft):	up to 132
	T (°F):	up to 104
	P (hp):	up to 570
		<p>Design: A submersible pump in a tubular casing design. It comes equipped with a mixed flow propeller.</p> <p>Application: Handling water not containing substance liable to twist and bunch. Its usage is for irrigation and drainage pumping, for general water supply as well as for pollution and flood control.</p>

Amacan P		Submersible Propeller Pump
	Discharge Size:	20" - 48"
	Q (gpm):	*up to 70,000
	H (ft):	up to 40
	T (°F):	up to 104
	P (hp):	up to 550
		<p>Design: A submersible pump in a tubular casing design. It comes equipped with an axial flow propeller.</p> <p>Application: Used in irrigation, storm drainage, untreated and clear water, effluent, treatment plants, as a cooling water pump in power stations and industrial processes for industrial water supply, amusement rides, flood control and aquaculture.</p> <p>* Larger size up to 150,000 gpm available upon request</p>

Omega		Axially Split Volute Casing Pump
	Discharge Size:	3" - 14"
	Q (gpm):	up to 12,328
	H (ft):	up to 558
	T (°F):	up to 221
	PSI (max):	up to 363
		<p>Design: A axially split volute casing pump equipped with a large impeller eye area. Also available in vertical configuration.</p> <p>Application: Water supply systems, irrigation and drainage, municipal and public works, power engineering, industrial water supply, air conditioning, marine applications as well as general applications in refineries.</p>

RDLO/RDL		Axially Split Volute Casing Pump										
	<table border="1"> <tr> <td>Discharge Size:</td> <td>14" - 28"</td> </tr> <tr> <td>Q (gpm):</td> <td>up to 50,000</td> </tr> <tr> <td>H (ft):</td> <td>up to 800</td> </tr> <tr> <td>T (°F):</td> <td>up to 220</td> </tr> <tr> <td>PSI (max):</td> <td>up to 360</td> </tr> </table>	Discharge Size:	14" - 28"	Q (gpm):	up to 50,000	H (ft):	up to 800	T (°F):	up to 220	PSI (max):	up to 360	<p>Design: A single stage, double suction, axially split pump. Also available in vertical configuration.</p> <p>Application: Handling clear, untreated and service water as well as sea water. It is used for a wide range of applications such as waterworks, irrigation and drainage pumping stations, power plants, shipbuilding, offshore production and petro-chemical applications.</p>
Discharge Size:	14" - 28"											
Q (gpm):	up to 50,000											
H (ft):	up to 800											
T (°F):	up to 220											
PSI (max):	up to 360											
Multitec		Auxiliary Pump										
	<table border="1"> <tr> <td>Q (gpm):</td> <td>up to 3,740</td> </tr> <tr> <td>H (ft):</td> <td>up to 2,060</td> </tr> <tr> <td>T (°F):</td> <td>up to 392</td> </tr> <tr> <td>RPM:</td> <td>up to 3,600</td> </tr> <tr> <td>PSI (max):</td> <td>up to 910</td> </tr> </table>	Q (gpm):	up to 3,740	H (ft):	up to 2,060	T (°F):	up to 392	RPM:	up to 3,600	PSI (max):	up to 910	<p>Design: Multistage horizontal centrifugal pump in ring-section design, long-coupled and close-coupled variant, with axial or radial suction nozzle, cast radial impellers.</p> <p>Application: Water and drinking water supply systems, general industry, pressure boosting systems, irrigation systems, in power stations, heating, filter, fire-fighting, reverse osmosis and washing plants, snow guns, etc.</p>
Q (gpm):	up to 3,740											
H (ft):	up to 2,060											
T (°F):	up to 392											
RPM:	up to 3,600											
PSI (max):	up to 910											

KSB's Impeller Family

Since no one type of impeller is equally suitable for all applications, KSB provides various types of impellers to meet specific requirements. Our range includes vortex, closed non-clogging single, two or three vanes, open-single vane (screw), grinder, axial propeller and mixed flow impellers which allow us to select the best impeller for the pumped liquid to satisfy operating parameters such as flow rate, head, efficiency, solid size passage, wear resistance and gas content.

K-type

The closed multi-vane impeller for solids-laden and muddy fluids offers the highest efficiency for waste water and a free passage of up to 7.5 in.

F-type

The free-flow impeller allows fluids with larger solids up to 5 5/16 in. to pass. The presence or formation of gases (up to 8%) is not a problem either.

S-type

The cutter is an economic solution for domestic waste water containing solids up to 9/32 in. in size.


E-type


The closed single-vane impeller ensures smooth passage for waste waters containing solids and long fibres up to 4.75 in.


D-type


The open diagonal single-vane impeller can handle sludges and waste water containing long fibers, up to a dry matter content of 13%. Coarser solids up to 6 in. can also pass without any problems.



Amamix		Direct Drive Mixer								
	<table border="1"> <tr> <td>Propeller Ø:</td> <td>9" - 25"</td> </tr> <tr> <td>RPM (max):</td> <td>up to 1750</td> </tr> <tr> <td>T (°F):</td> <td>up to 104</td> </tr> <tr> <td>P (hp):</td> <td>up to 15</td> </tr> </table>	Propeller Ø:	9" - 25"	RPM (max):	up to 1750	T (°F):	up to 104	P (hp):	up to 15	<p>Design: A horizontal submersible mixer with direct drive, equipped with self cleaning propeller. The standard design in cast iron, material variants in corrosion and wear resistant stainless steel.</p> <p>Application: Mixing, homogenizing and thickening municipal and industrial waste waters.</p>
	Propeller Ø:	9" - 25"								
	RPM (max):	up to 1750								
	T (°F):	up to 104								
	P (hp):	up to 15								

Amaprop 1000		Gear Drive Mixer								
	<table border="1"> <tr> <td>Propeller Ø:</td> <td>40"</td> </tr> <tr> <td>RPM (max):</td> <td>up to 200</td> </tr> <tr> <td>T (°F):</td> <td>up to 140</td> </tr> <tr> <td>P (hp):</td> <td>up to 25</td> </tr> </table>	Propeller Ø:	40"	RPM (max):	up to 200	T (°F):	up to 140	P (hp):	up to 25	<p>Design: A compact horizontal submersible mixer with Ever-Clean Blade propellers in a close-coupled design and driven via helical gear.</p> <p>Application: Unique hydraulic design and mounting flexibility allow for use in all applications covered by Amamix and full size Amaprop models.</p>
	Propeller Ø:	40"								
	RPM (max):	up to 200								
	T (°F):	up to 140								
	P (hp):	up to 25								

Amaprop		Gear Drive Mixer										
	<table border="1"> <tr> <td>Propeller Ø:</td> <td>48" - 100"</td> </tr> <tr> <td>Q (gpm):</td> <td>up to 76,188</td> </tr> <tr> <td>RPM (max):</td> <td>up to 110</td> </tr> <tr> <td>T (°F):</td> <td>up to 140</td> </tr> <tr> <td>P (hp):</td> <td>up to 8.6</td> </tr> </table>	Propeller Ø:	48" - 100"	Q (gpm):	up to 76,188	RPM (max):	up to 110	T (°F):	up to 140	P (hp):	up to 8.6	<p>Design: A horizontal submersible mixer with Ever-Clean Blade propellers in a close-coupled design and driven via helical gear.</p> <p>Application: Environmental engineering, especially for the treatment of municipal sewage and industrial effluents as well as biogas, sludges, circulation, suspension and flow generation in activating tanks, nitrification and denitrification, biological phosphate removal and flocculation.</p>
	Propeller Ø:	48" - 100"										
	Q (gpm):	up to 76,188										
	RPM (max):	up to 110										
	T (°F):	up to 140										
	P (hp):	up to 8.6										

Amaline		Circulating Pump										
	<table border="1"> <tr> <td>Discharge Size:</td> <td>12" - 32"</td> </tr> <tr> <td>Q (gpm):</td> <td>up to 22,600</td> </tr> <tr> <td>RPM (max):</td> <td>up to 10</td> </tr> <tr> <td>T (°F):</td> <td>up to 104</td> </tr> <tr> <td>P (hp):</td> <td>up to 20</td> </tr> </table>	Discharge Size:	12" - 32"	Q (gpm):	up to 22,600	RPM (max):	up to 10	T (°F):	up to 104	P (hp):	up to 20	<p>Design: A horizontal propeller pump with a submersible motor. It is equipped with coaxial gear or direct drive Ever-Clean Blade propeller with rigid fiber repellent blades.</p> <p>Application: Low head transfer applications</p>
	Discharge Size:	12" - 32"										
	Q (gpm):	up to 22,600										
	RPM (max):	up to 10										
	T (°F):	up to 104										
	P (hp):	up to 20										

Pump Selection Software (HELPS)



HELPS has been specifically designed and tailor made for consulting engineers. The software saves substantial time and effort calculating system curves, selecting pumps and analyzing variable speed curves. HELPS will dynamically link your pump selection to the proper specifications and AutoCAD drawings to complete your work effectively and efficiently.

Ask your local KSB representative for a copy or a demonstration.

The Solution for Protecting Your Pump



The PumpSafe™ Module is used for monitoring all KSB submersible motors for moisture, thermal and bearing temperature.

The PumpSafe™ is specifically designed for modern control systems utilizing constant speed or variable frequency drives (VFD). The module provides independent 5A, 120 VAC rated form C outputs.

Advantages:

- UL approved to both USA and Canadian requirements
- Power supply - 24-240VAC/1/60 or 50 cycle
- A manual/automatic selector switch for manual or automatic reset after alarm.
- RJ-11 connector configured as an RS485 port, for the Broadcast version, to retrieve archival data using a laptop computer. View firmware revision level, model/configuration, analog inputs, fault conditions, fault connectors, and reset counter.
- PumpSafe™ relays can also be purchased with a Modbus option that uses a RS-485 communications bus allowing any Modbus master to query and/or control various aspects of its operation. The advantage is that one or several devices may be connected to a host through a

single multi-drop communications channel which allows monitoring and control from a remote location.

KSB Service, Nationwide for Submersible Pumps and Mixers

KSB has authorized service centers throughout Canada. KSB Service centers and service partners are equipped with factory trained personnel that can trouble shoot, diagnose, repair, and maintain our products. The service centers are equipped to restore your pumps and mixers to like new conditions meeting the original factory specifications with genuine KSB replacement parts.

Contact your local KSB office for more information - www.ksb.ca.



Your local KSB representative:

More space for solutions.



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