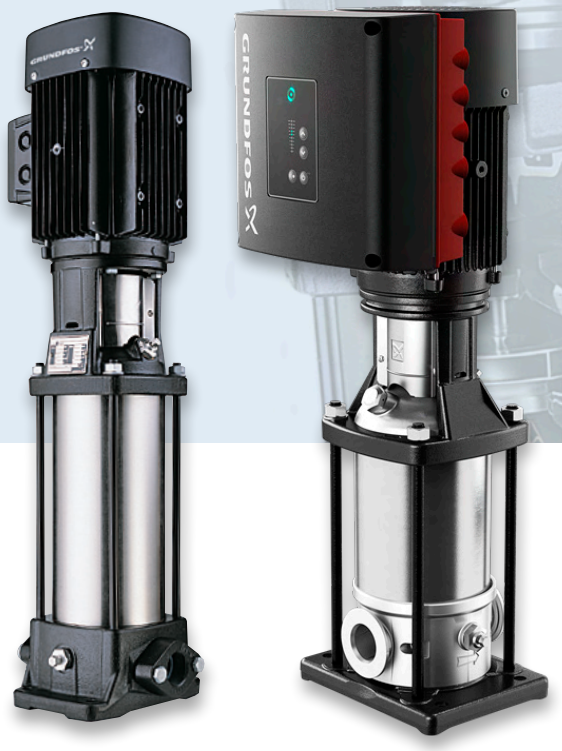
Vertical Multistage Variable Speed System

GRUNDFOS **CR/CRE**

The Grundfos CR is the world's number one vertical multistage centrifugal pump, known for its reliability, efficiency and adaptability. The basic CR pump range, which can be applied in almost any industrial solution, is already in itself the broadest range available. Through our modular approach, we have made it even broader. Customers needing a non-standard solution are able to pick and choose pump elements or "modules" to cover nearly any situation. Pump parts which are typically vulnerable to difficult liquids or particularly demanding operating conditions can be optimized for their purpose and designed for specific requirements.

The Grundfos CRE represents the union of the well known Grundfos CR and variable speed MLE motors developed by Grundfos with optimum electronic control in mind. The CRE features a pump and motor with an integrated variable frequency drive, controller and sensor. The CRE offers a plug-and-pump solution.



KEY FEATURES AND BENEFITS

- Compact, inline design fits into small footprint
- Easy installation and operation with settings and internal connections done at factory
- Highly efficient design reduces energy consumption by up to half compared to fixed speed pumps
- Unique cartridge seal design can be replaced in minutes
- Spacer coupling allows motor to be left in place during seal replacement
- Remote control/fieldbus monitoring and data collection
- Building management system compatible
- User friendly controller interface with advanced features and functionality
- Laser welded stainless impellers promote class leading efficiency
- Optional CR Cool-Top™ allows pump to withstand liquid temperatures of up to 356°F
- Integrated sensor available
- Four material options available, including cast iron, two grades of stainless steel, and all-titanium
- Thirteen flow sizes, capable of producing up to almost 725 psi pressure, and with a variety of shaft seals, rubber materials and supply voltages
- MAGdrive option available for demanding industrial applications where zero-leakage is required

APPLICATIONS

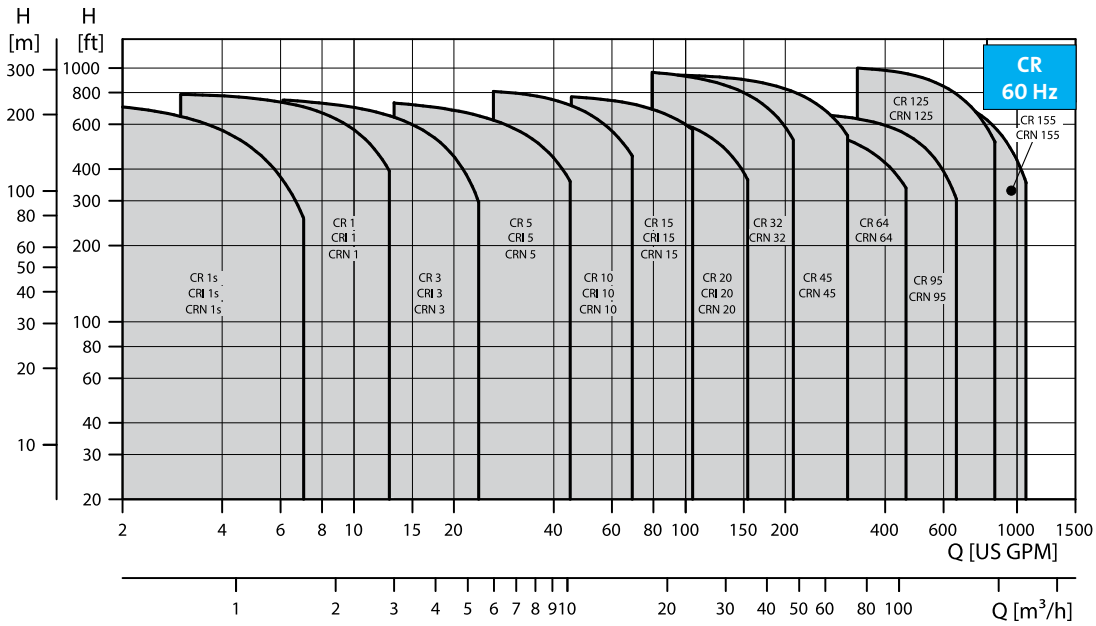
- Boiler feed
- Pressure boosting
- Chilled water
- Heating water
- Condenser water
- Industrial processing
- Washing and cleaning systems
- HVAC
- Irrigation
- General purpose pump

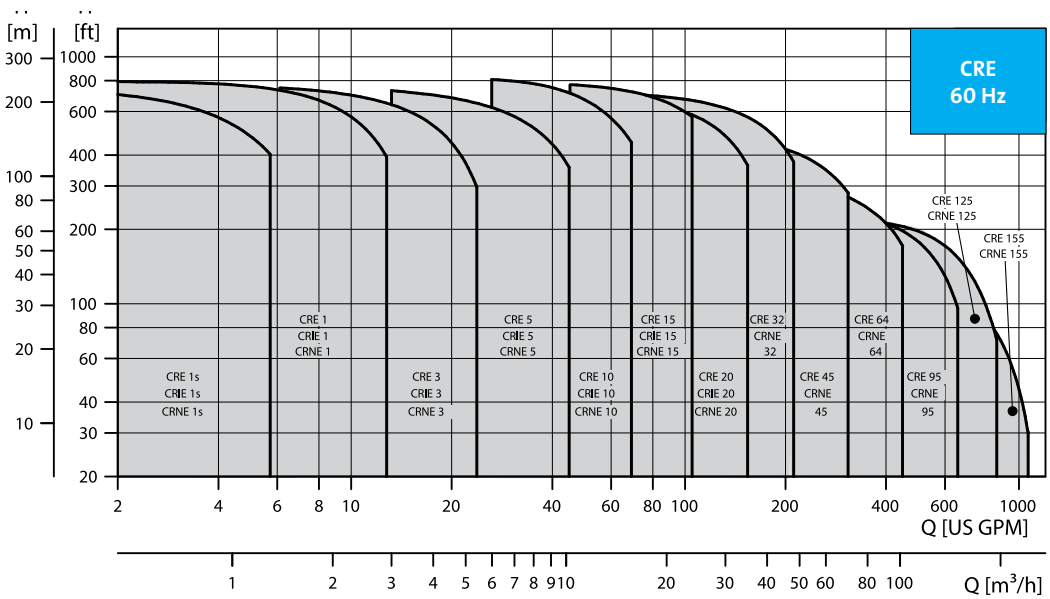
TECHNICAL DATA

CR INFORMATION	
FLOW, Q:	max. 1,052 gpm
HEAD, H:	max. 995 ft
LIQUID TEMPERATURE:	-22 to 248°F
WORKING PRESSURE:	max. 725 psi

CRE INFORMATION	
FLOW, Q:	max. 450 gpm
HEAD, H:	max. 820 ft
LIQUID TEMPERATURE:	-22 to 248°F
WORKING PRESSURE:	max. 435 psi

PERFORMANCE DATA





Visit grundfos.us/pei to learn more about Department of Energy (DOE) pump energy index (PEI) requirements and PEI ratings on specific Grundfos models.

Trademarks displayed in this material, including but not limited to Grundfos, the Grundfos logo and "be think innovate" are registered trademarks owned by The Grundfos Group. All rights reserved. © 2020 Grundfos Holding A/S, all rights reserved.

L-CR-SL-001 0520

Grundfos Americas
Brookshire, TX 77423

www.grundfos.us
www.grundfos.ca
www.grundfos.mx

GRUNDFOS