

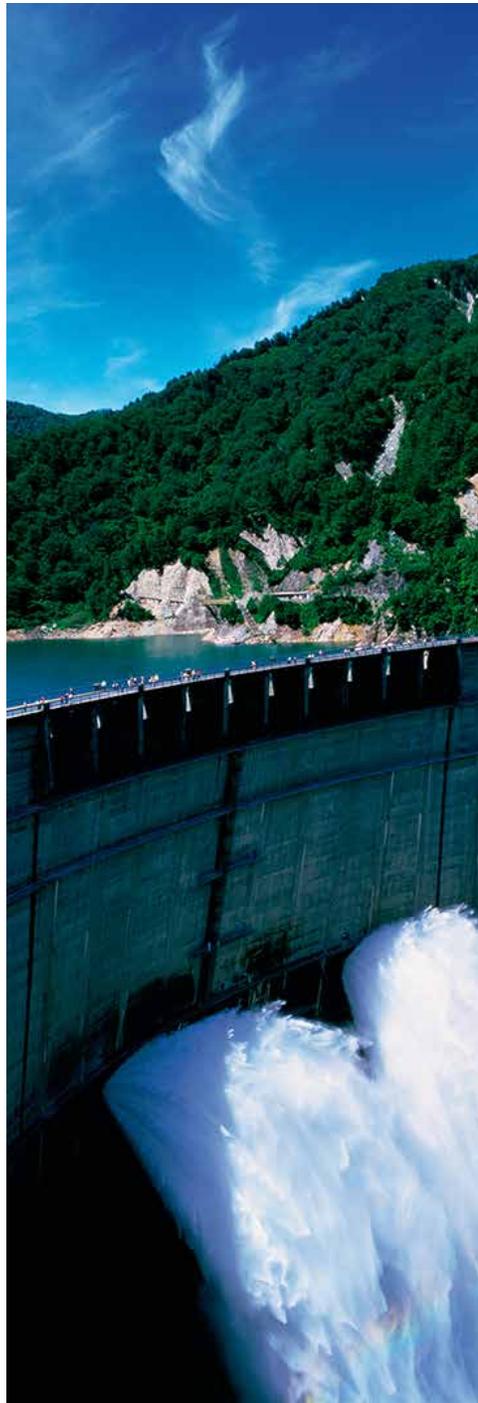
Pioneering for You

wilo®

2014 - North America 60 Hz.

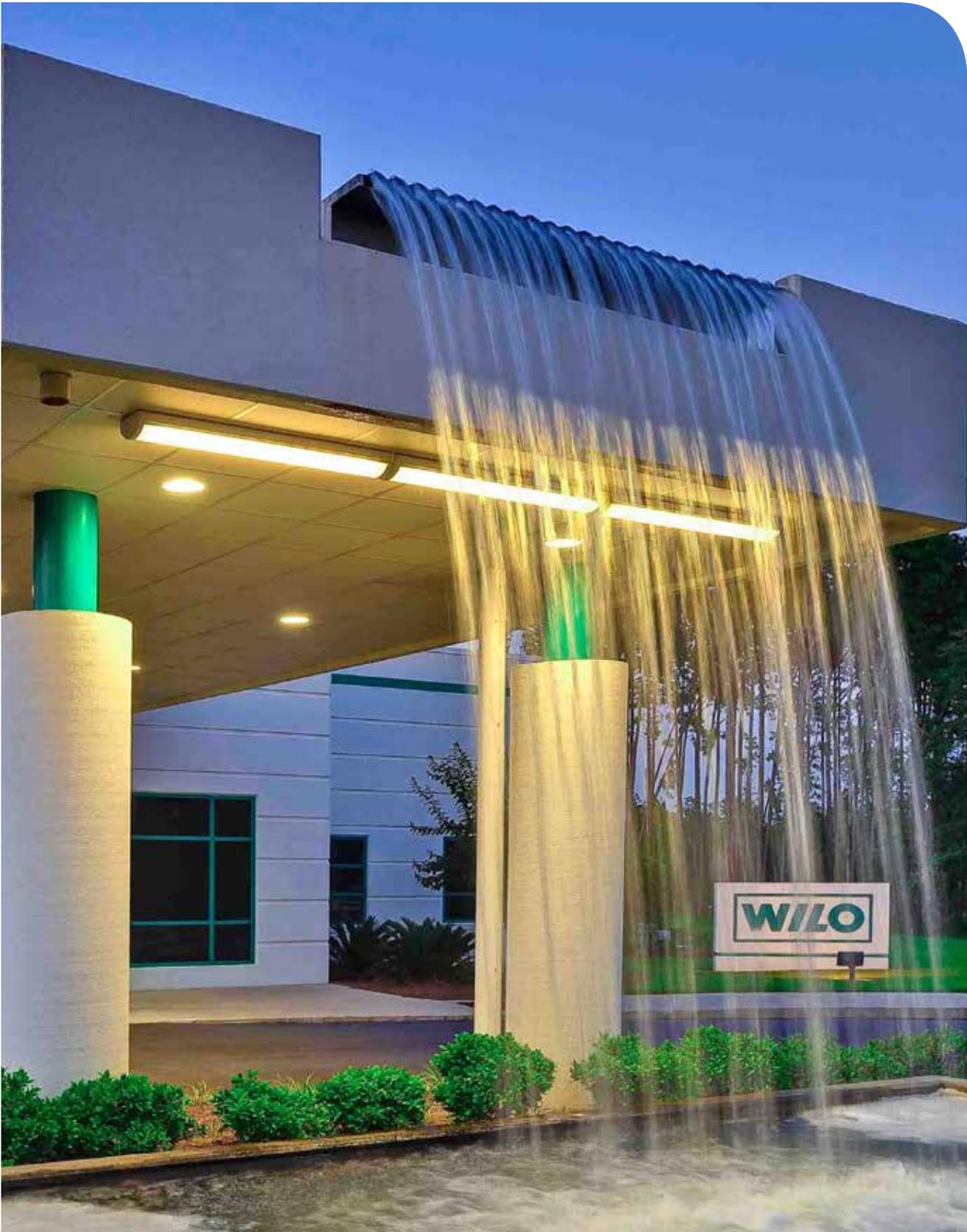
Wilo Product Catalog

Pumps and systems for Building Services, Water Management, and Groundwater.



Wilo Manufacturing Facility

Thomasville, GA



General Overview

at a glance:

Contents

Wilo

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Pioneering for You.

Building Services

from page 9

Pumps and pump systems for heating, air conditioning, cooling, pressure boosting, water supply and sewage disposal in domestic households, rented accommodation, administrative and commercial buildings.

Water Management

from page 21

Pumps and pump systems for water supply, sewage disposal and sewage treatment in municipal buildings.

Groundwater

from page 27

Submersible pumps for water supply from water wells, agriculture, dewatering and industrial applications.

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, Louis Opländer, was to use his copper and brass goods factory to improve and facilitate the supply of water and heat to people. He was very successful: in 1928, he designed the world's first circulation accelerator and revolutionized the field of heating technology. Since then, our company history has been marked again and again by pioneering innovations such as the world's first high-efficiency pump for heating, air-conditioning and cooling and the world's first decentralized pump system. Today Wilo SE, headquartered in Dortmund, is one of the world's leading manufacturers and providers of pumps and pump systems for heating, air-conditioning and cooling, for water supply and sewage disposal. With over 6,700 employees and 60 production and sales companies all over the world, we personally see to it that the wants and needs of our customers and users are optimally met every day – with pioneering developments and solutions, high-efficiency products, tailored solutions for special applications and for industry and extensive service offerings. This is what we mean by Pioneering for You.



Wilo SE
Dortmund, Germany



Wilo's way Our new Image.

Shaping the future for you.

This year, we are presenting ourselves not only with many trendsetting products, but also with a new image. The reason is simple: we have clearly changed in recent years and have become much more dynamic, large and international. We are now communicating this change with the outside world, through a fresh color scheme, our new logo and the slogan "Pioneering for You".

With this new slogan, we are making clear who is always at the center of all our thoughts and developments: our customers, whose life and work we want to make as simple as possible with our products, solutions and services. Our slogan "Pioneering for You" expresses our commitment to a clear customer focus, strict quality orientation and strong passion for technology. We will measure our future performance against this standard, and we hope you will do the same.

Wilo planning support

Our software applications for your efficiency.

At Wilo, we want you to be able to concentrate from the very start on what's important – you. This is why we design our pumps and pump systems so that you can integrate them as easily as possible. We also offer a selection of applications aimed at effectively supporting you in your day-to-day work.

Wilo Select 4:

The new and improved web-based selection software will launch Spring 2014. Be sure to check out our updated pump planning software where you can find the right pump for your application in seconds along with all the important information.



The online CAD catalogue:

You can download exact 2D and 3D drawings quickly and easily at wilo-usa.cadprofi.com.



“Wilo has a four-year warranty on Stratos products?”

“The best in the industry...”



Now you can have the best warranty in the business on Wilo Stratos, Stratos D and Stratos Z high efficiency ECM circulators!

That's right – Our standard warranty on select Stratos products is now 4 YEARS. We are so sure that the Stratos is the last circulator you'll need, that we've doubled the original two year warranty. Drop us a line and join the thousands who rest easy with Wilo!

T 888-945-6872 | www.wilo-usa.com



Wilo-Stratos



Wilo-Stratos D



Wilo-Stratos Z

Pioneering for You

wilo[®]

Building Services

Pumps and pump systems for heating, air conditioning, cooling, pressure boosting, water supply and sewage disposal in domestic households, rented accommodation, administrative and commercial buildings.



Wilo Stratos GIGA

Section Overview

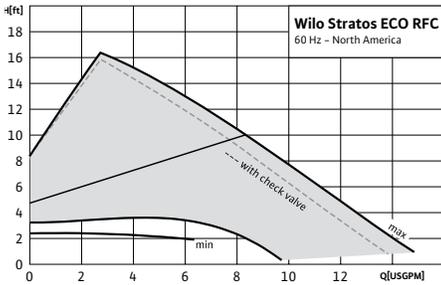
Building Services:

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Wilo Stratos ECO RFC

High Efficiency Wet Rotor Circulators



Application

- Hot Water Heating Systems
- HVAC Applications
- Residential Heating
- Water/Glycol concentrations up to 50%
- Solar
- Geothermal

Max. Flow

14 USGPM

Max. Head

16 feet

Features & Benefits

- Patent-pending 360° Flange rotates to 12/6 or 3/9 o'clock positions
- Installable hi-temp check valve included
- EC motor technology reduces energy consumption by up to 80%
- Automatically adjusts to system demands
- No more over-pumped, noisy zones
- Easy wiring quick connectors

Technical Data

- Temp Range: 60°F to 230°F (15°C to 115 °C)
- Amb Temp Range: 14°F to 104°F (-10°C to 40 °C)
- Electrical Connection: 1~115v
- Max Working Pressure: 145 PSI

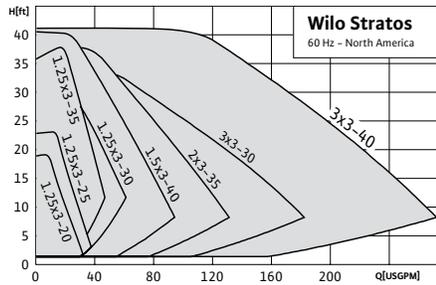
Materials of Construction

- Cast Iron Volute
- Cast Iron Rotating Flange
- Engineered Composite Impeller
- Stainless Steel Shaft
- Carbon Impregnated Bearing



Wilo Stratos

High Efficiency Circulators



Application

- Hot Water Heating Systems
- Closed Cooling Circuits
- Air Conditioning systems
- Industrial Circulation
- Water/Glycol concentrations up to 50%
- Solar / Geothermal

Max. Flow

285 USGPM

Max. Head

43 feet

Features & Benefits

- EC motor technology reduces energy consumption by up to 80%
- 'Red Button' technology and LED display
- 3 times higher starting torque than a standard circulator
- On-board diagnostics and data logger
- Multiple control modules available for integration with building management systems

Technical Data

- ΔP-V or ΔP-C constant speed control modes standard. ΔP-T available with IR device
- Temp Range: 14°F to 230°F (-10°C to 110°C)
- Electrical Connection: 1~208/230v (+/- 10%)

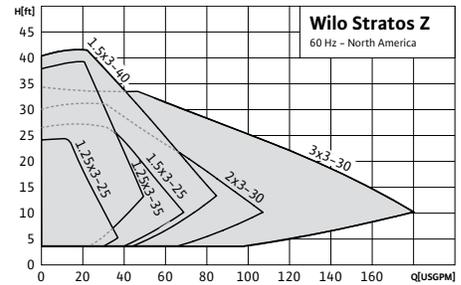
Materials of Construction

- Cast Iron, Cathaphoresis Coated Volute
- Engineered Composite Impeller
- Stainless Steel Shaft
- Carbon Impregnated Bearing



Wilo Stratos Z

High Efficiency DHW Circulators



Application

- Domestic Hot Water
- Closed Cooling Circuits
- HVAC Systems
- Industrial Circulation
- Solar
- Geothermal

Max. Flow

180 USGPM

Max. Head

43 feet

Features & Benefits

- NSF 61 / NSF 372 Certified
- EC motor technology reduces energy consumption by up to 80%
- 'Red Button' technology and LED display
- Multiple control modules available for integration with building management systems

Technical Data

- ΔP-V or ΔP-C constant speed control modes standard. ΔP-T available with IR device
- Temp Range: 14°F to 230°F (-10°C to 110°C)
- Electrical Connection: 1~208/230v (+/- 10%)

Materials of Construction

- Stainless Steel Volute
- Engineered Composite Impeller
- Stainless Steel Shaft
- Carbon Impregnated Bearing

*Less than 0.25% Lead content



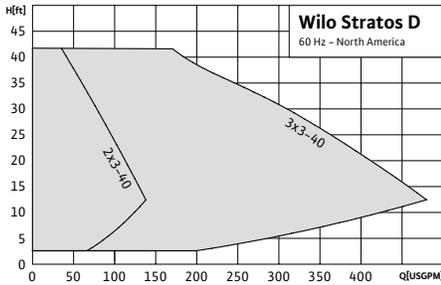
Wilo Stratos D
High Efficiency Circulators



Wilo Stratos GIGA
High Efficiency Inline Circulators



Wilo Helix Excel
High Efficiency Multistage Pumps



Application

- Hot Water Heating Systems
- Industrial Circulation
- Closed Cooling Circuits
- Air Conditioning Systems
- Solar
- Geothermal

Max. Flow

480 USGPM

Max. Head

43 feet

Features & Benefits

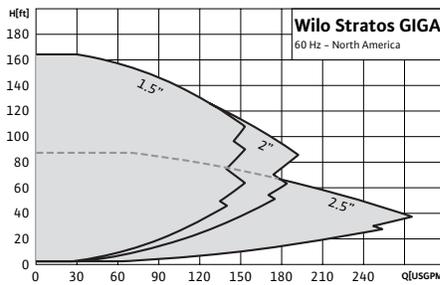
- EC motor technology reduces energy consumption by up to 80%
- 3x higher starting torque
- Lead/Lag operation with auto 24-hr alternation
- 'Red Button' technology and LED display
- On-board diagnostics and data logger
- Multiple control modules available for integration with building management systems

Technical Data

- ΔP-V, ΔP-C, or constant speed control modes standard. ΔP-T control mode available with IR device
- Temp Range: 14°F to 230°F (-10°C to 110°C)
- Electrical Connection: 1~208/230v (+/- 10%)

Materials of Construction

- Cast Iron, Cataphoresis Coated Volute
- Composite Impeller
- Stainless Steel Shaft
- Carbon, Metal Impregnated Bearing



Application

- Hot Water Heating Systems
- Industrial Circulation
- Closed Cooling Circuits
- Air Conditioning Systems
- Solar
- Geothermal

Max. Flow

275 USGPM

Max. Head

167 feet

Features & Benefits

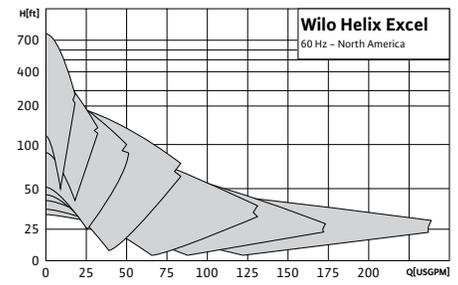
- Highest efficiency motor-drive combination on the market up to 7.5HP
- Over 33% energy savings vs. controlled inline pumps
- Compact, Space-saving design
- 'Red Button' technology and LED display
- Various control modes: ΔPV, ΔPC, η, PID
- Multiple control modules available for integration with building management systems

Technical Data

- Temp Range: -4°F to 284°F (-20°C to +140°C)
- Max Amb Temp: 104°F [40°C]
- Max Operating Pressure: 232 PSI
- Electrical Connection: 3~460v
- IP 55 Enclosure

Materials of Construction

- Cast Iron, Cataphoresis Coated Volute
- Cast Iron Lantern
- High-Temp, High-Pressure Engineered Composite Impeller
- Stainless Steel Pump Shaft



Application

- Water Supply and Pressure Boosting
- Process water
- Washing Systems
- Industrial Circulation Systems
- Cooling water
- Irrigation

Max. Flow

250 USGPM

Max. Head

720 feet

Features & Benefits

- Highest efficiency motor-drive combination on the market up to 7.5HP
- Over 33% energy savings vs. controlled multistage pumps
- Uses cartridge seal for easy maintenance
- 'Red Button' technology and LED display
- Various control modes: ΔPV, ΔPC, η, PID
- Multiple control modules available for integration with building management systems

Technical Data

- Temp Range: -4°F to 248°F [-20°C to +120°C]
- Max Amb Temp: 104°F [40°C]
- Max Operating Pressure: 232/363 PSI
- Electrical Connection: 3~460v
- IP 55 Enclosure

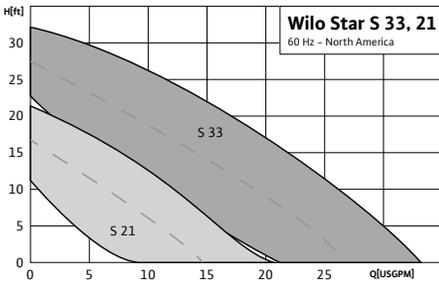
Materials of Construction

- 3-D Stainless Impellers
- Stainless Steel Volute, Shroud & Shaft



Wilo Star S

3 Speed Wet Rotor Circulators



Application

- Hot Water Heating Systems
- Cold Water
- Air-Conditioning Systems
- Water/Glycol concentrations up to 50%
- Solar
- Geothermal

Max. Flow

35 USGPM

Max. Head

33 feet

Features & Benefits

- Reliable wet rotor technology
- Quick connect wiring
- Powerful starting torque
- Ultra quiet
- Installable hi-temp check
- RFC Patented Rotating Flange: US 8,297,664 B2

Technical Data

- Max Temp Range: 14°F to 230°F (-10°C to 110°C)
- Max Amb Temp: 104°F (40°C)
- Electrical Connection: 1~115v
Star S33 available in 1~115v, 230v
- Max Working Pressure: 140 PSI (10 Bar)

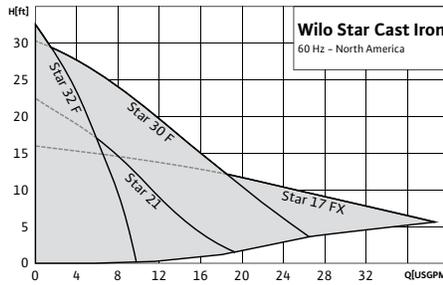
Materials of Construction

- Cast Iron Volute
- Engineered Composite Impeller
- Stainless Steel Shaft
- Carbon Impregnated Bearing
- Steel Terminal Box



Wilo Star

Residential Wet Rotor Circulators



Application

- Hot Water Heating Systems
- Cold Water
- Air-Conditioning Systems
- Water/Glycol concentrations up to 50%
- Solar
- Geothermal

Max. Flow

38 USGPM

Max. Head

32 feet

Features & Benefits

- Reliable wet rotor technology
- Quick connect wiring
- Powerful starting torque
- Ultra quiet

Technical Data

- Max Temp Range: 14°F to 230°F (-10°C to 110°C)
- Max Amb Temp: 104°F (40°C)
- Electrical Connection: 1~115v
- Max Working Pressure: 140 PSI (10 Bar)

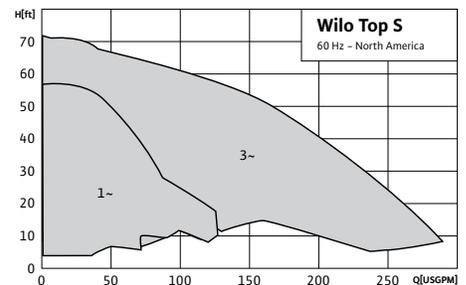
Materials of Construction

- Cast Iron Volute
- Engineered Composite Impeller
- Stainless Steel Shaft
- Carbon Impregnated Bearing
- Steel Terminal Box



Wilo Top S

Commercial Wet Rotor Circulators



Application

- All types of Hot Water Systems
- Closed Cooling Circuits
- Air Conditioning Systems
- Industrial Circulation
- Water/Glycol concentrations up to 50%
- Solar / Geothermal

Max. Flow

290 USGPM

Max. Head

70 feet

Features & Benefits

- No mechanical seal
- Quiet, low maintenance wet rotor circulator
- Two-speed operation on all voltages
- Cathaphoresis coating prevents corrosion
- Sturdy cast aluminum electrical box
- Short flange to flange dimension
- Most extensive wet rotor line in the industry!

Technical Data

- Max Temp Range: 14°F to 248°F (-10°C to 120°C)
- Amb Temp Range: 32°F - 104°F (0°C - 40°C)
- Electrical Connection: 1~115v, 230v
3~208-230v, 460v, 575v
- Max Working Pressure: 145 PSI (10 Bar)

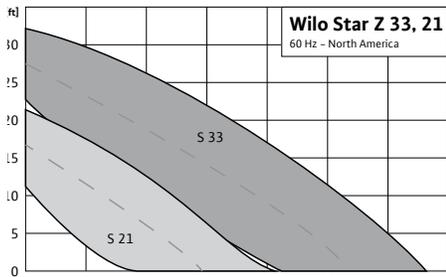
Materials of Construction

- Cast Iron, Cathaphoresis Coated Volute
- Engineered Composite Impeller
- Stainless Steel Shaft
- Impregnated Carbon Bearing
- Class H Insulation



Wilo Star Z

Stainless Steel 3 Speed Wet Rotor Circulator



Application

- Potable Water systems
- Air-Conditioning Systems
- Open Systems - Heating or Cooling
- Industrial Circulation
- Water/Glycol concentrations up to 50%
- Solar / Geothermal

Max. Flow

35 USGPM

Max. Head

33 feet

Features & Benefits

- Reliable wet rotor technology
- Quick connect wiring
- Powerful starting torque
- Ultra quiet

Technical Data

- Max Temp Range: 14°F to 230°F (-10°C to 110°C)
- Max Amb Temp: 104°F (40°C)
- Electrical Connections: 1~115v
- Max Working Pressure: 140 PSI (10 Bar)

Materials of Construction

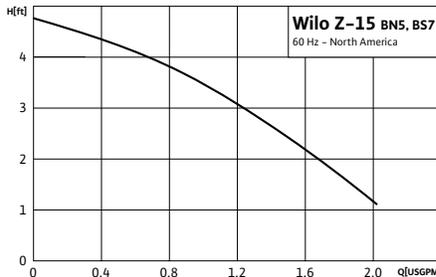
- Stainless Steel Volute & Shaft
- Engineered Composite Impeller
- Impregnated Carbon Bearing

*Less than 0.25% Lead content



Wilo Z-15

Domestic Hot Water Circulators



Application

- Domestic Hot Water Recirculation

Max. Flow

2 USGPM

Max. Head

5 feet

Features & Benefits

- NSF 61 / NSF 372 Certified
- Compact design
- 115v power cord included
- Magnetic drive design
- Optional digital timer available
- Conserves energy and water
- Safe and quick installation

Technical Data

- Max Temp Range: 68°F to 150°F (20°C to 65°C)
- Max Amb Temp: 104°F (40°C)
- Max Working Pressure: 145 PSI (10 Bar)

Materials of Construction

- NSF 61 / NSF 372 Certified Brass Volute
- Stainless Steel Shaft
- Engineered Composite Impeller
- Impregnated Carbon Bearing

*Less than 0.25% Lead content



Wilo DHW Accessories

JetValve, Digital Timer, Fitting Pack, & Aquastat

JetValve

- Mounts under the sink for instant hot water
- Adjustable temperature setpoint screw
- Conserves water

Digital Timer

- Weekly digital timer
- Large LCD display
- Conserves energy

JetConnect™ Fitting Pack

- Package of four (4) connectors to handle all types of piping
- Two (2) 1/2" SW x FNPT
- Two (2) 3/4" SW x FNPT
- Two (2) 3/4" SW x 1/2" SW Reducing Bushings
- Two (2) 3/4" Street Hub Copper Unions

Digital Timer

- Clips directly on the 3/4" pipe to control your DHW circulator
- 8' Line cord
- Turns on at 98°F (36°C)
- Turns off at 114°F (46°C)

*Less than 0.25% Lead content



Wilo ECC

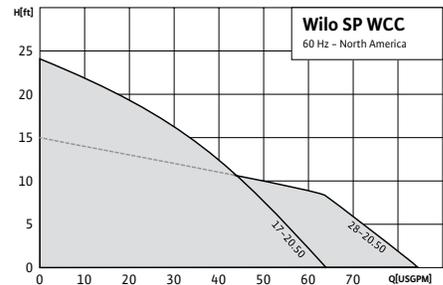
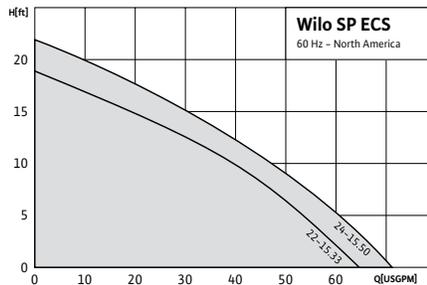
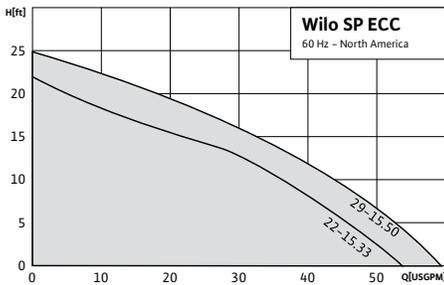
Submersible Sump Pumps

Wilo ECS

Submersible Sump Pumps

Wilo WCC

Sewage/Effluent Pumps



Application

- Sump & Effluent
- De-watering
- Drainage

Application

- Sump & Effluent
- De-watering
- Drainage

Application

- Residential Sewage & Effluent
- Drainage

Max. Flow

58 USGPM

Max. Flow

71 USGPM

Max. Flow

85 USGPM

Max. Head

25 feet

Max. Head

23 feet

Max. Head

24 feet

Features & Benefits

- Replaceable piggyback tether float switch for automatic operation
- Permanent split capacitor motor with automatic thermal overload protection
- 10' power cord included
- CSA certified

Features & Benefits

- Oil-filled motor for max heat dissipation
- Ideal for basement installations
- 10' power cord included
- CSA certified

Features & Benefits

- Replaceable piggyback tether float switch
- Oil-filled motor for maximum heat dissipation
- Built-in thermal overload protection
- 10' power cord included
- CSA certified

Technical Data

- Max Solids Handling: 3/8"
- Max Fluid Temp: 77°F (25°C)
- Electrical Connections: 1~115v
- 1 1/2" NPT Discharge (1/4" with adaptor)

Technical Data

- Max Solids Handling: 1/2"
- Max Temp: 77°F (25°C)
- Electrical Connections: 1~115v
- 1 1/2" Discharge (1/4" adaptor included)

Technical Data

- Max Solids Handling: 2" (WCC17); 3/4" (WCC28)
- Max fluid temperature 130°F (55°C)
- Electrical Connections: 1~115v
- 2" NPT Discharge

Materials of Construction

- Cast Iron Volute & Motor Housing
- Engineered Composite Impeller
- Stainless Steel Bottom-Screened Inlet

Materials of Construction

- Cast Iron Volute
- Stainless Steel Motor Housing
- Engineered Composite Impeller

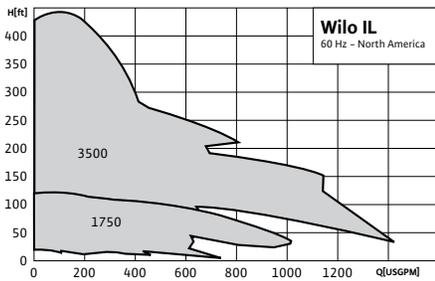
Materials of Construction

- Cast Iron Volute & Motor Housing
- Engineered Composite Impeller



Wilo IL

Inline Centrifugal Circulators



Application

- Hot Water Heating systems
- Closed Cooling Circuits
- Air Conditioning
- Industrial Circulation
- Solar
- Geothermal

Max. Flow

1450 USGPM

Max. Head

440 feet

Features & Benefits

- Integrated suction straightening vane
- Pump feet drilled and tapped
- 125# ANSI standard flanges
- Suction and discharge pressure gauge tappings
- Lifting eyes for easy installation

Technical Data

- TEFC motors standard (ODP available)
- Temp Range: -5°F to 285°F (-20°C to 140°C)
- Max Amb Temp: 104°F (40 °C)
- Electrical Connection: 1~115v, 230v
3~208-230v, 460v, 575v

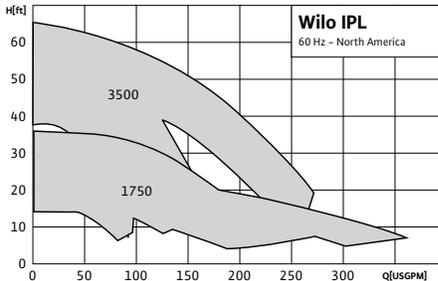
Materials of Construction

- Cast Iron, Cataphoresis Coated Volute
- Trimmable Bronze Impeller
- Stainless Steel Stub Shaft
- 2-Part Epoxy Paint



Wilo IPL

Inline Pumps



Application

- Hot Water Heating systems
- Closed Cooling Circuits
- Air Conditioning
- Industrial Circulation
- Solar
- Geothermal

Max. Flow

400 USGPM

Max. Head

65 feet

Features & Benefits

- Integrated suction straightening vane
- Pump feet drilled and tapped
- 125# ANSI standard flanges
- Suction and discharge pressure gauge tappings
- Lifting eyes for easy installation

Technical Data

- TEFC motors standard (ODP available)
- Temp Range: 15°F to 250°F (-10°C to 120°C)
- Max Amb Temp: 104°F (40 °C)
- Electrical Connection: 1~115v, 230v
3~208-230v, 460v, 575v

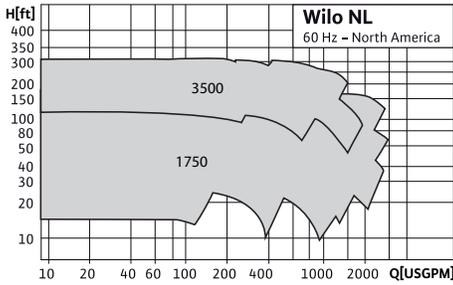
Materials of Construction

- Cast Iron, Cataphoresis Coated Volute
- Engineered Composite Impeller
- Stainless Steel Stub Shaft
- 2-Part Epoxy Paint



Wilo NL

Base Mount End Suction Pumps



Application

- Heating and Cooling Systems
- Transfer and Pressure Boosting
- Boiler Feed/Condensate
- Irrigation
- Industrial Applications

Max. Flow

2,500 USGPM

Max. Head

300 feet

Features & Benefits

- Back pullout design allows replacement of bearings and seals without disturbing the piping
- Three bearing bracket sizes for all models
- Confined gasket between cover and casing
- Maintenance-free ZZ bearings
- Improved hydraulics for reduced vibration
- Over 50 models available

Technical Data

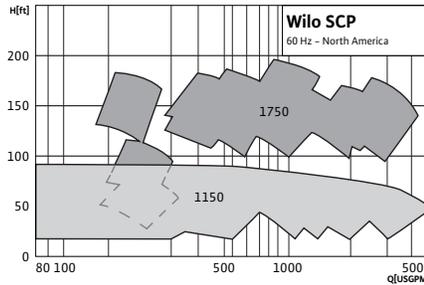
- Temp Range: -5°F to 250°F (-20°C to 121°C)
- Horsepower Range: 1-75HP (3500RPM)
½-200HP (1750RPM)
- Flange Size Range: 1¼" to 8"
- Max Pressure: 250 PSI

Materials of Construction

- Cast Iron Volute
- Bronze Impeller
- Stainless Steel Shaft
- C/SiC/EPDM Mechanical Seal (other seals available upon request)
- NEMA Standard Motors

Wilo SCP

Split Case Pumps



Application

- Heating and Cooling Systems
- Transfer and Pressure Boosting
- Boiler Feed/Condensate
- Municipal Water Supply
- Irrigation
- Industrial Applications

Max. Flow

5,000 USGPM

Max. Head

180 feet

Features & Benefits

- Horizontal split casing allows replacement of bearings and mechanical seal without disturbing the system piping
- Double suction design available for maximum efficiencies
- Hydraulically balanced double-suction impeller for minimal axial thrust
- Tongue & groove neck ring design eliminates seizing of rotating assembly
- Pump shaft guards

Technical Data

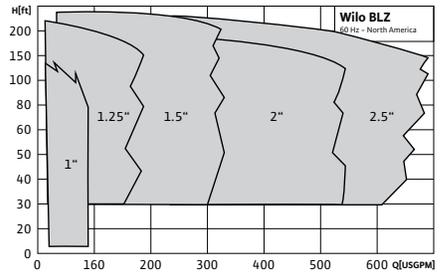
- Temp Range: 18°F to 250°F (-8°C to 120°C)
- Available in sizes up to 500HP

Materials of Construction

- 9 different material specs available
- 8 different seal types available
- Standard Configuration: Cast Iron Volute, Bronze Impeller, Stainless Steel Shaft, C/SiC/EPDM Mechanical Seal, NEMA Standard Motors

Wilo BLZ

Block Line Stainless Steel Closed Coupling Pump



Application

- Heating and Cooling Systems
- Water Supply Systems
- Sprinkler/Flow Irrigation
- Pressure Boosting
- Municipal Water
- Heat Exchanger

Max. Flow

900 USGPM

Max. Head

290 feet

Features & Benefits

- NSF 61 / NSF 372 Certified
- Close coupled design that saves space
- Can be installed horizontally or vertically
- Centerline discharge and foot support under casing
- High operating efficiency which lowers operating costs

Technical Data

- Temp Range: 212°F (100°C)
- Max. Working Pressure 230 PSI (15 Bar)
- Electrical Connections: 1~115/230V
3~ 208v, 230/460V

Materials of Construction

- 304 Stainless Steel Casing and Impeller
- Stainless Steel Shaft

*Less than 0.25% Lead content



Wilo COR 2, 3, 4 – Pump

Pressure Boosting Systems



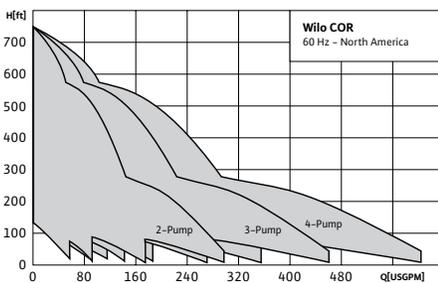
Wilo Helix

Vertical Multistage Pumps



Wilo MVI

Vertical Multistage Pumps



For use in water supply applications requiring constant pressure, such as:

- Residential, Commercial & Industrial Buildings
- Hotels & Hospitals
- Department Stores
- Sports Arenas
- Washing / Irrigation

Max. Flow

540 USGPM

Max. Head

800 feet

Features & Benefits

- Factory-programmed, packaged system
- Compact design for easy installation/retrofit
- User-friendly, multi-language LCD display
- Low maintenance costs
- System monitoring records performance
- Fixed or alternating base load pump
- Balanced run time across all pumps

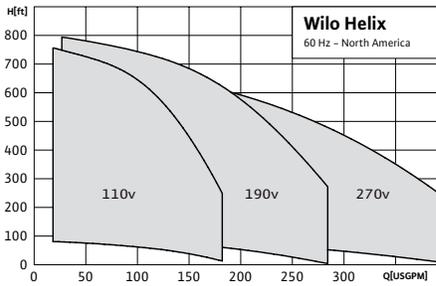
Technical Data

- CC Controller – NEMA 12
- VFD-Controlled Base Load Pump
- 4–20 mA, ¼" SS Pressure Transducers
- Max System Pressure: 363 PSI
- Fluid Temp Range: 30°F to 200°F (-1°C to 120°C)

Materials of Construction

- Stainless Steel Pump Volute, Impeller, Shaft & Header
- EPDM Elastomers
- Carbon/Tungsten Carbide, SiC/Carbon Mechanical Seal
- Tungsten Carbide/Ceramic Bearing

*Less than 0.25% Lead content



Application

- Water Supply / Pressure Boosting
- Condensate Return
- Boiler Feed
- Washing / Sprinkling
- Process Engineering
- Cooling Circuits

Max. Flow

380 USGPM

Max. Head

800 feet

Features & Benefits

- Cartridge seal designed for easy service
- 3D impellers for improved efficiency
- Floating flanges for easy installation
- Standard EISA compliant TEFC motors
- Integrated thrust bearing reduces motor stress

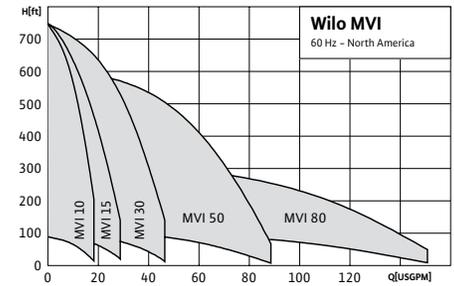
Technical Data

- Temp Range 4°F to 248°F (-15°C to 120°C)
- Electrical Connections: 3~230/460/575v
- Flange Connection: 250# ANSI
- TEFC motors standard (ODP available on request)

Materials of Construction

- 304L SS or 316 SS construction available
- Stainless Steel Impeller, Shaft, Pressure Shroud & Pump Base
- EPDM/FKM Elastomers
- Optional Mechanical Seals Available
- Tungsten Carbide/Ceramic Bearing

*Less than 0.25% Lead content



Application

- Water Supply / Pressure Boosting
- Condensate Return
- Boiler Feed
- Washing / Sprinkling
- Process Engineering
- Cooling Circuits

Max. Flow

150 USGPM

Max. Head

750 feet

Features & Benefits

- 304 Stainless steel construction on parts in contact with fluid
- Standard TEFC NEMA frame Baldor motors
- EPDM/Viton® mechanical seals
- Heavy duty pump base
- Both Oval and ANSI flanges available

Technical Data

- Temp Range: -5°F to 250°F (-20°C to 121°C)
- Electrical Connections: 1~115/230v 3~230/460/575v
- 1¼" 250# ANSI (not included) or 1" FNPT Oval Flanges (included) Flange Connection
- TEFC motors standard (ODP available on request)

Materials of Construction

- Stainless Steel Volute, Impeller & Shaft
- Carbon/tungsten Carbide, SiC/Carbon, EPDM Elastomers Mechanical Seal

*Less than 0.25% Lead content



Wilco WXT, WAS, WAV

Expansion Tanks, Air Scoops, Air Vent

Application

- Heating Systems
- Cooling Systems
- HVAC

Expansion Tanks

- Controls system pressure in closed systems
- Available in 2.0 & 4.4 Gal. models
- ½" NPT Connection
- Quick and easy Installation
- Pre-charged to 12 PSI
- Max Working Pressure: 100 PSI
- Max Temp: 240°F (116°C)

Air Scoops

- Quietly separates air from your hydronic system
- Available in ¾", 1", and 1¼" FNPT connections
- Tapped for 1/8" air vent and ½" expansion tank
- Maintenance free, cast iron construction



Wilco JetConnect™

Flanges and Accessories

Application

- Heating Systems
- Cooling Systems
- HVAC

Cast Iron Flanges

- Residential FNPT cast iron flanges (¾", 1", 1¼", 1½")
- HV cast iron FNPT flanges (1", 1½", 2")
- Wilco cast iron FNPT "Check Flange" kit (¾", 1", 1¼")

Bronze Flanges

- All: Lead Free
- Residential FNPT bronze flanges (¾", 1", 1¼")
- Residential SWT bronze flanges (¾", 1")
- HV bronze flanges (1", 1¼", 2")



Wilco JetConnect™

Swivel Flange Ball Valves

Application

- Heating Systems
- Cooling Systems
- HVAC

Swivel Flange Ball Valves

- Residential FNPT/SWT w check (¾", 1", 1¼", 1½")
- Residential FNPT/SWT w purge and check (¾", 1", 1¼", 1½")
- HV FNPT/SWT (1¼", 1½")
- HV SWT w purge (1¼", 1½")

*Less than 0.25% Lead content



Wilo Helix Excel

Water Management

Pumps and pump systems for water supply, sewage disposal and sewage treatment in municipal buildings.



Wilo FA

Section Overview

Water Management:

Contents

Submersible / Sewage Pumps

from page 22

MTS, FA, EMU Port, KS, KPR, RZP

Mixers

from page 24

Miniprop, Uniprop, Megaprop/Maxiprop

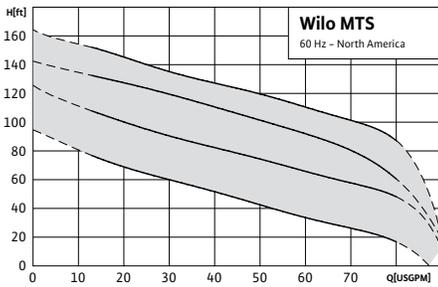


Ask about Wilo GPS! -
Guaranteed 2-week delivery on
select FA models!



Wilo MTS

Submersible Sewage Pumps with
Macerator



Application

- Solids Maceration
- Sewage Handling
- Drainage
- Wastewater Treatment

Max. Flow

80 USGPM

Max. Head

165 feet

Features & Benefits

- Cutter design yields fine solids for nonclogging operation
- Highly efficient design means low operating costs
- Stainless steel casing for maximum corrosion resistance
- Explosion protection on MTS40 E models
- 25' cable included

Technical Data

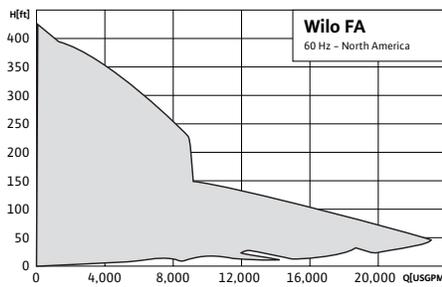
- Electrical Connections: MTS 40/95: 1~230v
MTS 40/95 - MTS 40/165: 3~230v & 460v
- Temp Range: 37°F - 104°F (3°C - 40°C)
- Insulation class F

Materials of Construction

- Cast Iron Volute & Impeller
- Stainless Steel Macerator, Shaft & Motor Housing

Wilo FA

Submersible Sewage Pumps



Application

- Sewage Collection
- Storm Water
- Raw Water
- Sewage Treatment
- Dewatering
- Industry

Max. Flow

23,000 USGPM

Max. Head

420 feet

Features & Benefits

- Rugged design for portable, wet pit, and dry well installation
- Shaft - Short overhang / large diameter
- L3/D4 Shaft Bending Ratio lowest in industry
- Continuous operation possible in Q vs H curve extremes
- Internally closed loop cooled motors available

Technical Data

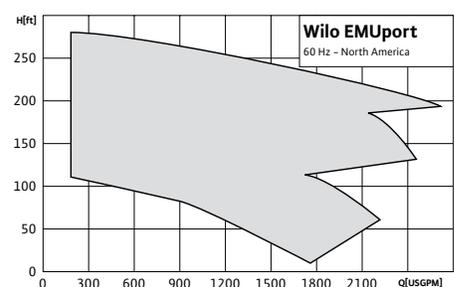
- S1 Operating Mode (continuous duty)
- Protection class: IP 68
- Max Temp: 104°F (40°C) (higher temperatures on request)
- Silicon carbide mechanical seals

Materials of Construction

- Cast Iron Volute (standard)
- Stainless Steel Standard Shaft
- Optional Materials of Construction and Coatings Available

Wilo EMUport

Solids Separation System



Application

- Solid separation for untreated sewage that cannot be discharged to the sewer system

Max. Flow

25,000 USGPM

Max. Head

265 feet

Features & Benefits

- Low maintenance and operating costs
- System remains fully functional during maintenance
- Solids separation system includes: Collection reservoir, 2x solids tank, 2x sewage pumps & complete piping network

Technical Data

- Pumps stations ready for connection
- With dry-mounted sewage pumps and solids separation system
- Available in shaft- (MS, FS) or building version (MG, FG)

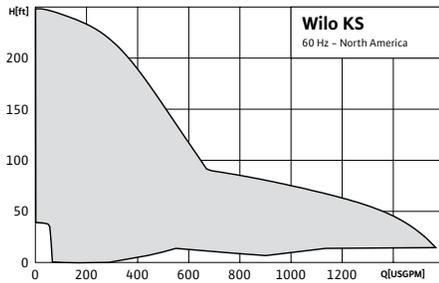
Materials of Construction

- Underground Pumping Station Made of PEHD



Wilo KS

Submersible Drainage Pumps



Application

- For drainage of excavation pits
- Basements
- Pits and basins
- Fountains

Max. Flow

1,550 USGPM

Max. Head

250 feet

Features & Benefits

- Submersible drainage pumps in rugged design for use on building sites
- Mechanical seal independent of direction of rotation
- Heavy-duty motors (oil-filled and dry) ensure permanent operation even with non-immersed motor
- Corrosion-resistant components

Technical Data

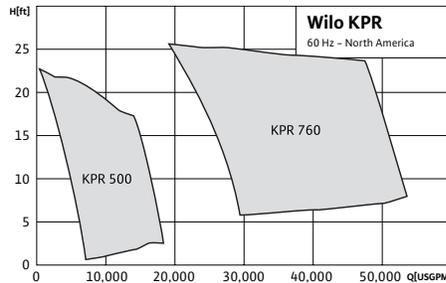
- S1 Operating Mode (continuous duty)
- Max Temp: 104°F (40°C)
- Protection class IP 68
- Sealed by double mechanical seal
- Maintenance-free roller bearing

Materials of Construction

- Normal Cast Iron version
- Optional wear protection due to ceramic coating
- Optional Abrasit pump coating available
- With Ex protection, depending on type

Wilo KPR

Submersible Sewage Pumps



Application

- Storm Water
- Cooling Water
- Cleaned sewage
- Irrigation
- Sludge

Max. Flow

52,000 USGPM

Max. Head

26 feet

Features & Benefits

- Submersible axial flow propeller pump
- Special materials and coatings against abrasion and corrosion
- Longitudinally watertight cable lead-in
- Angle of propeller blades adjustable by hand

Technical Data

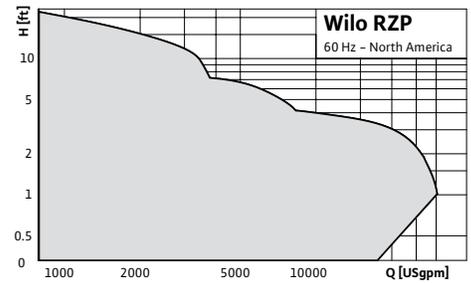
- Submerged operating mode: S1 (continuous duty)
- Max Temp: 104°F (40°C), higher temperatures on request
- Protection class: IP 68

Materials of Construction

- Heavy-duty version made of Cast Iron
- Stainless Steel Propeller
- Silicon Carbide Mechanical Seals

Wilo RZP

Recirculation Pumps



Application

- Low head water / sewage delivery at high flow rates
- Process, raw, pure and cooling water
- Generation of fluid current in water channels

Max. Flow

30,000 USGPM

Max. Head

17 feet

Features & Benefits

- Submersible
- Vertical or in-line design
- Self-cleaning propeller, partially with helix hub
- ATEX and FM versions

Technical Data

- Submerged operating mode: S1 (continuous duty)
- Max Temp: 104°F (40°C)
- Protection class: IP 68
- Units are directly driven or with single stage planetary gear

Materials of Construction

- PUR or Stainless Steel Propeller



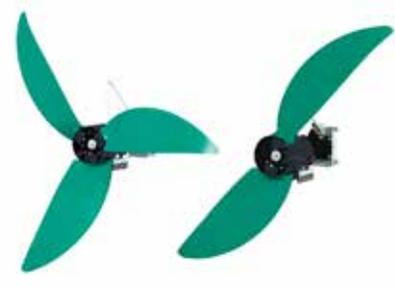
Wilo Miniprop

Submersible Mixers



Wilo Uniprop

Submersible Mixers with Planetary Gear



Wilo Megaprop/Maxiprop

Submersible Mixers with Planetary Gear

Application

- Mixing deposits and solids in rain spillway basin and pump sump
- Breaking down of sludge layers
- Agriculture
- Water supply
- Wet Wells

Thrust

11–74 lbf (45 – 330 N)

Features & Benefits

- Compact directly driven submersible mixer
- Stationary installation on walls and floors
- Can be swiveled vertically and horizontally for installation with lowering device
- ATEX and FM versions
- Self-cleaning propeller with helix hub
- Easy-to-install propeller attachment

Technical Data

- Submerged operating mode: S1 (continuous duty)
- Max Temp: 104°F (40°C)
- Protection class: IP 68
- Permanently lubricated anti-friction bearing

Materials of Construction

- Stainless Steel Motor Shaft (optional)
- PUR or Stainless Steel Propeller
- SiC/SiC Combination Mechanical Seal

Application

- Creation of fluid current in activated sludge tanks
- Suspension of solids
- Prevention of floating sludge layers
- Industry & Agriculture
- Water supply
- BNR

Thrust

78 – 886 lbf (350 – 3940 N)

Features & Benefits

- Stationary installation on walls
- Flexible installation
- Single-stage planetary gear for adjusting the propeller speed
- Self-cleaning propeller
- Easy-to-install propeller attachment
- Type "TRE" with IE3 performance optimized motors
- ATEX and FM versions

Technical Data

- Submerged operating mode: S1 (continuous duty)
- Max Temp: 104°F (40°C)
- Protection class: IP 68
- Single-stage planetary gear
- Permanently lubricated anti-friction bearing

Materials of Construction

- Steel, PUR or PUR/GFK Propeller
- Stainless Steel Gear Shaft
- SiC/SiC Combination Mechanical Seal

Application

- Mixing and circulation of activated sludge
- Flow generation in water channels
- Industry
- Oxidation Ditches

Thrust

406 – 976 lbf (470 – 4340 N)

Features & Benefits

- Slow-running submersible mixer with two-stage planetary gear
- Flexible installation
- 2-stage planetary gear for adjusting the propeller speed
- Self-cleaning propeller
- Propeller blades can be replaced individually
- Easy-to-install blades and hub
- ATEX and FM versions

Technical Data

- Submerged operating mode: S1 (continuous duty)
- Max Temp: 104°F (40°C)
- Protection class: IP 68
- Two-stage planetary gear with exchangeable second planetary stage
- Permanently lubricated anti-friction bearing

Materials of Construction

- GFK Propeller
- Stainless Steel Gear Shaft
- SiC/SiC Combination Mechanical Seal



Wilo GPS

Guaranteed Product Shipment

10 DAYS OR LESS GUARANTEED!

The Guaranteed Pump Shipment (GPS) program is an industry first! Engineered wet-pit and dry-pit submersible pumps, from 3 to 57 HP, built to order and deliver in 10 business days or less. Need a replacement sooner? Ask about our 1 week fast-track adder. Put Wilo to the test! Should we miss the shipment deadline, we'll credit you 10% of the purchase price. Contact us at GPS@wilo-usa.com for more information.

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Wilo FA Pumps / Standard 3", 4", 6"

Pioneering for You

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Groundwater

Submersible pumps for water supply from water wells, agriculture, dewatering and industrial applications.



Wilo TWU 4

Section Overview

Groundwater:

Contents

Submersible Pumps

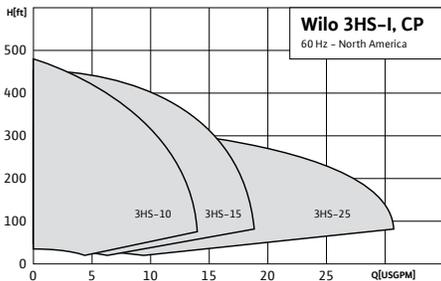
from page 28

3HS, TWI, TWU, Motors, Accessories, Borehole, Bottom Intake



Wilo 3HS

3" High-Speed Submersible Pumps with Noryl Impellers



Application

- Potable Water Supply
- Irrigation
- Municipal
- Pressure Boosting
- Agriculture
- Industrial Process

Max. Flow

31 USGPM

Max. Head

475 feet

Features & Benefits

- High-speed 8400 RPM rewindable motor
- Available in Constant Pressure (CP) and Integrated (I) models
- Integrated check valve
- Frequency converter included on CP models
- Vertical and horizontal installation possible

Technical Data

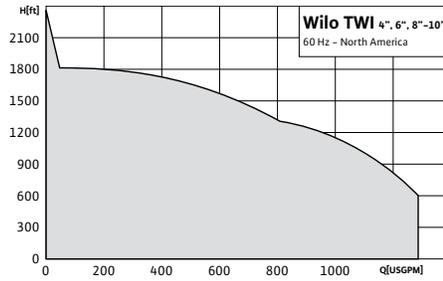
- Electrical Connections: 1~230v
- Temp Range: 37°F to 95°F (3°C to 35°C)
- Max Sand Content: 50 ppm
- Max Immersion Depth: 500'
- Max Number of Starts: 30 /h
- Protection Class: IP 58

Materials of Construction

- 304 SS Construction
- Noryl Impellers

Wilo TWI

4"–10" Stainless Steel Submersible Well Pumps



Application

- Potable Water Supply
- Irrigation
- Municipal
- Pressure Boosting
- Agriculture
- Industrial Process

Max. Flow

1,350 USGPM

Max. Head

2,200 feet

Features & Benefits

- Vertical and horizontal installation possible
- Motors up to 250 HP
- Control boxes and VFD's available
- NEMA standard mounting specs
- High quality shaft bearings
- Check valve standard on all model
- Additional models available on request

Technical Data

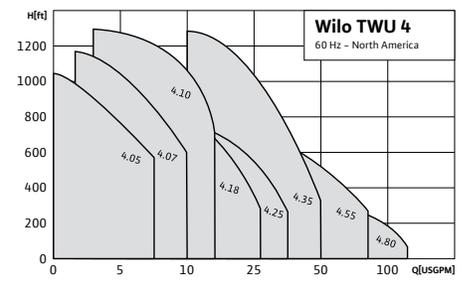
- Electrical Connection: 1~115/230v
3~230/460/575v
- Temp Range: 37°F to 122°F (3°C to 50°C)
- Max Sand Content: 50 ppm
- Max Immersion Depth: 1000'
- Protection Class: IP 68

Materials of Construction

- Stainless Steel Construction
- Carbon / Graphite / PTFE Stop Ring
- Stainless Steel / NBR Neck Ring
- NBR Bearing

Wilo TWU

4" Submersible Well Pumps with Noryl Impellers



Application

- Potable Water Supply
- Irrigation
- Municipal
- Pressure Boosting
- Agriculture
- Industrial Process

Max. Flow

110 USGPM

Max. Head

1,250 feet

Features & Benefits

- Noryl impellers for maximum wear and abrasive resistance
- High quality shaft bearings for long life and easy installation
- Optional VFD's and control boxes available
- NEMA standard mounting specifications
- Vertical and horizontal installation possible
- Check valve standard on all models
- Additional models available on request

Technical Data

- Electrical Connection: 1~115/230v
3~230/460/575v
- Temp Range: 37°F to 95°F (3°C to 35°C)
- Max Sand Content: 50 ppm
- Max Immersion Depth: 1000'
- Protection Class: IP 68

Materials of Construction

- Stainless Steel Construction
- Noryl Impellers & Shaft Sleeve
- Glass-Filled Polycarbonate Bearing Spider & Diffuser
- NBR O-Ring
- Polyacetal Bearing



Wilo Submersible Motors

4"-16" Submersible Motors

Wilo Submersible Accessories

Control Boxes, Variable Frequency Drives, Pump Panels

4" Standard Submersible Motors

- Stainless steel for Maximum corrosion resistance
- Coal Bed Methane Series available for aggressive applications
- Equipped with surge arrestors on 115/230v models
- Automatic thermal overload protection
- Efficient 2-wire motors
- Electrical Connections: 1~115/230v and 3~230/460/575v
- Max Temp: 86°F (30°C)
- 48" cable length for ½-1½ HP models
- 100" cable length for 2+ HP models
- 6"-10" Standard Submersible Motors

Control Boxes

- Standard
- Deluxe
- Deluxe CSCR
- Deluxe (6")

6"-10" Standard Submersible Motors

- Electrical Connections: 3~230/460/575/1000v
- NEMA standard flange
- Standard Temp: 95°F (35°C)
- High Temp: 176°F (80°C)
- NEMA splined shaft
- pH 6.5-8.0
- Durable stainless steel motor housing, 304 & 316 available

Variable Frequency Drives

- Max Amb Temp: 104°F (40°C)
- Max Altitude: 3300' (1000m)
- Protection Class: IP55 (NEMA 4)
- 4 Digital input, N.O. or N.C (settable) , for motor run and motor stop
- RS485 serial communication

6"-16" NU Rewindable Submersible Motors

- Rewindable motor stator
- Voltages up to 6000v
- Hi-Temp models available
- Custom power cable lengths
- Cast Iron, 304 Stainless Steel, 316 Stainless Steel, Bronze, and Duplex Stainless Steel configurations available
- Optional PT100 thermistor
- High-quality thrust bearings
- Water-filled design

Wilo Pump Panel

- NEMA type 3R steel enclosure with powder coating finish
- Full gasket hinged door with provision for padlocks
- UL listed and suitable for use as service equipment
- Heavy duty flange Fusible disconnect switch.
- NEMA Full voltage magnetic motor starter.

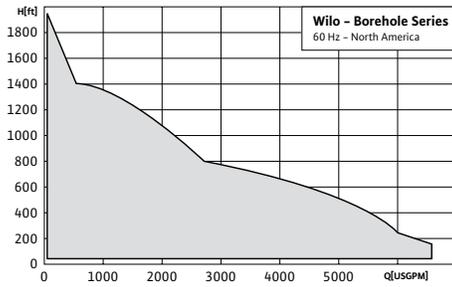


Wilo Borehole Series

Up to 24"



Wilo Bottom Intake Series



Application

- Water Supply from boreholes and cisterns
- Process water supply
- Municipal & industrial water supply
- Sprinkling, Irrigation, Geothermal & Offshore
- Pressure boosting
- Dewatering

Max. Flow

6,500 USGPM

Max. Head

1,950 feet

Features & Benefits

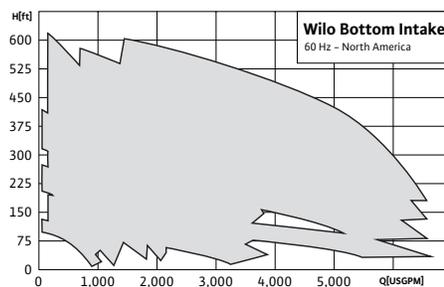
- Up to 24" diameters available
- Water pumping with large volume flows
- Trimmable impellers
- Motors with CoolAct™ technology for high power density (from 10" motors on)
- High voltage up to 6000v possible
- Vertical and horizontal installation possible
- Pressure shroud installation option

Technical Data

- Immersed Operating Mode: S1
- Max Temp: 122°F (50°C)
- Min Flow at Motor: 0.33...1.64 f/s
- Max Immersion Depth: 100 or 300/350 %
- Protection Class: IP 68

Materials of Construction

- Ceram Coating available for increased durability
- Corrosion-Resistant Impellers
- Wear-Resistant GI Bushing (depending on type)
- Special Materials Available



Application

- Potable and Process Water from tanks or shallow areas
- Municipal and Industrial Water Supply
- Sprinkling and Irrigation
- Dewatering
- Geothermal Energy & Offshore

Max. Flow

5,000 USGPM

Max. Head

524 feet

Features & Benefits

- Self-cooling design
- Compact design
- Rewindable motors
- Trimmable Impellers
- Hydraulics and motor configurable according to power requirements
- Rewindable Motors

Technical Data

- Max Temp: 68°F (20°C)
- Max Immersion Depth: 984 ft
- Protection Class: IP 68

Materials of Construction

- Ceram Coating available for increased durability

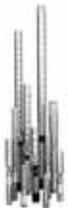
“Wilo has a choice on submersible motors?”

“Actually, a lot of them...”



Now you have a choice when it comes to submersible motors from Wilo, the brand setting the standard for technical performance and efficiency. What a lineup in motors! 4” to 10 hp – 6” & 7” to 75 hp – 8” to 125 hp – 10” to 250 hp and Wilo CoolAct 1000 hp+! Wilo’s submersible product line offers you, the professional, all the choice you need! Find out more. Call or visit our website for more information.

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**Wilo - TWI 4” to 10”
Stainless Steel Sub-
mersible Well Pumps**



**Wilo - WSM 7” to 10”
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