

Pioneering for You

wilo®

آتور صنعت
ATOORSANAT

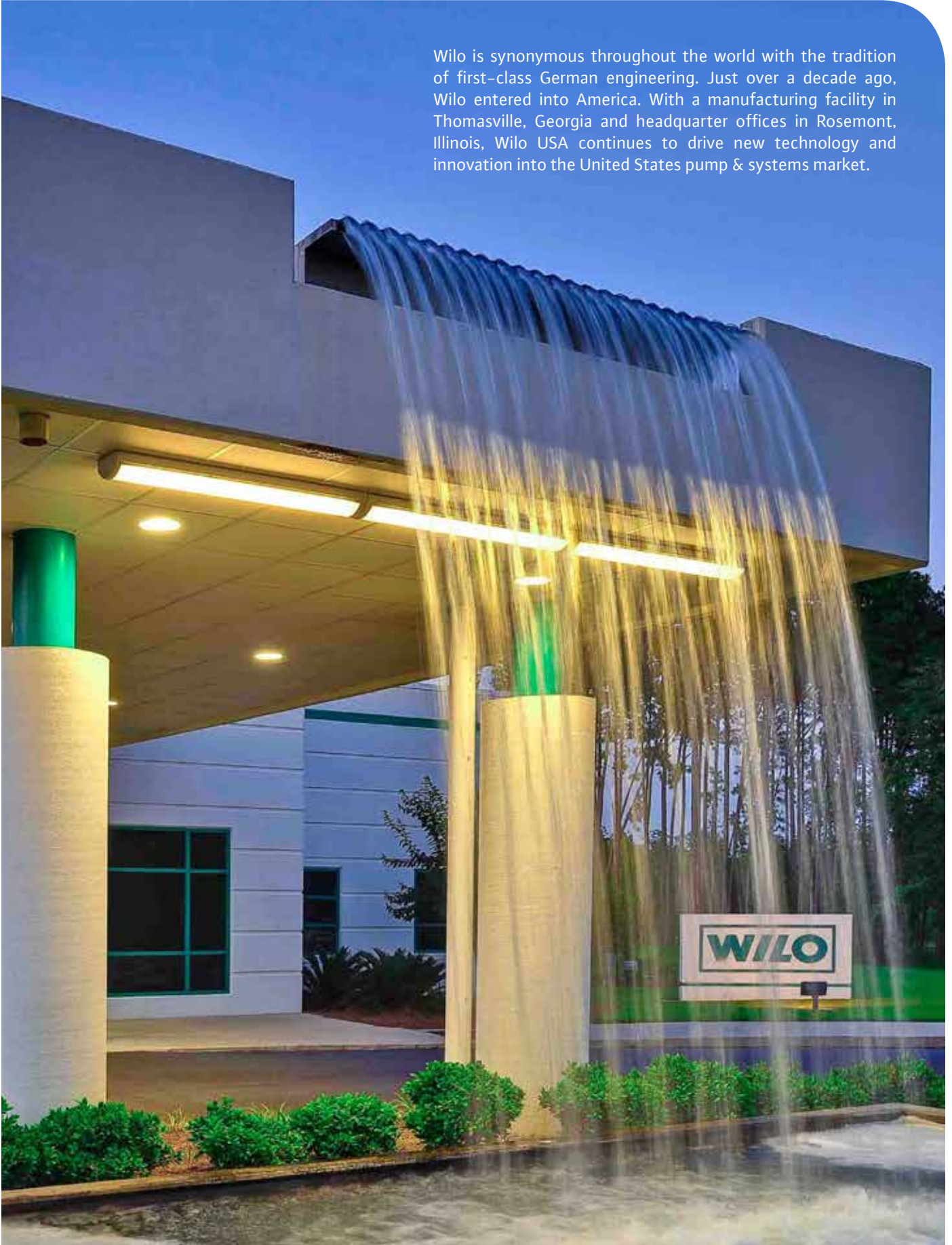
2015 - North America 60 Hz.

Wilo Product Catalog

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



Wilo is synonymous throughout the world with the tradition of first-class German engineering. Just over a decade ago, Wilo entered into America. With a manufacturing facility in Thomasville, Georgia and headquarter offices in Rosemont, Illinois, Wilo USA continues to drive new technology and innovation into the United States pump & systems market.



**"We develop
technology to
make your life
easier,**

**that's what I call
Pioneering for you."**

Dr. Markus Beukenberg,
Chief Technical Officer,
WILO SE Dortmund, Germany



Wilo Select 4 online for Building Services is now available and easier than ever. With reliable product selections and hydraulic calculations, this new selection software will help you find the Wilo pump you are looking for.

us.wilo-select.com



Select 4 online
The pump consultant

Building Services

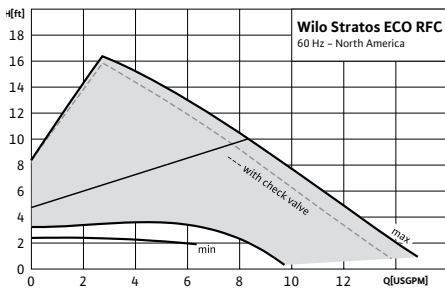
Pumps and pump systems for heating, air conditioning, cooling, pressure boosting, water supply and sewage disposal in domestic households, rented accommodation, administrative and commercial buildings.





Wilo Stratos ECO RFC

High Efficiency Wet Rotor Circulators



Application

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

Max. Flow

14 USGPM

Max. Head

16 feet

Features & Benefits

- Patented 360° Flange rotates to 12/6 or 3/9 o'clock positions (US 8,297,664 B2)
- 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

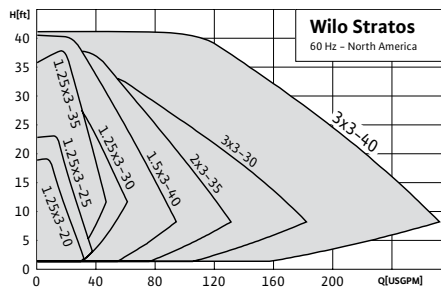
Materials of Construction

- 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
- 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, ΔP-C, ΔP-T speed control or external signals with IF module.
- Temp Range: 14°F to 230°F (-10°C to 110°C)
- Electrical Connection: 1~208/230v (+/- 10%)

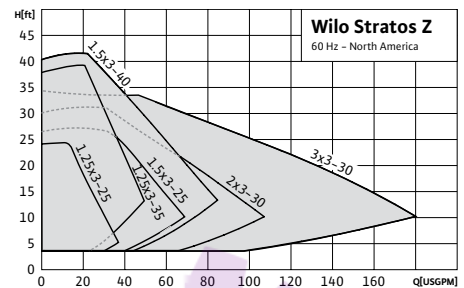
Materials of Construction

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



Wilo Stratos Z

High Efficiency DHW Circulators



Application

- Potable Water
- Domestic Hot Water
- Closed Cooling Circuits
- HVAC Systems
- 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
- Built in overload fault contacts (opens on over/under voltage, dry run, locked rotor, overload and over temperature)

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%)

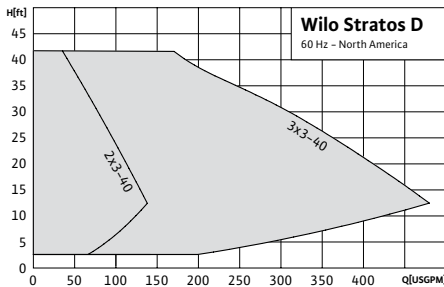
Materials of Construction

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



Wilo Stratos D

High Efficiency Circulators



Application

- Hot Water Heating Systems
- 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%
- 'Red Button' technology and LED display
- Lead/Lag operation with auto 24-hr alternation
- Dual-volute design cuts installation costs by up to 50%
- Optimized peak load operation

Technical Data

- ΔP -V, ΔP -C, ΔP -T speed control or external signals with IF module.
- Temp Range: 14°F to 230°F (-10°C to 110°C)
- Electrical Connection: 1~208/230v (+/- 10%)

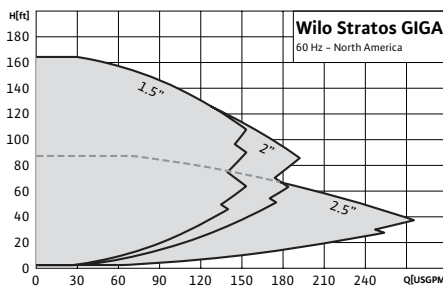
Materials of Construction

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



Wilo Stratos GIGA

High Efficiency Inline Circulators



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
- Compact, Space-saving design
- 'Red Button' technology and LED display
- Various control modes: ΔPV , ΔPC , speed, 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

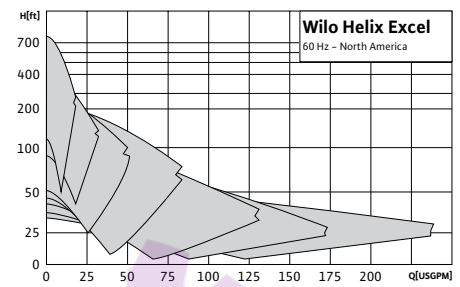
Materials of Construction

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



Wilo Helix Excel

High Efficiency Multistage Pumps



Application

- Water Supply and Pressure Boosting
- Process water
- Pressure 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
- Uses cartridge seal for easy maintenance
- 'Red Button' technology and LED display
- Various control modes: ΔPV , ΔPC , speed, 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

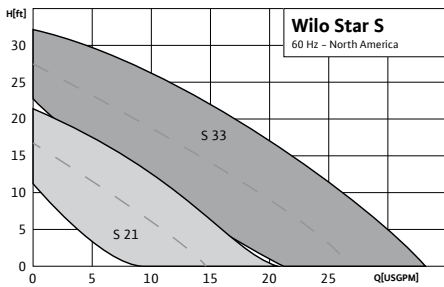
Materials of Construction

- 3-D Stainless Impellers
- Stainless Steel Volute, Shroud & Shaft
- Less than 0.25% Lead content



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)

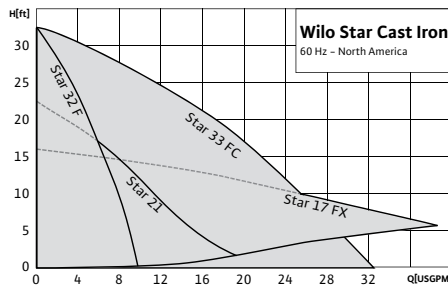
Materials of Construction

- 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

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 Connection: 1~115v
- Max Working Pressure: 140 PSI (10 Bar)

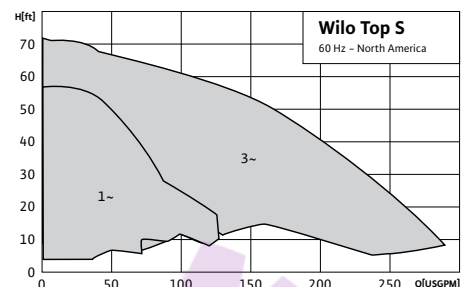
Materials of Construction

- 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

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)

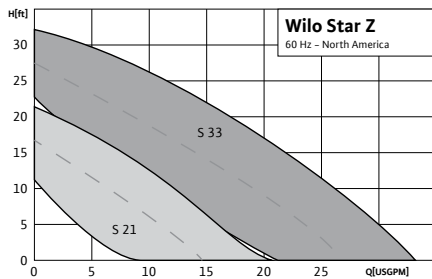
Materials of Construction

- 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)

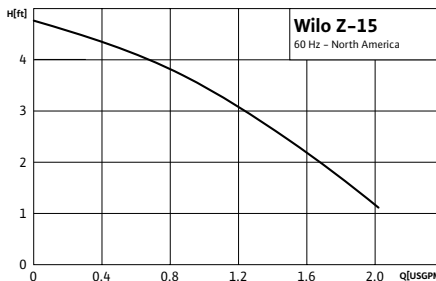
Materials of Construction

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



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
- Available in ¼" NPT, ½" NPT and ½" SWT

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



Wilo DHW Accessories

JetValve, Digital Timer, DHW 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

DHW Fitting Pack

- Package of four (4) connectors to handle all types of piping
- Two (2) ½" SW x FNPT
- Two (2) ¾" SW x FNPT
- Two (2) ¾" SW x ½" SW Reducing Bushings
- Two (2) ¾" Street Hub Copper Unions
- Less than 0.25% Lead content

Aquastat

- Clips directly on the ¾" pipe to control your DHW circulator
- 8' Line cord
- Turns on at 98°F (36°C)
- Turns off at 114°F (46°C)



Wilo ECC

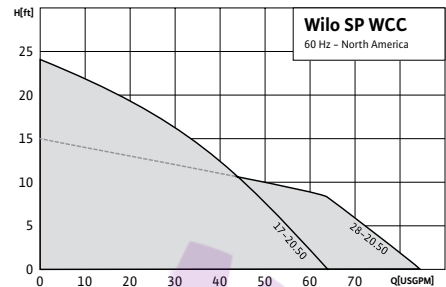
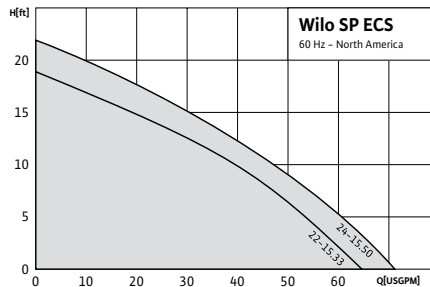
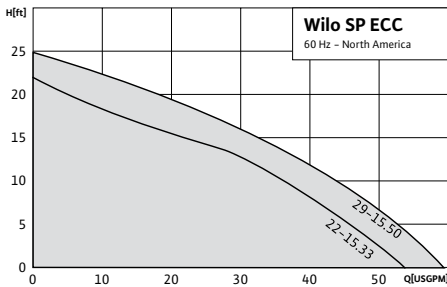
Submersible Sump Pumps

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 1/4" with adapter)

Technical Data

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



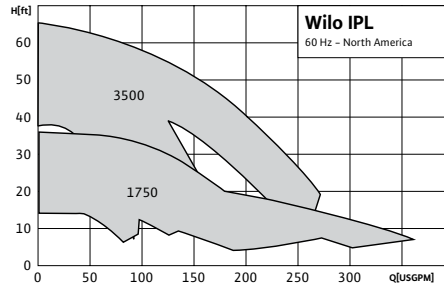
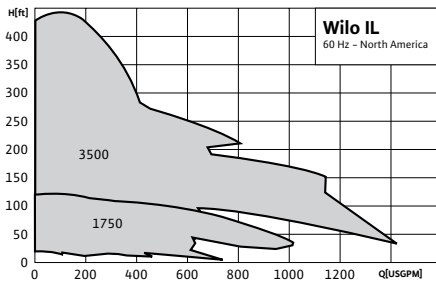


Wilo IL

Inline Centrifugal Circulators

Wilo IPL

Inline Pumps



Application

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

Application

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

Max. Flow

1450 USGPM

Max. Flow

400 USGPM

Max. Head

440 feet

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

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

Technical Data

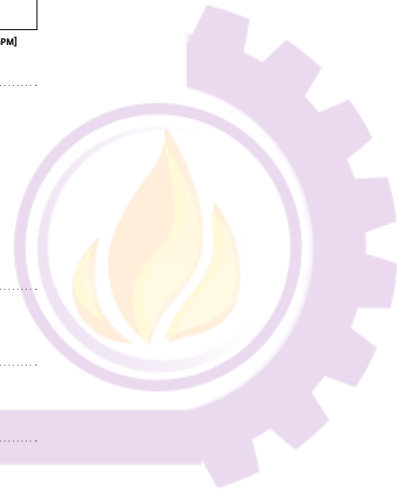
- TEFC motors standard (ODP available)
- Temp Range: 15°F to 250°F (-10°C to 120°C)
- Max Amb Temp: 104°F (40 °C)
- Electrical Connection: 1~115v, 230v
3~208-230v, 460v, 575v

Materials of Construction

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

Materials of Construction

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





Wilo NL

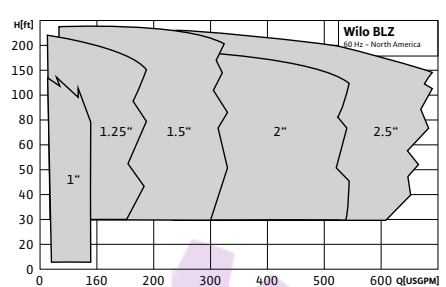
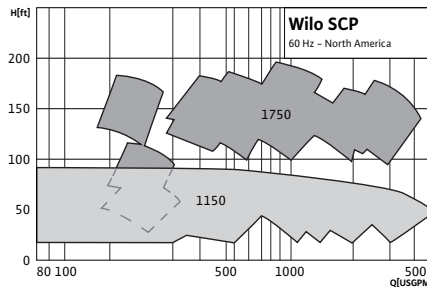
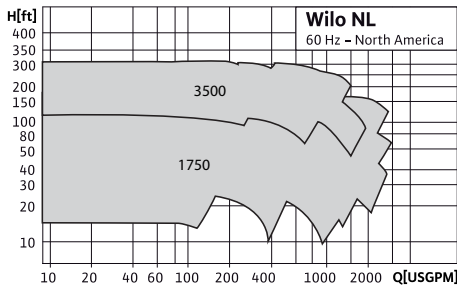
Base Mount End Suction Pumps

Wilo SCP

Split Case Pumps

Wilo BLZ

Block Line Stainless Steel Closed Coupling Pump



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

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

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~ 208-230/460/575v

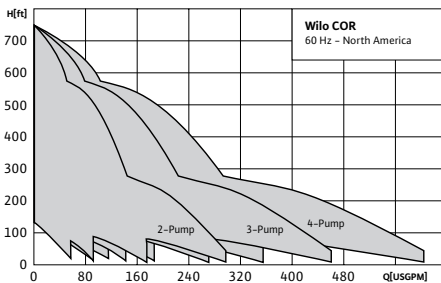
Materials of Construction

- 304 Stainless Steel Casing and Impeller
- Stainless Steel Shaft



Wilo COR 2, 3, 4 - Pump

Pressure Boosting Systems



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)

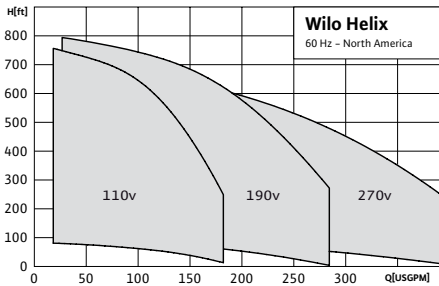
Materials of Construction

- 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



Wilo Helix

Vertical Multistage Pumps



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)

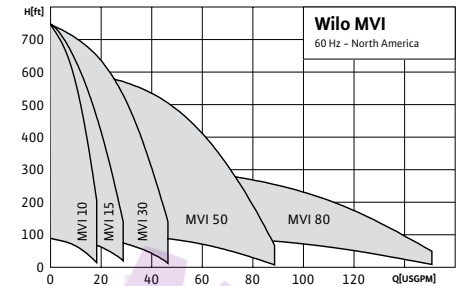
Materials of Construction

- 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



Wilo MVI

Vertical Multistage Pumps



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
- EPDM or 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, Viton® Elastomers Mechanical Seal
- Less than 0.25% Lead content



Wilo Accessories

Flanges and Accessories

Wilo Accessories

Ball Valves

Application

- Heating Systems
- Cooling Systems
- HVAC

Cast Iron Flanges

- Residential FNPT cast iron flanges
($\frac{3}{4}$ "", 1", 1 $\frac{1}{4}$ "", 1 $\frac{1}{2}$ "")
- HV cast iron FNPT flanges
(1", 1 $\frac{1}{2}$ "", 2")
- Wilo cast iron FNPT "Check Flange" kit
($\frac{3}{4}$ "", 1", 1 $\frac{1}{4}$ "")

Swivel Flange Ball Valves

- Residential FNPT/SWT w check
($\frac{3}{4}$ "", 1", 1 $\frac{1}{4}$ "", 1 $\frac{1}{2}$ "")
- HV FNPT/SWT
(1 $\frac{1}{4}$ "", 1 $\frac{1}{2}$ "")
- HV SWT w purge
(1 $\frac{1}{4}$ "", 1 $\frac{1}{2}$ "")

Bronze Flanges

- Lead free bronze
- Residential FNPT bronze flanges
($\frac{3}{4}$ "", 1", 1 $\frac{1}{4}$ "")
- Residential SWT bronze flanges
($\frac{3}{4}$ "", 1")
- HV bronze flanges
(1", 1 $\frac{1}{4}$ "", 2")

آتور صنعت
ATOORSANAT



Water Management

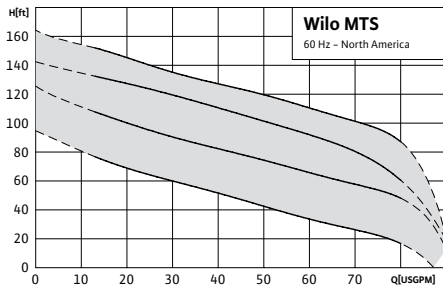
Pumps and pump systems for water supply, sewage disposal and sewage treatment in municipal buildings.





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

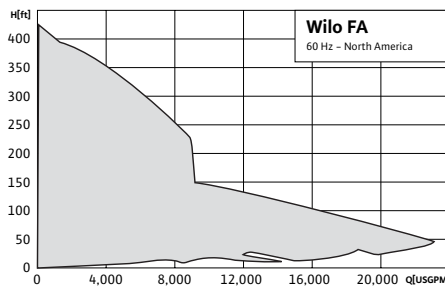
- Electrical Connections: MTS 40/95: 1~230v
MTS 40/95 - MTS 40/165: 3~230v & 460v
- Temp Range: 37°F - 104°F (3°C - 40°C)
- Insulation class F

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 FA Accessories

Solid Impeller, Block Seal, Materials, Designs

Solid Impeller

- Applications: high solids content (rags and fibrous), untreated sewage, local drainage
- Max head: 420 feet
- Max flow: 65 ft
- Smooth operation in wet and dry well installation
- Simple installation via suspension unit or pump base
- Impeller trimmed to specific duty point
- Free passage: 3x4 - 7x7 in (78x105 - 170x170 mm).
- Permanently lubricated roller bearings
- Longitudinally watertight cable inlet
- Power connections: 3~230 V, 3~460 V
- Optionally 200 V, 203 V, and 575 V

Enclosed Block Seal

Mechanical shaft seals of high wear-resistant silicon-carbide at the motor and pump-side integrated in a stainless steel cartridge

- Short height compact design (short shaft overhang)
- High operation safety
- Durable and long life
- Operation independent of the direction of rotation

Special Materials

- Wear-resistant materials and coatings
- Corrosion-resistant materials and coatings
- Ceram coatings

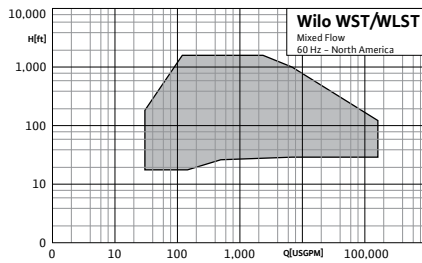
Special Designs

- Mechanical mixing head
- Grinder pumps
- Cast stainless steel
- High chrome cast iron



Wilo WST, WLST

Submersible Turbines, Line Shaft Turbines



Application

- Municipal/Industrial Water
- Power Generation
- Oil & Gas
- Mining
- Storm Water
- Irrigation and Sump

Max. Flow

132,000 USGPM

Max. Head

2,000 feet

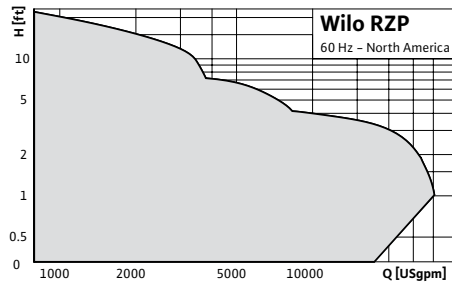
Features & Benefits

- Water, oil & grease lubrication options
- Configurations Include:
 - Vertical Solid Shaft Motor
 - Vertical Hollow Shaft (VHS) Electric Motor
 - Right Angle Gear Drive
 - Vertical Pully Assembly



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

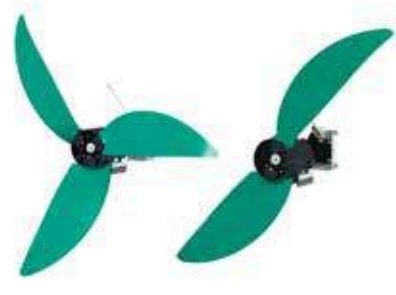
- Submersible, compact installation unit
- Vertical or in-line design
- Energy efficient, flow-optimized, self-cleaning propellers, partially with helix hub
- Low cost in-basin piping
- FM - Ex Rated
- Pump station wet wells are no longer necessary
- Easy installation and removal
- The special blade design provides gentle pumping of water, sewage and activated sludge

Technical Data

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

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

Application

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

Application

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

Thrust

11-74 lbf (45 - 330 N)

Thrust

78 - 886 lbf (350 - 3940 N)

Thrust

406 - 976 lbf (470 - 4340 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

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

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
- Permanently lubricated anti-friction bearing

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

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

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

Materials of Construction

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

Materials of Construction

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

Groundwater

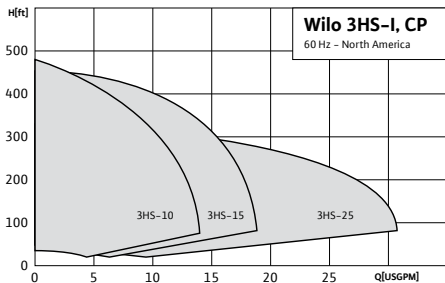
Submersible pumps for water supply from water wells, agriculture, dewatering and industrial applications, agriculture, dewatering and industrial applications.





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

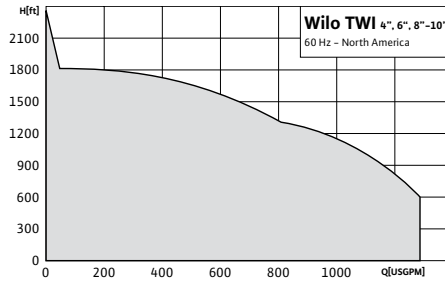
- Electrical Connections: 1~230v
- Temp Range: 37°F to 95°F (3°C to 35°C)
- Max Sand Content: 50 ppm
- Max Immersion Depth: 500'
- Max Number of Starts: 30 /h
- Protection Class: IP 58

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

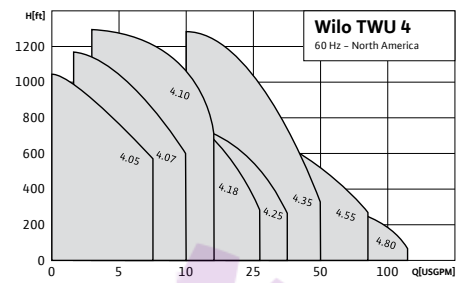
- Electrical Connection: 1~115/230v
3~230/460/575v
- Temp Range: 37°F to 122°F (3°C to 50°C)
- Max Sand Content: 50 ppm
- Max Immersion Depth: 1000'
- Protection Class: IP 68

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

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.



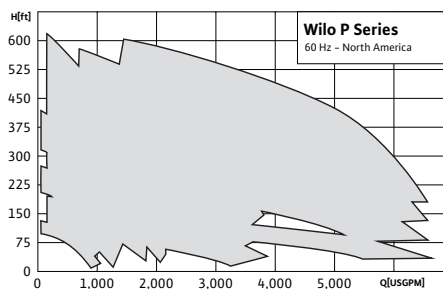
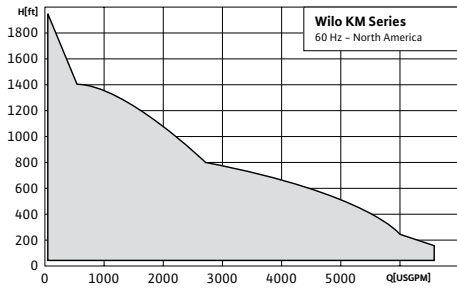


Wilo KM Series

Up to 24" Submersible Pumps

Wilo P Series

Bottom Intake



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

7,200 USGPM

Max. Head

620 feet

Features & Benefits

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

Technical Data

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

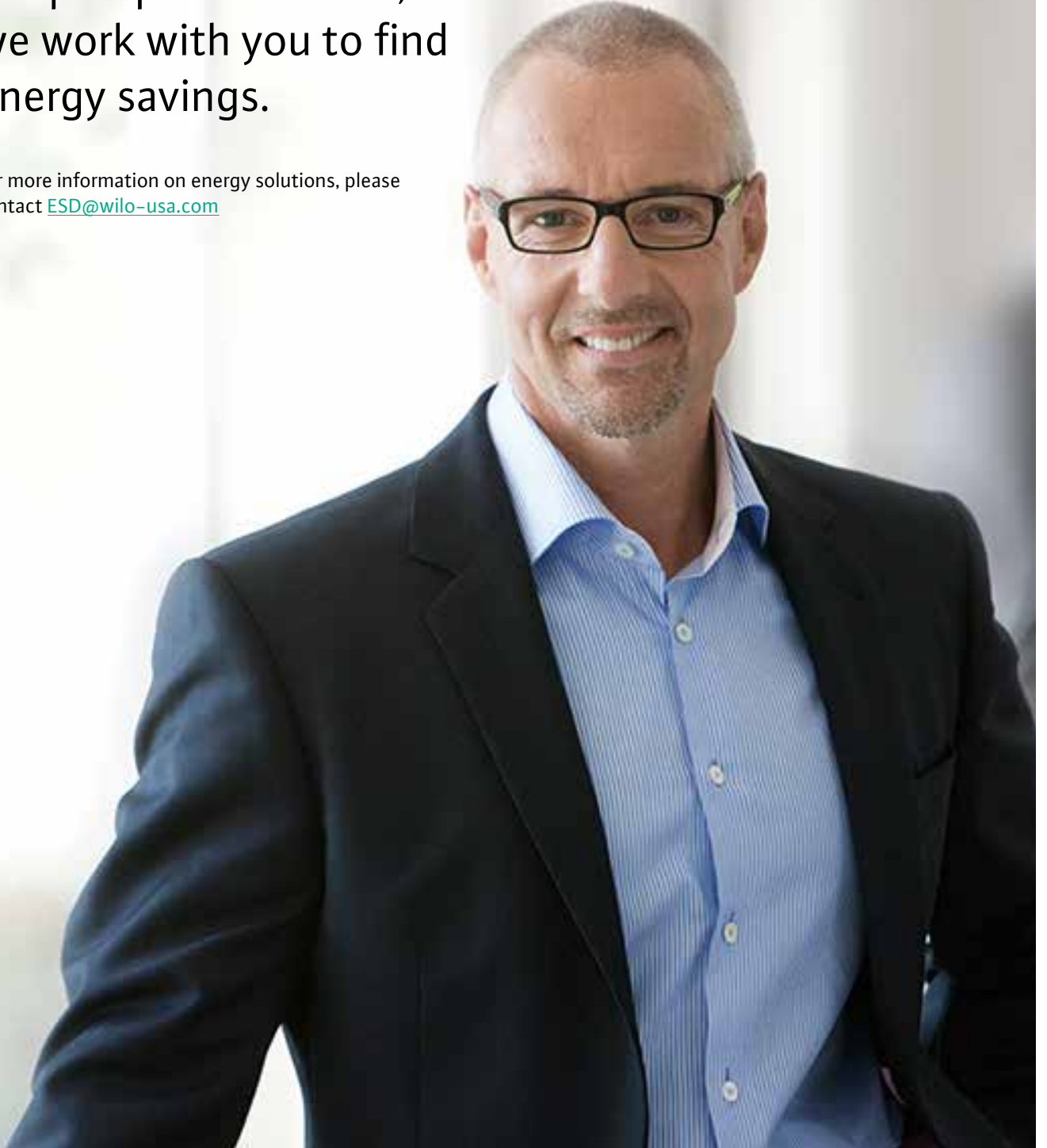
Materials of Construction

- Stainless Steel pump shaft
- Ceram Coating available for increased durability



Wilo Energy Solutions
is a trusted partner in
your pursuit of energy
savings. We don't just
sell pumps and mixers,
we work with you to find
energy savings.

For more information on energy solutions, please
contact ESD@wilo-usa.com



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WILO USA LLC

888-945-6872
www.wilo-usa.com
info@wilo-usa.com

WILO Canada Inc.

866-945-6236
www.wilo-canada.com
info@wilo-canada.com

WILO MEXICO

+52 55 5586 3209
www.wilo-mexico.com
info@wilo.com.mx