

Engineered Products Catalog

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PUMPS & SYSTEMS

USA: (937) 778-8947 • Canada: (905) 457-6223 • International: (937) 615-3598

Printed in U.S.A



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Introduction

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NOTICE:

Performance and dimensional data presented in this catalog are for planning purposes only and are subject to change without notice.

Consult your authorized Barnes distributor for specific details and the latest information, or call Crane Pumps & Systems, Inc. direct at (937) 778-8947.



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About the Catalog



www.cranepumps.com

Introduction

The catalog is organized in 6 Major Sections and a number of Sub-Sections, along with the General, and Warranty & Service sections.

Section 0.1 Section 0.2 Section 1	contains Solids Handling Submersible Pumps contains Submersible Chopper Pumps contains Submersible Wastewater and Sump Pumps
Section 3	contains Submersible Effluent and Grinder
	pumps
Submersible Accessories	
Section 4	contains Self-Priming pumps
Section 5	contains Other pumps (Fountain Pumps and
	End Suction Centrifugal pumps)

Section 6 contains Self-Priming Accessories

Each Major Section is labeled with the type of pump, Submersible Non-Clog Pumps, Effluent/Grinder Pumps, etc., which contains a Family Curve, by discharge size. By laying your pumping requirements within this curve, you can come up with the discharge size of the pump. Now turn to the corresponding Sub-Section which is detailed by discharge size for pump data, dimensions and performance. One Sub-Section, usually the last, will have typical Installation drawings and/or Package Systems.

Also within the Major Section will be sample Specifications for each type of pump construction. These will help you in preparing your Project Specifications using Barnes® pumps.

Section 0.1: Solids Handling Submersible Pumps; Family Curves & Sample Specifications Sect. 0.1A: 3" Solids Handling Pumps Sect. 0.1B: 3" Solids Handling Pumps Explosion Proof Sect. 0.1C: 4" Solids Handling Pumps Sect. 0.1D: 4" Solids Handling Pumps Explosion Proof Sect. 0.1E: 6" Solids Handling Pumps Sect. 0.1F: 6" Solids Handling Pumps Explosion Proof Sect. 0.1G: 8" Solids Handling Pumps Sect. 0.1H: 8" Solids Handling Pumps Explosion Proof Sect. 0.1J: 10" Solids Handling Pumps Sect. 0.1K: 10" Solids Handling Pumps Explosion Proof Section 0.2: Submersible Chopper Pumps; Family Curves & Sample Specifications Sect. 0.2: Chopper Installation Drawings Sect. 0.2A: 3" Submersible Chopper Pumps Sect. 0.2B: 3" Submersible Chopper Pumps Explosion Proof Sect. 0.2C: 4" Submersible Chopper Pumps Sect. 0.2D: 4" Submersible Chopper Pumps Explosion Proof Sect. 0.2E: 6" Submersible Chopper Pumps Sect. 0.2F: 6" Submersible Chopper Pumps Explosion Proof

Section 1: Submersible Non-Clog Pumps;

Family Curves & Sample Specifications

Sect. 1A: Sump & Utility Pumps

- Sect. 1B: 1-1/2", 2" & 3" Vertical Discharge Non-Clog
- Sect. 1D: 4" Horizontal Discharge
- Sect. 1L: Non-Clog Installation Drawings
- Sect. 1M: Non-Clog Explosion Proof; Installation Drawings

Section 3: Submersible Effluent and Grinder Pumps;

Family Curves & Sample Specifications

- Sect. 3A: Effluent Pumps
- Sect. 3B: Grinder Pumps
- Sect. 3C: Grinder Pumps Explosion Proof
- Sect. 3E: Package Systems and Installation Drawings

Submersible Accessories:

- Sect. A: Panels & Accessories
- Sect. B: Break Away Fittings and Accessories
- Sect. C: Basins & Accessories

Section 4: Self-Priming Pumps;

Family Curves & Sample Specifications

Sect. 4A: 2" thru 10" Solids Handling Motor-Driven Sect. 4E: 1-1/2" thru 6" Universal Drive Pumps

Section 5: Other Pumps;

Sect. 5A: Fountain Pumps Sect. 5B: End Suction Pumps

Section 6: Self-Priming Accessories

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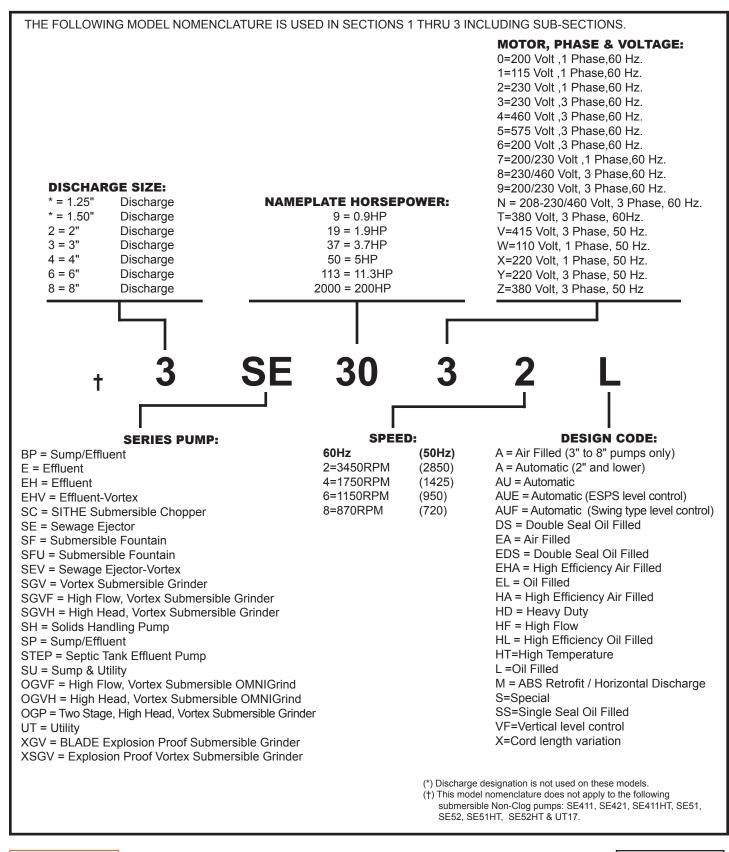
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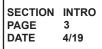


For Submersible Pumps

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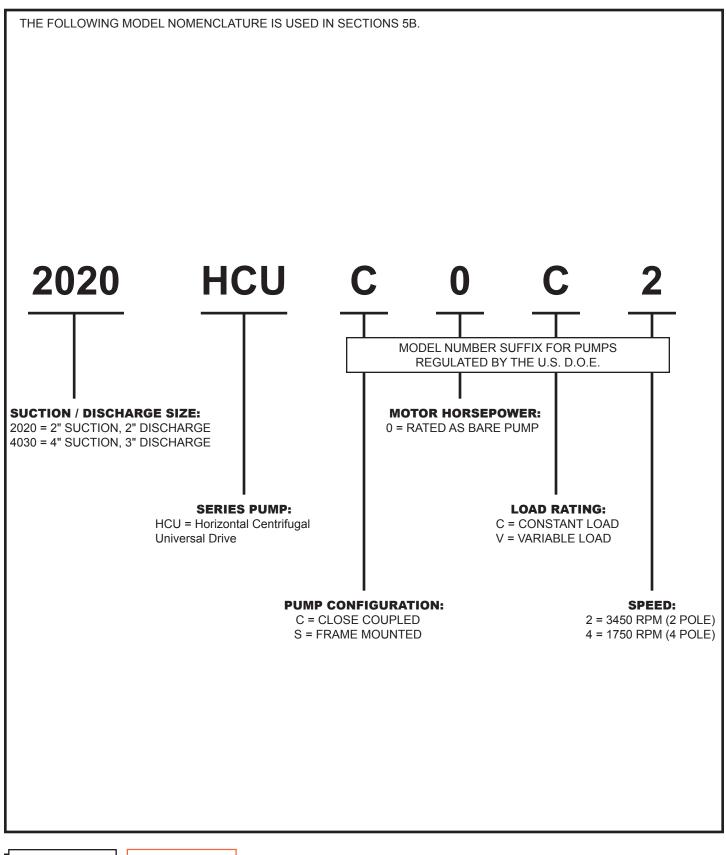
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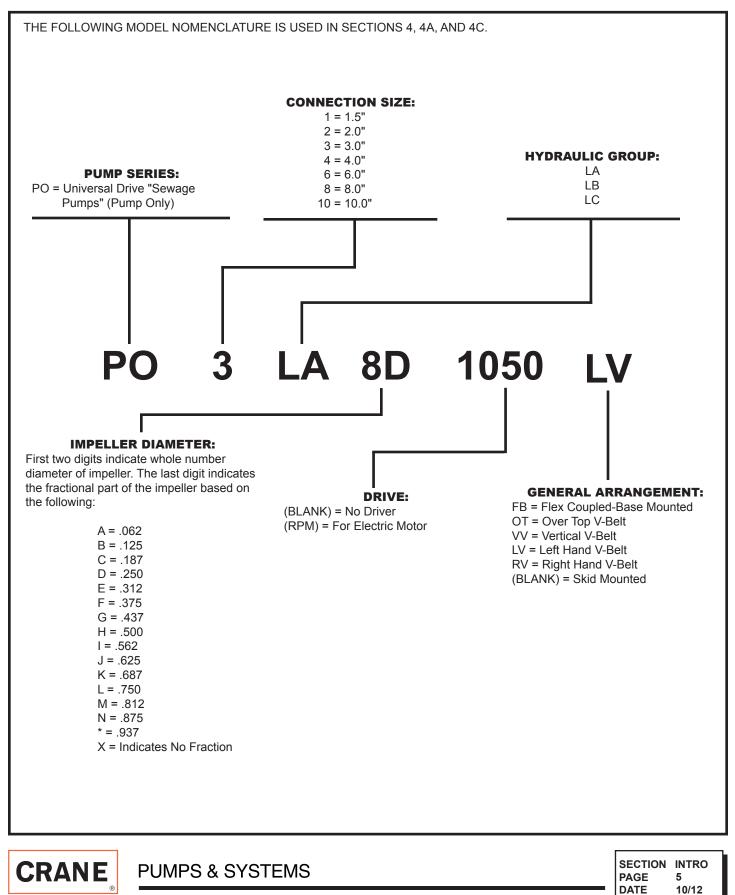
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CROWN Sewage Pumps

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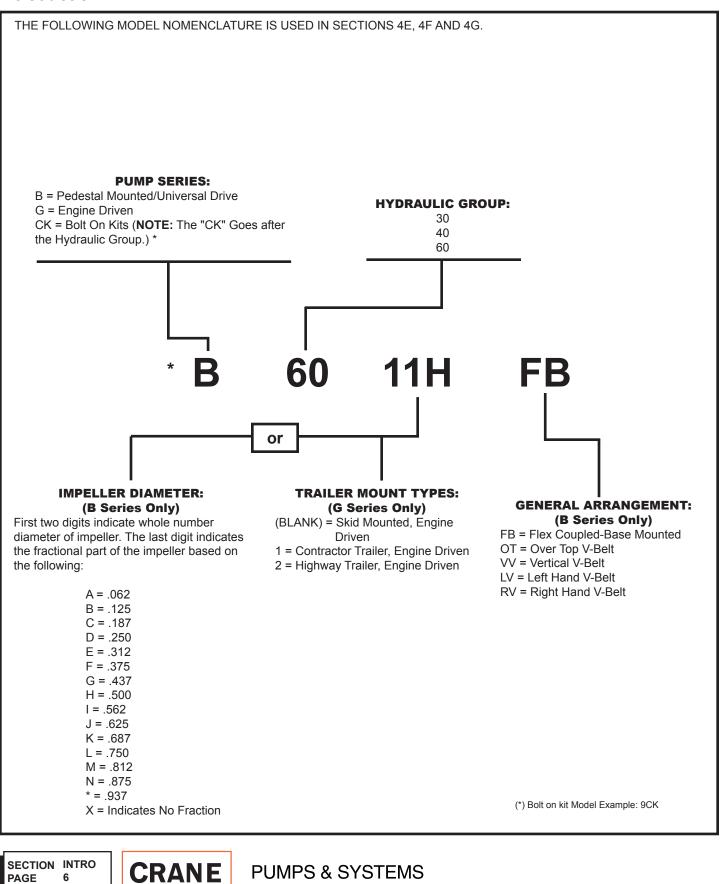
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CROWN Self-Priming Pumps



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Standard Terms and Conditions

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RETURN OF EQUIPMENT: No equipment shall be returned to us without first obtaining a written Returned Goods Authorization and shipping instructions from us. The returner must prepay the charges in full for transportation to our factory. Credit allowed for new, undamaged equipment of current standard design will be a maximum of 80%; or less as determined by Customer Service; of the invoiced price or current billing price, whichever is less. The minimum value of returned product is \$250 invoiced price or current billing price. Equipment which has been used, however slight, will not be accepted. Authorization will not be given for return of equipment, (1) which would, in our opinion, result in an excess in the amount of stock we normally carry, (2) not invoiced within the last 12 months, or (3) which is non-standard and manufactured specifically to a buyer's specifications. For non-standard equipment not of our manufacture, the only credit allowed will be such credit as may be allowed by the manufacturer of such equipment. Equipment must be returned within 30 days of the issuance of the Returned Goods Authorization. No item with a net value of less than \$35.00 will be authorized for return. Items not available for return are those that have a shelf life and hardware items. Unauthorized returns may be refused and/or returned freight collect.

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SECURITY INTEREST: We shall have a lien on all goods sold as security for payment on the invoice price, and upon request you shall provide and execute a financing statement showing such lien.

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are F.O.B. point of manufacture. Delivery of goods to the initial carrier will constitute delivery to you and all goods will be shipped at your risk. A claim for loss or damage in transit must be entered with the carrier and prosecuted by you. Acceptance of material from a common carrier constitutes a waiver of any claims against us for delay, damage or loss.

FACTORY STORAGE: In the event Purchaser is unable to authorize or accept shipment upon notification of Crane Pumps & Systems readiness to ship, equipment shall be placed in suitable storage by Crane Pumps & Systems. Storage charges and any charges for drayage, re-inspection by Quality Assurance, etc. will be for the account of the Purchaser.

GOVERNING LAW: It is understood and agreed that these Terms and Conditions of Sale shall be interpreted under and pursuant to the laws of the State of Ohio; you agree that any action at law or suit which is related to any contract of sale brought against us shall be filed in a federal or state court located in the State of Ohio.

LIMITED WARRANTY: Crane Pumps & Systems warrants that products of our manufacture will be free of defects in material and workmanship under normal use and service for twenty-four (24) months after manufacture date, when installed and maintained in accordance with our instructions. This warranty gives you specific legal rights, and there may also be other rights which vary from state to state. In the event the product is covered by the Federal Consumer Product Warranties Law (1) the duration of any implied warranties associated with the product by virtue of said law is limited to the same duration as stated herein, (2) this warranty is a LIMITED WARRANTY, and (3) no claims of any nature whatsoever shall be made against us, until the ultimate consumer, his successor, or assigns, notifies us in writing of the defect, and delivers the product and/or defective part(s) freight prepaid to our factory or nearest authorized service station. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply. THE SOLE AND EXCLUSIVE REMEDY FOR BREACH OF ANY AND ALL WARRANTIES WITH RESPECT TO ANY PRODUCT SHALL BE TO REPLACE OR REPAIR AT OUR ELECTION, F.O.B. POINT OF MANUFACTURE OR AUTHORIZED REPAIR STATION, SUCH PRODUCTS AND/OR PARTS AS PROVEN DEFECTIVE. THERE SHALL BE NO FURTHER LIABILITY, WHETHER BASED ON WARRANTY, NEGLIGENCE OR OTHERWISE. Unless expressly stated otherwise, guarantees in the nature of performance specifications furnished in addition to the foregoing material and workmanship warranties on a product manufactured by us, if any, are subject to laboratory tests corrected for field performance. Any additional guarantees, in the nature of performance specifications must be in writing and such writing must be signed by our authorized representative. Due to inaccuracies in field testing if a conflict arises between the results of field testing conducted by or for user, and laboratory tests corrected for field performance, the latter shall control. RECOMMENDATIONS FOR SPECIAL APPLICATIONS OR THOSE RESULTING FROM SYSTEMS ANALYSES AND EVALUATIONS WE CONDUCT WILL BE BASED ON OUR BEST AVAILABLE EXPERIENCE AND PUBLISHED INDUSTRY INFORMATION. SUCH RECOMMENDATIONS DO NOT CONSTITUTE A WARRANTY OF SATISFACTORY PERFORMANCE AND NO SUCH WARRANTY IS GIVEN.

This warranty shall not apply when damage is caused by (a) improper installation, (b) improper voltage (c) lightning (d) excessive sand or other abrasive material (e) scale or corrosion build-up due to excessive chemical content. Any modification of the original equipment will also void the warranty. We will not be responsible for loss, damage or labor cost due to interruption of service caused by defective parts. Neither will we accept charges incurred by others without our prior written approval.

This warranty is void if our inspection reveals the product was used in a manner inconsistent with normal industry practice and/or our specific recommendations. The purchaser is responsible for communication of all necessary information regarding the application and use of the product. UNDER NO CIRCUMSTANCES WILL WE BE RESPONSIBLE FOR ANY OTHER DIRECT OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO TRAVEL EXPENSES, RENTED EQUIPMENT, OUTSIDE CONTRACTOR FEES, UNAUTHORIZED REPAIR SHOP EXPENSES, LOST PROFITS, LOST INCOME, LABOR CHARGES, DELAYS IN PRODUCTION, IDLE PRODUCTION, WHICH DAMAGES ARE CAUSED BY ANY DEFECTS IN MATERIAL AND/OR WORKMANSHIP AND/OR DAMAGE OR DELAYS IN SHIPMENT. THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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