

Pioneering for You



2020 – North America – 60 Hz.

Agriculture and Groundwater

Pumps and systems for agriculture, groundwater, irrigation and water supply.



GREEN SOLUTIONS
FOR GREENER RESULTS.





A WILO COMPANY

American-Marsh Pumps

Vertical Turbines, End Suction and Inline Pumps

4



A WILO COMPANY

Scot Pump

Close-Coupled and Self-Priming Pumps

8



WILO USA

Submersible Pumps and Pressure Boosting Systems

12





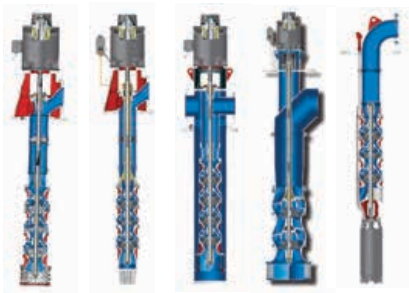
AMERICAN-MARSH PUMPS

A WILO COMPANY

For over 140 years, American-Marsh Pumps has provided pumps and systems for the Industrial, Municipal, Commercial and Fire protection markets. The product offering includes end suction, process sump, non-clog, split-case, vertical multistage and ANSI process pumps as well as vertical and submersible turbines. The American-Marsh campus, featuring a 300,000 gallon test laboratory, is located in Collierville, TN, and was acquired by WILO USA in 2019.

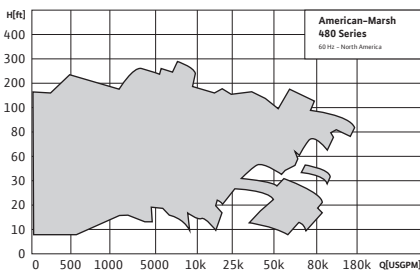






480 Series

Vertical Turbines – OLS, ELS, FAB,
Axial Flow, Mixed Flow, SUB



Application

- Agriculture & Irrigation
- Commercial
- Industrial
- Mining
- Municipal

Max. Flow

175,000 GPM

Max. Head

2,000 feet

Features & Benefits

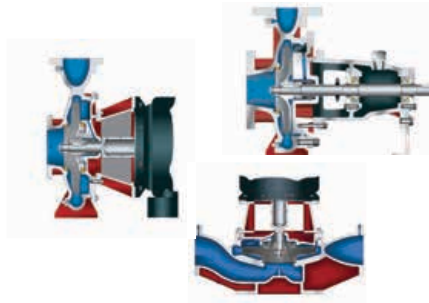
- Heavy-duty cast iron and 304SS fitted bowls standard
- Bowls are designed for easy assembly and disassembly
- Heavy-duty discharge cases with dual bearings on bowl assemblies through 16"
- Cast iron or fabricated steel discharge heads
- Flanged and threaded column assemblies
- Open and enclosed line shafts
- Enclosed impeller, semi-open impeller, mixed flow and prop
- Optional metallurgy available including bronze, 316 stainless steel, Cd4MCu and other duplex alloy stainless steel

Technical Data

- Temperature up to 250°F
- Speed ranges from 450 to 3600 RPM

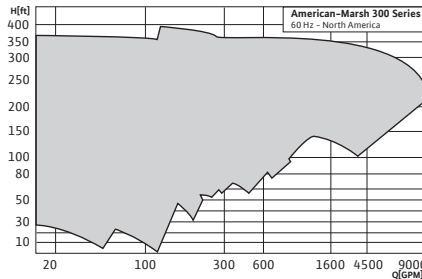
Materials of Construction

- Line shaft available in C1045 with Stainless Sleeves, 416 SS, 316 SS and 17-4 PH SS
- Impellers: Stainless Steel and Bronze
- A53 Steel column
- C1045 Steel column shaft
- Cast Discharge Heads from 4"-16"
- Fabricated Discharge Heads from 2"-72"



300 Series – REC, REF, REI

Inline and End Suction Pumps



Application

- Agriculture & Irrigation
- Commercial
- Industrial
- Municipal

Max. Flow

9000 GPM

Max. Head

450 feet

Features & Benefits

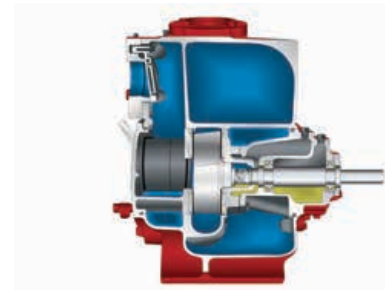
- Back pull-out to reduce maintenance down time
- Standard American-Marsh Series 810 mechanical seal for both reliability and dependability
- Integral seal flush
- 125 lbs. ANSI flange suction/discharge connections with centerline discharge and cast integral foot on casing for support
- Suction and discharge flanges are casted to 250 psi
- Standard, stocked C-face motors for quick shipment
- Close coupled & frame mounted designs

Technical Data

- Temperature up to 300°F
- Speed ranges from 900 to 3600 RPM

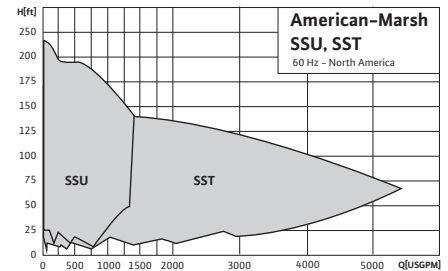
Materials of Construction

- High tensile cast iron casing
- Impeller: Bronze, cast iron, Ni-Resist or 316 SS
- 420 stainless steel shaft
- Shaft Sleeve: Bronze or 316 stainless steel
- Case Wear Ring: Bronze, cast iron, Ni-Resist or 316 SS
- Mechanical Seal: Carbon/Si-C/Buna



490 Series – SST, SSU

Centrifugal & Diaphragm Self-Priming Pumps



Application

- Agriculture & Irrigation
- Commercial/HVAC
- Industrial
- Municipal

Max. Flow

6400 GPM

Max. Head

240 feet

Features & Benefits

- Suction lift to 25 feet
- Back pull-out rotor assembly for ease of service
- Front wear plate for long life
- Standard hard faced mechanical seal
- The suction check valve can be removed and replaced without removing suction pipe
- Dual oil lubrication chambers one for the bearing housing and one for the mechanical seal
- Large front cleanout cover for inspection and removal of impeller and wear plate
- Solids passing capability up to 3"
- Many driver options (electric, gasoline & diesel)

Technical Data

- Temperature up to 180°F

Materials of Construction

- Standard ASTM A48 close grained cast iron casing, impeller and power frame
- Can be supplied in Novolloy abrasion resistant material, all bronze or all 316 SS
- Mechanical Seal: Tungsten Carbide vs. Tungsten Carbide face arrangement



ATL, PWS, VFD

Control Panels

Application

- Agriculture & Irrigation
- Commercial/HVAC
- Industrial
- Municipal

Features & Benefits

- NEMA Type 1
- NEMA Type 3
- NEMA Type 3R

Materials of Construction

- Industry standard



Motors

Vertical, Horizontal & Submersible

Application

- Agriculture & Irrigation
- Commercial/HVAC
- Industrial
- Municipal

Features & Benefits

- Horizontal, Vertical and Submersible
- WPI, TEFC, ODP and Canned style submersibles

Technical Data

- Multiple HP ranges
- 1/2HP – Exceeding 1000HP
- 50hz to 60hz
- Speeds: 514 – 3600RPM

Features & Benefits

- Horizontal, Vertical and Submersible
- WPI, TEFC, ODP and Canned style submersibles

Materials of Construction

- Industry standard



Right Angle Gear Drives

Application

- Agricultural
- Industrial
- Municipal

Features & Benefits

- Cooling coils available
- Non-reverse clutches
- Rigid castings designed to insure correct alignment
- Gears are case hardened alloy steel, lapped in pairs
- Positive pressure oil distribution systems
- Bearings exceed AGMA recommendations

Technical Data

- Amarillo Gear drives rated from 1,000 to over 8,000 HP

Materials of Construction

- Industry standard



A WILO COMPANY

Scot's roots began as a provider to the agricultural industry, primarily for the transferring and spreading of liquid fertilizers. Today, Scot has expanded their expertise to become a specialist in the manufacturing of close-coupled centrifugal pumps for the OEM, HVAC, military and industrial markets. Scot's manufacturing facility in Cedarburg, Wisconsin is in the heartland of some of America's finest automated foundries, where quality castings and gray iron, bronze, stainless steel and aluminum are readily available.

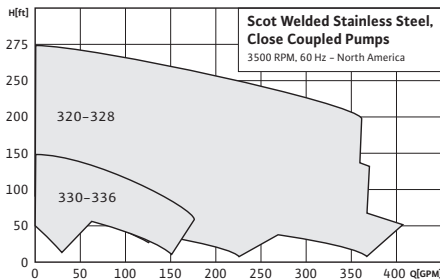
Scot also operates a Marine Division located in Ft. Lauderdale, Florida, which provides all types of non-ferrous pumps and solutions for yachts and commercial vessels.





MotorPump™

Close-Coupled Pumps in Welded Stainless Steel, 3500 RPM



Application

- Irrigation
- Fertilization Transfer
- Bulk Tank Systems
- Potable Water

Max. Flow

400 GPM

Max. Head

275 feet

Features & Benefits

- NSF/ANSI 61 & 372 certified
- Up to 25 HP and 2" Discharge
- Cast Iron Adapter supports seal and prevents flexing of Pump
- Close Coupled Back-Pullout Design
- Centerline Discharge
- Mechanical Seal

Technical Data

- NEMA 60HZ J56, JM Frames
- ODP, TEFC, Explosion Proof Enclosures
- 4.50" – 8.00" Max Impeller
- Temp range 0F to 225°F
- Max working pressure 175 PSI

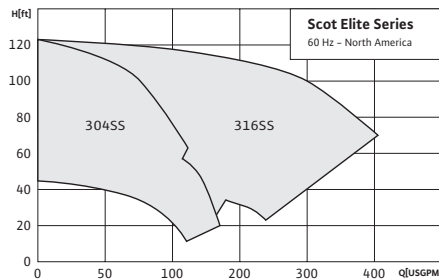
Materials of Construction

- NPT and Flange Connections
- 304 Stainless Steel Casing, Impeller and Seal Plate. Cast Iron Adapter
- Viton Carbon Ceramic Seals standard, Viton SiC/SiC available



MotorPump™ Elite Series

Close-Coupled Pumps in Cast 304/316 Stainless Steel, 3500 RPM



Application

- Irrigation
- Fertilization Transfer
- Bulk Tank Systems

Max. Flow

450 GPM

Max. Head

120 feet

Features & Benefits

- Up to 15 HP and 3" Discharge
- Cast 304 or 316 Stainless Steel Construction
- Close Coupled Back-Pullout Design

Technical Data

- NEMA 60HZ J56, TC Frames
- TEFC, Explosion Proof Enclosures
- 4.50" – 5.5" Max Impeller
- Max working pressure 175 PSI

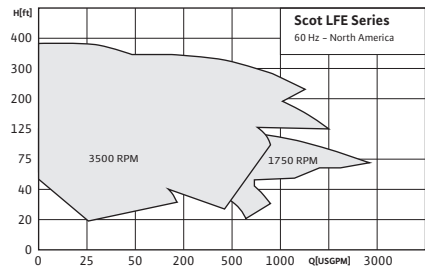
Materials of Construction

- NPT Connections Standard
- 304/316 Stainless Steel Casing and Adapter
- Composite or 304/316 Impellers
- Viton Carbon Ceramic Seal on 304SS models, Viton SiC/SiC on 316SS models



MotorPump™ LFE Series

Cast Iron, Close-Coupled Pumps 1750/3500 RPM



Application

- Irrigation
- Fertilization Transfer
- Bulk Tank Systems

Max. Flow

2,500 GPM

Max. Head

375 feet

Features & Benefits

- Up to 100 HP and 6" Discharge
- Heavy-Duty Cast Iron Construction
- Close Coupled Back-Pullout Design

Technical Data

- NEMA 60HZ J56, JM, JP Frames
- TEFC, Explosion Proof Enclosures
- 4.50" – 11.00" Max Impeller
- Max working pressure 175 PSI

Materials of Construction

- NPT and Flange Connections
- All Cast Iron Construction
- Viton Carbon Ceramic Seal standard
- Viton SiC/SiC Mechanical Seals Optional



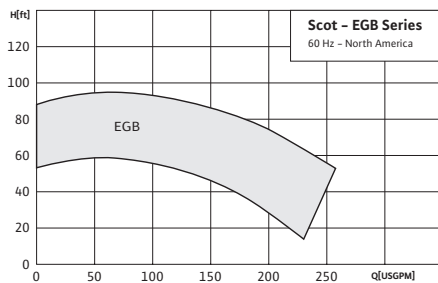
NEW!



NEW!

481 EGB

End Gun Booster Pump



Application

- Center Pivot Irrigation
- End Gun Booster

Max. Flow

300 GPM

Max. Head

85 feet

Features & Benefits

- Elite Efficiency Design
- Stainless Steel Impeller
- Viton Mechanical Seal
- Seal Flush Vent Line

Technical Data

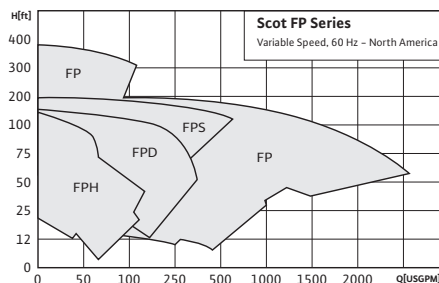
- NEMA 60Hz J56 Frame
- TEFC, IP 56
- Epoxy-Coated Aluminum Motor Housing
- C-Face Motor Drains
- Stainless Steel Fan and Drip Covers

Materials of Construction

- Standard-Fitted Cast Iron Construction
- 2.5" x 2" NPT Suction/Discharge Connections
- Viton Carbon Ceramic Mechanical Seal, other options available

FramePumps™

Models: FPH, FPD, FP, Pressure Seal



Application

- Sprayer Systems
- Bulk Tank Systems
- Fertilizer Transfer

Max. Flow

2500 GPM

Max. Head

400 feet

Features & Benefits

- Heavy-Duty Bearing Frames
- Pressure Seal doubled sealed with 50/50 water glycol solution

Technical Data

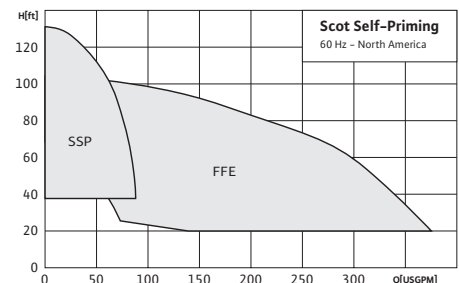
- Drive shafts 5/8" to 1 3/8"
- Pully, PTO, Hydraulic or Clutch

Materials of Construction

- Cast Iron or 316 Stainless Steel
- Viton Carbon Ceramic Mechanical Seal, other options available

MotorPump™, EnginePump™

Self-Priming Design



Application

- Portable Utility
- Fertilizer Transfer
- Irrigation
- Nurse Tank Applications

Max. Flow

400 GPM

Max. Head

140 feet

Features & Benefits

- Self-Priming Design
- EnginePump™ uses Honda® OHC Engines
- Pump kits (less engine) available

Technical Data

- Suction Lift 25'
- NEMA 60Hz J56, JM Frame
- TEFC Motors

Materials of Construction

- Cast Iron or Stainless Steel Construction
- Viton Carbon Ceramic Mechanical Seal



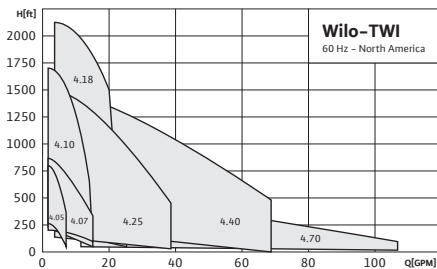
wilo®

Wilo USA LLC is a subsidiary of Wilo SE, headquartered in Dortmund, Germany. The Wilo Group is one of the world's leading premium suppliers of pumps and pump systems for building services, water management and the industrial sector. Wilo employs around 8000 people around the globe today. With innovative solutions, smart products and individual services, we provide the clever, efficient and climate-friendly service of keeping water flowing. We already are the digital pioneer within the industry with our products and solutions, processes and business models. In 2017 Wilo acquired Scot Pump, Weil Pump and component manufacturer Karak Machine Corporation. Wilo acquired Tennessee manufacturer American-Marsh Pumps in 2019.



Wilo-TWI

4" Stainless Steel Submersible Well Pumps



Application

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

Max. Flow

110 GPM

Max. Head

2,200 feet

Features & Benefits

- Motors and pump ends certified to NSF/ANSI 61
- 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 models
- Stainless Steel Construction
- 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

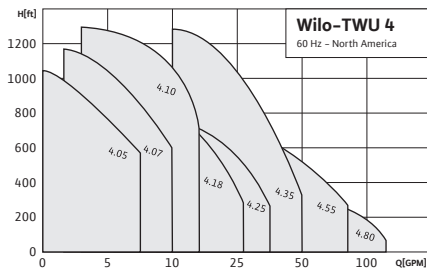
Materials of Construction

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



Wilo-TWU

4" – 6" Stainless Steel Submersible Well Pumps with Noryl Impellers



Application

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

Max. Flow

110 GPM

Max. Head

2,400 feet

Features & Benefits

- Motors certified to NSF/ANSI 61
- 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

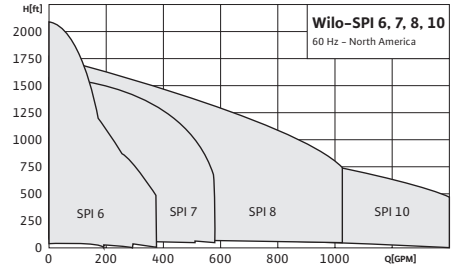
Materials of Construction

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



Wilo-SPI

6" – 10" Stainless Steel Submersible Well Pumps



Application

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

Max. Flow

1,400 GPM

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 models
- Stainless Steel Construction
- 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

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

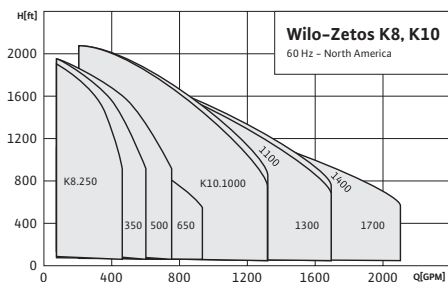


NEW!

BEST IN CLASS
EFFICIENCIES!

Wilo-Zetos K8, K10

Heavy-Duty Cast Stainless Steel
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 GPM

Max. Head

990 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

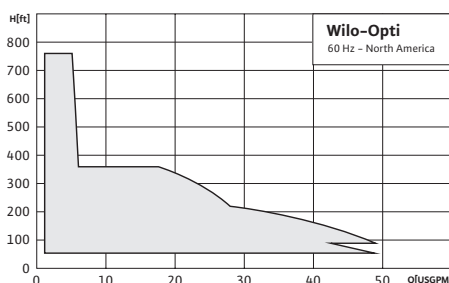
- Ceram Coating available for increased durability
- Corrosion-Resistant Impellers
- Wear-Resistant GI Bushing (depending on type)
- Special Materials Available



NEW!

Wilo Quick Solar, Opti Solar

4" Solar Pumps



Application

- Raw Water intake
- Irrigation
- Agriculture

Max. Flow

48 GPM

Max. Head

750 feet

Features & Benefits

- Integrated inverter
- Sophisticated dynamic MPPT algorithm
- Integrated protection features
- Integrated water level sensor
- External control module (optional)
- AC power cable input
- Remote monitoring and operation

Technical Data

- Operating voltage: 90-340 VDC or 90-265 VAC

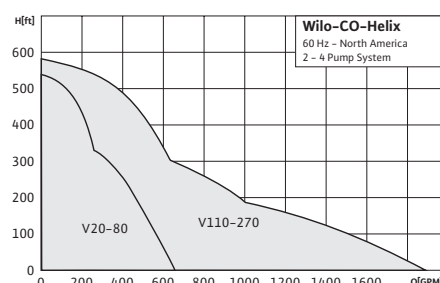
Materials of Construction

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

CLASSIFIED
UL US
WATER QUALITY

CO-Helix

1-4 Pump Booster Systems



Application

- Water Supply
- Pressure Boosting
- Agriculture
- Washing / Sprinkling Systems
- Cooling Circuits
- Condensate Return

Max. Flow

1,900 GPM

Max. Head

600 feet

Features & Benefits

- Real-time diagnostics and remote monitoring
- Full system kWh energy reporting
- Easy to use 7" touchscreen interface
- Onboard MODbus and optional BACnet and LONworks interface
- Variable speed control per pump
- Adjustable low pressure cut-out
- Balanced run time for all pumps

Technical Data

- Certified to NSF/ANSI 372 & 61
- Temp Range 4°F to 248°F (-15°C to 120°C)
- Electrical Connections: 3~208-230/460/575v
- Rated Pressure: 232 PSI or 363 PSI
- Flange Connection: 300 class ANSI
- TEFC motors standard

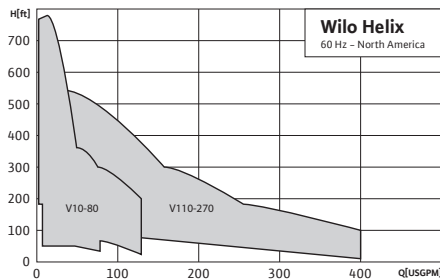
Materials of Construction

- All 304 Stainless Steel Construction
- EPDM/FKM Elastomers
- Mechanical Seal: Tungsten Carbide/EPDM, or optional Viton®/FKM Mechanical Seal



Helix V

Multistage Centrifugal Pumps



Application

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

Max. Flow

1,900 GPM

Max. Head

600 feet

Features & Benefits

- Cartridge seal design for easy serviceability
- 3D Laser welded impellers for improved hydraulic efficiency
- Integrated thrust bearings for reduced motor stress
- Pump lifting lugs
- Heavy-duty pump base

Technical Data

- NEMA Premium Efficiency Motors
- Temp Range: -5°F to 250°F (-20°C to 121°C)
- Electrical Connections: 3~208-230/460/575V
- Flange Connection: 300-class ANSI
- Pressure Range: 232 PSI or 363 PSI

Materials of Construction

- 304 Stainless Steel Construction
- Certified to NSF/ANSI 61
- Stainless Steel Volute, Impeller & Shaft
- Tungsten Carbide/EPDM, or optional Viton®/FKM Mechanical Seal



Wilo Submersible Motors

Sizes from 3" to 16"

4" Standard Submersible Motors

- Certified to NSF / ANSI 61
- 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

4 & 6" Standard Encapsulated Motors

- H.D. Sand Sealing System (3S)
- Dual flange for easy connection
- 5-60 HP
- Available in 3~230/460/575v
- NEMA standard flange
- Durable stainless steel motor housing
- Available 2 or 3 wire connections
- Max Temp: 95°F (35°C)
- IP68 insulation

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

6"-16" NU Rewindable Submersible Motors

- Rewindable motor stator
- Voltages up to 6000v
- High-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 Submersible Accessories

Control Boxes, Variable Frequency Drives, Pump Panels

Control Boxes

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

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



GW-AG-001-0520

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