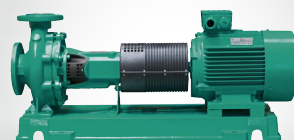


*Highlight Catalogue Water Management 2016/2017*

# Clean Water

Pumps and Pump Systems



# GOING #BEYOND PUMPS

## The Wilo way: Tailored solutions with personal dedication.

**Wilo water management:** This is more than innovative technology and many years of expertise. For us the Wilo way is to provide you with any information whenever and wherever required to make your project succeed. From the design stage, through documentation, to personal support on-site. That is how we live our brand promise "Pioneering for You".



Wilo-Zetos K 8



Wilo-EMU 10 - 24



Wilo-SCP



Wilo-Helix EXCEL



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# Wilo

## Pioneering for You.



### **We are there for you worldwide.**

Since 1872, we at Wilo have been turning visionary ideas into intelligent solutions that regularly set new standards in the industry. The goal of our company founder, Caspar Ludwig Opländer, was to use his copper and brass goods factory to improve and facilitate the supply of water to people. It did not take long for the company to take the key step: in 1928, his son Wilhelm designed the world's first circulation accelerator.

We have been continuing this tradition ever since with pioneering innovations in the heating, air-conditioning and cooling sector, such as the world's first high-efficiency pump, and at the same time we have proven our commitment to using valuable resources such as energy and water responsibly. Today the Wilo Group, headquartered in Dortmund, is represented across the globe as an all-round provider of pumps and pump systems for water management.

### **Cooperative support you can rely on.**

With over 7,500 employees and 60 production and sales companies all over the world, we personally see to it that our customers' and users' needs and requirements – whether they are specialist consultants, operators, or general contractors – are met optimally every day. This means making your life and work as easy as possible with our products, solutions and services.

“Pioneering for You” is our permanent pledge of clear customer focus, unrelenting pursuit of quality, and of our special passion for techno-

logy. In times of dwindling natural resources, the responsible management of water is an extremely important task, which is why we are committed to providing pioneering developments, sustainable product solutions, and cooperative support to ensure you can rely on our solutions for the daily management of water. That's what we call Pioneering for You.

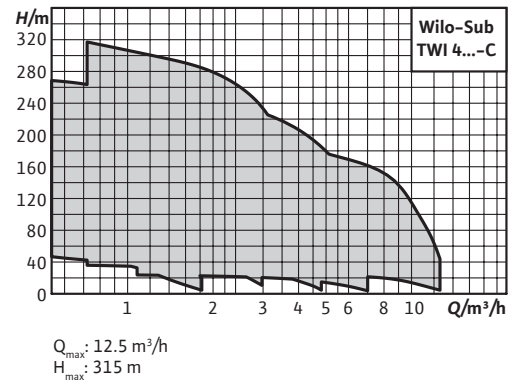


**“The best solutions  
are created through  
top partnership,  
that's what I call Pioneering for You.”**

Daniel Busuioc, International Project Coordinator of Group Competence Team,  
WILO SE, Hof, Germany

## Wilo-Sub TWI 4

Multistage 4" submersible pump in tie strap version for vertical or horizontal installation

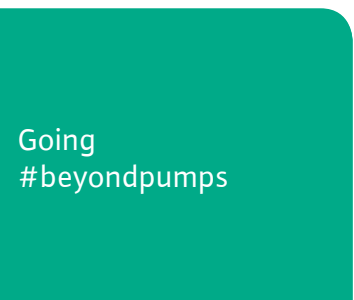


### Special features/product advantages

- Long service life thanks to corrosion-resistant stainless steel, optionally in V4A quality
- ACS certified for domestic hot water applications
- A high degree of flexibility thanks to versions in the 4, 6, 8 and 10-inch area
- High range of performance from 1 to 250 m<sup>3</sup>/h

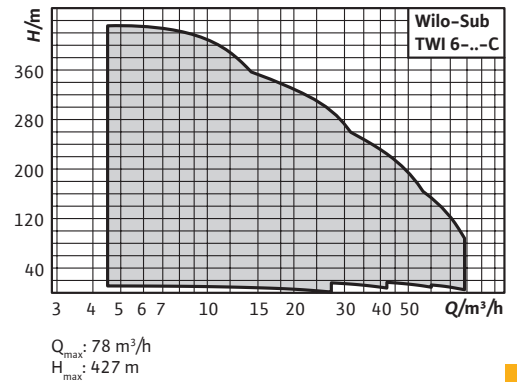
### Application

- For water and drinking water supply from boreholes and rainwater storage
- Process water supply
- For municipal water supply, sprinkling and irrigation
- Pressure boosting
- Lowering the water level
- For pumping water in industrial applications
- For pumping water without long-fibre and abrasive constituents



## Wilo-Sub TWI 6

Multistage 6" submersible pump in tie strap version for vertical or horizontal installation

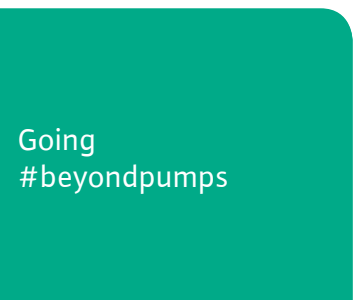


### Special features/product advantages

- Long service life thanks to corrosion-resistant stainless steel, optionally in V4A quality
- ACS certified for domestic hot water applications
- A high degree of flexibility thanks to versions in the 4, 6, 8 and 10-inch area
- High range of performance from 1 to 250 m<sup>3</sup>/h

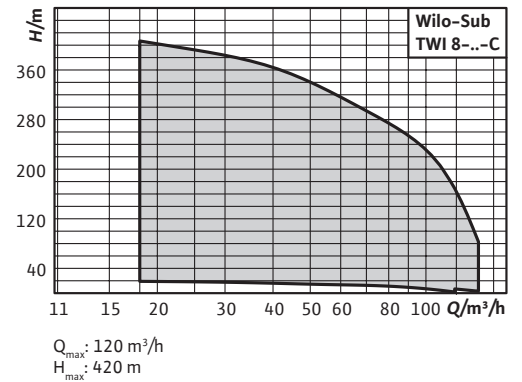
### Application

- For water and drinking water supply from boreholes and rainwater storage tanks
- Process water supply
- For municipal water supply, sprinkling and irrigation
- Pressure boosting
- Lowering the water level
- For pumping water in industrial applications
- For pumping water without long-fibre and abrasive constituents



## Wilo-Sub TWI 8

Multistage 8" submersible pump in tie strap version for vertical or horizontal installation



8

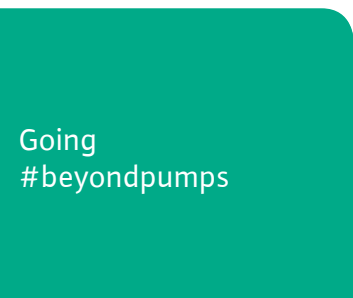


### Special features/product advantages

- Long service life thanks to corrosion-resistant stainless steel, optionally in V4A quality
- ACS certified for domestic hot water applications
- A high degree of flexibility thanks to versions in the 4, 6, 8 and 10-inch area
- High range of performance from 1 to 250 m<sup>3</sup>/h

### Application

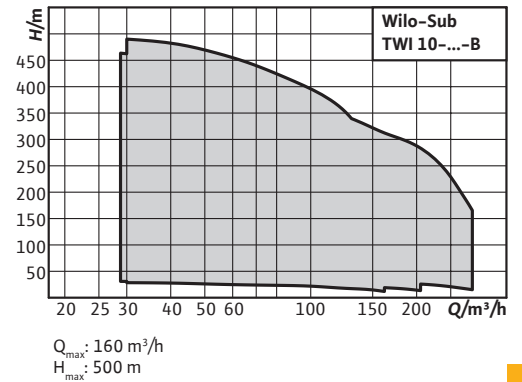
- For water and drinking water supply from boreholes and rainwater storage
- Process water supply
- For municipal water supply, sprinkling and irrigation
- Pressure boosting
- Lowering the water level
- For pumping water in industrial applications
- For pumping water without long-fibre and abrasive constituents





## Wilo-Sub TWI 10

Multistage 10" submersible pump in tie strap version for vertical or horizontal installation

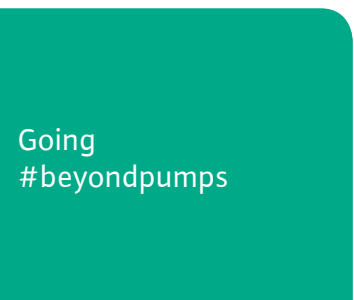


### Special features/product advantages

- Optimised hydraulics with efficiency of up to 80 %.
- Long service life thanks to corrosion-resistant stainless steel, optionally in V4A quality
- ACS certified for domestic hot water applications
- High range of performance from 1 to 250 m<sup>3</sup>/h
- A high degree of flexibility thanks to versions in the 4, 6, 8 and 10-inch area

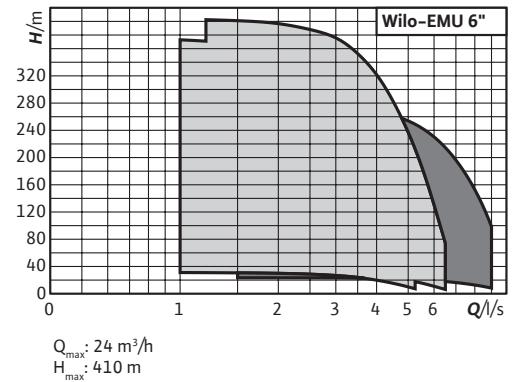
### Application

- For water and drinking water supply from boreholes and rainwater storage
- Process water supply
- For municipal water supply, sprinkling and irrigation
- Pressure boosting
- Lowering the water level
- For pumping water in industrial applications
- For pumping water without long-fibre and abrasive constituents



## Wilo-EMU 6"

Multistage 6" submersible pump in tie rod version for vertical and horizontal installation



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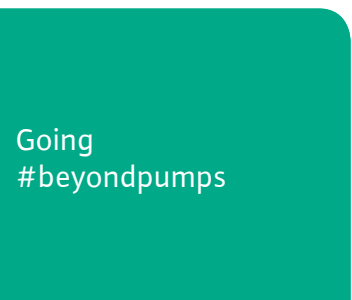


### Special features/product advantages

- Corrosion-free and wear-resistant due to housing made of bronze and impellers made of Noryl
- Integrated non-return valve
- Pressure shroud in corrosion-free and hygienic stainless steel version with rubber bearings for reducing noise and vibration

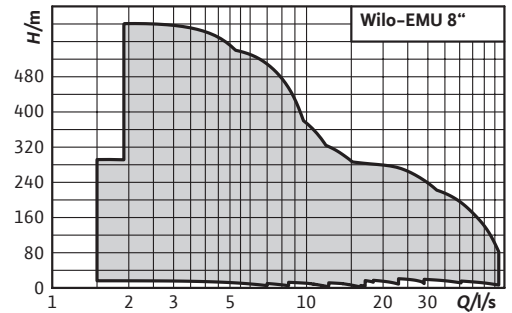
### Application

- Process water supply from boreholes and rainwater storage tanks
- Municipal water supply
- Sprinkling and irrigation
- Pressure boosting
- Pumping of water in industrial applications and water control
- Operation of fountains
- Pumping of water without long-fibre and abrasive constituents



## Wilo-EMU 8"

Multistage 8" submersible pump in sectional construction for vertical and horizontal installation



$Q_{max}$ : 200 m<sup>3</sup>/h  
 $H_{max}$ : 600 m

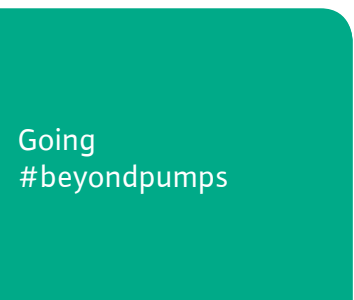


### Special features/product advantages

- Heavy-duty version made of cast iron or zinc-free bronze
- Pressure shroud in corrosion-free and hygienic stainless steel version with rubber bearings for reducing noise and vibration
- Impellers made of zinc-free bronze
- Drinking water version with ACS approval
- Optional Ceram CT coating for increasing efficiency

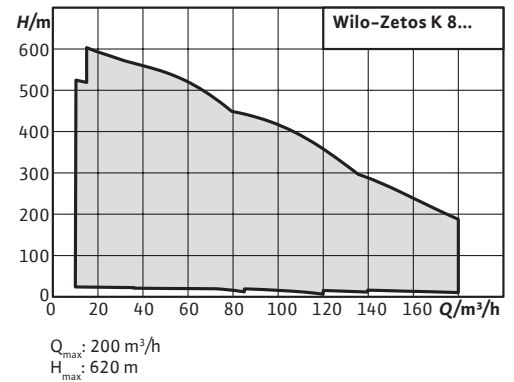
### Application

- For drinking water supply / general water supply from boreholes and rainwater storage tanks
- Process water supply
- Municipal water supply
- Sprinkling and irrigation
- Pressure boosting
- Pumping water in industrial applications and water control
- Utilisation of geothermal energy
- Utilisation in offshore areas



## Wilo-Zetos K 8

Multistage 8" stainless steel cast submersible pump in sectional construction for vertical and horizontal installation

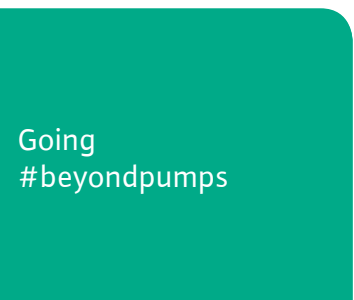


### Special features/product advantages

- High pump efficiency of up to 84.5 %
- A previously unequalled total efficiency of more than 75 % in this class with permanent magnet rotor
- Particularly corrosion-resistant thanks to hydraulics comprised entirely of cast stainless steel in 1.4408 (AISI 316)
- High wear resistance: max. sand content of 150 g/m³
- ACS approved for domestic water applications
- Easy maintenance, simple to dismantle system

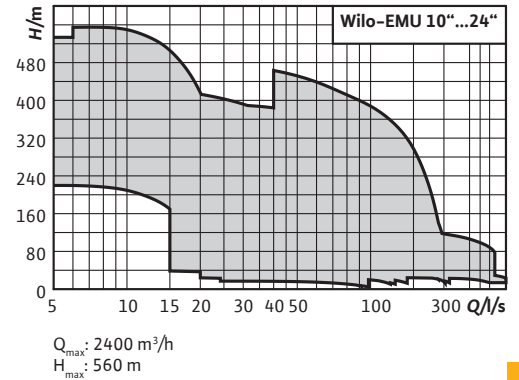
### Application

- Process water and water supply from boreholes and rainwater storage tanks in communal and industrial applications
- Pumping drinking water with ACS approval
- Pumping water for sprinkling and irrigation
- Ground water lowering
- Pressure boosting
- Pumping water in offshore areas and in fire extinguishing systems
- Utilisation in geothermal and thermal applications
- Water control in mines and mining applications



## Wilo-EMU 10 ... 24"

Multistage 10...24" submersible pump in sectional construction for vertical and horizontal installation

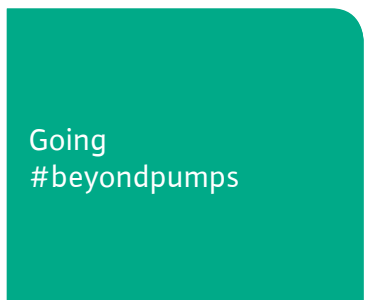


### Special features/product advantages

- Energy-efficient hydraulic systems via customizable hydraulics at the desired duty point
- Drinking water version with ACS approval
- Motors with sheath current cooling (CoolAct technology) for high power densities
- Easy maintenance, rewindable motors
- Optional Ceram CT coating for increasing efficiency

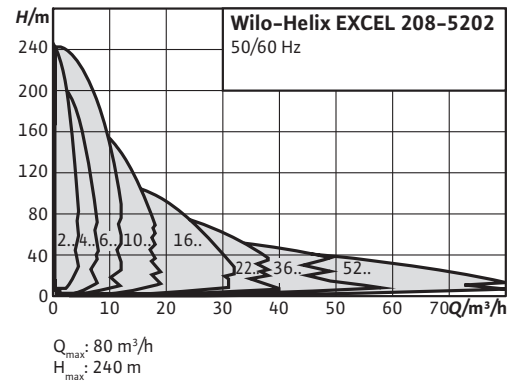
### Application

- For drinking water supply / general water supply from boreholes and rainwater storage tanks
- Process water supply
- Municipal water supply
- Sprinkling and irrigation
- Pressure boosting
- Pumping water in industrial applications and for water control
- Utilisation of geothermal energy
- Utilisation in offshore areas



## Wilo-Helix EXCEL

Non-self-priming, highly efficient fully stainless-steel high-pressure multistage centrifugal pump with EC motor in vertical design



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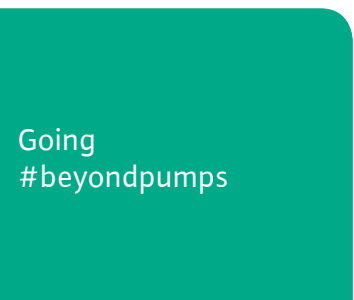


### Special features/product advantages

- High-efficiency EC motor (better than the IE4 efficiency value)
- Integrated electronic control “High-Efficiency Drive”
- Simple operation thanks to tried-and-tested „red-button technology“ and a clearly arranged display
- User-friendly „X-Seal“ cartridge mechanical seal and spacer coupling (from 5.5 kW) for fast and easy maintenance
- Flexible integration into building automation
- Drinking water approval for all components that come in contact with the fluid (EPDM version)

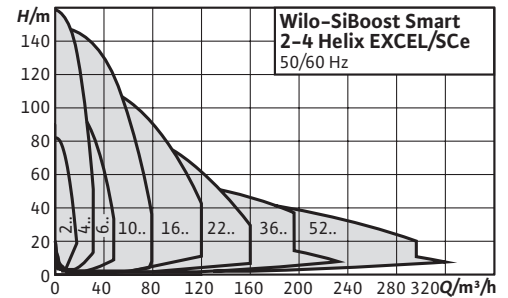
### Application

- Water supply and pressure boosting
- Industrial circulation systems
- Process water
- Cooling water circulation systems
- Fire extinguishing systems
- Washing systems
- Irrigation



## Wilo-SiBoost Smart Helix EXCEL

Highly efficient water-supply unit (non self-priming) ready for connection with 2 to 4 vertically arranged Helix EXCEL stainless steel high-pressure centrifugal pumps switched in parallel



$Q_{max}$ : 320 m<sup>3</sup>/h  
 $H_{max}$ : 159 m<sup>3</sup>/h

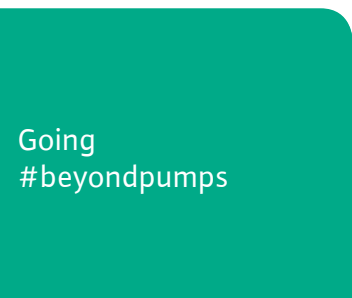


### Special features/product advantages

- Sturdy system with Helix EXCEL stainless steel high-pressure circulation pumps with integrated frequency converter from 25 Hz to a maximum 60 Hz
- Highly efficient EC motor (efficiency higher than IE4 limit values in accordance with IEC TS 60034-31 Ed.1)
- Pressure-loss optimised with highly-efficient pump hydraulics
- Integrated dry-running detection with automatic deactivation via the motor control electronics
- Maximum degree of control using the SCe control device with LC display, simple navigation and configuration using rotary knob

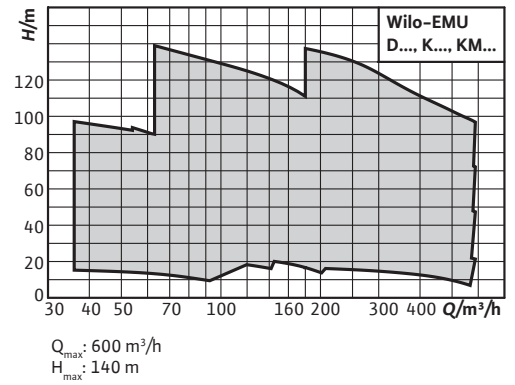
### Application

- Fully automatic water supply and pressure boosting in residential, commercial and public buildings, hotels, hospitals, department stores and for industrial systems
- Pumping of drinking water, process water, cooling water, fire water (apart from fire-extinguishing systems in accordance with DIN 14462 and with the approval of the local fire safety authorities) or other types of industrial water that do not attack the materials either chemically or mechanically and do not contain abrasive or long-fibre constituents



## Wilo-EMU Sprinklerpumpen D..., K... and KM...

Multistage submersible pump in sectional construction with VdS approval for vertical or horizontal installation

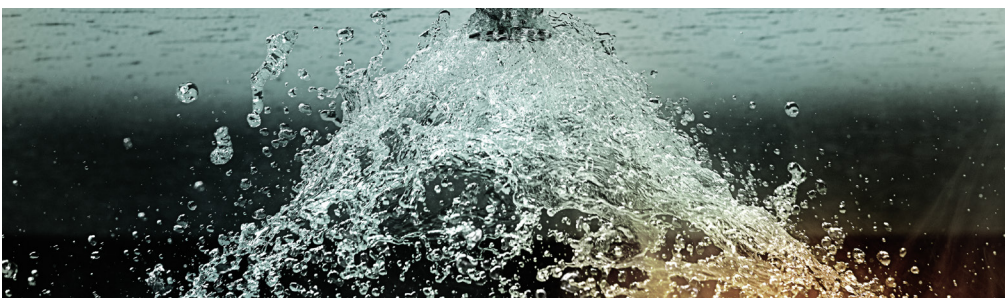


### Special features/product advantages

- VdS certified
- Heavy-duty version made of cast iron or bronze
- Pressure shroud in corrosion-free and hygienic stainless steel version with rubber bearings for reducing noise and vibration
- VdS-certified non-return valve available as an accessory

### Application

- For pumping water without long-fibre and abrasive constituents for supplying sprinkler systems

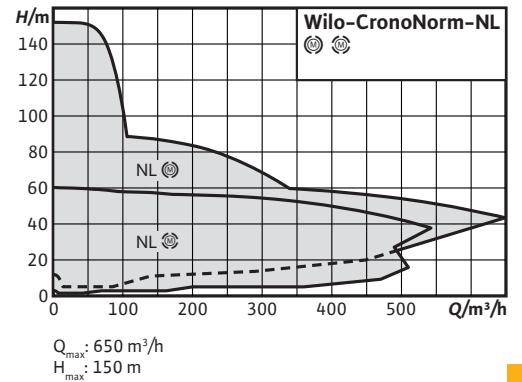
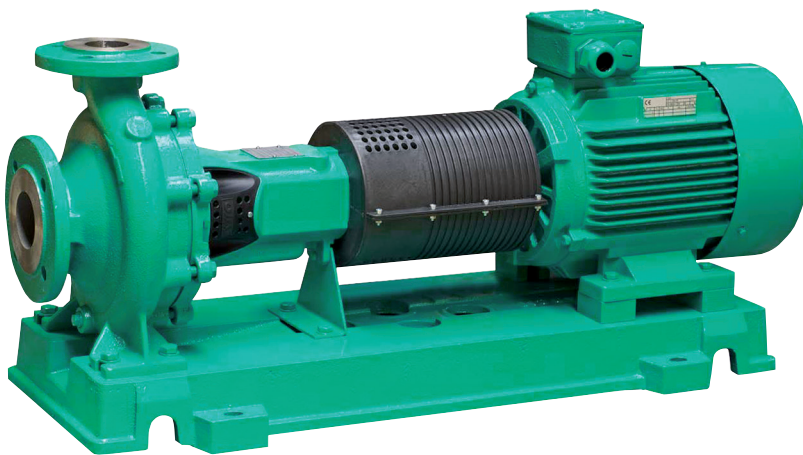


Going  
#beyondpumps



## Wilo-CronoNorm-NL

Single-stage low-pressure centrifugal pump with axial suction, according to EN 733, mounted on a baseplate

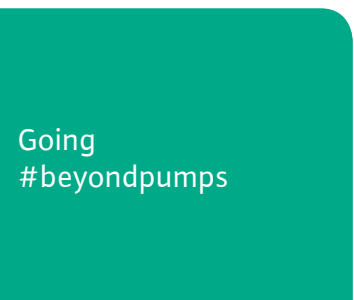


### Special features/product advantages

- Reduced life-cycle costs through optimised efficiency levels
- Bidirectional, force-flushed mechanical seal
- Low NPSH values, best cavitation properties
- Shaft coupling with or without spacer coupling

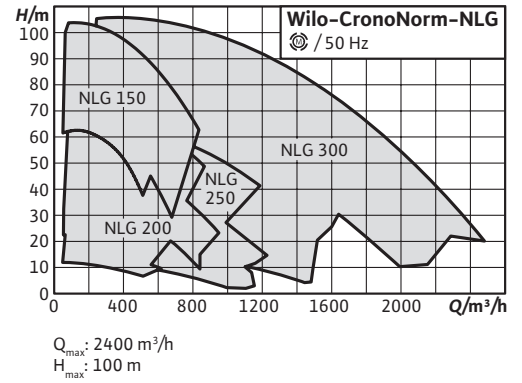
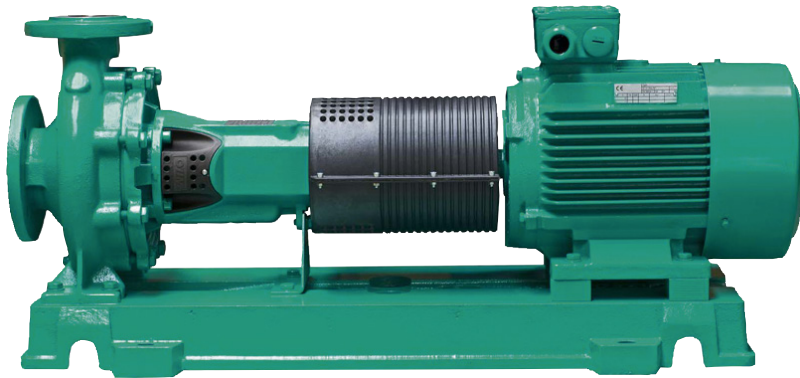
### Application

- Pumping of heating water (acc. to VDI 2035), cold water and water/glycol mixtures without abrasive substances in heating, cold water and cooling systems.
- Applications for irrigation, building services, general industry, power stations, etc.



## Wilo-CronoNorm-NLG

Single-stage, low-pressure centrifugal pump with axial suction, mounted on a baseplate



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### Special features/product advantages

- Reduced life cycle costs thanks to optimized efficiency
- Bidirectional, force-flushed mechanical seal
- Interchangeable casing wear rings
- Permanently lubricated, generously dimensioned roller bearings
- Low NPSH, best cavitation properties

### Application

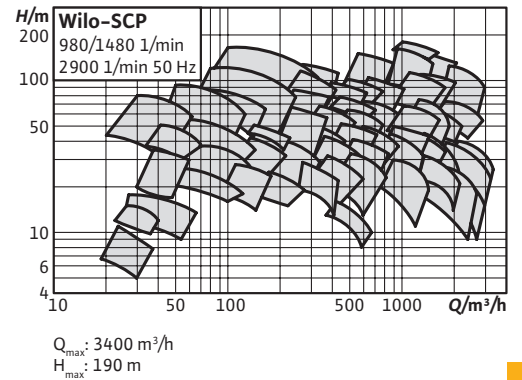
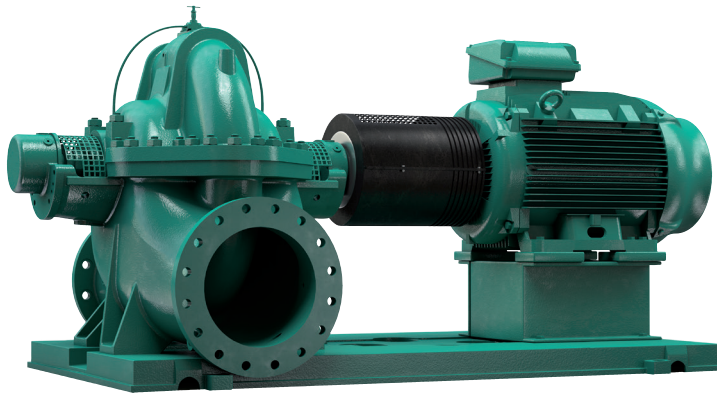
- Pumping of heating water (acc. to VDI 2035), cold water and water/glycol mixtures without abrasive substances in heating, cold water and cooling systems.
- Applications for irrigation, building services, general industry, power stations, etc.



Going  
#beyondpumps

## Wilo-SCP

Axially split case pump mounted on a baseplate



### Special features/product advantages

- Efficient hydraulics for high flow rates up to 17,000 m<sup>3</sup>/h
- Low NPSH thanks to double suction impeller
- High process reliability and easy maintenance without removing the pressure or suction lines
- Decreased noise level and reduced vibrations
- Options: Energy-efficient IE3/IE4 motors, drinking water approval (KTW, ACS), innovative Ceram CT coating

### Application

- Pumping heating water in accordance with VDI 2035 water/glycol mixtures, cooling/cold water and domestic hot water
- Applications in municipal water supply, irrigation, building services, general industry, power stations, etc.



Going #beyondpumps

**Best water supply.  
And needless to say  
energy-efficiently  
defined.**



**Learn  
more at: /  
watermanagement**

## **Wilo-Zetos K 8.**

The demand for drinking water is growing, as is the amount of land used for agricultural purposes. As a system expert Wilo has recognised that as a result of this, raw water must be promoted in the most energy-efficient and economic way. Our best-in-class solution for you: Wilo-Zetos K 8. The flexible submersible pump sets standards with a pump efficiency of up to 84.5 % and an overall efficiency of 75 %. It can be precisely configured to your needs and is also suitable for the demanding processes in the raw water intake. Ideal for municipalities but also for agriculture. Thanks to our service feature Try & Buy, you can test Wilo-Zetos K 8 in your system.





## Wilo-Select 4 online

### The pump consultant

The new online application for pump dimensioning – flexible, convenient, efficient and powerful. Experience pump dimensioning in 4D with our new Wilo-Select 4 online: it makes your designing easier, faster and safer than ever before. Over the internet you have always flexible access to latest product data – where ever and whenever you want.

**“Product recommendation in only 4 steps, that’s what I call Pioneering for You.”**

**Wilo-Select 4 online, the pump consultant:**

- Easy handling
- Reliable product configuration with hydraulic calculations
- Comparison of amortisation times, operating costs and life cycle costs at a glance
- Optimum support for designing and customer consultation



## Wilo Services.

### Our full-service package for you as partners.

With Wilo as your partner, you can not only be sure of choosing high-quality product solutions but also of benefiting from a comprehensive, worry-free package of well thought out services. This means that we support you personally in every project phase, from design and configuration right through commissioning and maintenance. In our seminars we tell you about the very latest technologies and trends. And when it comes to attractive conditions for your projects, we also have just the right package to offer.

In short, Wilo is always by your side. In person and on the spot. With local services in over 60 countries and more than 1,200 Wilo engineers worldwide.

#### **We make the design and selection process simple for you.**

We do not want you to select any solution, but the one that exactly meets your requirements. As a result, we work through your requirements with you before the purchase and, based on this, we prepare the individual product solution that is most economical for you.

#### **Pre-sales services for your tailor-made choice:**

- Local support
- Design support
- Product selection
- Selection programmes
- Digital flow simulations
- Flow calculation
- Pipe calculation
- Installation drawings
- Documentation

**“Services that provide comprehensive and reliable support.**

**That’s what we call Pioneering for You.”**





### You can't go wrong with Wilo.

When you have made your choice we provide you with thorough advice on your investment. What is more, we don't just deliver your solution, we continue to support you – from certification right through to commissioning. For example, qualified plant engineers with years of experience will carry out an extensive test and training phase with our pumps.

#### Sales services that really work for you.

- Certification
- Acceptance testing at the plant
- Commissioning
- Start-up

#### → Wilo Financial Services

We help you with the financial implementation of your projects, and we will gladly create a quotation tailored for your investment.

#### → Try & Buy

Try & Buy lets you play safe with your investments. Choose a no-risk trial for up to six months to convince yourself of the quality of Wilo's products.



### We are there for you. Even after the purchase.

Our tailor-made service solutions cover the entire life cycle of your Wilo products – even after the purchase. That is why we have professional service engineers available for you locally and globally so that we can supply spare parts quickly and reliably at any time, and why we provide targeted training courses among other things to enhance your expertise. And we continually strive to improve our services.

#### After-sales services with real added value for you.

- Customised, reliable maintenance concepts
- Rapid repair service
- Fast spare parts solutions
- Efficiency check
- Specific training courses

#### → WiloCare

Our service offer for guaranteed operational reliability and cost certainty. Monthly reports keep you up to date on how your system is doing: system status, energy consumption, possible optimisations and pending maintenance intervals. Wilo can offer you individually tailored services in various packages at a fixed monthly price. These allow you to check how reliable your processes are at any time – both in terms of technology and costs.



*wilo*

Pioneering for You