

Pioneering for You

wilo®

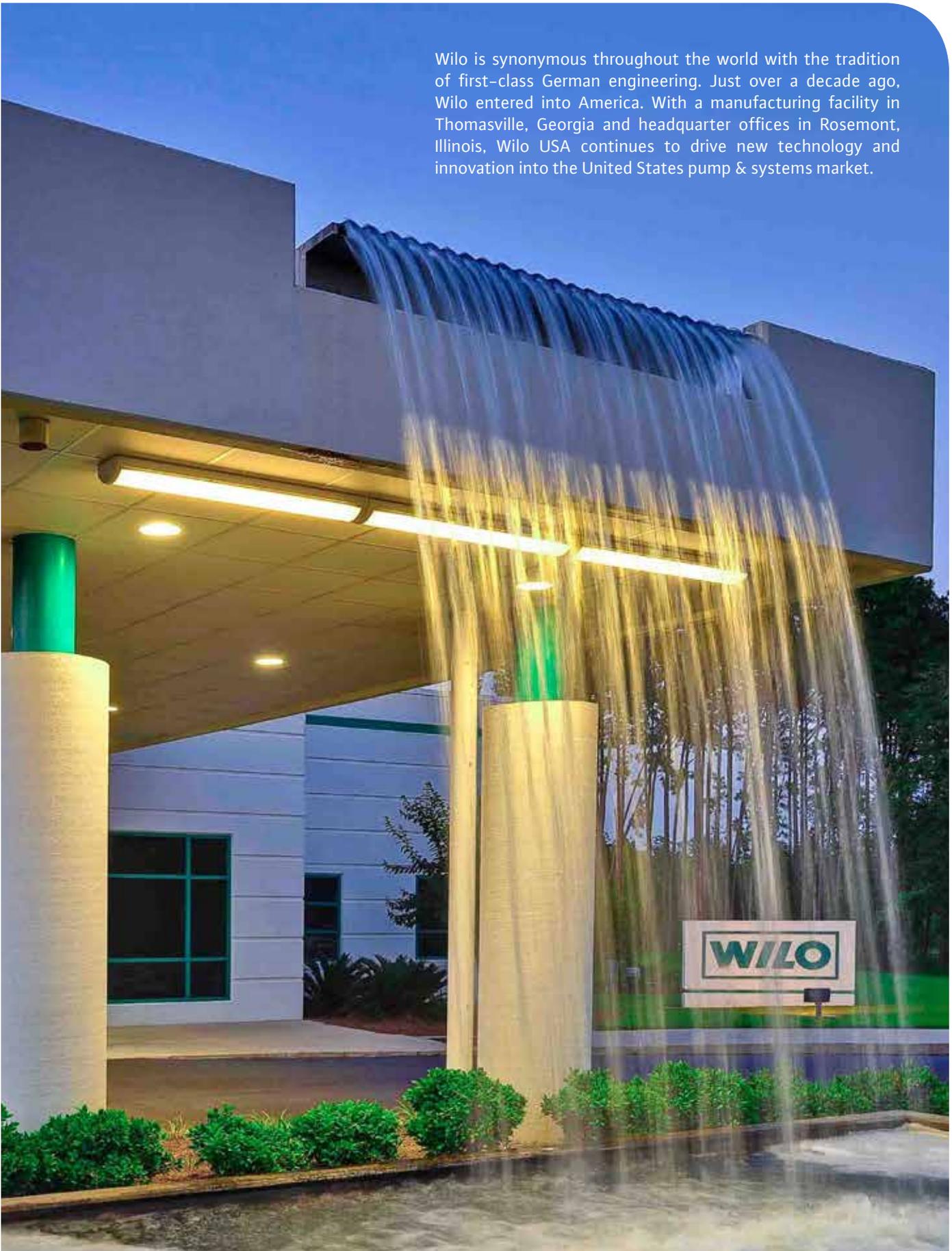
Pumps and pump systems for heating, air conditioning, cooling, pressure boosting, water supply and sewage disposal in domestic households, rented accommodation, administrative and commercial buildings.

Pumps & Circulators

Residential and Commercial (for Building Services)



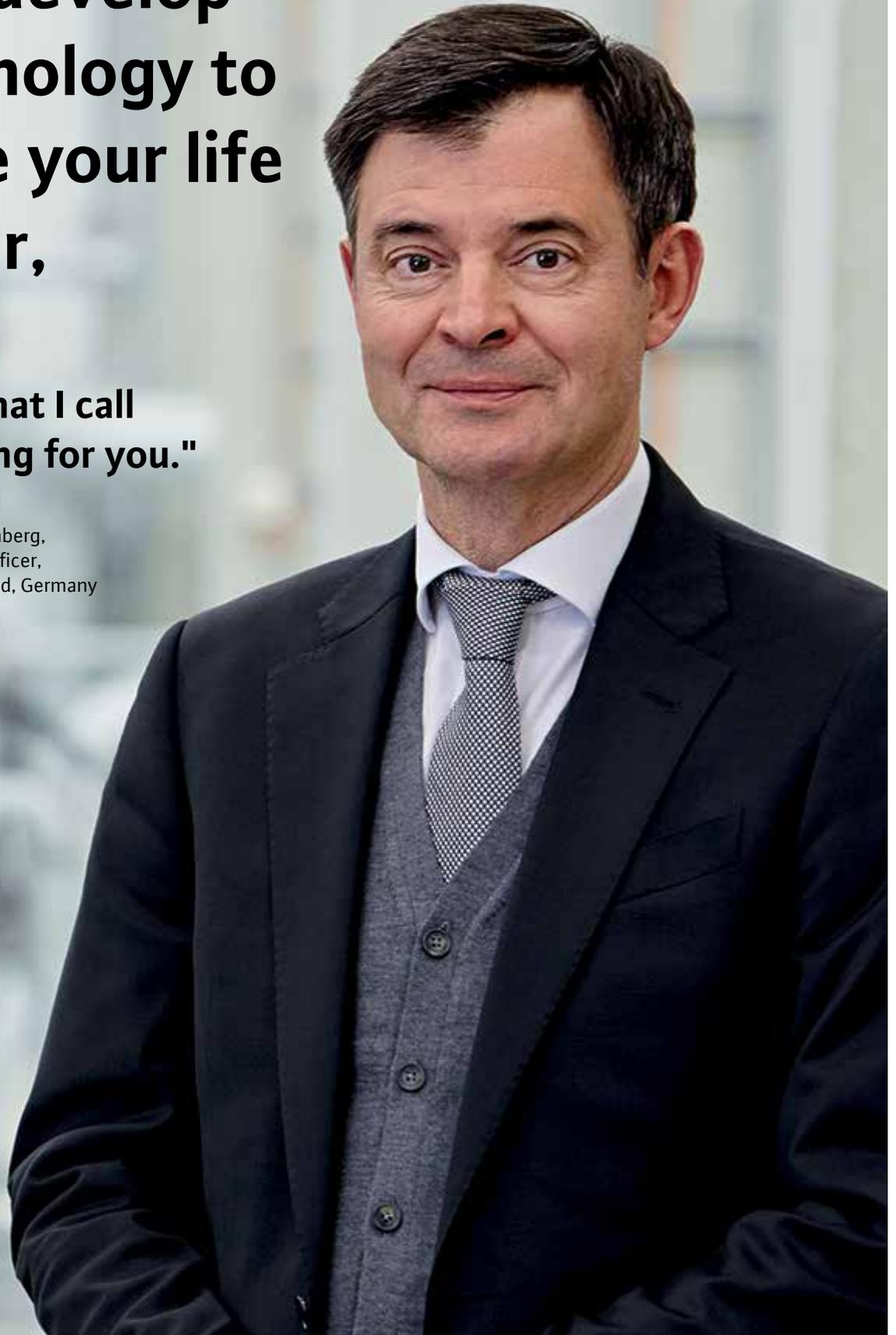
Wilo is synonymous throughout the world with the tradition of first-class German engineering. Just over a decade ago, Wilo entered into America. With a manufacturing facility in Thomasville, Georgia and headquarter offices in Rosemont, Illinois, Wilo USA continues to drive new technology and innovation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

High Efficiency Circulators

Applications:

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



Up to 80% Energy Savings!*

Features & Benefits

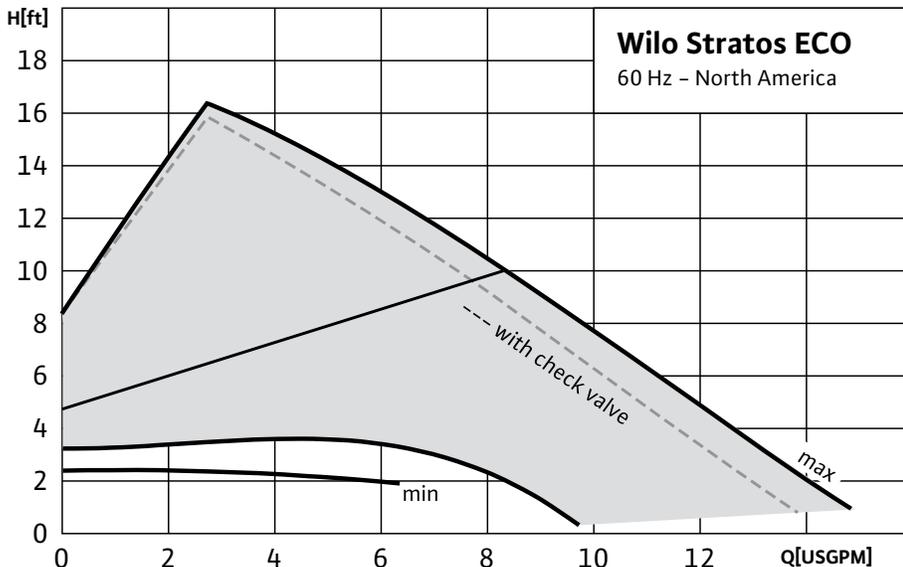
- Patented 360° Flange rotates to 12/6 or 3/9 o'clock positions (US 8,297,664 B2)
- Installable hi-temp check valve included
- EC motor technology reduces energy consumption by up to 80%
- Automatically adjusts to system demands
- No more over-pumped, noisy zones
- Easy wiring quick connectors

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
- Max flows: 14 USGPM
- Max Head: 16 feet

Materials of Construction

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



*Compared to an uncontrolled circulator.

Wilo Stratos

High Efficiency Circulators

Applications:

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



Up to 80% Energy Savings!*

Features & Benefits

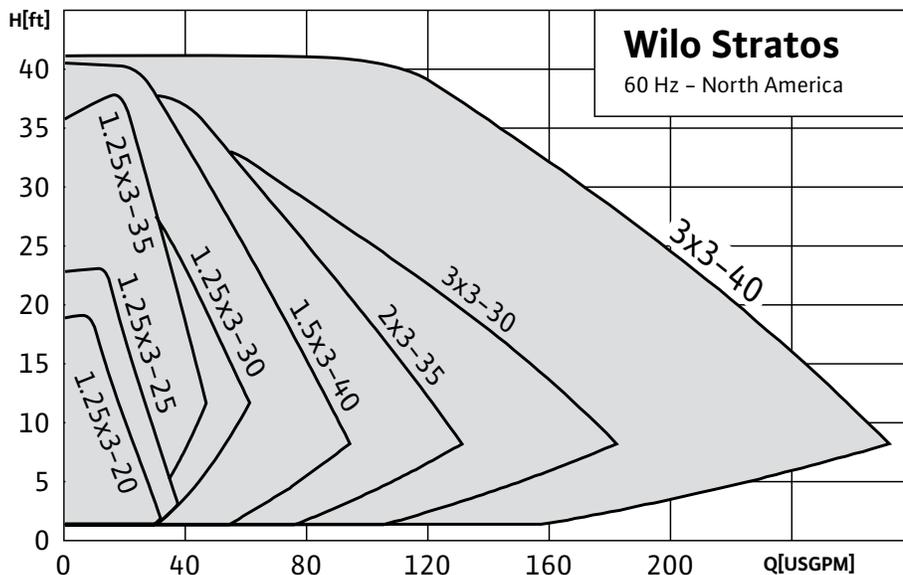
- EC motor technology reduces energy consumption by up to 80%
- ‘Red Button’ technology and LED display
- 3 times higher starting torque than a standard circulator
- On-board diagnostics and data logger
- Multiple control modules available for integration with building management systems

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: 1~230v (+/- 10%)
- Max flows: 285 USGPM
- Max Head: 43 feet

Materials of Construction

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



Compatible with IR Device & IF Modules



*Compared to an uncontrolled circulator.

Wilo Stratos D

High Efficiency Circulators

Applications:

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



Up to 80% Energy Savings!*

Features & Benefits

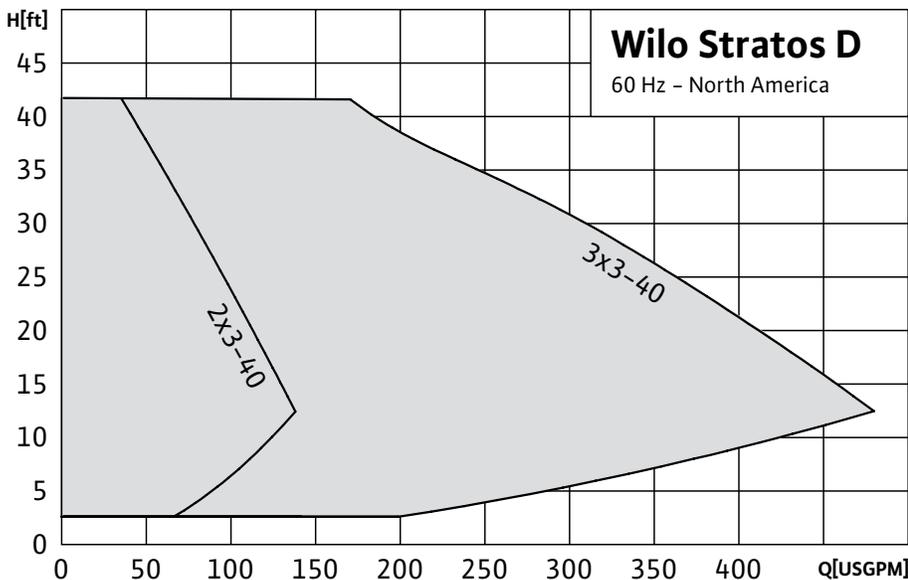
- EC motor technology reduces energy consumption by up to 80%
- 'Red Button' technology and LED display
- Lead/Lag operation with auto 24-hr alternation
- Dual-volute design cuts installation costs by up to 50%
- Optimized peak load operation

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: 1~230v (+/- 10%)
- Max flows: 480 USGPM
- Max Head: 43 feet

Materials of Construction

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



Compatible with IR Device & IF Modules



*Compared to an uncontrolled circulator.

Wilo Stratos Z

High Efficiency DHW Circulators

Applications:

- Potable Water
- Domestic Hot Water
- Closed Cooling Circuits
- HVAC Systems
- Solar / Geothermal



Up to 80% Energy Savings!*

Features & Benefits

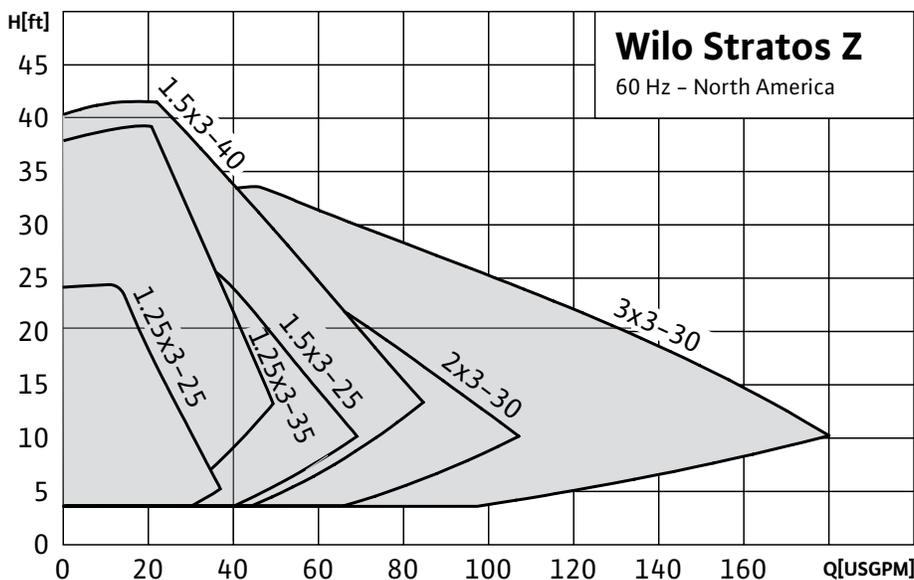
- NSF 61 Certified
- EC motor technology reduces energy consumption by up to 80%
- 'Red Button' technology and LED display
- Multiple control modules available for integration with building management systems
- Built in overload fault contacts (opens on over/under voltage, dry run, locked rotor, overload and over temperature)

Technical Data

- ΔP -V, 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: 1~230v (+/- 10%)
- Max flows: 180 USGPM
- Max Head: 43 feet

Materials of Construction

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



Compatible with
IR Device & IF Modules



*Compared to an uncontrolled circulator.

Wilco Stratos GIGA

High Efficiency Inline Circulators

Applications:

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



Up to 70% Energy Savings!*

Features & Benefits

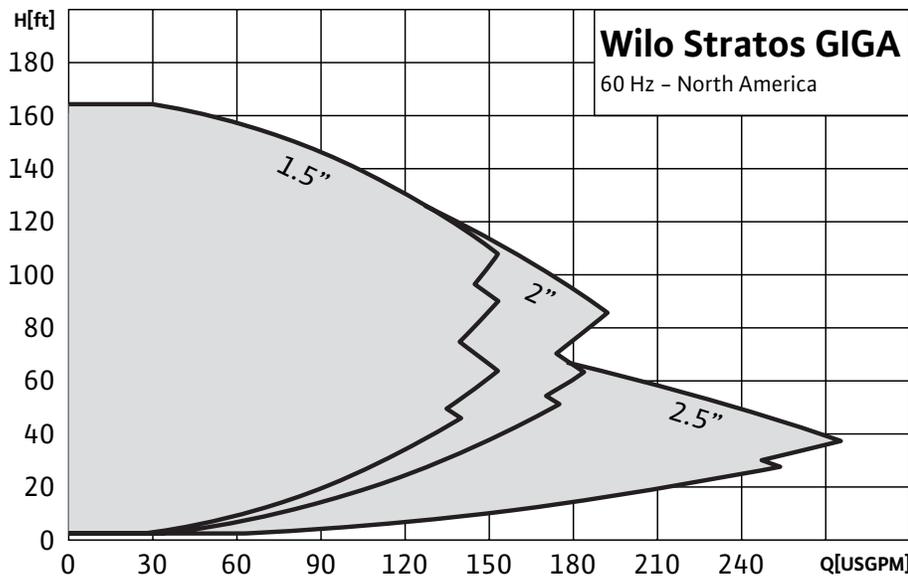
- Highest efficiency motor-drive combination on the market up to 7.5HP
- Compact, Space-saving design
- 'Red Button' technology and LED display
- Various control modes: ΔPV, ΔPC, speed, PID
- Multiple control modules available for integration with building management systems

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
- Max flows: 275 USGPM
- Max Head: 167 feet

Materials of Construction

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



Greater than NEMA Premium Efficiencies!



Compatible with IR Device & IF Modules



*Compared to an uncontrolled circulator.

Wilo Helix Excel

High Efficiency Multistage Pumps

Applications:

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



Up to 70% Energy Savings!*

Features & Benefits

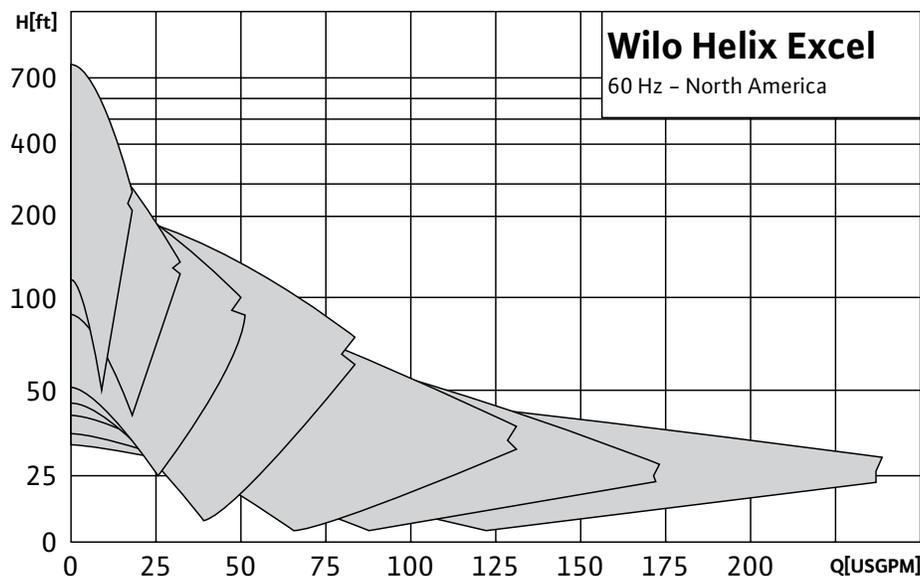
- Highest efficiency motor-drive combination on the market
- Uses cartridge seal for easy maintenance
- ‘Red Button’ technology and LED display
- Various control modes: ΔPV, ΔPC, speed, PID
- Multiple control modules available for integration with building management systems

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
- Max flows: 250 USGPM
- Max Head: 720 feet

Materials of Construction

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



Greater than NEMA Premium Efficiencies!



Compatible with IR Device & IF Modules



*Compared to an uncontrolled pump.

Wilo Star (Cast Iron Volute)

Single and Three-Speed Residential Wet Rotor Circulators

Applications:

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



Features & Benefits

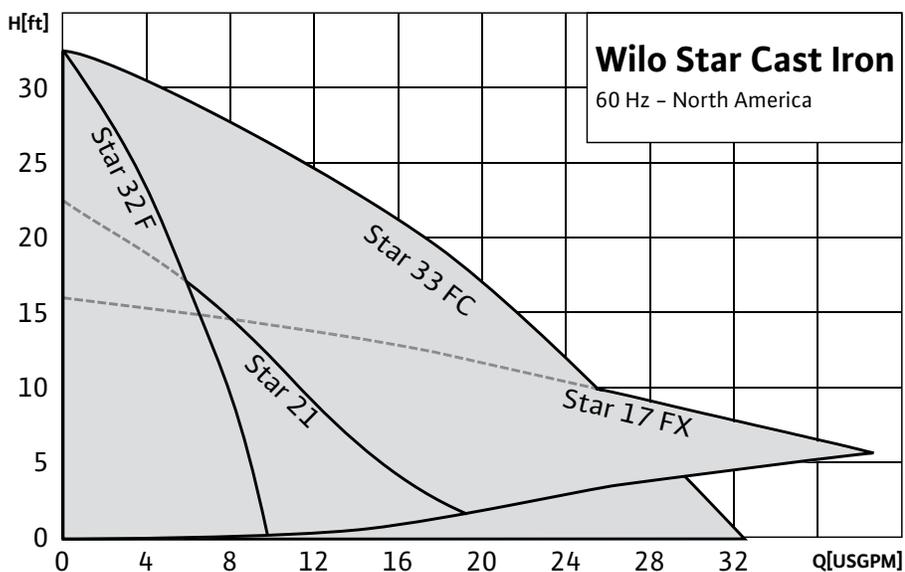
- Rotating flange and installable check valve included on 'RFC' model
- Reliable wet rotor technology
- Quick connect wiring
- Powerful starting torque
- Ultra quiet
- Installable hi-temp check

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 S 33 FC available in 1~115v, 230v
- Max Working Pressure: 140 PSI (10 Bar)
- Max Flow: 38 USGPM
- Max Head: 33 feet

Materials of Construction

- Cast Iron Volute
- Engineered Composite Impeller
- Stainless Steel Shaft



Wilco Top S

Commercial Wet Rotor Circulators

Applications:

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



Features & Benefits

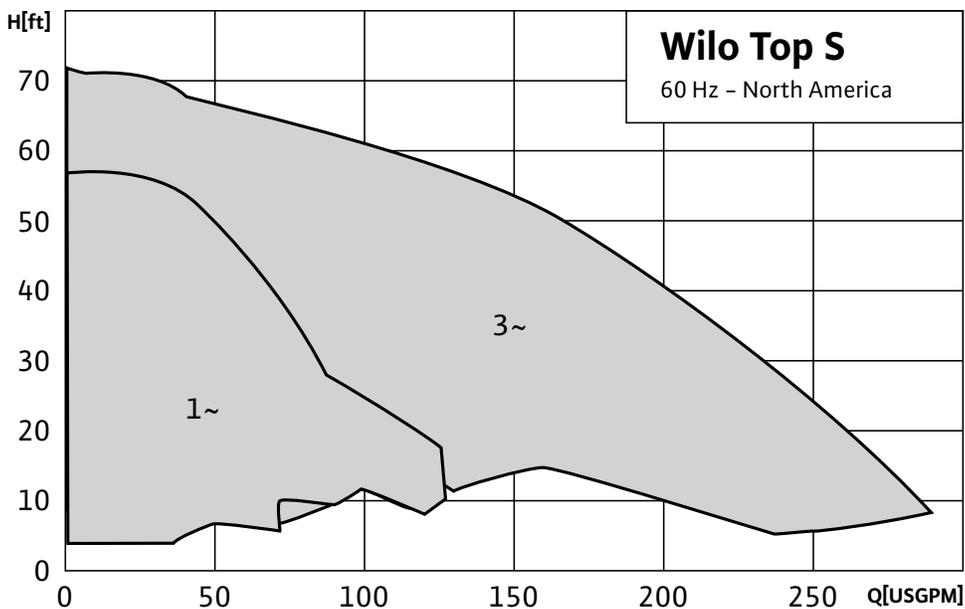
- No mechanical seal
- Quiet, low maintenance wet rotor circulator
- Two-speed operation on all voltages
- Cataphoresis coating prevents corrosion
- Sturdy cast aluminum electrical box
- Short flange to flange dimension

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)
- Max Flow: 290 USGPM
- Max Head: 70 feet

Materials of Construction

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



Wilo Star (Lead-Free Stainless Steel Volute)

Three-Speed Residential Wet Rotor Circulators

Applications:

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



Features & Benefits

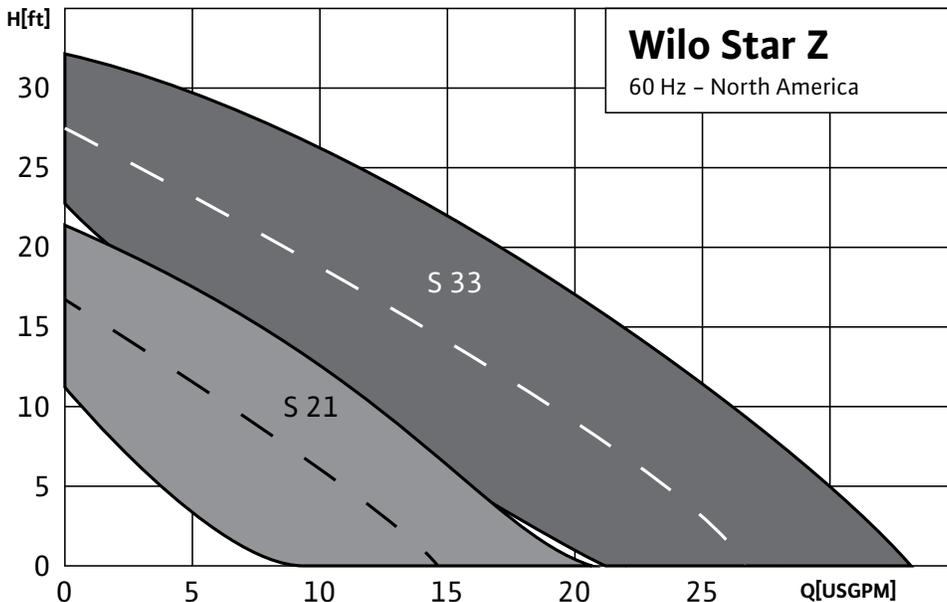
- Reliable wet rotor technology
- Quick connect wiring
- Powerful starting torque
- Ultra quiet
- Less than 0.25% Lead content

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)
- Max Flow: 35 USGPM
- Max Head: 33 feet

Materials of Construction

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



Wilo Z-15

Domestic Hot Water Circulators

Applications:

- Domestic Hot Water Recirculation



Features & Benefits

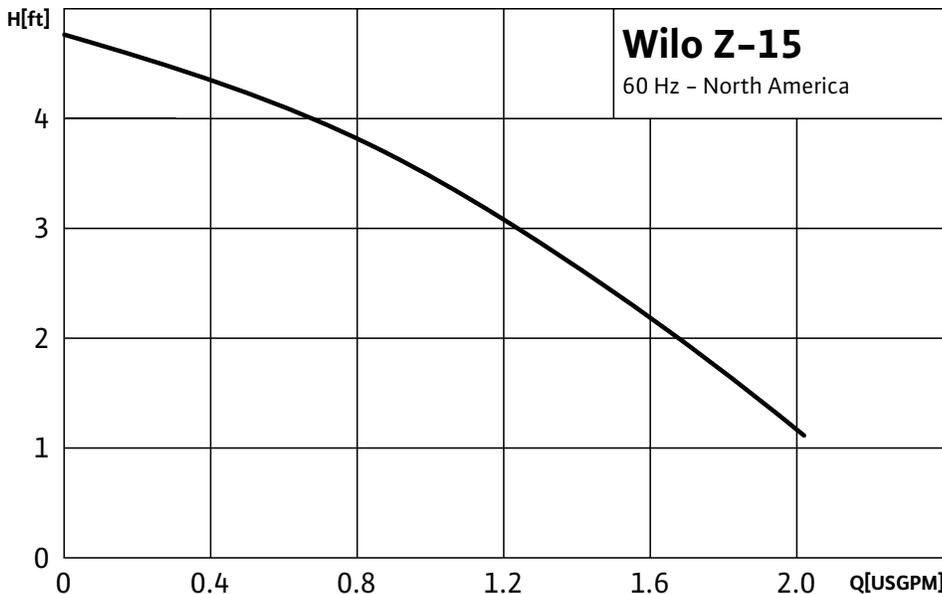
- NSF 61 Certified
- Compact design
- 115v power cord included
- Magnetic drive design
- Optional digital timer available
- Conserves energy and water
- Safe and quick installation

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)
- Max Flow: 2 USGPM
- Max Head: 5 feet

Materials of Construction

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



Accessories

- Jet Valve
- Digital Timer
- DHW Fitting Pack
- Aquastat



Wilo ECC, ECS, WCC

Residential Sump and Sewage Pumps

Applications:

- Potable Water system
- Sump & Effluent (ECC, ECS)
- De-watering (ECC, ECS)
- Residential Sewage & Effluent (WCC)
- Drainage



ECC

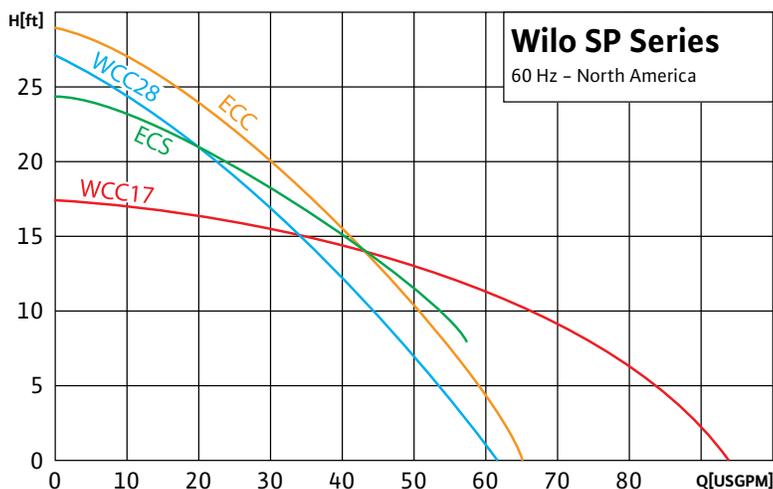
- Replaceable piggyback tether float switch for automatic operation
- Permanent split capacitor motor with automatic thermal overload protection
- 10' power cord included
- CSA certified
- Max Solids Handling: 3/8"
- Max Fluid Temp: 77°F (25°C)
- Electrical Connections: 1~115v
- 1½" NPT Discharge (1¼" with adapter)
- Cast Iron Volute & Motor Housing
- Engineered Composite Impeller
- Stainless Steel Bottom-Screened Inlet

ECS

- Oil-filled motor for max heat dissipation
- Ideal for basement installations
- 10' power cord included
- CSA certified
- Max Solids Handling: ½"
- Max Temp: 77°F (25°C)
- Electrical Connections: 1~115v
- 1½" Discharge (1¼" adapter included)
- Cast Iron Volute
- Stainless Steel Motor Housing
- Engineered Composite Impeller

WCC

- Replaceable piggyback tether float switch
- Oil-filled motor for maximum heat dissipation
- Built-in thermal overload protection
- 10' power cord included
- CSA certified
- Max Solids Handling: 2" (WCC17); ¾" (WCC28)
- Max fluid temperature 130°F (55°C)
- Electrical Connections: 1~115v
- 2" NPT Discharge
- Cast Iron Volute & Motor Housing
- Engineered Composite Impeller



Wilco IL, IPL

Inline centrifugal circulators, Inline pumps

Applications:

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



Features & Benefits

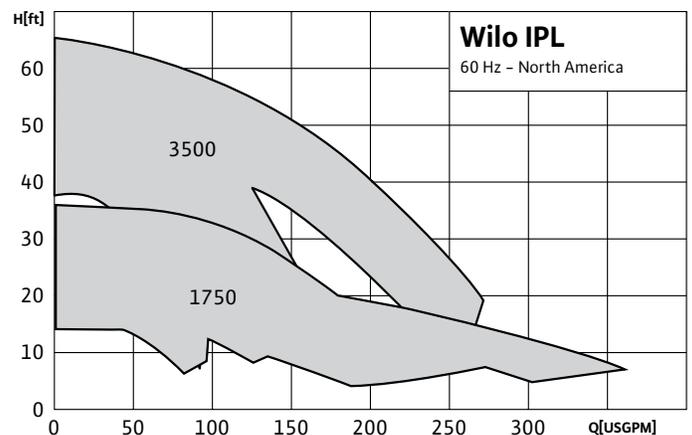
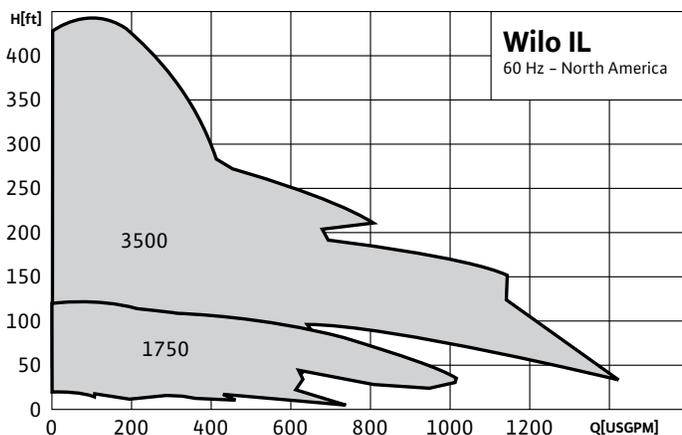
- Integrated suction straightening vane
- Pump feet drilled and tapped
- 125# ANSI standard flanges
- Suction and discharge pressure gauge tappings
- Lifting eyes for easy installation

Technical Data

- TEFC motors standard (ODP available)
- IL Temp Range: -5°F to 285°F (-20°C to 140°C)
- IPL 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
- Max Flow: 1450 USGPM
- Max Head: 440 feet

Materials of Construction

- Cast Iron, Cataphoresis Coated Volute
- Trimmable Bronze Impeller (IL)
- Engineered Composite Impeller (IPL)
- Stainless Steel Stub Shaft
- 2-Part Epoxy Paint



Wilo NL

Base Mount End Suction Pumps

Applications:

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



Features & Benefits

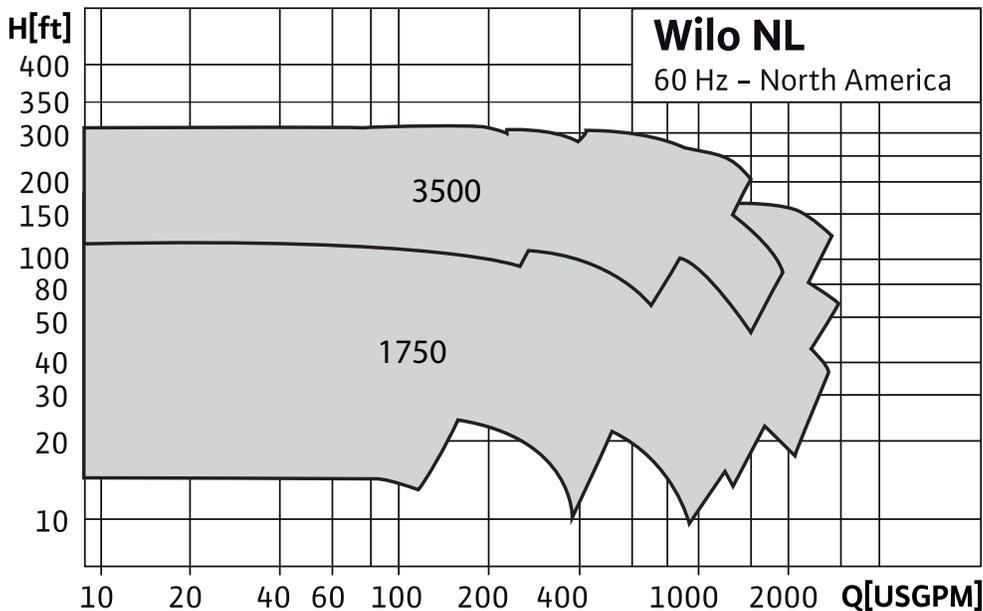
- Back pullout design allows replacement of bearings and seals without disturbing the piping
- Three bearing bracket sizes for all models
- Confined gasket between cover and casing
- Maintenance-free ZZ bearings
- Improved hydraulics for reduced vibration
- Over 50 models available

Technical Data

- Temp Range: -5°F to 250°F (-20°C to 121°C)
- Horsepower Range: 1-75HP (3500RPM)
1/2-200HP (1750RPM)
- Flange Size Range: 1¼” to 8”
- Max Pressure: 250 PSI
- Max Flow: 2,500 USGPM
- Max Head: 300 feet

Materials of Construction

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



Wilco SCP

Split Case Pumps

Applications:

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



Features & Benefits

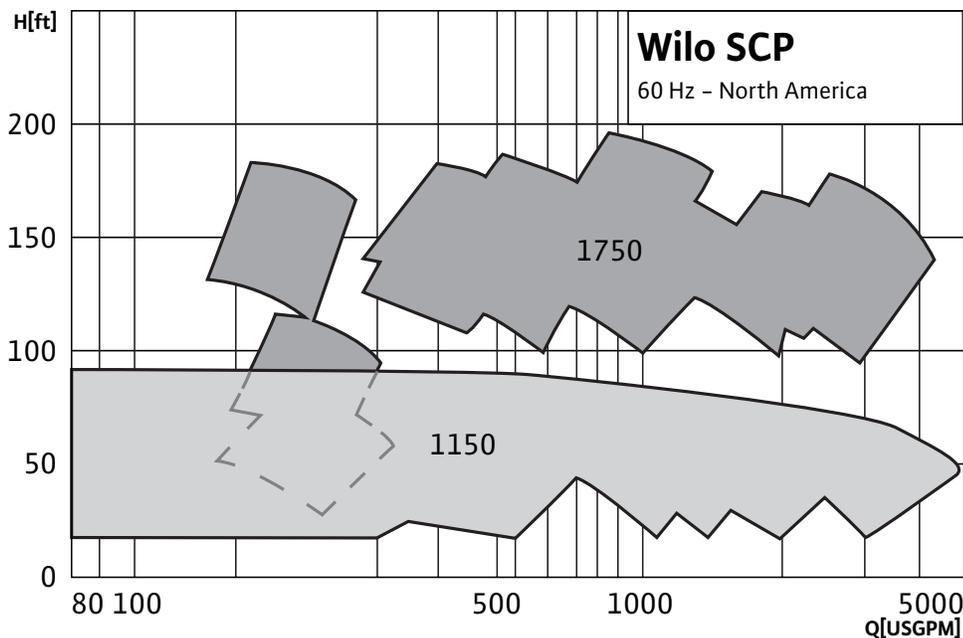
- Horizontal split casing allows replacement of bearings and mechanical seal without disturbing the system piping
- Double suction design available for maximum efficiencies
- Hydraulically balanced double-suction impeller for minimal axial thrust
- Tongue & groove neck ring design eliminates seizing 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
- Max Flow: 5,000 USGPM
- Max Head: 180 feet

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

Applications:

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



Features & Benefits

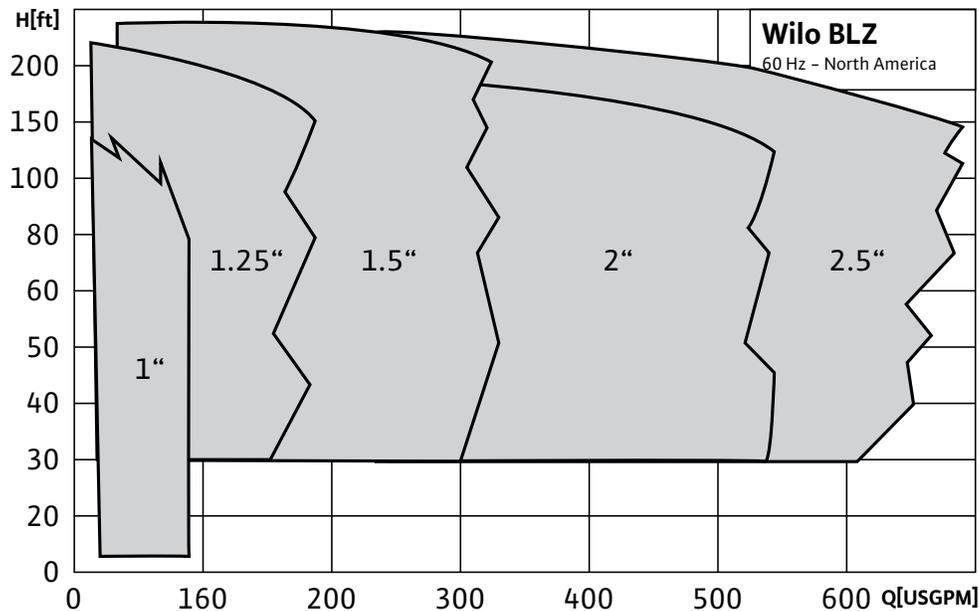
- NSF 61 Certified
- Close coupled design that saves space
- Can be installed horizontally or vertically
- Centerline discharge and foot support under casing
- High operating efficiency which lowers operating costs

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
- Max Flow: 900 USGPM
- Max Head: 290 feet

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



Features & Benefits

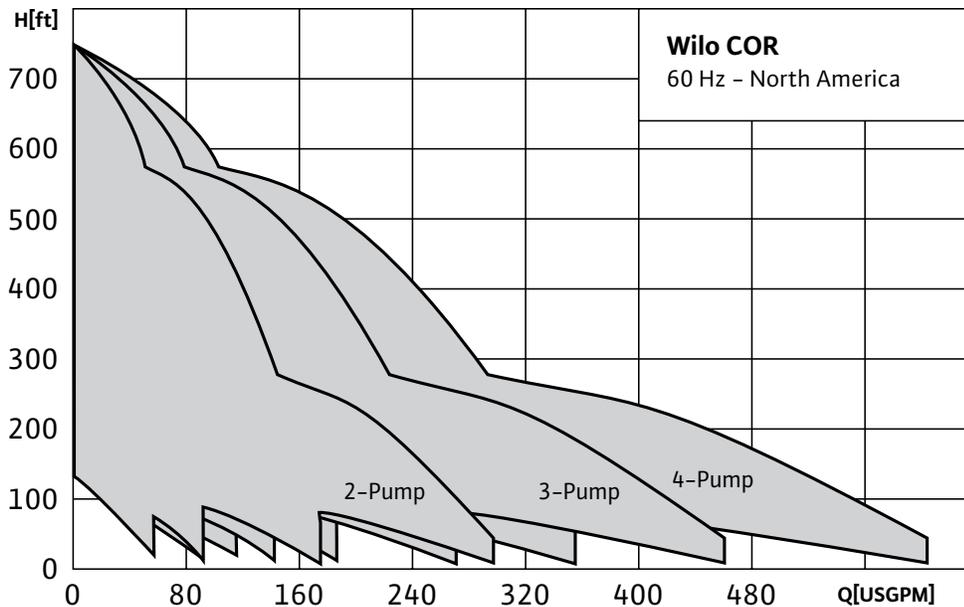
- Factory-programmed packaged system
- Compact design for easy installation/retrofit
- User-friendly, multi-language LCD display
- Low maintenance costs
- System monitoring records performance
- Fixed or alternating base load pump
- Balanced run time across all pumps

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)
- Max Flow: 240 USGPM
- Max Head: 800 feet

Materials of Construction

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



Wilo Helix

Vertical Multistage Pumps

Applications:

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



Features & Benefits

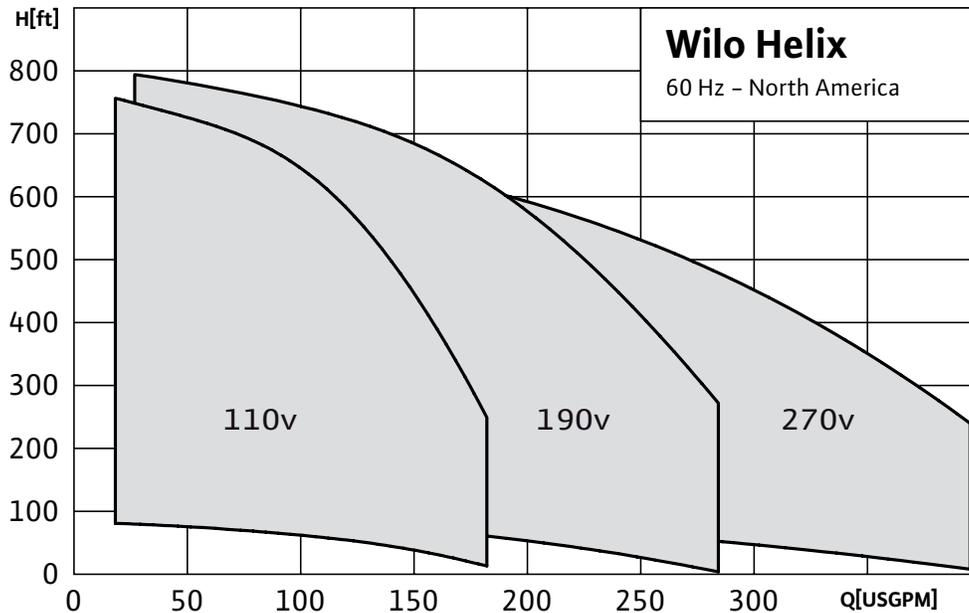
- Cartridge seal designed for easy service
- 3D impellers for improved efficiency
- Floating flanges for easy installation
- Standard EISA compliant TEFC motors
- Integrated thrust bearing reduces motor stress

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)
- Max Flow: 380 USGPM
- Max Head: 800 feet

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



Wilo MVI

Vertical Multistage Pumps

Applications:

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



Features & Benefits

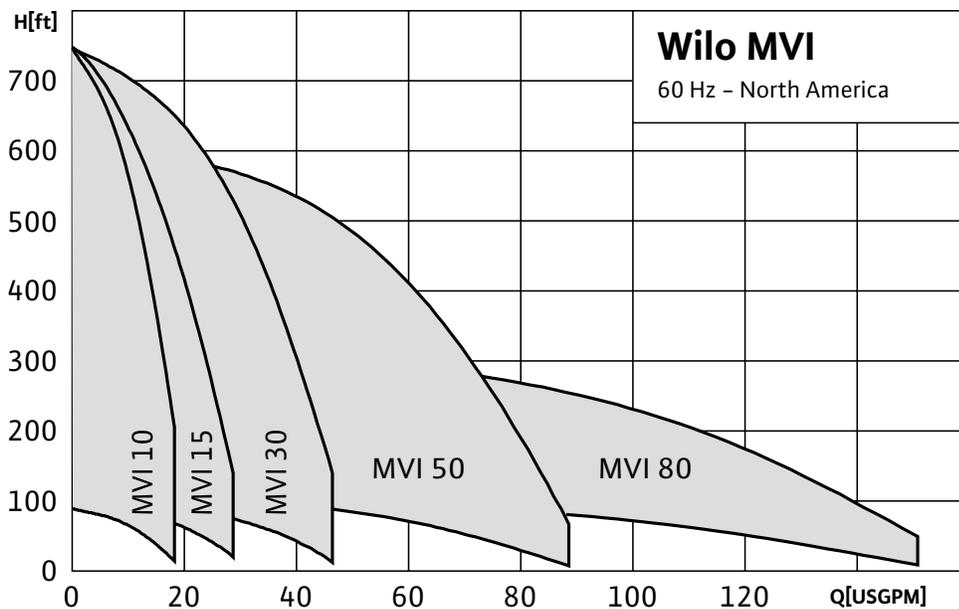
- 304 Stainless steel construction on parts in contact with fluid
- EPDM or Viton® mechanical seals
- Heavy duty pump base
- Both Oval and ANSI flanges available

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)
- Max Flow: 150 USGPM
- Max Head: 750 feet

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 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



Wilo Helix Excel



10-57-002-0216

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