

Pioneering for You



*2015 - North America 60 Hz.*

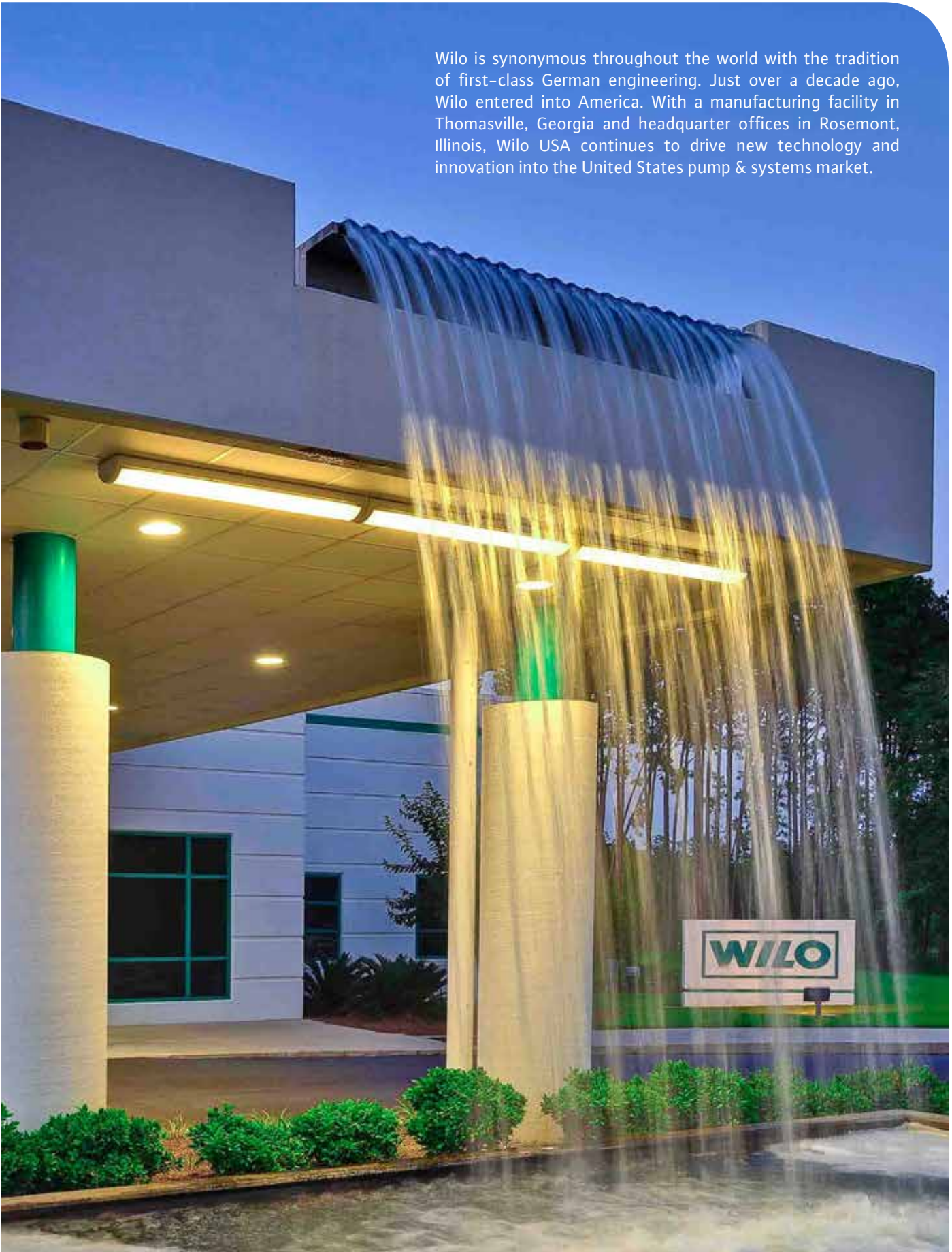
## Wilo Product Catalog

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



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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.





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**"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



Wilco 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 Wilco pump you are looking for.

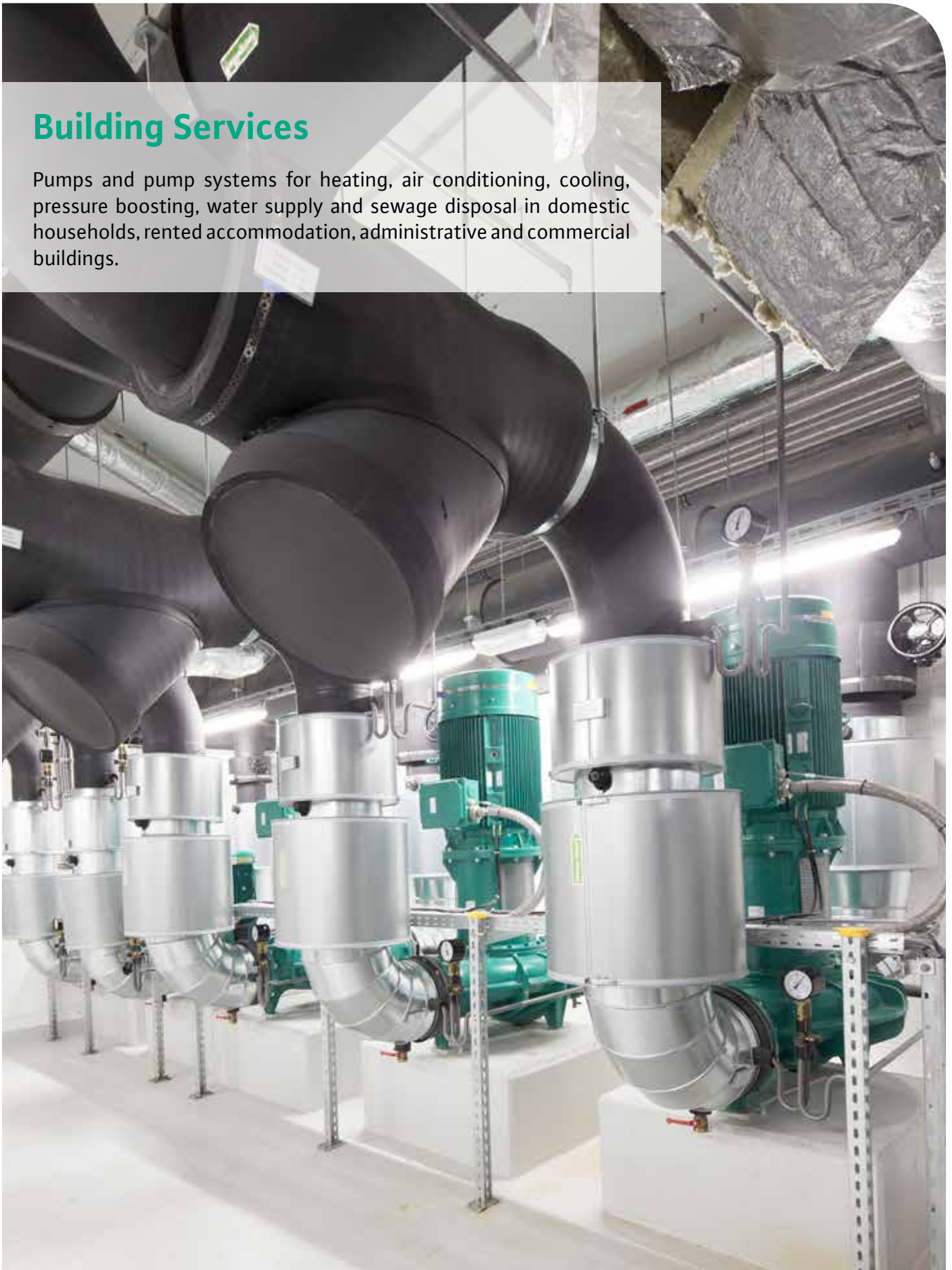
[us.wilo-select.com](http://us.wilo-select.com)



**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.

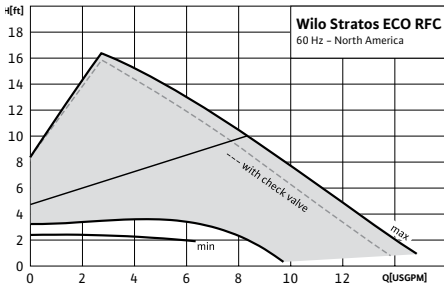






### Wilo Stratos ECO RFC

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

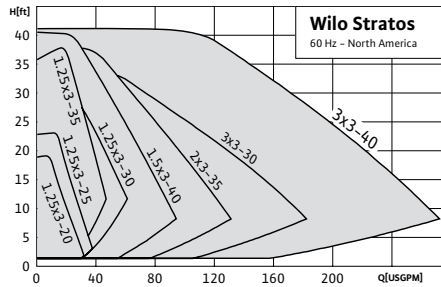
#### Materials of Construction

- 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%)

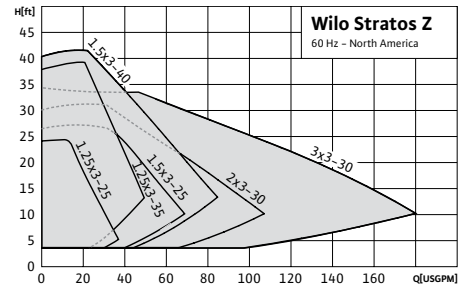
#### Materials of Construction

- 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



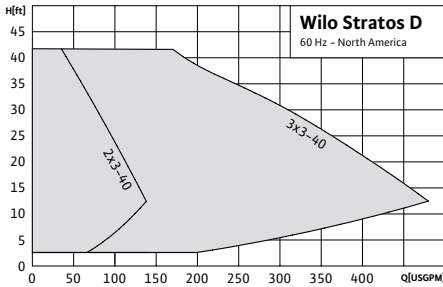
**Wilo Stratos D**  
High Efficiency Circulators



**Wilo Stratos GIGA**  
High Efficiency Inline Circulators



**Wilo Helix Excel**  
High Efficiency Multistage Pumps



**Application**

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

**Max. Flow**

480 USGPM

**Max. Head**

43 feet

**Features & Benefits**

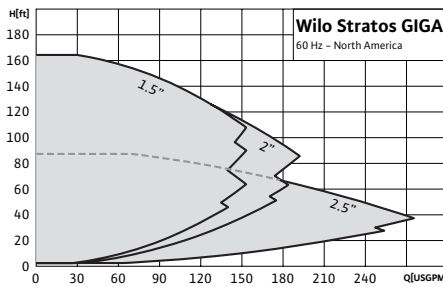
- EC motor technology reduces energy consumption by up to 80%
- 'Red Button' technology and LED display
- Lead/Lag operation with auto 24-hr alternation
- Dual-volute design cuts installation costs by up to 50%
- Optimized peak load operation

**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



**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**

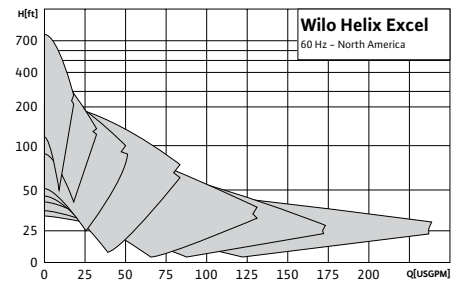
- Highest efficiency motor-drive combination on the market up to 7.5HP
- Compact, Space-saving design
- 'Red Button' technology and LED display
- Various control modes: ΔPV, ΔPC, speed, PID
- Multiple control modules available for integration with building management systems

**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



**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

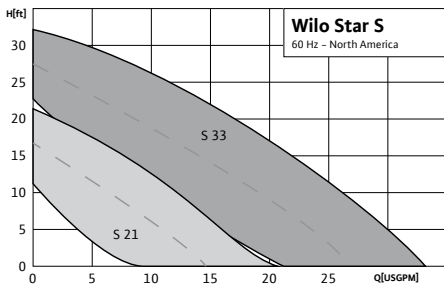
**Materials of Construction**

- 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)

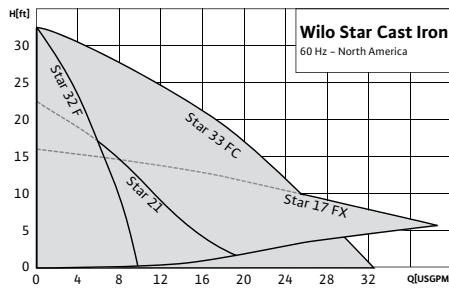
#### Materials of Construction

- 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)

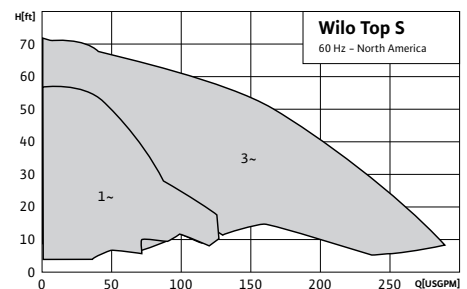
#### Materials of Construction

- 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

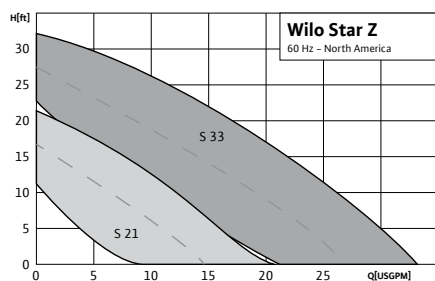
- Cast Iron, Cathaphoresis Coated Volute
- Engineered Composite Impeller
- Stainless Steel Shaft
- Impregnated Carbon Bearing
- Class H Insulation





### 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)

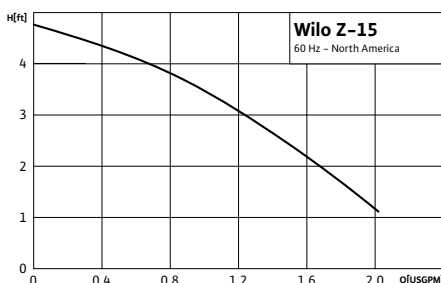
#### Materials of Construction

- 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

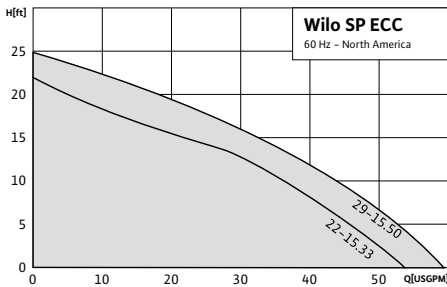
#### Aquastat

- 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



#### Application

- Sump & Effluent
- De-watering
- Drainage

#### Max. Flow

58 USGPM

#### Max. Head

25 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

#### Technical Data

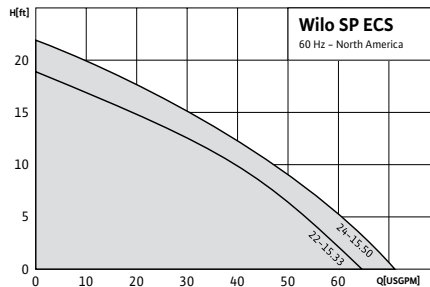
- Max Solids Handling: 3/8"
- Max Fluid Temp: 77°F (25°C)
- Electrical Connections: 1~115v
- 1 1/2" NPT Discharge (1 1/4" with adapter)

#### Materials of Construction

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

### Wilo ECS

Submersible Sump Pumps



#### Application

- Sump & Effluent
- De-watering
- Drainage

#### Max. Flow

71 USGPM

#### Max. Head

23 feet

#### Features & Benefits

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

#### Technical Data

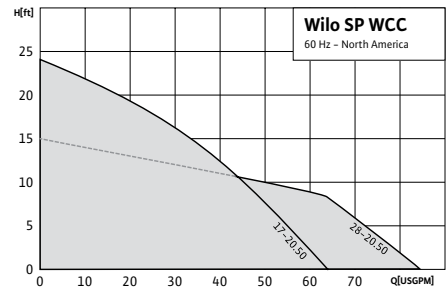
- Max Solids Handling: 1/2"
- Max Temp: 77°F (25°C)
- Electrical Connections: 1~115v
- 1 1/2" Discharge (1 1/4" adapter included)

#### Materials of Construction

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

### Wilo WCC

Sewage/Effluent Pumps



#### Application

- Residential Sewage & Effluent
- Drainage

#### Max. Flow

85 USGPM

#### Max. Head

24 feet

#### 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: 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

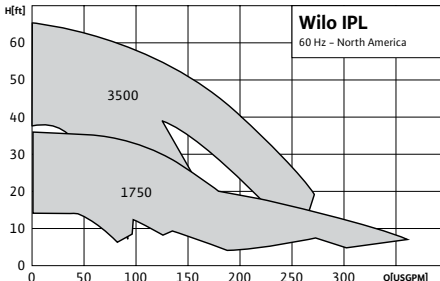
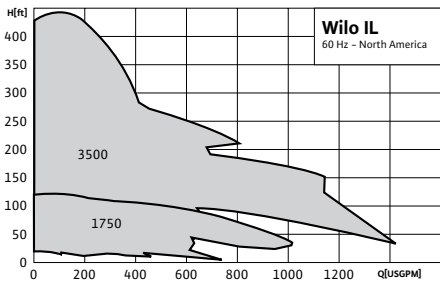


**Wilo IL**

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**

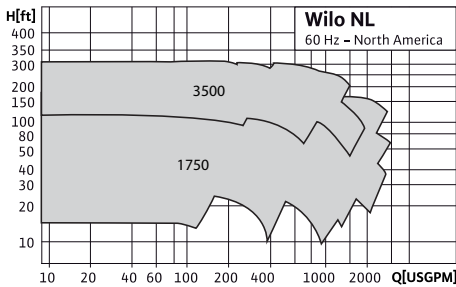
- Cast Iron, Cataphoresis Coated Volute
- Engineered Composite Impeller
- Stainless Steel Stub Shaft
- 2-Part Epoxy Paint





### Wilo NL

Base Mount End Suction Pumps



#### 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

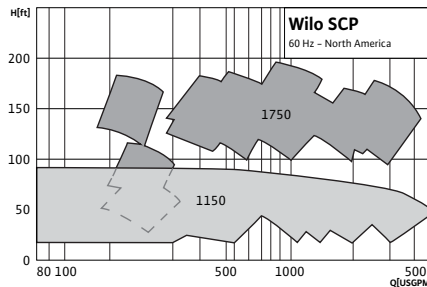
#### Materials of Construction

- 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

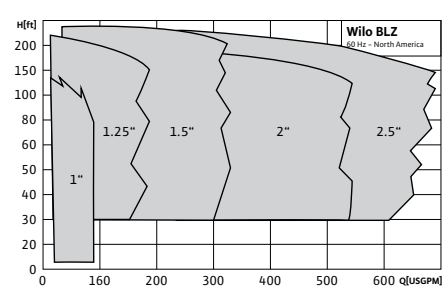
#### Materials of Construction

- 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~ 208-230/460/575v

#### Materials of Construction

- 304 Stainless Steel Casing and Impeller
- Stainless Steel Shaft



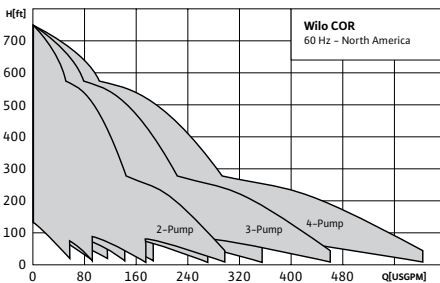
**Wilo COR 2, 3, 4 - Pump**  
Pressure Boosting Systems



**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**

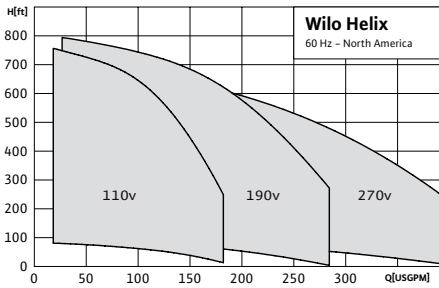
- Factory-programmed packaged system
- Compact design for easy installation/retrofit
- User-friendly, multi-language LCD display
- Low maintenance costs
- System monitoring records performance
- Fixed or alternating base load pump
- Balanced run time across all pumps

**Technical Data**

- CC Controller - NEMA 12
- VFD-Controlled Base Load Pump
- 4-20 mA, 1/4" 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**

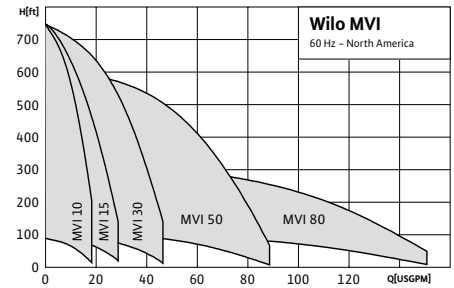
- Cartridge seal designed for easy service
- 3D impellers for improved efficiency
- Floating flanges for easy installation
- Standard EISA compliant TEFC motors
- Integrated thrust bearing reduces motor stress

**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
- 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
- 1 1/4" 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" )



# Water Management

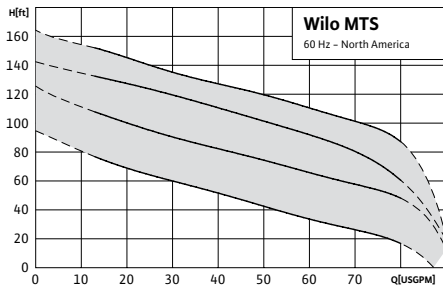
Pumps and pump systems for water supply, sewage disposal and sewage treatment in municipal buildings.





## 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

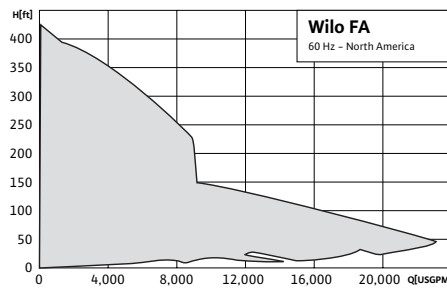
### Materials of Construction

- 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

SOLID



## 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

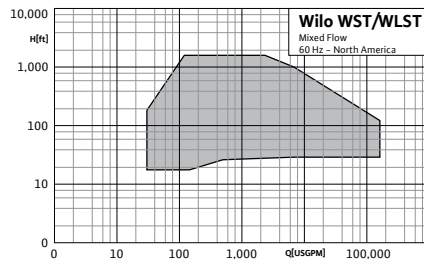
### Special Designs

- 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

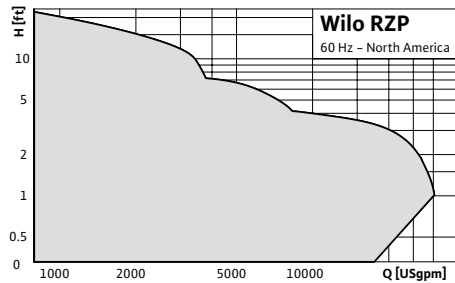
### Features & Benefits

- 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

#### 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



### Wilo Uniprop

Submersible Mixers with Planetary Gear

#### 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



### Wilo Megaprop/Maxiprop

Submersible Mixers with Planetary Gear

#### 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

## Groundwater

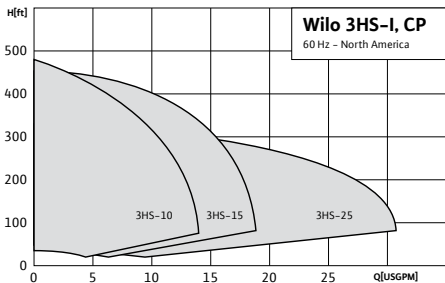
Submersible pumps for water supply from water wells, agriculture, dewatering and industrial applications, agriculture, dewatering and industrial applications.





**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**

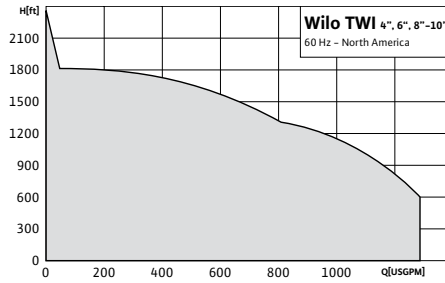
- Electrical Connections: 1~230v
- Temp Range: 37°F to 95°F (3°C to 35°C)
- Max Sand Content: 50 ppm
- Max Immersion Depth: 500'
- Max Number of Starts: 30 /h
- Protection Class: IP 58

**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**

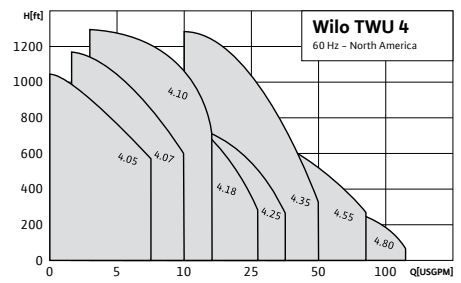
- Electrical Connection: 1~115/230v  
3~230/460/575v
- Temp Range: 37°F to 122°F (3°C to 50°C)
- Max Sand Content: 50 ppm
- Max Immersion Depth: 1000'
- Protection Class: IP 68

**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

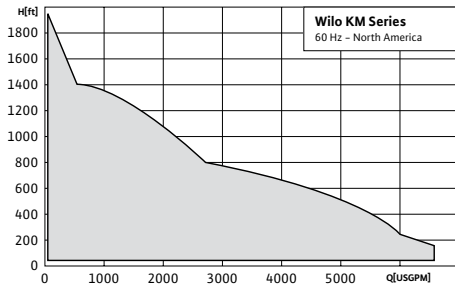
### Wilo Pump Panel

- 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



### 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

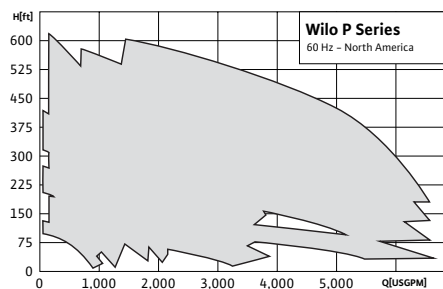
- Immersed Operating Mode: S1
- Max Temp: 122°F (50°C)
- Min Flow at Motor: 0.33...1.64 f/s
- Max Immersion Depth: 100 or 300/350 %
- Protection Class: IP 68

### Materials of Construction

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

## Wilo P Series

Bottom Intake



### 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

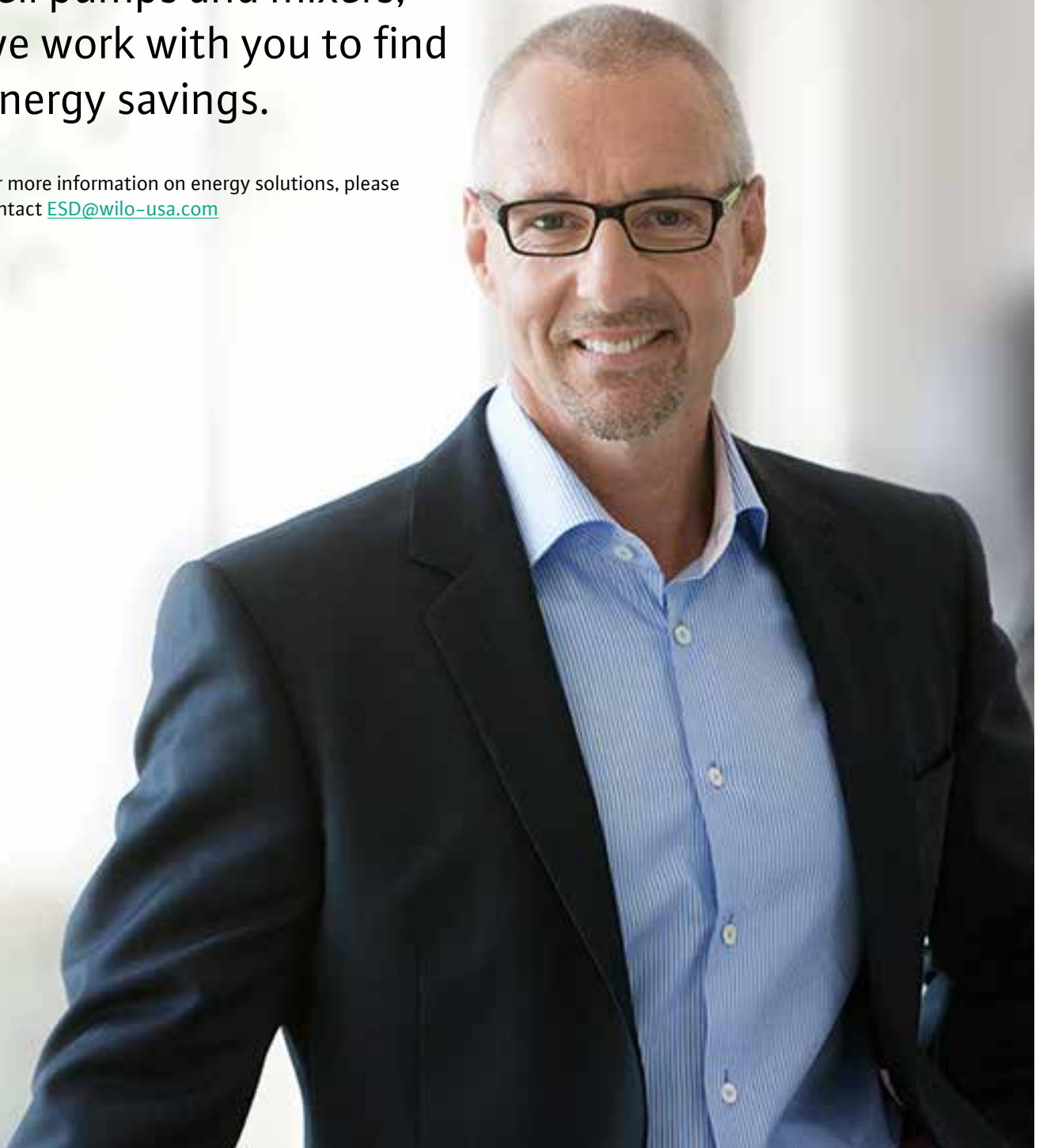
- Max Temp: 68°F (20°C)
- Max Immersion Depth: 984 ft
- Protection Class: IP 68

### 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](mailto:ESD@wilo-usa.com)







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